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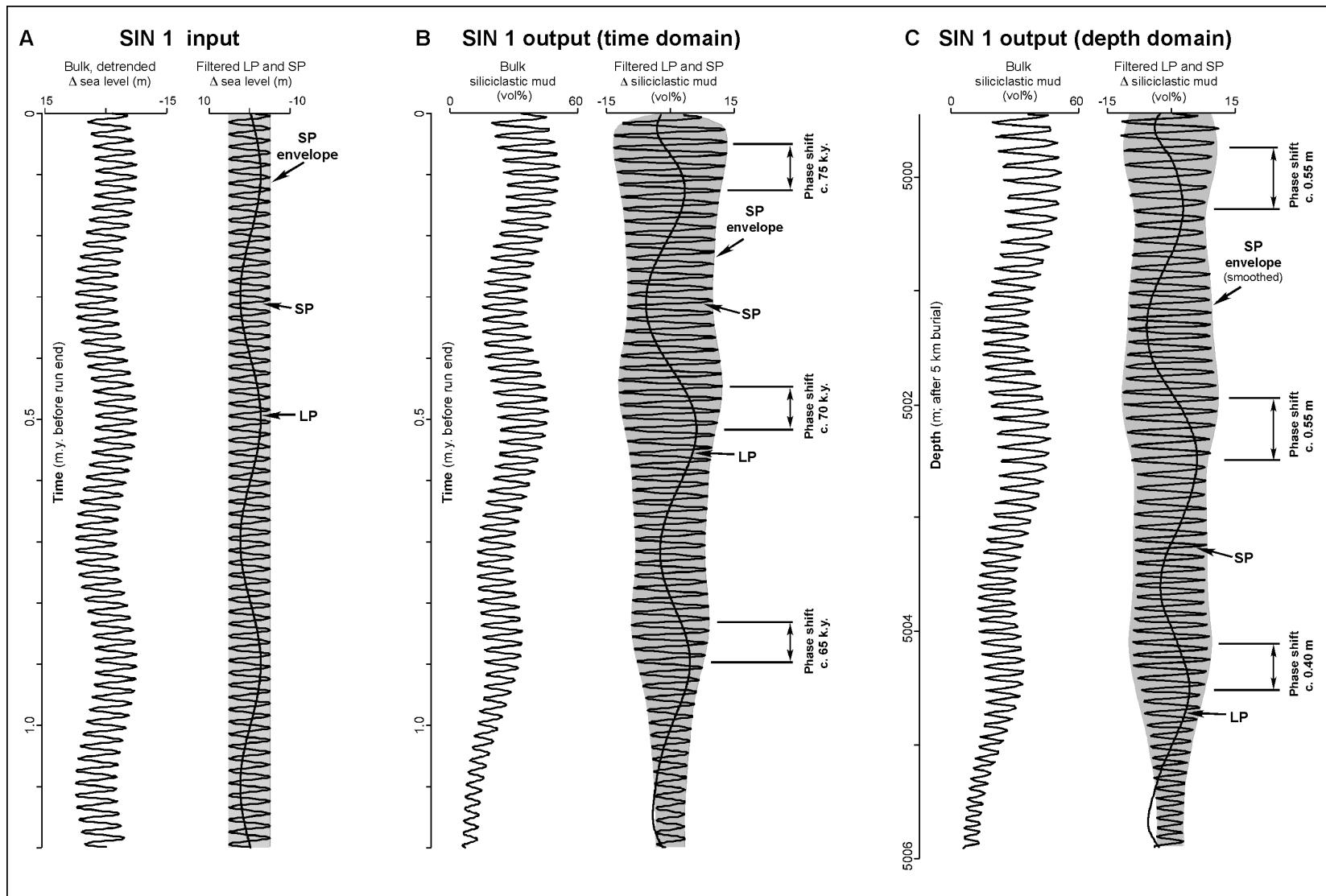


Figure DR1. Input (A), time-domain output (B) and depth-domain output (C) parameters of the SIN 1 model run. The original model output was sampled evenly with respect to time (time step 3.1 k.y.). This implies that the depth-domain sampling interval of the original model output changed with changing sedimentation rates. The maximum vertical resolution of the depth-domain output was 1 cm. The time-domain and depth-domain outputs were resampled at 1 k.y. and 1 cm, respectively, using Analyseries software (Paillard et al., 1996) prior to filtering. The filtered SP and LP signals were obtained from resampled and detrended series by bandpass filtering (Gaussian window) the appropriate

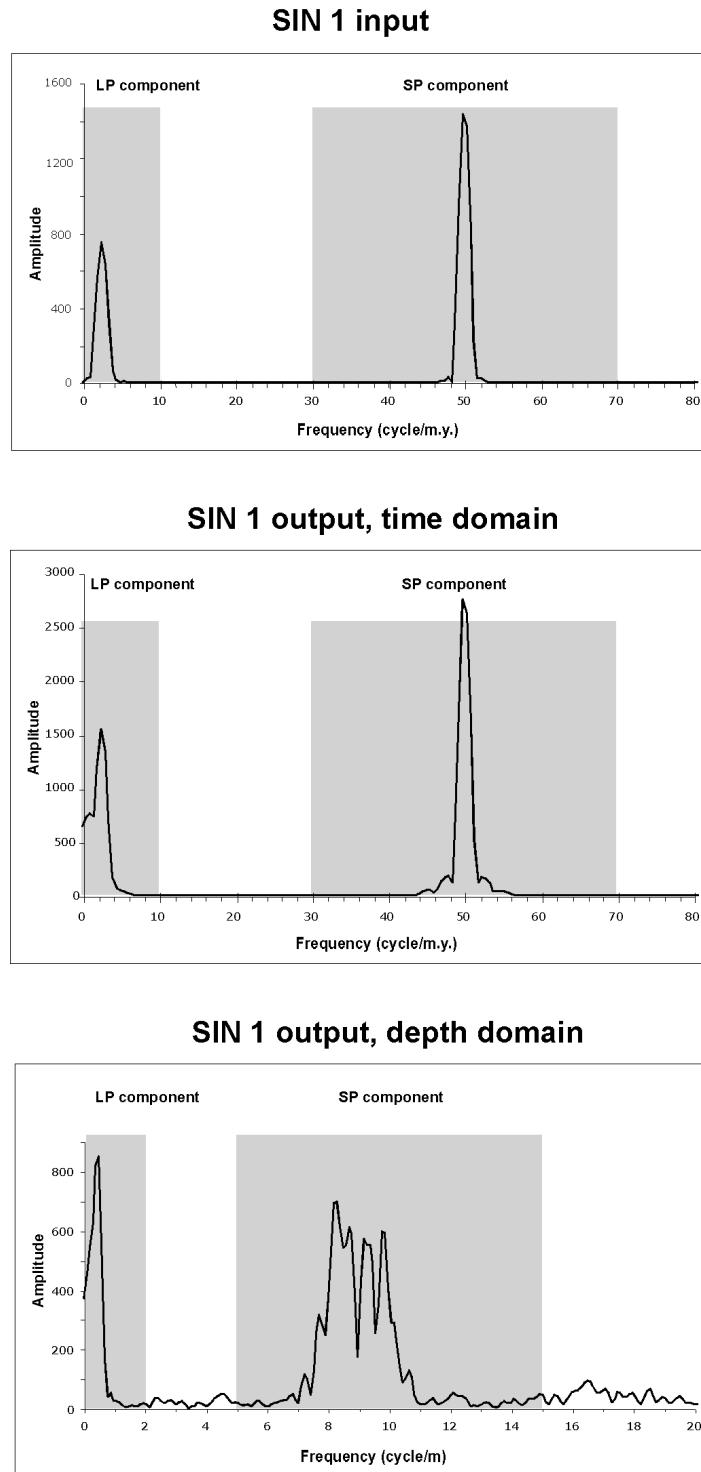
frequency ranges (determined by Fast Fourier Transform; Analyseries software: Paillard et al. 1996; see Fig. DR2)

The differences in amplitudes between time-domain and depth-domain outputs are due to (1) filtering bias in the depth-domain output due to changing sedimentation rates, and (2) sampling bias (if sedimentation rates drop below 1 cm/3.1 k.y., then one depth level of the output signal is assigned two or more values of siliciclastic content; the mean of these values is taken by the Analyseries software upon resampling; this approach mimics sampling bias in real stratigraphic successions, where vertical resolution rarely exceeds 1 cm).

The long-term (m.y.-scale) increase in the amplitude of SP component coincides with a long-term progradation of the siliciclastic deposition system (Fig. DR3), and is therefore interpreted as due to long-term widening of the topset area.

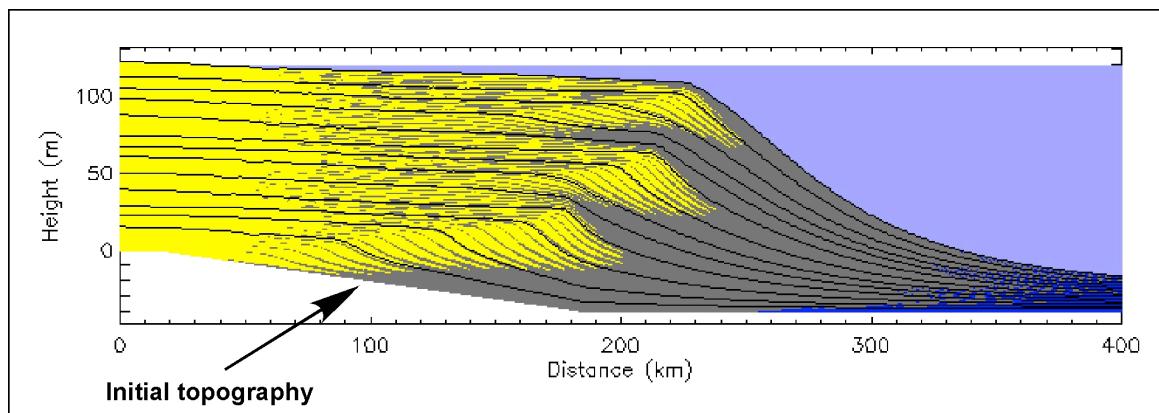
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Figure DR2. Periodograms of SIN 1 model input and output signals. Analyses were performed with Analyseries software (Paillard et al., 1996; Tukey-windowed Fast Fourier Transform). Filtered intervals discussed in the text (SP and LP) are indicated.



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Figure DR3. Example of two-dimensional output of the SedTec2000 program: pre-burial stratigraphy of the depositional system modeled in the SIN 1 model run. Coarse siliciclastics (sand) in yellow, fine siliciclastics (mud) in grey, and pelagic carbonates in blue. Initial topography indicated.



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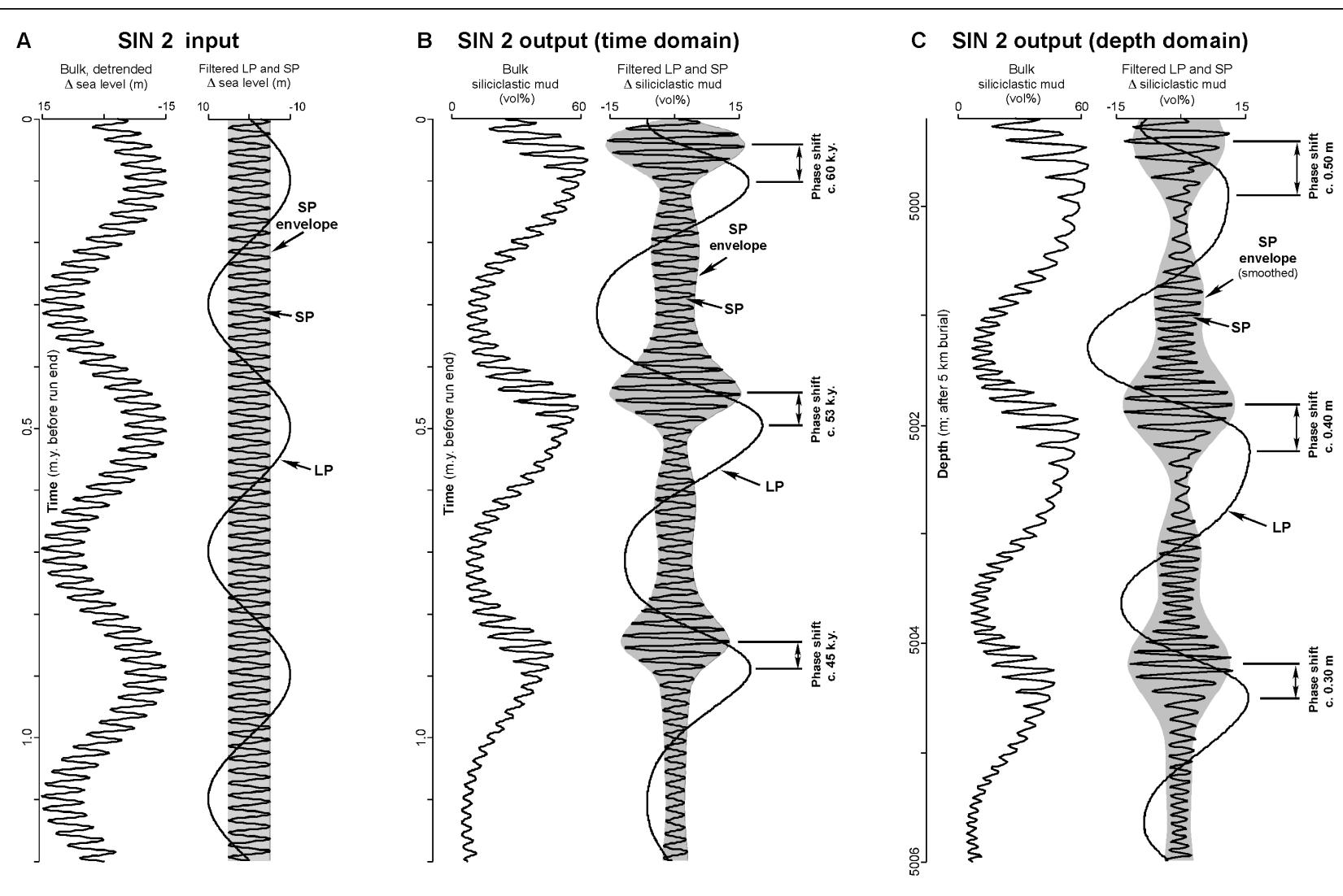


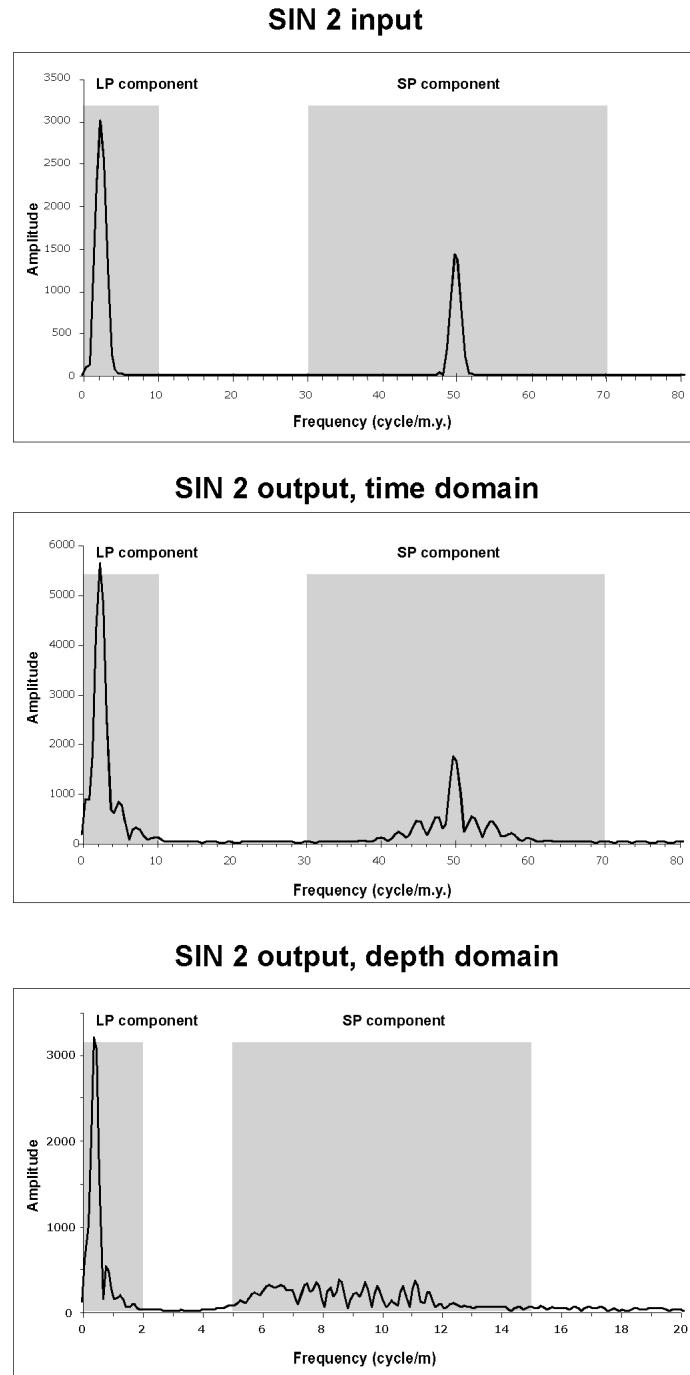
Figure DR4. Input (A), time-domain output (B) and depth-domain output (C) parameters of the SIN 2 model run. The original model output was sampled evenly with respect to time (time step 3.1 k.y.). This implies that the depth-domain sampling interval of the original model output changed with changing sedimentation rates. The maximum vertical resolution of the depth-domain output was 1 cm. The time-domain and depth-domain outputs were resampled at 1 k.y. and 1 cm, respectively, using Analyseries

software (Paillard et al., 1996) prior to filtering. The filtered SP and LP signals were obtained from resampled and detrended series by bandpass filtering (Gaussian window) the appropriate frequency ranges (determined by Fast Fourier Transform; Analyseries software: Paillard et al., 1996; see Fig. DR5)

The differences in amplitudes between time-domain and depth-domain outputs are due to (1) filtering bias in the depth-domain output due to changing sedimentation rates, and (2) sampling bias (if sedimentation rates drop below 1 cm/3.1 k.y., then one depth level of the output signal is assigned two or more values of siliciclastic content; the mean of these values is taken by the Analyseries software upon resampling; this approach mimics sampling bias in real stratigraphic successions, where vertical resolution rarely exceeds 1 cm).

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Figure DR5. Periodograms of SIN 2 model input and output signals. Analyses were performed with Analyseries software (Paillard et al., 1996; Tukey-windowed Fast Fourier Transform). Filtered intervals discussed in the text (SP and LP) are indicated.

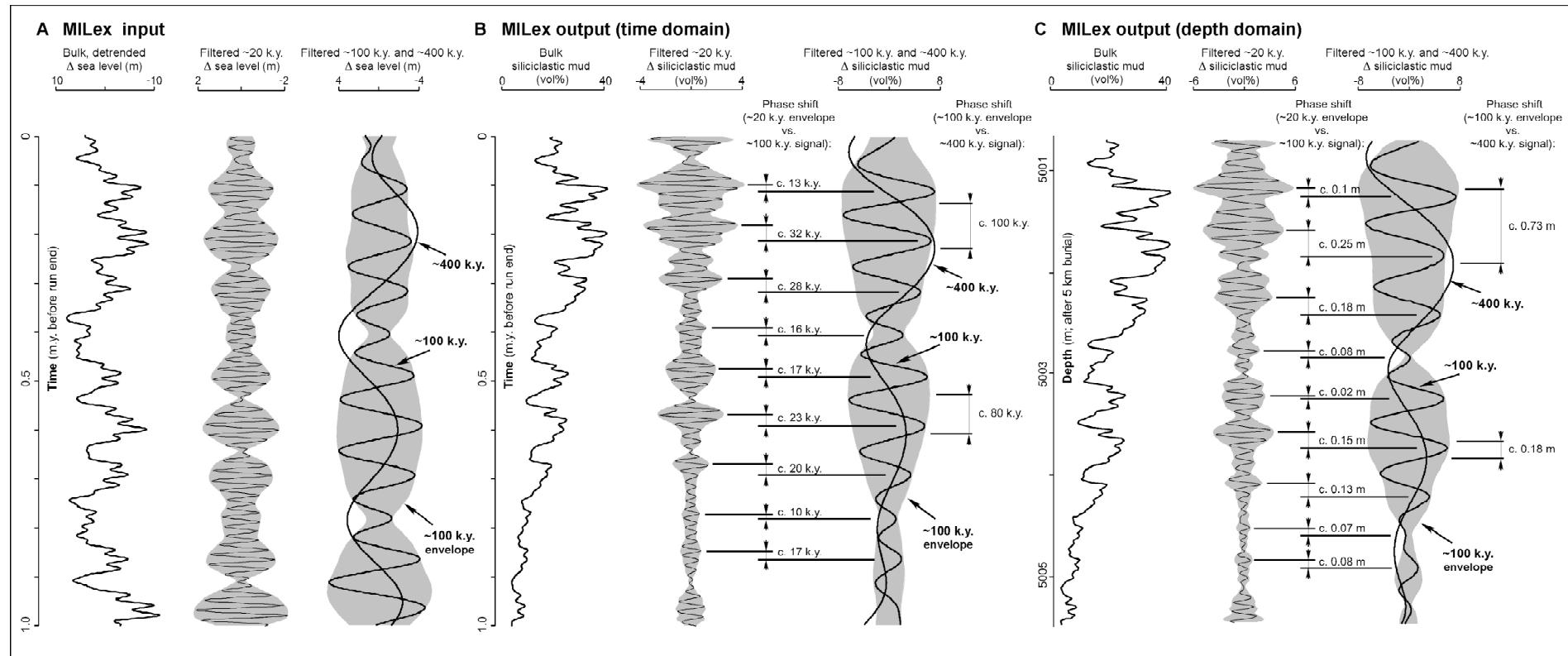


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Figure DR6. Input (A), time-domain output (B) and depth-domain output (C) parameters of the MIlex model run. The original model output was sampled evenly with respect to time (time step 3 k.y.). This implies that the depth-domain sampling interval of the original model output changed with changing sedimentation rates. The maximum vertical resolution of the depth-domain output was 1 cm. The time-domain and depth-domain outputs were resampled at 1 k.y. and 1 cm, respectively, using Analyseries software (Paillard et al., 1996) prior to filtering. The filtered ~20 k.y., ~100 k.y. and ~400 k.y. signals were obtained from resampled and detrended series by bandpass filtering (Gaussian window) the appropriate frequency ranges (determined by Fast Fourier Transform; Analyseries software: Paillard et al., 1996; see Fig. DR7). Obliquity-driven (~40 k.y.) component was included in the input (insolation) series, but is not displayed and discussed separately.

The differences in amplitudes between time-domain and depth-domain outputs are due to (1) filtering bias in the depth-domain output due to changing sedimentation rates, and (2) sampling bias (if sedimentation rates drop below 1 cm/3 k.y., then one depth level of the output signal is assigned two or more values of siliciclastic content; the mean of these values is taken by the Analyseries software upon resampling; this approach mimics sampling bias in real stratigraphic successions, where vertical resolution rarely exceeds 1 cm).

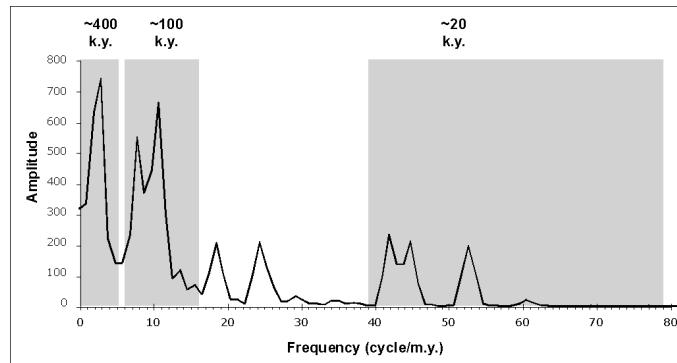
The long-term (m.y.-scale) increase in the amplitudes of ~20 k.y. and ~100 k.y. components coincides with a long-term progradation of the siliciclastic deposition system, and is therefore interpreted as due to long-term widening of the topset area.



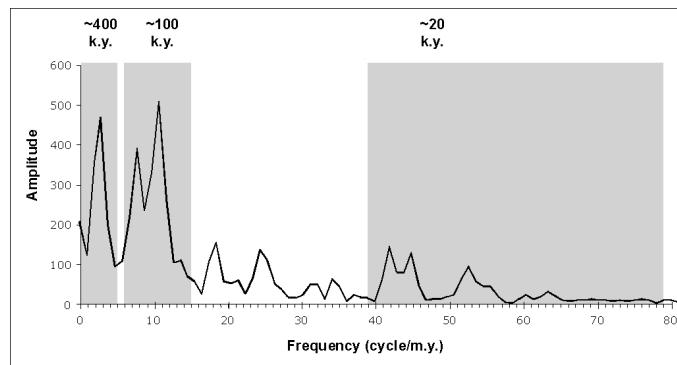
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Figure DR7. Periodograms of MILex model input and output signals. Analyses were performed with Analyseries software (Paillard et al., 1996; Tukey-windowed Fast Fourier Transform). Filtered intervals discussed in the text (~20 k.y., ~100 k.y., and 400 k.y.) are indicated.

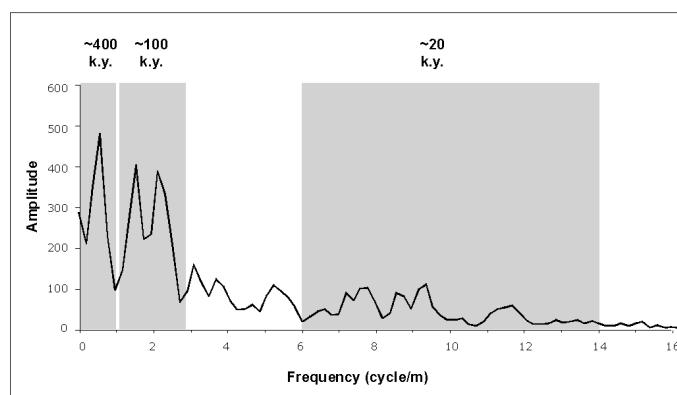
MILex input



MILex output, time domain



MILex output, depth domain



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TABLE DR1. USER-DEFINED PARAMETERS OF SEDTEC2000 MODELS SIN 1, SIN 2, AND MILEX

Parameter	SIN 1	SIN 2	MILEX
Model run duration (m.y.)	1.2	1.2	1.0
Time step (k.y.)	3.1	3.1	3.0
Model width (km)	400	400	400
Spatial sample interval (km)	1.0	1.0	1.0
Initial topography	Fig. DR3	Fig. DR3	Fig. DR3
Sea level history			
elevator subsidence (m/m.y.)	100	100	100
eustasy	Fig. DR1	Fig. DR4	Fig. DR6
Fine siliciclastics			
max. erosion rate (m/k.y.)	0.001	0.001	0.001
flux (m^2/y) *	6	6	6
temporal variation of the flux	none	none	none
transport distance (km)	50	50	50
wave base depth (m)	20	20	20
porosity at sea floor, \square_0 (%) †	70	70	70
compaction depth, Z_c (km) †	2	2	2
Coarse siliciclastics			
max. erosion rate (m/k.y.)	0.001	0.001	0.001
flux (m^2/y) *	12	12	12
temporal variation of the flux	none	none	none
transport distance (km)	10	10	10
wave base depth (m)	3	3	3
porosity at sea floor, \square_0 (%) †	30	30	30
compaction depth, Z_c (km) †	5	5	5
Pelagic carbonate			
max. erosion rate (m/k.y.)	0.001	0.001	0.001
maximum production rate (m/k.y.) *	0.004	0.004	0.004
temporal variation of the max. prod. rate	none	none	none
transport distance (km)	50	50	50
wave base depth (m)	20	20	20
siliciclastic poisoning (m^2/y) §	15	15	15
restriction, distance to the coast (km)	0.1	0.1	0.1
restriction, bathymetry (m)	20	20	20
porosity at sea floor, \square_0 (%) †	50	50	50
compaction depth, Z_c (km) †	3	3	3

*) Sediment flux and production rates are defined for sediment with zero porosity.

†) Sediments are assumed to compact according to an exponential law (Magara 1978)

$$\square = \square_0 \exp(-d/Z_c)$$

where \square is porosity, d is depth of burial beneath the sea floor, \square_0 is porosity at sea floor, and Z_c is compaction depth (Boylan et al., 2002). The model runs presented here assume 5 km burial. Each sediment type has its own compaction depth and porosity at sea floor (see above).

§) Sensitivity of pelagic production to siliciclastic poisoning is turned off (to explicitly isolate first-order signal distortions related to changes in siliciclastic flux) by using siliciclastic-flux threshold higher than the input fine-siliciclastic flux (15 m^2/y and 6 m^2/y , respectively).

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TABLE DR2. INPUT SIGNAL OF MODEL RUN SIN 1

Time (m.y. before run end)	LP eustatic component (m)	SP eustatic component (m)	Demodulated SP component (m)	Linear trend ~subsidence (m)	Bulk with trend (m)	Bulk detrended (m)
0	-0.008	0.000	5.000	120.00	120.000	0.000
0.001	-0.047	-1.545	5.000	119.90	118.316	-1.584
0.002	-0.086	-2.939	5.000	119.80	116.783	-3.017
0.003	-0.126	-4.045	5.000	119.70	115.537	-4.163
0.004	-0.165	-4.755	5.000	119.60	114.688	-4.912
0.005	-0.204	-5.000	5.000	119.50	114.304	-5.196
0.006	-0.243	-4.755	5.000	119.40	114.409	-4.991
0.007	-0.282	-4.045	5.000	119.30	114.981	-4.319
0.008	-0.321	-2.939	5.000	119.20	115.948	-3.252
0.009	-0.360	-1.545	5.000	119.10	117.203	-1.897
0.01	-0.399	0.000	5.000	119.00	118.609	-0.391
0.011	-0.437	1.545	5.000	118.90	120.015	1.115
0.012	-0.476	2.939	5.000	118.80	121.271	2.471
0.013	-0.515	4.045	5.000	118.70	122.238	3.538
0.014	-0.553	4.755	5.000	118.60	122.810	4.210
0.015	-0.591	5.000	5.000	118.50	122.916	4.416
0.016	-0.629	4.755	5.000	118.40	122.534	4.134
0.017	-0.667	4.045	5.000	118.30	121.685	3.385
0.018	-0.705	2.939	5.000	118.20	120.441	2.241
0.019	-0.742	1.545	5.000	118.10	118.910	0.810
0.02	-0.780	0.000	5.000	118.00	117.227	-0.773
0.021	-0.817	-1.545	5.000	117.90	115.545	-2.355
0.022	-0.854	-2.939	5.000	117.80	114.014	-3.786
0.023	-0.891	-4.045	5.000	117.70	112.771	-4.929
0.024	-0.927	-4.755	5.000	117.60	111.924	-5.676
0.025	-0.964	-5.000	5.000	117.50	111.543	-5.957
0.026	-1.000	-4.755	5.000	117.40	111.652	-5.748
0.027	-1.036	-4.045	5.000	117.30	112.226	-5.074
0.028	-1.071	-2.939	5.000	117.20	113.197	-4.003
0.029	-1.107	-1.545	5.000	117.10	114.455	-2.645
0.03	-1.142	0.000	5.000	117.00	115.865	-1.135
0.031	-1.177	1.545	5.000	116.90	117.275	0.375
0.032	-1.211	2.939	5.000	116.80	118.535	1.735
0.033	-1.245	4.045	5.000	116.70	119.506	2.807
0.034	-1.279	4.755	5.000	116.60	120.083	3.483
0.035	-1.313	5.000	5.000	116.50	120.194	3.694
0.036	-1.346	4.755	5.000	116.40	119.816	3.416
0.037	-1.379	4.045	5.000	116.30	118.972	2.672
0.038	-1.411	2.939	5.000	116.20	117.733	1.533
0.039	-1.444	1.545	5.000	116.10	116.208	0.108
0.04	-1.476	0.000	5.000	116.00	114.531	-1.469
0.041	-1.507	-1.545	5.000	115.90	112.854	-3.046
0.042	-1.538	-2.939	5.000	115.80	111.329	-4.471
0.043	-1.569	-4.045	5.000	115.70	110.092	-5.608
0.044	-1.599	-4.755	5.000	115.60	109.251	-6.349
0.045	-1.629	-5.000	5.000	115.50	108.876	-6.624
0.046	-1.659	-4.755	5.000	115.40	108.991	-6.409
0.047	-1.688	-4.045	5.000	115.30	109.572	-5.728
0.048	-1.717	-2.939	5.000	115.20	110.550	-4.650
0.049	-1.745	-1.545	5.000	115.10	111.815	-3.285
0.05	-1.773	0.000	5.000	115.00	113.232	-1.768
0.051	-1.801	1.545	5.000	114.90	114.650	-0.250
0.052	-1.828	2.939	5.000	114.80	115.917	1.117
0.053	-1.854	4.045	5.000	114.70	116.896	2.196
0.054	-1.880	4.755	5.000	114.60	117.480	2.880

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0.055	-1.906	5.000	5.000	114.50	117.599	3.099
0.056	-1.931	4.755	5.000	114.40	117.229	2.829
0.057	-1.956	4.045	5.000	114.30	116.394	2.094
0.058	-1.980	2.939	5.000	114.20	115.163	0.963
0.059	-2.004	1.545	5.000	114.10	113.646	-0.454
0.06	-2.027	0.000	5.000	114.00	111.977	-2.023
0.061	-2.050	-1.545	5.000	113.90	110.309	-3.591
0.062	-2.072	-2.939	5.000	113.80	108.793	-5.007
0.063	-2.094	-4.045	5.000	113.70	107.565	-6.135
0.064	-2.115	-4.755	5.000	113.60	106.734	-6.866
0.065	-2.135	-5.000	5.000	113.50	106.368	-7.132
0.066	-2.156	-4.755	5.000	113.40	106.493	-6.907
0.067	-2.175	-4.045	5.000	113.30	107.083	-6.217
0.068	-2.194	-2.939	5.000	113.20	108.070	-5.130
0.069	-2.213	-1.545	5.000	113.10	109.345	-3.755
0.07	-2.231	0.000	5.000	113.00	110.772	-2.228
0.071	-2.248	1.545	5.000	112.90	112.200	-0.700
0.072	-2.265	2.939	5.000	112.80	113.477	0.677
0.073	-2.282	4.045	5.000	112.70	114.467	1.767
0.074	-2.297	4.755	5.000	112.60	115.061	2.461
0.075	-2.313	5.000	5.000	112.50	115.190	2.690
0.076	-2.327	4.755	5.000	112.40	114.831	2.431
0.077	-2.341	4.045	5.000	112.30	114.007	1.707
0.078	-2.355	2.939	5.000	112.20	112.787	0.587
0.079	-2.368	1.545	5.000	112.10	111.280	-0.820
0.08	-2.380	0.000	5.000	112.00	109.622	-2.378
0.081	-2.392	-1.545	5.000	111.90	107.965	-3.935
0.082	-2.403	-2.939	5.000	111.80	106.460	-5.340
0.083	-2.413	-4.045	5.000	111.70	105.243	-6.457
0.084	-2.423	-4.755	5.000	111.60	104.423	-7.177
0.085	-2.433	-5.000	5.000	111.50	104.069	-7.431
0.086	-2.441	-4.755	5.000	111.40	104.205	-7.195
0.087	-2.450	-4.045	5.000	111.30	104.807	-6.493
0.088	-2.457	-2.939	5.000	111.20	105.805	-5.395
0.089	-2.464	-1.545	5.000	111.10	107.092	-4.008
0.09	-2.470	0.000	5.000	111.00	108.531	-2.469
0.091	-2.476	1.545	5.000	110.90	109.970	-0.930
0.092	-2.481	2.939	5.000	110.80	111.259	0.459
0.093	-2.486	4.045	5.000	110.70	112.260	1.560
0.094	-2.490	4.755	5.000	110.60	112.866	2.266
0.095	-2.493	5.000	5.000	110.50	113.008	2.508
0.096	-2.496	4.755	5.000	110.40	112.660	2.260
0.097	-2.498	4.045	5.000	110.30	111.848	1.548
0.098	-2.499	2.939	5.000	110.20	110.640	0.440
0.099	-2.500	1.545	5.000	110.10	109.145	-0.955
0.1	-2.500	0.000	5.000	110.00	107.500	-2.500
0.101	-2.500	-1.545	5.000	109.90	105.855	-4.045
0.102	-2.499	-2.939	5.000	109.80	104.362	-5.438
0.103	-2.497	-4.045	5.000	109.70	103.158	-6.542
0.104	-2.495	-4.755	5.000	109.60	102.350	-7.250
0.105	-2.492	-5.000	5.000	109.50	102.008	-7.492
0.106	-2.488	-4.755	5.000	109.40	102.156	-7.244
0.107	-2.484	-4.045	5.000	109.30	102.770	-6.530
0.108	-2.479	-2.939	5.000	109.20	103.781	-5.419
0.109	-2.474	-1.545	5.000	109.10	105.080	-4.020
0.11	-2.468	0.000	5.000	109.00	106.531	-2.469
0.111	-2.462	1.545	5.000	108.90	107.982	-0.918
0.112	-2.454	2.939	5.000	108.80	109.283	0.483
0.113	-2.447	4.045	5.000	108.70	110.297	1.597
0.114	-2.438	4.755	5.000	108.60	110.916	2.316
0.115	-2.429	5.000	5.000	108.50	111.069	2.569
0.116	-2.420	4.755	5.000	108.40	110.734	2.334
0.117	-2.410	4.045	5.000	108.30	109.934	1.634
0.118	-2.399	2.939	5.000	108.20	108.738	0.538

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0.119	-2.387	1.545	5.000	108.10	107.256	-0.844
0.12	-2.375	0.000	5.000	108.00	105.622	-2.378
0.121	-2.363	-1.545	5.000	107.90	103.990	-3.910
0.122	-2.350	-2.939	5.000	107.80	102.509	-5.291
0.123	-2.336	-4.045	5.000	107.70	101.316	-6.384
0.124	-2.322	-4.755	5.000	107.60	100.520	-7.080
0.125	-2.307	-5.000	5.000	107.50	100.190	-7.310
0.126	-2.292	-4.755	5.000	107.40	100.350	-7.050
0.127	-2.276	-4.045	5.000	107.30	100.976	-6.324
0.128	-2.259	-2.939	5.000	107.20	101.999	-5.201
0.129	-2.242	-1.545	5.000	107.10	103.310	-3.790
0.13	-2.224	0.000	5.000	107.00	104.773	-2.227
0.131	-2.206	1.545	5.000	106.90	106.236	-0.664
0.132	-2.187	2.939	5.000	106.80	107.548	0.748
0.133	-2.168	4.045	5.000	106.70	108.574	1.874
0.134	-2.148	4.755	5.000	106.60	109.203	2.603
0.135	-2.128	5.000	5.000	106.50	109.368	2.868
0.136	-2.107	4.755	5.000	106.40	109.044	2.644
0.137	-2.086	4.045	5.000	106.30	108.255	1.955
0.138	-2.064	2.939	5.000	106.20	107.071	0.871
0.139	-2.041	1.545	5.000	106.10	105.600	-0.500
0.14	-2.018	0.000	5.000	106.00	103.977	-2.023
0.141	-1.995	-1.545	5.000	105.90	102.356	-3.544
0.142	-1.971	-2.939	5.000	105.80	100.886	-4.914
0.143	-1.947	-4.045	5.000	105.70	99.704	-5.996
0.144	-1.922	-4.755	5.000	105.60	98.918	-6.682
0.145	-1.897	-5.000	5.000	105.50	98.599	-6.901
0.146	-1.871	-4.755	5.000	105.40	98.770	-6.631
0.147	-1.844	-4.045	5.000	105.30	99.406	-5.894
0.148	-1.818	-2.939	5.000	105.20	100.439	-4.761
0.149	-1.791	-1.545	5.000	105.10	101.760	-3.340
0.15	-1.763	0.000	5.000	105.00	103.232	-1.768
0.151	-1.735	1.545	5.000	104.90	104.705	-0.195
0.152	-1.706	2.939	5.000	104.80	106.028	1.228
0.153	-1.677	4.045	5.000	104.70	107.063	2.363
0.154	-1.648	4.755	5.000	104.60	107.702	3.102
0.155	-1.618	5.000	5.000	104.50	107.876	3.376
0.156	-1.588	4.755	5.000	104.40	107.562	3.162
0.157	-1.558	4.045	5.000	104.30	106.782	2.482
0.158	-1.527	2.939	5.000	104.20	105.607	1.407
0.159	-1.496	1.545	5.000	104.10	104.144	0.044
0.16	-1.464	0.000	5.000	104.00	102.530	-1.470
0.161	-1.432	-1.545	5.000	103.90	100.917	-2.983
0.162	-1.400	-2.939	5.000	103.80	99.456	-4.344
0.163	-1.367	-4.045	5.000	103.70	98.282	-5.418
0.164	-1.334	-4.755	5.000	103.60	97.505	-6.095
0.165	-1.300	-5.000	5.000	103.50	97.194	-6.306
0.166	-1.267	-4.755	5.000	103.40	97.372	-6.028
0.167	-1.233	-4.045	5.000	103.30	98.016	-5.284
0.168	-1.198	-2.939	5.000	103.20	99.057	-4.143
0.169	-1.164	-1.545	5.000	103.10	100.385	-2.715
0.17	-1.129	0.000	5.000	103.00	101.865	-1.135
0.171	-1.094	1.545	5.000	102.90	103.345	0.445
0.172	-1.058	2.939	5.000	102.80	104.674	1.874
0.173	-1.023	4.045	5.000	102.70	105.716	3.016
0.174	-0.987	4.755	5.000	102.60	106.362	3.762
0.175	-0.951	5.000	5.000	102.50	106.543	4.043
0.176	-0.914	4.755	5.000	102.40	106.235	3.835
0.177	-0.877	4.045	5.000	102.30	105.461	3.161
0.178	-0.841	2.939	5.000	102.20	104.292	2.092
0.179	-0.803	1.545	5.000	102.10	102.835	0.735
0.18	-0.766	0.000	5.000	102.00	101.227	-0.773
0.181	-0.729	-1.545	5.000	101.90	99.620	-2.280
0.182	-0.691	-2.939	5.000	101.80	98.164	-3.636

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0.183	-0.653	-4.045	5.000	101.70	96.995	-4.705
0.184	-0.615	-4.755	5.000	101.60	96.223	-5.377
0.185	-0.577	-5.000	5.000	101.50	95.916	-5.584
0.186	-0.539	-4.755	5.000	101.40	96.099	-5.301
0.187	-0.500	-4.045	5.000	101.30	96.748	-4.552
0.188	-0.462	-2.939	5.000	101.20	97.793	-3.407
0.189	-0.423	-1.545	5.000	101.10	99.125	-1.975
0.19	-0.385	0.000	5.000	101.00	100.609	-0.391
0.191	-0.346	1.545	5.000	100.90	102.093	1.193
0.192	-0.307	2.939	5.000	100.80	103.426	2.626
0.193	-0.268	4.045	5.000	100.70	104.471	3.771
0.194	-0.229	4.755	5.000	100.60	105.120	4.520
0.195	-0.190	5.000	5.000	100.50	105.304	4.804
0.196	-0.150	4.755	5.000	100.40	104.998	4.598
0.197	-0.111	4.045	5.000	100.30	104.227	3.927
0.198	-0.072	2.939	5.000	100.20	103.060	2.860
0.199	-0.033	1.545	5.000	100.10	101.606	1.506
0.2	0.007	0.000	5.000	100.00	100.000	0.000
0.201	0.046	-1.545	5.000	99.90	98.394	-1.506
0.202	0.085	-2.939	5.000	99.80	96.940	-2.860
0.203	0.124	-4.045	5.000	99.70	95.773	-3.927
0.204	0.163	-4.755	5.000	99.60	95.002	-4.598
0.205	0.203	-5.000	5.000	99.50	94.696	-4.804
0.206	0.242	-4.755	5.000	99.40	94.880	-4.520
0.207	0.281	-4.045	5.000	99.30	95.529	-3.771
0.208	0.320	-2.939	5.000	99.20	96.575	-2.625
0.209	0.359	-1.545	5.000	99.10	97.907	-1.193
0.21	0.397	0.000	5.000	99.00	99.391	0.391
0.211	0.436	1.545	5.000	98.90	100.875	1.975
0.212	0.475	2.939	5.000	98.80	102.208	3.408
0.213	0.513	4.045	5.000	98.70	103.252	4.552
0.214	0.552	4.755	5.000	98.60	103.901	5.301
0.215	0.590	5.000	5.000	98.50	104.084	5.584
0.216	0.628	4.755	5.000	98.40	103.777	5.377
0.217	0.666	4.045	5.000	98.30	103.005	4.705
0.218	0.704	2.939	5.000	98.20	101.836	3.636
0.219	0.741	1.545	5.000	98.10	100.380	2.280
0.22	0.779	0.000	5.000	98.00	98.773	0.772
0.221	0.816	-1.545	5.000	97.90	97.165	-0.735
0.222	0.853	-2.939	5.000	97.80	95.708	-2.092
0.223	0.890	-4.045	5.000	97.70	94.539	-3.161
0.224	0.926	-4.755	5.000	97.60	93.765	-3.835
0.225	0.963	-5.000	5.000	97.50	93.457	-4.043
0.226	0.999	-4.755	5.000	97.40	93.638	-3.762
0.227	1.035	-4.045	5.000	97.30	94.284	-3.016
0.228	1.070	-2.939	5.000	97.20	95.326	-1.874
0.229	1.106	-1.545	5.000	97.10	96.655	-0.445
0.23	1.141	0.000	5.000	97.00	98.135	1.135
0.231	1.175	1.545	5.000	96.90	99.615	2.715
0.232	1.210	2.939	5.000	96.80	100.943	4.143
0.233	1.244	4.045	5.000	96.70	101.984	5.284
0.234	1.278	4.755	5.000	96.60	102.628	6.028
0.235	1.312	5.000	5.000	96.50	102.806	6.306
0.236	1.345	4.755	5.000	96.40	102.495	6.095
0.237	1.378	4.045	5.000	96.30	101.718	5.418
0.238	1.410	2.939	5.000	96.20	100.544	4.344
0.239	1.443	1.545	5.000	96.10	99.083	2.983
0.24	1.475	0.000	5.000	96.00	97.469	1.469
0.241	1.506	-1.545	5.000	95.90	95.856	-0.044
0.242	1.537	-2.939	5.000	95.80	94.393	-1.407
0.243	1.568	-4.045	5.000	95.70	93.218	-2.482
0.244	1.598	-4.755	5.000	95.60	92.438	-3.162
0.245	1.628	-5.000	5.000	95.50	92.124	-3.376
0.246	1.658	-4.755	5.000	95.40	92.298	-3.102

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0.247	1.687	-4.045	5.000	95.30	92.938	-2.363
0.248	1.716	-2.939	5.000	95.20	93.973	-1.227
0.249	1.744	-1.545	5.000	95.10	95.295	0.195
0.25	1.772	0.000	5.000	95.00	96.768	1.768
0.251	1.800	1.545	5.000	94.90	98.240	3.340
0.252	1.827	2.939	5.000	94.80	99.561	4.761
0.253	1.853	4.045	5.000	94.70	100.594	5.894
0.254	1.879	4.755	5.000	94.60	101.231	6.631
0.255	1.905	5.000	5.000	94.50	101.401	6.901
0.256	1.930	4.755	5.000	94.40	101.082	6.682
0.257	1.955	4.045	5.000	94.30	100.296	5.996
0.258	1.979	2.939	5.000	94.20	99.114	4.914
0.259	2.003	1.545	5.000	94.10	97.644	3.544
0.26	2.026	0.000	5.000	94.00	96.023	2.022
0.261	2.049	-1.545	5.000	93.90	94.400	0.500
0.262	2.071	-2.939	5.000	93.80	92.929	-0.871
0.263	2.093	-4.045	5.000	93.70	91.744	-1.956
0.264	2.114	-4.755	5.000	93.60	90.956	-2.644
0.265	2.135	-5.000	5.000	93.50	90.632	-2.868
0.266	2.155	-4.755	5.000	93.40	90.797	-2.603
0.267	2.175	-4.045	5.000	93.30	91.427	-1.873
0.268	2.194	-2.939	5.000	93.20	92.452	-0.748
0.269	2.212	-1.545	5.000	93.10	93.764	0.664
0.27	2.230	0.000	5.000	93.00	95.228	2.228
0.271	2.248	1.545	5.000	92.90	96.690	3.790
0.272	2.265	2.939	5.000	92.80	98.001	5.201
0.273	2.281	4.045	5.000	92.70	99.024	6.324
0.274	2.297	4.755	5.000	92.60	99.650	7.050
0.275	2.312	5.000	5.000	92.50	99.810	7.310
0.276	2.327	4.755	5.000	92.40	99.480	7.080
0.277	2.341	4.045	5.000	92.30	98.684	6.384
0.278	2.354	2.939	5.000	92.20	97.491	5.291
0.279	2.367	1.545	5.000	92.10	96.010	3.910
0.28	2.380	0.000	5.000	92.00	94.378	2.378
0.281	2.391	-1.545	5.000	91.90	92.744	0.844
0.282	2.402	-2.939	5.000	91.80	91.262	-0.538
0.283	2.413	-4.045	5.000	91.70	90.066	-1.634
0.284	2.423	-4.755	5.000	91.60	89.266	-2.334
0.285	2.432	-5.000	5.000	91.50	88.931	-2.569
0.286	2.441	-4.755	5.000	91.40	89.085	-2.315
0.287	2.449	-4.045	5.000	91.30	89.703	-1.597
0.288	2.457	-2.939	5.000	91.20	90.717	-0.483
0.289	2.464	-1.545	5.000	91.10	92.018	0.918
0.29	2.470	0.000	5.000	91.00	93.469	2.469
0.291	2.476	1.545	5.000	90.90	94.920	4.020
0.292	2.481	2.939	5.000	90.80	96.219	5.419
0.293	2.486	4.045	5.000	90.70	97.230	6.530
0.294	2.489	4.755	5.000	90.60	97.844	7.244
0.295	2.493	5.000	5.000	90.50	97.992	7.492
0.296	2.495	4.755	5.000	90.40	97.650	7.250
0.297	2.497	4.045	5.000	90.30	96.842	6.542
0.298	2.499	2.939	5.000	90.20	95.638	5.438
0.299	2.500	1.545	5.000	90.10	94.145	4.045
0.3	2.500	0.000	5.000	90.00	92.500	2.500
0.301	2.500	-1.545	5.000	89.90	90.855	0.955
0.302	2.499	-2.939	5.000	89.80	89.360	-0.440
0.303	2.497	-4.045	5.000	89.70	88.152	-1.548
0.304	2.495	-4.755	5.000	89.60	87.340	-2.260
0.305	2.492	-5.000	5.000	89.50	86.992	-2.508
0.306	2.488	-4.755	5.000	89.40	87.134	-2.266
0.307	2.484	-4.045	5.000	89.30	87.740	-1.560
0.308	2.480	-2.939	5.000	89.20	88.741	-0.459
0.309	2.474	-1.545	5.000	89.10	90.030	0.930
0.31	2.468	0.000	5.000	89.00	91.469	2.469

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0.311	2.462	1.545	5.000	88.90	92.908	4.008
0.312	2.455	2.939	5.000	88.80	94.195	5.395
0.313	2.447	4.045	5.000	88.70	95.193	6.493
0.314	2.439	4.755	5.000	88.60	95.795	7.195
0.315	2.430	5.000	5.000	88.50	95.931	7.431
0.316	2.420	4.755	5.000	88.40	95.577	7.177
0.317	2.410	4.045	5.000	88.30	94.756	6.456
0.318	2.399	2.939	5.000	88.20	93.540	5.340
0.319	2.388	1.545	5.000	88.10	92.035	3.934
0.32	2.376	0.000	5.000	88.00	90.377	2.377
0.321	2.363	-1.545	5.000	87.90	88.720	0.820
0.322	2.350	-2.939	5.000	87.80	87.213	-0.587
0.323	2.337	-4.045	5.000	87.70	85.994	-1.706
0.324	2.322	-4.755	5.000	87.60	85.169	-2.431
0.325	2.308	-5.000	5.000	87.50	84.810	-2.690
0.326	2.292	-4.755	5.000	87.40	84.939	-2.461
0.327	2.276	-4.045	5.000	87.30	85.534	-1.767
0.328	2.260	-2.939	5.000	87.20	86.523	-0.677
0.329	2.243	-1.545	5.000	87.10	87.800	0.700
0.33	2.225	0.000	5.000	87.00	89.228	2.228
0.331	2.207	1.545	5.000	86.90	90.655	3.755
0.332	2.188	2.939	5.000	86.80	91.930	5.130
0.333	2.169	4.045	5.000	86.70	92.917	6.217
0.334	2.149	4.755	5.000	86.60	93.507	6.907
0.335	2.129	5.000	5.000	86.50	93.632	7.132
0.336	2.108	4.755	5.000	86.40	93.266	6.866
0.337	2.086	4.045	5.000	86.30	92.435	6.135
0.338	2.065	2.939	5.000	86.20	91.207	5.007
0.339	2.042	1.545	5.000	86.10	89.690	3.590
0.34	2.019	0.000	5.000	86.00	88.023	2.023
0.341	1.996	-1.545	5.000	85.90	86.354	0.454
0.342	1.972	-2.939	5.000	85.80	84.836	-0.964
0.343	1.948	-4.045	5.000	85.70	83.606	-2.094
0.344	1.923	-4.755	5.000	85.60	82.771	-2.829
0.345	1.897	-5.000	5.000	85.50	82.401	-3.099
0.346	1.872	-4.755	5.000	85.40	82.520	-2.880
0.347	1.845	-4.045	5.000	85.30	83.104	-2.196
0.348	1.819	-2.939	5.000	85.20	84.084	-1.117
0.349	1.791	-1.545	5.000	85.10	85.350	0.250
0.35	1.764	0.000	5.000	85.00	86.768	1.768
0.351	1.736	1.545	5.000	84.90	88.185	3.285
0.352	1.707	2.939	5.000	84.80	89.450	4.650
0.353	1.678	4.045	5.000	84.70	90.428	5.728
0.354	1.649	4.755	5.000	84.60	91.009	6.409
0.355	1.619	5.000	5.000	84.50	91.124	6.624
0.356	1.589	4.755	5.000	84.40	90.749	6.349
0.357	1.559	4.045	5.000	84.30	89.908	5.608
0.358	1.528	2.939	5.000	84.20	88.671	4.471
0.359	1.497	1.545	5.000	84.10	87.146	3.046
0.36	1.465	0.000	5.000	84.00	85.469	1.469
0.361	1.433	-1.545	5.000	83.90	83.792	-0.108
0.362	1.401	-2.939	5.000	83.80	82.266	-1.534
0.363	1.368	-4.045	5.000	83.70	81.028	-2.672
0.364	1.335	-4.755	5.000	83.60	80.184	-3.416
0.365	1.302	-5.000	5.000	83.50	79.806	-3.694
0.366	1.268	-4.755	5.000	83.40	79.917	-3.483
0.367	1.234	-4.045	5.000	83.30	80.494	-2.806
0.368	1.200	-2.939	5.000	83.20	81.466	-1.734
0.369	1.165	-1.545	5.000	83.10	82.725	-0.375
0.37	1.130	0.000	5.000	83.00	84.135	1.135
0.371	1.095	1.545	5.000	82.90	85.545	2.645
0.372	1.060	2.939	5.000	82.80	86.803	4.003
0.373	1.024	4.045	5.000	82.70	87.774	5.074
0.374	0.988	4.755	5.000	82.60	88.348	5.748

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0.375	0.952	5.000	5.000	82.50	88.457	5.957
0.376	0.915	4.755	5.000	82.40	88.076	5.676
0.377	0.879	4.045	5.000	82.30	87.229	4.929
0.378	0.842	2.939	5.000	82.20	85.986	3.786
0.379	0.805	1.545	5.000	82.10	84.455	2.355
0.38	0.767	0.000	5.000	82.00	82.773	0.773
0.381	0.730	-1.545	5.000	81.90	81.090	-0.810
0.382	0.692	-2.939	5.000	81.80	79.559	-2.241
0.383	0.655	-4.045	5.000	81.70	78.315	-3.385
0.384	0.617	-4.755	5.000	81.60	77.467	-4.134
0.385	0.578	-5.000	5.000	81.50	77.084	-4.416
0.386	0.540	-4.755	5.000	81.40	77.190	-4.210
0.387	0.502	-4.045	5.000	81.30	77.762	-3.538
0.388	0.463	-2.939	5.000	81.20	78.730	-2.471
0.389	0.425	-1.545	5.000	81.10	79.985	-1.115
0.39	0.386	0.000	5.000	81.00	81.391	0.391
0.391	0.347	1.545	5.000	80.90	82.797	1.897
0.392	0.308	2.939	5.000	80.80	84.052	3.252
0.393	0.269	4.045	5.000	80.70	85.019	4.319
0.394	0.230	4.755	5.000	80.60	85.591	4.991
0.395	0.191	5.000	5.000	80.50	85.696	5.196
0.396	0.152	4.755	5.000	80.40	85.312	4.912
0.397	0.113	4.045	5.000	80.30	84.463	4.163
0.398	0.073	2.939	5.000	80.20	83.217	3.017
0.399	0.034	1.545	5.000	80.10	81.684	1.584
0.4	-0.005	0.000	5.000	80.00	80.000	0.000
0.401	-0.044	-1.545	5.000	79.90	78.316	-1.584
0.402	-0.084	-2.939	5.000	79.80	76.783	-3.018
0.403	-0.123	-4.045	5.000	79.70	75.537	-4.163
0.404	-0.162	-4.755	5.000	79.60	74.688	-4.912
0.405	-0.201	-5.000	5.000	79.50	74.304	-5.196
0.406	-0.240	-4.755	5.000	79.40	74.410	-4.991
0.407	-0.279	-4.045	5.000	79.30	74.981	-4.319
0.408	-0.318	-2.939	5.000	79.20	75.948	-3.252
0.409	-0.357	-1.545	5.000	79.10	77.203	-1.897
0.41	-0.396	0.000	5.000	79.00	78.609	-0.391
0.411	-0.435	1.545	5.000	78.90	80.015	1.115
0.412	-0.474	2.939	5.000	78.80	81.271	2.471
0.413	-0.512	4.045	5.000	78.70	82.238	3.538
0.414	-0.550	4.755	5.000	78.60	82.810	4.210
0.415	-0.589	5.000	5.000	78.50	82.916	4.416
0.416	-0.627	4.755	5.000	78.40	82.534	4.134
0.417	-0.665	4.045	5.000	78.30	81.685	3.385
0.418	-0.702	2.939	5.000	78.20	80.441	2.241
0.419	-0.740	1.545	5.000	78.10	78.910	0.810
0.42	-0.777	0.000	5.000	78.00	77.227	-0.773
0.421	-0.815	-1.545	5.000	77.90	75.545	-2.355
0.422	-0.852	-2.939	5.000	77.80	74.014	-3.786
0.423	-0.888	-4.045	5.000	77.70	72.771	-4.929
0.424	-0.925	-4.755	5.000	77.60	71.924	-5.676
0.425	-0.961	-5.000	5.000	77.50	71.543	-5.957
0.426	-0.998	-4.755	5.000	77.40	71.652	-5.748
0.427	-1.033	-4.045	5.000	77.30	72.226	-5.074
0.428	-1.069	-2.939	5.000	77.20	73.197	-4.003
0.429	-1.104	-1.545	5.000	77.10	74.455	-2.645
0.43	-1.139	0.000	5.000	77.00	75.865	-1.135
0.431	-1.174	1.545	5.000	76.90	77.275	0.375
0.432	-1.209	2.939	5.000	76.80	78.535	1.735
0.433	-1.243	4.045	5.000	76.70	79.506	2.806
0.434	-1.277	4.755	5.000	76.60	80.083	3.483
0.435	-1.311	5.000	5.000	76.50	80.194	3.694
0.436	-1.344	4.755	5.000	76.40	79.816	3.416
0.437	-1.377	4.045	5.000	76.30	78.973	2.673
0.438	-1.409	2.939	5.000	76.20	77.734	1.534

Data Repository Item

0.439	-1.442	1.545	5.000	76.10	76.208	0.108
0.44	-1.473	0.000	5.000	76.00	74.530	-1.470
0.441	-1.505	-1.545	5.000	75.90	72.854	-3.046
0.442	-1.536	-2.939	5.000	75.80	71.329	-4.471
0.443	-1.567	-4.045	5.000	75.70	70.092	-5.608
0.444	-1.597	-4.755	5.000	75.60	69.251	-6.349
0.445	-1.627	-5.000	5.000	75.50	68.876	-6.624
0.446	-1.657	-4.755	5.000	75.40	68.992	-6.409
0.447	-1.686	-4.045	5.000	75.30	69.572	-5.728
0.448	-1.715	-2.939	5.000	75.20	70.550	-4.650
0.449	-1.743	-1.545	5.000	75.10	71.815	-3.285
0.45	-1.771	0.000	5.000	75.00	73.232	-1.768
0.451	-1.799	1.545	5.000	74.90	74.650	-0.250
0.452	-1.826	2.939	5.000	74.80	75.917	1.116
0.453	-1.852	4.045	5.000	74.70	76.896	2.196
0.454	-1.879	4.755	5.000	74.60	77.480	2.880
0.455	-1.904	5.000	5.000	74.50	77.599	3.099
0.456	-1.929	4.755	5.000	74.40	77.229	2.829
0.457	-1.954	4.045	5.000	74.30	76.394	2.094
0.458	-1.978	2.939	5.000	74.20	75.164	0.964
0.459	-2.002	1.545	5.000	74.10	73.646	-0.454
0.46	-2.025	0.000	5.000	74.00	71.978	-2.023
0.461	-2.048	-1.545	5.000	73.90	70.310	-3.591
0.462	-2.070	-2.939	5.000	73.80	68.793	-5.007
0.463	-2.092	-4.045	5.000	73.70	67.565	-6.135
0.464	-2.113	-4.755	5.000	73.60	66.734	-6.866
0.465	-2.134	-5.000	5.000	73.50	66.368	-7.132
0.466	-2.154	-4.755	5.000	73.40	66.493	-6.907
0.467	-2.174	-4.045	5.000	73.30	67.083	-6.217
0.468	-2.193	-2.939	5.000	73.20	68.070	-5.130
0.469	-2.212	-1.545	5.000	73.10	69.346	-3.754
0.47	-2.230	0.000	5.000	73.00	70.773	-2.227
0.471	-2.247	1.545	5.000	72.90	72.200	-0.700
0.472	-2.264	2.939	5.000	72.80	73.477	0.677
0.473	-2.280	4.045	5.000	72.70	74.467	1.767
0.474	-2.296	4.755	5.000	72.60	75.061	2.461
0.475	-2.312	5.000	5.000	72.50	75.190	2.690
0.476	-2.326	4.755	5.000	72.40	74.831	2.431
0.477	-2.340	4.045	5.000	72.30	74.007	1.706
0.478	-2.354	2.939	5.000	72.20	72.787	0.587
0.479	-2.367	1.545	5.000	72.10	71.280	-0.820
0.48	-2.379	0.000	5.000	72.00	69.622	-2.378
0.481	-2.391	-1.545	5.000	71.90	67.965	-3.935
0.482	-2.402	-2.939	5.000	71.80	66.460	-5.340
0.483	-2.413	-4.045	5.000	71.70	65.244	-6.457
0.484	-2.423	-4.755	5.000	71.60	64.423	-7.177
0.485	-2.432	-5.000	5.000	71.50	64.069	-7.431
0.486	-2.441	-4.755	5.000	71.40	64.205	-7.195
0.487	-2.449	-4.045	5.000	71.30	64.807	-6.493
0.488	-2.457	-2.939	5.000	71.20	65.805	-5.395
0.489	-2.464	-1.545	5.000	71.10	67.092	-4.008
0.49	-2.470	0.000	5.000	71.00	68.531	-2.469
0.491	-2.476	1.545	5.000	70.90	69.970	-0.930
0.492	-2.481	2.939	5.000	70.80	71.259	0.459
0.493	-2.485	4.045	5.000	70.70	72.260	1.560
0.494	-2.489	4.755	5.000	70.60	72.866	2.266
0.495	-2.493	5.000	5.000	70.50	73.008	2.508
0.496	-2.495	4.755	5.000	70.40	72.660	2.260
0.497	-2.497	4.045	5.000	70.30	71.848	1.548
0.498	-2.499	2.939	5.000	70.20	70.640	0.440
0.499	-2.500	1.545	5.000	70.10	69.145	-0.955
0.5	-2.500	0.000	5.000	70.00	67.500	-2.500
0.501	-2.500	-1.545	5.000	69.90	65.855	-4.045
0.502	-2.499	-2.939	5.000	69.80	64.362	-5.438

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0.503	-2.497	-4.045	5.000	69.70	63.158	-6.542
0.504	-2.495	-4.755	5.000	69.60	62.350	-7.250
0.505	-2.492	-5.000	5.000	69.50	62.008	-7.492
0.506	-2.488	-4.755	5.000	69.40	62.156	-7.244
0.507	-2.484	-4.045	5.000	69.30	62.770	-6.530
0.508	-2.480	-2.939	5.000	69.20	63.781	-5.419
0.509	-2.474	-1.545	5.000	69.10	65.080	-4.020
0.51	-2.469	0.000	5.000	69.00	66.531	-2.469
0.511	-2.462	1.545	5.000	68.90	67.982	-0.918
0.512	-2.455	2.939	5.000	68.80	69.283	0.483
0.513	-2.447	4.045	5.000	68.70	70.297	1.597
0.514	-2.439	4.755	5.000	68.60	70.916	2.316
0.515	-2.430	5.000	5.000	68.50	71.069	2.569
0.516	-2.420	4.755	5.000	68.40	70.734	2.334
0.517	-2.410	4.045	5.000	68.30	69.934	1.634
0.518	-2.399	2.939	5.000	68.20	68.738	0.538
0.519	-2.388	1.545	5.000	68.10	67.256	-0.844
0.52	-2.376	0.000	5.000	68.00	65.622	-2.378
0.521	-2.364	-1.545	5.000	67.90	63.990	-3.910
0.522	-2.351	-2.939	5.000	67.80	62.509	-5.291
0.523	-2.337	-4.045	5.000	67.70	61.316	-6.384
0.524	-2.323	-4.755	5.000	67.60	60.520	-7.080
0.525	-2.308	-5.000	5.000	67.50	60.190	-7.310
0.526	-2.293	-4.755	5.000	67.40	60.350	-7.050
0.527	-2.277	-4.045	5.000	67.30	60.977	-6.324
0.528	-2.260	-2.939	5.000	67.20	61.999	-5.201
0.529	-2.243	-1.545	5.000	67.10	63.310	-3.790
0.53	-2.226	0.000	5.000	67.00	64.773	-2.227
0.531	-2.207	1.545	5.000	66.90	66.236	-0.664
0.532	-2.189	2.939	5.000	66.80	67.548	0.748
0.533	-2.169	4.045	5.000	66.70	68.574	1.874
0.534	-2.150	4.755	5.000	66.60	69.203	2.603
0.535	-2.129	5.000	5.000	66.50	69.368	2.868
0.536	-2.108	4.755	5.000	66.40	69.044	2.644
0.537	-2.087	4.045	5.000	66.30	68.256	1.956
0.538	-2.065	2.939	5.000	66.20	67.071	0.871
0.539	-2.043	1.545	5.000	66.10	65.600	-0.500
0.54	-2.020	0.000	5.000	66.00	63.977	-2.023
0.541	-1.997	-1.545	5.000	65.90	62.356	-3.544
0.542	-1.973	-2.939	5.000	65.80	60.886	-4.914
0.543	-1.948	-4.045	5.000	65.70	59.704	-5.996
0.544	-1.924	-4.755	5.000	65.60	58.918	-6.682
0.545	-1.898	-5.000	5.000	65.50	58.599	-6.901
0.546	-1.872	-4.755	5.000	65.40	58.770	-6.631
0.547	-1.846	-4.045	5.000	65.30	59.406	-5.894
0.548	-1.820	-2.939	5.000	65.20	60.439	-4.761
0.549	-1.792	-1.545	5.000	65.10	61.760	-3.340
0.55	-1.765	0.000	5.000	65.00	63.232	-1.768
0.551	-1.737	1.545	5.000	64.90	64.705	-0.195
0.552	-1.708	2.939	5.000	64.80	66.028	1.228
0.553	-1.679	4.045	5.000	64.70	67.063	2.363
0.554	-1.650	4.755	5.000	64.60	67.702	3.102
0.555	-1.620	5.000	5.000	64.50	67.876	3.376
0.556	-1.590	4.755	5.000	64.40	67.562	3.162
0.557	-1.560	4.045	5.000	64.30	66.782	2.482
0.558	-1.529	2.939	5.000	64.20	65.607	1.407
0.559	-1.498	1.545	5.000	64.10	64.144	0.044
0.56	-1.466	0.000	5.000	64.00	62.531	-1.470
0.561	-1.434	-1.545	5.000	63.90	60.917	-2.983
0.562	-1.402	-2.939	5.000	63.80	59.456	-4.344
0.563	-1.369	-4.045	5.000	63.70	58.282	-5.418
0.564	-1.336	-4.755	5.000	63.60	57.505	-6.095
0.565	-1.303	-5.000	5.000	63.50	57.194	-6.306
0.566	-1.269	-4.755	5.000	63.40	57.372	-6.028

Data Repository Item

0.567	-1.235	-4.045	5.000	63.30	58.016	-5.284
0.568	-1.201	-2.939	5.000	63.20	59.057	-4.143
0.569	-1.166	-1.545	5.000	63.10	60.385	-2.715
0.57	-1.131	0.000	5.000	63.00	61.865	-1.135
0.571	-1.096	1.545	5.000	62.90	63.345	0.445
0.572	-1.061	2.939	5.000	62.80	64.675	1.874
0.573	-1.025	4.045	5.000	62.70	65.716	3.016
0.574	-0.989	4.755	5.000	62.60	66.362	3.762
0.575	-0.953	5.000	5.000	62.50	66.543	4.043
0.576	-0.917	4.755	5.000	62.40	66.235	3.835
0.577	-0.880	4.045	5.000	62.30	65.461	3.161
0.578	-0.843	2.939	5.000	62.20	64.292	2.092
0.579	-0.806	1.545	5.000	62.10	62.835	0.735
0.58	-0.769	0.000	5.000	62.00	61.228	-0.773
0.581	-0.731	-1.545	5.000	61.90	59.620	-2.280
0.582	-0.694	-2.939	5.000	61.80	58.164	-3.636
0.583	-0.656	-4.045	5.000	61.70	56.995	-4.705
0.584	-0.618	-4.755	5.000	61.60	56.223	-5.377
0.585	-0.580	-5.000	5.000	61.50	55.916	-5.584
0.586	-0.541	-4.755	5.000	61.40	56.099	-5.301
0.587	-0.503	-4.045	5.000	61.30	56.748	-4.552
0.588	-0.465	-2.939	5.000	61.20	57.793	-3.407
0.589	-0.426	-1.545	5.000	61.10	59.125	-1.975
0.59	-0.387	0.000	5.000	61.00	60.609	-0.391
0.591	-0.348	1.545	5.000	60.90	62.093	1.193
0.592	-0.309	2.939	5.000	60.80	63.426	2.626
0.593	-0.270	4.045	5.000	60.70	64.471	3.771
0.594	-0.231	4.755	5.000	60.60	65.120	4.520
0.595	-0.192	5.000	5.000	60.50	65.304	4.804
0.596	-0.153	4.755	5.000	60.40	64.998	4.598
0.597	-0.114	4.045	5.000	60.30	64.227	3.927
0.598	-0.075	2.939	5.000	60.20	63.060	2.860
0.599	-0.035	1.545	5.000	60.10	61.606	1.506
0.6	0.004	0.000	5.000	60.00	60.000	0.000
0.601	0.043	-1.545	5.000	59.90	58.394	-1.506
0.602	0.082	-2.939	5.000	59.80	56.940	-2.860
0.603	0.122	-4.045	5.000	59.70	55.773	-3.927
0.604	0.161	-4.755	5.000	59.60	55.002	-4.598
0.605	0.200	-5.000	5.000	59.50	54.696	-4.804
0.606	0.239	-4.755	5.000	59.40	54.880	-4.520
0.607	0.278	-4.045	5.000	59.30	55.529	-3.771
0.608	0.317	-2.939	5.000	59.20	56.574	-2.626
0.609	0.356	-1.545	5.000	59.10	57.907	-1.193
0.61	0.395	0.000	5.000	59.00	59.391	0.391
0.611	0.434	1.545	5.000	58.90	60.875	1.975
0.612	0.472	2.939	5.000	58.80	62.207	3.407
0.613	0.511	4.045	5.000	58.70	63.252	4.552
0.614	0.549	4.755	5.000	58.60	63.901	5.301
0.615	0.587	5.000	5.000	58.50	64.084	5.584
0.616	0.625	4.755	5.000	58.40	63.777	5.377
0.617	0.663	4.045	5.000	58.30	63.005	4.705
0.618	0.701	2.939	5.000	58.20	61.836	3.636
0.619	0.739	1.545	5.000	58.10	60.380	2.280
0.62	0.776	0.000	5.000	58.00	58.773	0.773
0.621	0.813	-1.545	5.000	57.90	57.165	-0.735
0.622	0.850	-2.939	5.000	57.80	55.708	-2.092
0.623	0.887	-4.045	5.000	57.70	54.539	-3.161
0.624	0.924	-4.755	5.000	57.60	53.765	-3.835
0.625	0.960	-5.000	5.000	57.50	53.457	-4.043
0.626	0.996	-4.755	5.000	57.40	53.638	-3.762
0.627	1.032	-4.045	5.000	57.30	54.284	-3.016
0.628	1.068	-2.939	5.000	57.20	55.326	-1.874
0.629	1.103	-1.545	5.000	57.10	56.655	-0.445
0.63	1.138	0.000	5.000	57.00	58.135	1.135

Data Repository Item

0.631	1.173	1.545	5.000	56.90	59.615	2.715
0.632	1.208	2.939	5.000	56.80	60.943	4.143
0.633	1.242	4.045	5.000	56.70	61.984	5.284
0.634	1.276	4.755	5.000	56.60	62.628	6.028
0.635	1.309	5.000	5.000	56.50	62.806	6.306
0.636	1.343	4.755	5.000	56.40	62.495	6.095
0.637	1.376	4.045	5.000	56.30	61.718	5.418
0.638	1.408	2.939	5.000	56.20	60.544	4.344
0.639	1.441	1.545	5.000	56.10	59.083	2.983
0.64	1.472	0.000	5.000	56.00	57.469	1.469
0.641	1.504	-1.545	5.000	55.90	55.856	-0.044
0.642	1.535	-2.939	5.000	55.80	54.393	-1.407
0.643	1.566	-4.045	5.000	55.70	53.218	-2.482
0.644	1.596	-4.755	5.000	55.60	52.438	-3.162
0.645	1.626	-5.000	5.000	55.50	52.124	-3.376
0.646	1.656	-4.755	5.000	55.40	52.298	-3.102
0.647	1.685	-4.045	5.000	55.30	52.937	-2.363
0.648	1.714	-2.939	5.000	55.20	53.973	-1.228
0.649	1.742	-1.545	5.000	55.10	55.295	0.195
0.65	1.770	0.000	5.000	55.00	56.768	1.768
0.651	1.798	1.545	5.000	54.90	58.240	3.340
0.652	1.825	2.939	5.000	54.80	59.561	4.761
0.653	1.851	4.045	5.000	54.70	60.594	5.894
0.654	1.878	4.755	5.000	54.60	61.231	6.631
0.655	1.903	5.000	5.000	54.50	61.401	6.901
0.656	1.929	4.755	5.000	54.40	61.082	6.682
0.657	1.953	4.045	5.000	54.30	60.296	5.996
0.658	1.978	2.939	5.000	54.20	59.114	4.914
0.659	2.001	1.545	5.000	54.10	57.644	3.544
0.66	2.025	0.000	5.000	54.00	56.023	2.023
0.661	2.047	-1.545	5.000	53.90	54.400	0.500
0.662	2.070	-2.939	5.000	53.80	52.929	-0.871
0.663	2.091	-4.045	5.000	53.70	51.744	-1.956
0.664	2.113	-4.755	5.000	53.60	50.956	-2.644
0.665	2.133	-5.000	5.000	53.50	50.632	-2.868
0.666	2.154	-4.755	5.000	53.40	50.797	-2.603
0.667	2.173	-4.045	5.000	53.30	51.427	-1.873
0.668	2.192	-2.939	5.000	53.20	52.452	-0.748
0.669	2.211	-1.545	5.000	53.10	53.764	0.664
0.67	2.229	0.000	5.000	53.00	55.228	2.228
0.671	2.247	1.545	5.000	52.90	56.690	3.790
0.672	2.264	2.939	5.000	52.80	58.001	5.201
0.673	2.280	4.045	5.000	52.70	59.024	6.324
0.674	2.296	4.755	5.000	52.60	59.650	7.050
0.675	2.311	5.000	5.000	52.50	59.810	7.310
0.676	2.326	4.755	5.000	52.40	59.480	7.080
0.677	2.340	4.045	5.000	52.30	58.684	6.384
0.678	2.353	2.939	5.000	52.20	57.491	5.291
0.679	2.366	1.545	5.000	52.10	56.010	3.910
0.68	2.379	0.000	5.000	52.00	54.378	2.378
0.681	2.390	-1.545	5.000	51.90	52.744	0.844
0.682	2.402	-2.939	5.000	51.80	51.262	-0.538
0.683	2.412	-4.045	5.000	51.70	50.066	-1.634
0.684	2.422	-4.755	5.000	51.60	49.266	-2.334
0.685	2.432	-5.000	5.000	51.50	48.931	-2.569
0.686	2.441	-4.755	5.000	51.40	49.085	-2.316
0.687	2.449	-4.045	5.000	51.30	49.703	-1.597
0.688	2.456	-2.939	5.000	51.20	50.717	-0.483
0.689	2.463	-1.545	5.000	51.10	52.018	0.918
0.69	2.470	0.000	5.000	51.00	53.469	2.469
0.691	2.476	1.545	5.000	50.90	54.920	4.020
0.692	2.481	2.939	5.000	50.80	56.219	5.419
0.693	2.485	4.045	5.000	50.70	57.230	6.530
0.694	2.489	4.755	5.000	50.60	57.844	7.244

Data Repository Item

0.695	2.493	5.000	5.000	50.50	57.992	7.492
0.696	2.495	4.755	5.000	50.40	57.650	7.250
0.697	2.497	4.045	5.000	50.30	56.842	6.542
0.698	2.499	2.939	5.000	50.20	55.638	5.438
0.699	2.500	1.545	5.000	50.10	54.145	4.045
0.7	2.500	0.000	5.000	50.00	52.500	2.500
0.701	2.500	-1.545	5.000	49.90	50.855	0.955
0.702	2.499	-2.939	5.000	49.80	49.360	-0.440
0.703	2.497	-4.045	5.000	49.70	48.152	-1.548
0.704	2.495	-4.755	5.000	49.60	47.340	-2.260
0.705	2.492	-5.000	5.000	49.50	46.992	-2.508
0.706	2.489	-4.755	5.000	49.40	47.134	-2.266
0.707	2.485	-4.045	5.000	49.30	47.740	-1.560
0.708	2.480	-2.939	5.000	49.20	48.741	-0.459
0.709	2.475	-1.545	5.000	49.10	50.030	0.930
0.71	2.469	0.000	5.000	49.00	51.469	2.469
0.711	2.462	1.545	5.000	48.90	52.908	4.008
0.712	2.455	2.939	5.000	48.80	54.195	5.395
0.713	2.447	4.045	5.000	48.70	55.193	6.493
0.714	2.439	4.755	5.000	48.60	55.795	7.195
0.715	2.430	5.000	5.000	48.50	55.931	7.431
0.716	2.421	4.755	5.000	48.40	55.577	7.177
0.717	2.411	4.045	5.000	48.30	54.756	6.456
0.718	2.400	2.939	5.000	48.20	53.540	5.340
0.719	2.389	1.545	5.000	48.10	52.035	3.935
0.72	2.377	0.000	5.000	48.00	50.378	2.378
0.721	2.364	-1.545	5.000	47.90	48.720	0.820
0.722	2.351	-2.939	5.000	47.80	47.213	-0.587
0.723	2.338	-4.045	5.000	47.70	45.994	-1.707
0.724	2.323	-4.755	5.000	47.60	45.169	-2.431
0.725	2.309	-5.000	5.000	47.50	44.810	-2.690
0.726	2.293	-4.755	5.000	47.40	44.939	-2.461
0.727	2.277	-4.045	5.000	47.30	45.534	-1.767
0.728	2.261	-2.939	5.000	47.20	46.523	-0.677
0.729	2.244	-1.545	5.000	47.10	47.800	0.700
0.73	2.226	0.000	5.000	47.00	49.228	2.228
0.731	2.208	1.545	5.000	46.90	50.655	3.755
0.732	2.189	2.939	5.000	46.80	51.930	5.130
0.733	2.170	4.045	5.000	46.70	52.917	6.217
0.734	2.150	4.755	5.000	46.60	53.507	6.907
0.735	2.130	5.000	5.000	46.50	53.632	7.132
0.736	2.109	4.755	5.000	46.40	53.266	6.866
0.737	2.088	4.045	5.000	46.30	52.435	6.135
0.738	2.066	2.939	5.000	46.20	51.207	5.007
0.739	2.044	1.545	5.000	46.10	49.690	3.590
0.74	2.021	0.000	5.000	46.00	48.023	2.023
0.741	1.997	-1.545	5.000	45.90	46.354	0.454
0.742	1.974	-2.939	5.000	45.80	44.836	-0.964
0.743	1.949	-4.045	5.000	45.70	43.606	-2.094
0.744	1.924	-4.755	5.000	45.60	42.771	-2.829
0.745	1.899	-5.000	5.000	45.50	42.401	-3.099
0.746	1.873	-4.755	5.000	45.40	42.520	-2.880
0.747	1.847	-4.045	5.000	45.30	43.104	-2.196
0.748	1.820	-2.939	5.000	45.20	44.084	-1.116
0.749	1.793	-1.545	5.000	45.10	45.350	0.250
0.75	1.766	0.000	5.000	45.00	46.768	1.768
0.751	1.738	1.545	5.000	44.90	48.185	3.285
0.752	1.709	2.939	5.000	44.80	49.450	4.650
0.753	1.680	4.045	5.000	44.70	50.428	5.728
0.754	1.651	4.755	5.000	44.60	51.009	6.409
0.755	1.621	5.000	5.000	44.50	51.124	6.624
0.756	1.591	4.755	5.000	44.40	50.749	6.349
0.757	1.561	4.045	5.000	44.30	49.908	5.608
0.758	1.530	2.939	5.000	44.20	48.671	4.471

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0.759	1.499	1.545	5.000	44.10	47.146	3.046
0.76	1.467	0.000	5.000	44.00	45.469	1.469
0.761	1.435	-1.545	5.000	43.90	43.792	-0.108
0.762	1.403	-2.939	5.000	43.80	42.266	-1.534
0.763	1.370	-4.045	5.000	43.70	41.028	-2.673
0.764	1.337	-4.755	5.000	43.60	40.184	-3.416
0.765	1.304	-5.000	5.000	43.50	39.806	-3.694
0.766	1.270	-4.755	5.000	43.40	39.917	-3.483
0.767	1.236	-4.045	5.000	43.30	40.494	-2.806
0.768	1.202	-2.939	5.000	43.20	41.466	-1.735
0.769	1.167	-1.545	5.000	43.10	42.725	-0.375
0.77	1.132	0.000	5.000	43.00	44.135	1.135
0.771	1.097	1.545	5.000	42.90	45.545	2.645
0.772	1.062	2.939	5.000	42.80	46.803	4.003
0.773	1.026	4.045	5.000	42.70	47.774	5.074
0.774	0.990	4.755	5.000	42.60	48.348	5.748
0.775	0.954	5.000	5.000	42.50	48.457	5.957
0.776	0.918	4.755	5.000	42.40	48.076	5.676
0.777	0.881	4.045	5.000	42.30	47.229	4.929
0.778	0.844	2.939	5.000	42.20	45.986	3.786
0.779	0.807	1.545	5.000	42.10	44.455	2.355
0.78	0.770	0.000	5.000	42.00	42.773	0.773
0.781	0.732	-1.545	5.000	41.90	41.090	-0.810
0.782	0.695	-2.939	5.000	41.80	39.559	-2.241
0.783	0.657	-4.045	5.000	41.70	38.315	-3.385
0.784	0.619	-4.755	5.000	41.60	37.466	-4.134
0.785	0.581	-5.000	5.000	41.50	37.084	-4.416
0.786	0.543	-4.755	5.000	41.40	37.190	-4.210
0.787	0.504	-4.045	5.000	41.30	37.762	-3.538
0.788	0.466	-2.939	5.000	41.20	38.730	-2.470
0.789	0.427	-1.545	5.000	41.10	39.985	-1.115
0.79	0.388	0.000	5.000	41.00	41.391	0.391
0.791	0.350	1.545	5.000	40.90	42.797	1.897
0.792	0.311	2.939	5.000	40.80	44.052	3.252
0.793	0.272	4.045	5.000	40.70	45.019	4.319
0.794	0.233	4.755	5.000	40.60	45.591	4.991
0.795	0.194	5.000	5.000	40.50	45.696	5.196
0.796	0.154	4.755	5.000	40.40	45.312	4.912
0.797	0.115	4.045	5.000	40.30	44.463	4.163
0.798	0.076	2.939	5.000	40.20	43.217	3.017
0.799	0.037	1.545	5.000	40.10	41.684	1.584
0.8	-0.003	0.000	5.000	40.00	40.000	0.000
0.801	-0.042	-1.545	5.000	39.90	38.316	-1.584
0.802	-0.081	-2.939	5.000	39.80	36.783	-3.017
0.803	-0.120	-4.045	5.000	39.70	35.537	-4.163
0.804	-0.160	-4.755	5.000	39.60	34.688	-4.912
0.805	-0.199	-5.000	5.000	39.50	34.304	-5.196
0.806	-0.238	-4.755	5.000	39.40	34.410	-4.991
0.807	-0.277	-4.045	5.000	39.30	34.981	-4.319
0.808	-0.316	-2.939	5.000	39.20	35.948	-3.252
0.809	-0.355	-1.545	5.000	39.10	37.203	-1.897
0.81	-0.394	0.000	5.000	39.00	38.609	-0.391
0.811	-0.432	1.545	5.000	38.90	40.015	1.115
0.812	-0.471	2.939	5.000	38.80	41.271	2.471
0.813	-0.509	4.045	5.000	38.70	42.238	3.538
0.814	-0.548	4.755	5.000	38.60	42.810	4.210
0.815	-0.586	5.000	5.000	38.50	42.916	4.416
0.816	-0.624	4.755	5.000	38.40	42.534	4.134
0.817	-0.662	4.045	5.000	38.30	41.685	3.385
0.818	-0.700	2.939	5.000	38.20	40.441	2.241
0.819	-0.737	1.545	5.000	38.10	38.910	0.810
0.82	-0.775	0.000	5.000	38.00	37.227	-0.773
0.821	-0.812	-1.545	5.000	37.90	35.545	-2.355
0.822	-0.849	-2.939	5.000	37.80	34.014	-3.786

Data Repository Item

0.823	-0.886	-4.045	5.000	37.70	32.771	-4.929
0.824	-0.923	-4.755	5.000	37.60	31.924	-5.676
0.825	-0.959	-5.000	5.000	37.50	31.543	-5.957
0.826	-0.995	-4.755	5.000	37.40	31.652	-5.748
0.827	-1.031	-4.045	5.000	37.30	32.226	-5.074
0.828	-1.067	-2.939	5.000	37.20	33.197	-4.003
0.829	-1.102	-1.545	5.000	37.10	34.455	-2.645
0.83	-1.137	0.000	5.000	37.00	35.865	-1.135
0.831	-1.172	1.545	5.000	36.90	37.275	0.375
0.832	-1.206	2.939	5.000	36.80	38.535	1.735
0.833	-1.241	4.045	5.000	36.70	39.506	2.806
0.834	-1.275	4.755	5.000	36.60	40.083	3.483
0.835	-1.308	5.000	5.000	36.50	40.194	3.694
0.836	-1.342	4.755	5.000	36.40	39.816	3.416
0.837	-1.375	4.045	5.000	36.30	38.973	2.673
0.838	-1.407	2.939	5.000	36.20	37.734	1.534
0.839	-1.439	1.545	5.000	36.10	36.208	0.108
0.84	-1.471	0.000	5.000	36.00	34.531	-1.470
0.841	-1.503	-1.545	5.000	35.90	32.854	-3.046
0.842	-1.534	-2.939	5.000	35.80	31.329	-4.471
0.843	-1.565	-4.045	5.000	35.70	30.092	-5.608
0.844	-1.595	-4.755	5.000	35.60	29.251	-6.349
0.845	-1.625	-5.000	5.000	35.50	28.876	-6.624
0.846	-1.655	-4.755	5.000	35.40	28.991	-6.409
0.847	-1.684	-4.045	5.000	35.30	29.572	-5.728
0.848	-1.713	-2.939	5.000	35.20	30.550	-4.650
0.849	-1.741	-1.545	5.000	35.10	31.815	-3.285
0.85	-1.769	0.000	5.000	35.00	33.232	-1.768
0.851	-1.797	1.545	5.000	34.90	34.650	-0.250
0.852	-1.824	2.939	5.000	34.80	35.917	1.117
0.853	-1.851	4.045	5.000	34.70	36.896	2.196
0.854	-1.877	4.755	5.000	34.60	37.480	2.880
0.855	-1.902	5.000	5.000	34.50	37.599	3.099
0.856	-1.928	4.755	5.000	34.40	37.229	2.829
0.857	-1.952	4.045	5.000	34.30	36.394	2.094
0.858	-1.977	2.939	5.000	34.20	35.164	0.964
0.859	-2.001	1.545	5.000	34.10	33.646	-0.454
0.86	-2.024	0.000	5.000	34.00	31.977	-2.023
0.861	-2.047	-1.545	5.000	33.90	30.310	-3.590
0.862	-2.069	-2.939	5.000	33.80	28.793	-5.007
0.863	-2.091	-4.045	5.000	33.70	27.565	-6.135
0.864	-2.112	-4.755	5.000	33.60	26.734	-6.866
0.865	-2.133	-5.000	5.000	33.50	26.368	-7.132
0.866	-2.153	-4.755	5.000	33.40	26.493	-6.907
0.867	-2.173	-4.045	5.000	33.30	27.083	-6.217
0.868	-2.192	-2.939	5.000	33.20	28.070	-5.130
0.869	-2.210	-1.545	5.000	33.10	29.346	-3.754
0.87	-2.229	0.000	5.000	33.00	30.773	-2.228
0.871	-2.246	1.545	5.000	32.90	32.200	-0.700
0.872	-2.263	2.939	5.000	32.80	33.477	0.677
0.873	-2.279	4.045	5.000	32.70	34.467	1.767
0.874	-2.295	4.755	5.000	32.60	35.061	2.461
0.875	-2.311	5.000	5.000	32.50	35.190	2.690
0.876	-2.325	4.755	5.000	32.40	34.831	2.431
0.877	-2.339	4.045	5.000	32.30	34.006	1.706
0.878	-2.353	2.939	5.000	32.20	32.787	0.587
0.879	-2.366	1.545	5.000	32.10	31.280	-0.820
0.88	-2.378	0.000	5.000	32.00	29.622	-2.378
0.881	-2.390	-1.545	5.000	31.90	27.965	-3.935
0.882	-2.401	-2.939	5.000	31.80	26.460	-5.340
0.883	-2.412	-4.045	5.000	31.70	25.244	-6.456
0.884	-2.422	-4.755	5.000	31.60	24.423	-7.177
0.885	-2.431	-5.000	5.000	31.50	24.069	-7.431
0.886	-2.440	-4.755	5.000	31.40	24.205	-7.195

Data Repository Item

0.887	-2.448	-4.045	5.000	31.30	24.807	-6.493
0.888	-2.456	-2.939	5.000	31.20	25.805	-5.395
0.889	-2.463	-1.545	5.000	31.10	27.092	-4.008
0.89	-2.470	0.000	5.000	31.00	28.531	-2.469
0.891	-2.475	1.545	5.000	30.90	29.970	-0.930
0.892	-2.481	2.939	5.000	30.80	31.259	0.459
0.893	-2.485	4.045	5.000	30.70	32.260	1.560
0.894	-2.489	4.755	5.000	30.60	32.866	2.266
0.895	-2.492	5.000	5.000	30.50	33.008	2.508
0.896	-2.495	4.755	5.000	30.40	32.660	2.260
0.897	-2.497	4.045	5.000	30.30	31.848	1.548
0.898	-2.499	2.939	5.000	30.20	30.640	0.440
0.899	-2.500	1.545	5.000	30.10	29.145	-0.955
0.9	-2.500	0.000	5.000	30.00	27.500	-2.500
0.901	-2.500	-1.545	5.000	29.90	25.855	-4.045
0.902	-2.499	-2.939	5.000	29.80	24.362	-5.438
0.903	-2.497	-4.045	5.000	29.70	23.158	-6.542
0.904	-2.495	-4.755	5.000	29.60	22.350	-7.250
0.905	-2.492	-5.000	5.000	29.50	22.008	-7.492
0.906	-2.489	-4.755	5.000	29.40	22.156	-7.244
0.907	-2.485	-4.045	5.000	29.30	22.770	-6.530
0.908	-2.480	-2.939	5.000	29.20	23.781	-5.419
0.909	-2.475	-1.545	5.000	29.10	25.080	-4.020
0.91	-2.469	0.000	5.000	29.00	26.531	-2.469
0.911	-2.462	1.545	5.000	28.90	27.982	-0.918
0.912	-2.455	2.939	5.000	28.80	29.283	0.483
0.913	-2.448	4.045	5.000	28.70	30.297	1.597
0.914	-2.439	4.755	5.000	28.60	30.916	2.315
0.915	-2.430	5.000	5.000	28.50	31.069	2.569
0.916	-2.421	4.755	5.000	28.40	30.734	2.334
0.917	-2.411	4.045	5.000	28.30	29.934	1.634
0.918	-2.400	2.939	5.000	28.20	28.738	0.538
0.919	-2.389	1.545	5.000	28.10	27.256	-0.844
0.92	-2.377	0.000	5.000	28.00	25.622	-2.378
0.921	-2.365	-1.545	5.000	27.90	23.990	-3.910
0.922	-2.352	-2.939	5.000	27.80	22.509	-5.291
0.923	-2.338	-4.045	5.000	27.70	21.316	-6.384
0.924	-2.324	-4.755	5.000	27.60	20.520	-7.080
0.925	-2.309	-5.000	5.000	27.50	20.190	-7.310
0.926	-2.294	-4.755	5.000	27.40	20.350	-7.050
0.927	-2.278	-4.045	5.000	27.30	20.976	-6.324
0.928	-2.261	-2.939	5.000	27.20	21.999	-5.201
0.929	-2.244	-1.545	5.000	27.10	23.310	-3.790
0.93	-2.227	0.000	5.000	27.00	24.773	-2.228
0.931	-2.209	1.545	5.000	26.90	26.236	-0.664
0.932	-2.190	2.939	5.000	26.80	27.548	0.748
0.933	-2.171	4.045	5.000	26.70	28.574	1.874
0.934	-2.151	4.755	5.000	26.60	29.203	2.603
0.935	-2.131	5.000	5.000	26.50	29.368	2.868
0.936	-2.110	4.755	5.000	26.40	29.045	2.644
0.937	-2.089	4.045	5.000	26.30	28.256	1.956
0.938	-2.067	2.939	5.000	26.20	27.071	0.871
0.939	-2.044	1.545	5.000	26.10	25.600	-0.500
0.94	-2.022	0.000	5.000	26.00	23.977	-2.023
0.941	-1.998	-1.545	5.000	25.90	22.356	-3.544
0.942	-1.974	-2.939	5.000	25.80	20.886	-4.914
0.943	-1.950	-4.045	5.000	25.70	19.704	-5.996
0.944	-1.925	-4.755	5.000	25.60	18.918	-6.682
0.945	-1.900	-5.000	5.000	25.50	18.599	-6.901
0.946	-1.874	-4.755	5.000	25.40	18.769	-6.631
0.947	-1.848	-4.045	5.000	25.30	19.406	-5.894
0.948	-1.821	-2.939	5.000	25.20	20.439	-4.761
0.949	-1.794	-1.545	5.000	25.10	21.760	-3.340
0.95	-1.767	0.000	5.000	25.00	23.232	-1.768

Data Repository Item

0.951	-1.739	1.545	5.000	24.90	24.705	-0.195
0.952	-1.710	2.939	5.000	24.80	26.028	1.228
0.953	-1.681	4.045	5.000	24.70	27.063	2.363
0.954	-1.652	4.755	5.000	24.60	27.702	3.102
0.955	-1.622	5.000	5.000	24.50	27.876	3.376
0.956	-1.592	4.755	5.000	24.40	27.562	3.162
0.957	-1.562	4.045	5.000	24.30	26.782	2.482
0.958	-1.531	2.939	5.000	24.20	25.607	1.407
0.959	-1.500	1.545	5.000	24.10	24.144	0.044
0.96	-1.468	0.000	5.000	24.00	22.531	-1.470
0.961	-1.436	-1.545	5.000	23.90	20.917	-2.983
0.962	-1.404	-2.939	5.000	23.80	19.456	-4.344
0.963	-1.371	-4.045	5.000	23.70	18.282	-5.418
0.964	-1.338	-4.755	5.000	23.60	17.505	-6.095
0.965	-1.305	-5.000	5.000	23.50	17.194	-6.306
0.966	-1.271	-4.755	5.000	23.40	17.372	-6.028
0.967	-1.237	-4.045	5.000	23.30	18.016	-5.284
0.968	-1.203	-2.939	5.000	23.20	19.057	-4.143
0.969	-1.168	-1.545	5.000	23.10	20.385	-2.715
0.97	-1.134	0.000	5.000	23.00	21.865	-1.135
0.971	-1.099	1.545	5.000	22.90	23.345	0.445
0.972	-1.063	2.939	5.000	22.80	24.675	1.875
0.973	-1.027	4.045	5.000	22.70	25.716	3.016
0.974	-0.992	4.755	5.000	22.60	26.362	3.762
0.975	-0.955	5.000	5.000	22.50	26.543	4.043
0.976	-0.919	4.755	5.000	22.40	26.235	3.835
0.977	-0.882	4.045	5.000	22.30	25.461	3.161
0.978	-0.845	2.939	5.000	22.20	24.292	2.092
0.979	-0.808	1.545	5.000	22.10	22.835	0.735
0.98	-0.771	0.000	5.000	22.00	21.227	-0.773
0.981	-0.734	-1.545	5.000	21.90	19.620	-2.280
0.982	-0.696	-2.939	5.000	21.80	18.164	-3.636
0.983	-0.658	-4.045	5.000	21.70	16.995	-4.705
0.984	-0.620	-4.755	5.000	21.60	16.223	-5.377
0.985	-0.582	-5.000	5.000	21.50	15.916	-5.584
0.986	-0.544	-4.755	5.000	21.40	16.099	-5.301
0.987	-0.506	-4.045	5.000	21.30	16.748	-4.552
0.988	-0.467	-2.939	5.000	21.20	17.793	-3.407
0.989	-0.428	-1.545	5.000	21.10	19.125	-1.975
0.99	-0.390	0.000	5.000	21.00	20.609	-0.391
0.991	-0.351	1.545	5.000	20.90	22.093	1.193
0.992	-0.312	2.939	5.000	20.80	23.426	2.626
0.993	-0.273	4.045	5.000	20.70	24.471	3.771
0.994	-0.234	4.755	5.000	20.60	25.120	4.520
0.995	-0.195	5.000	5.000	20.50	25.304	4.804
0.996	-0.156	4.755	5.000	20.40	24.998	4.598
0.997	-0.116	4.045	5.000	20.30	24.227	3.927
0.998	-0.077	2.939	5.000	20.20	23.060	2.860
0.999	-0.038	1.545	5.000	20.10	21.606	1.506
1	0.001	0.000	5.000	20.00	20.000	0.000
1.001	0.041	-1.545	5.000	19.90	18.394	-1.506
1.002	0.080	-2.939	5.000	19.80	16.940	-2.860
1.003	0.119	-4.045	5.000	19.70	15.773	-3.927
1.004	0.158	-4.755	5.000	19.60	15.002	-4.598
1.005	0.197	-5.000	5.000	19.50	14.696	-4.804
1.006	0.237	-4.755	5.000	19.40	14.880	-4.520
1.007	0.276	-4.045	5.000	19.30	15.529	-3.771
1.008	0.315	-2.939	5.000	19.20	16.574	-2.626
1.009	0.353	-1.545	5.000	19.10	17.907	-1.193
1.01	0.392	0.000	5.000	19.00	19.391	0.391
1.011	0.431	1.545	5.000	18.90	20.875	1.975
1.012	0.470	2.939	5.000	18.80	22.207	3.407
1.013	0.508	4.045	5.000	18.70	23.252	4.552
1.014	0.547	4.755	5.000	18.60	23.901	5.301

Data Repository Item

1.015	0.585	5.000	5.000	18.50	24.084	5.584
1.016	0.623	4.755	5.000	18.40	23.777	5.377
1.017	0.661	4.045	5.000	18.30	23.005	4.705
1.018	0.699	2.939	5.000	18.20	21.836	3.636
1.019	0.736	1.545	5.000	18.10	20.380	2.280
1.02	0.774	0.000	5.000	18.00	18.773	0.773
1.021	0.811	-1.545	5.000	17.90	17.165	-0.735
1.022	0.848	-2.939	5.000	17.80	15.708	-2.092
1.023	0.885	-4.045	5.000	17.70	14.539	-3.161
1.024	0.921	-4.755	5.000	17.60	13.765	-3.835
1.025	0.958	-5.000	5.000	17.50	13.457	-4.043
1.026	0.994	-4.755	5.000	17.40	13.638	-3.762
1.027	1.030	-4.045	5.000	17.30	14.284	-3.016
1.028	1.065	-2.939	5.000	17.20	15.326	-1.874
1.029	1.101	-1.545	5.000	17.10	16.655	-0.445
1.03	1.136	0.000	5.000	17.00	18.135	1.135
1.031	1.171	1.545	5.000	16.90	19.615	2.715
1.032	1.205	2.939	5.000	16.80	20.943	4.143
1.033	1.240	4.045	5.000	16.70	21.984	5.284
1.034	1.274	4.755	5.000	16.60	22.628	6.028
1.035	1.307	5.000	5.000	16.50	22.806	6.306
1.036	1.340	4.755	5.000	16.40	22.495	6.095
1.037	1.373	4.045	5.000	16.30	21.718	5.418
1.038	1.406	2.939	5.000	16.20	20.544	4.344
1.039	1.438	1.545	5.000	16.10	19.083	2.983
1.04	1.470	0.000	5.000	16.00	17.469	1.469
1.041	1.502	-1.545	5.000	15.90	15.856	-0.044
1.042	1.533	-2.939	5.000	15.80	14.393	-1.407
1.043	1.564	-4.045	5.000	15.70	13.218	-2.482
1.044	1.594	-4.755	5.000	15.60	12.438	-3.162
1.045	1.624	-5.000	5.000	15.50	12.124	-3.376
1.046	1.654	-4.755	5.000	15.40	12.298	-3.102
1.047	1.683	-4.045	5.000	15.30	12.938	-2.363
1.048	1.712	-2.939	5.000	15.20	13.973	-1.228
1.049	1.740	-1.545	5.000	15.10	15.295	0.195
1.05	1.768	0.000	5.000	15.00	16.768	1.768
1.051	1.796	1.545	5.000	14.90	18.240	3.340
1.052	1.823	2.939	5.000	14.80	19.561	4.761
1.053	1.850	4.045	5.000	14.70	20.594	5.894
1.054	1.876	4.755	5.000	14.60	21.231	6.631
1.055	1.902	5.000	5.000	14.50	21.401	6.901
1.056	1.927	4.755	5.000	14.40	21.082	6.682
1.057	1.952	4.045	5.000	14.30	20.296	5.996
1.058	1.976	2.939	5.000	14.20	19.114	4.914
1.059	2.000	1.545	5.000	14.10	17.644	3.544
1.06	2.023	0.000	5.000	14.00	16.023	2.023
1.061	2.046	-1.545	5.000	13.90	14.400	0.500
1.062	2.068	-2.939	5.000	13.80	12.929	-0.871
1.063	2.090	-4.045	5.000	13.70	11.744	-1.956
1.064	2.111	-4.755	5.000	13.60	10.956	-2.644
1.065	2.132	-5.000	5.000	13.50	10.632	-2.868
1.066	2.152	-4.755	5.000	13.40	10.797	-2.603
1.067	2.172	-4.045	5.000	13.30	11.427	-1.874
1.068	2.191	-2.939	5.000	13.20	12.452	-0.748
1.069	2.210	-1.545	5.000	13.10	13.764	0.664
1.07	2.228	0.000	5.000	13.00	15.228	2.228
1.071	2.245	1.545	5.000	12.90	16.690	3.790
1.072	2.262	2.939	5.000	12.80	18.001	5.201
1.073	2.279	4.045	5.000	12.70	19.024	6.324
1.074	2.295	4.755	5.000	12.60	19.650	7.050
1.075	2.310	5.000	5.000	12.50	19.810	7.310
1.076	2.325	4.755	5.000	12.40	19.480	7.080
1.077	2.339	4.045	5.000	12.30	18.684	6.384
1.078	2.352	2.939	5.000	12.20	17.491	5.291

Data Repository Item

1.079	2.365	1.545	5.000	12.10	16.010	3.910
1.08	2.378	0.000	5.000	12.00	14.378	2.378
1.081	2.390	-1.545	5.000	11.90	12.744	0.844
1.082	2.401	-2.939	5.000	11.80	11.262	-0.538
1.083	2.412	-4.045	5.000	11.70	10.066	-1.634
1.084	2.422	-4.755	5.000	11.60	9.266	-2.334
1.085	2.431	-5.000	5.000	11.50	8.931	-2.569
1.086	2.440	-4.755	5.000	11.40	9.085	-2.315
1.087	2.448	-4.045	5.000	11.30	9.703	-1.597
1.088	2.456	-2.939	5.000	11.20	10.717	-0.483
1.089	2.463	-1.545	5.000	11.10	12.018	0.918
1.09	2.469	0.000	5.000	11.00	13.469	2.469
1.091	2.475	1.545	5.000	10.90	14.920	4.020
1.092	2.480	2.939	5.000	10.80	16.219	5.419
1.093	2.485	4.045	5.000	10.70	17.230	6.530
1.094	2.489	4.755	5.000	10.60	17.844	7.244
1.095	2.492	5.000	5.000	10.50	17.992	7.492
1.096	2.495	4.755	5.000	10.40	17.650	7.250
1.097	2.497	4.045	5.000	10.30	16.842	6.542
1.098	2.499	2.939	5.000	10.20	15.638	5.438
1.099	2.500	1.545	5.000	10.10	14.145	4.045
1.1	2.500	0.000	5.000	10.00	12.500	2.500
1.101	2.500	-1.545	5.000	9.90	10.855	0.955
1.102	2.499	-2.939	5.000	9.80	9.360	-0.440
1.103	2.497	-4.045	5.000	9.70	8.152	-1.548
1.104	2.495	-4.755	5.000	9.60	7.340	-2.260
1.105	2.492	-5.000	5.000	9.50	6.992	-2.508
1.106	2.489	-4.755	5.000	9.40	7.134	-2.266
1.107	2.485	-4.045	5.000	9.30	7.740	-1.560
1.108	2.480	-2.939	5.000	9.20	8.741	-0.459
1.109	2.475	-1.545	5.000	9.10	10.030	0.930
1.11	2.469	0.000	5.000	9.00	11.469	2.469
1.111	2.463	1.545	5.000	8.90	12.908	4.008
1.112	2.456	2.939	5.000	8.80	14.195	5.395
1.113	2.448	4.045	5.000	8.70	15.193	6.493
1.114	2.440	4.755	5.000	8.60	15.795	7.195
1.115	2.431	5.000	5.000	8.50	15.931	7.431
1.116	2.421	4.755	5.000	8.40	15.577	7.177
1.117	2.411	4.045	5.000	8.30	14.757	6.456
1.118	2.401	2.939	5.000	8.20	13.540	5.340
1.119	2.389	1.545	5.000	8.10	12.035	3.935
1.12	2.377	0.000	5.000	8.00	10.378	2.378
1.121	2.365	-1.545	5.000	7.90	8.720	0.820
1.122	2.352	-2.939	5.000	7.80	7.213	-0.587
1.123	2.338	-4.045	5.000	7.70	5.994	-1.706
1.124	2.324	-4.755	5.000	7.60	5.169	-2.431
1.125	2.310	-5.000	5.000	7.50	4.810	-2.690
1.126	2.294	-4.755	5.000	7.40	4.939	-2.461
1.127	2.278	-4.045	5.000	7.30	5.533	-1.767
1.128	2.262	-2.939	5.000	7.20	6.523	-0.677
1.129	2.245	-1.545	5.000	7.10	7.800	0.700
1.13	2.227	0.000	5.000	7.00	9.228	2.228
1.131	2.209	1.545	5.000	6.90	10.655	3.755
1.132	2.191	2.939	5.000	6.80	11.930	5.130
1.133	2.171	4.045	5.000	6.70	12.917	6.217
1.134	2.152	4.755	5.000	6.60	13.507	6.907
1.135	2.131	5.000	5.000	6.50	13.632	7.132
1.136	2.111	4.755	5.000	6.40	13.266	6.866
1.137	2.089	4.045	5.000	6.30	12.435	6.135
1.138	2.067	2.939	5.000	6.20	11.207	5.007
1.139	2.045	1.545	5.000	6.10	9.690	3.590
1.14	2.022	0.000	5.000	6.00	8.023	2.023
1.141	1.999	-1.545	5.000	5.90	6.354	0.454
1.142	1.975	-2.939	5.000	5.80	4.836	-0.964

Data Repository Item

1.143	1.951	-4.045	5.000	5.70	3.606	-2.094
1.144	1.926	-4.755	5.000	5.60	2.771	-2.829
1.145	1.901	-5.000	5.000	5.50	2.401	-3.099
1.146	1.875	-4.755	5.000	5.40	2.520	-2.880
1.147	1.849	-4.045	5.000	5.30	3.104	-2.196
1.148	1.822	-2.939	5.000	5.20	4.084	-1.117
1.149	1.795	-1.545	5.000	5.10	5.350	0.250
1.15	1.768	0.000	5.000	5.00	6.768	1.768
1.151	1.740	1.545	5.000	4.90	8.185	3.285
1.152	1.711	2.939	5.000	4.80	9.450	4.650
1.153	1.682	4.045	5.000	4.70	10.428	5.728
1.154	1.653	4.755	5.000	4.60	11.009	6.409
1.155	1.623	5.000	5.000	4.50	11.124	6.624
1.156	1.593	4.755	5.000	4.40	10.749	6.349
1.157	1.563	4.045	5.000	4.30	9.908	5.608
1.158	1.532	2.939	5.000	4.20	8.671	4.471
1.159	1.501	1.545	5.000	4.10	7.146	3.046
1.16	1.469	0.000	5.000	4.00	5.469	1.469
1.161	1.437	-1.545	5.000	3.90	3.792	-0.108
1.162	1.405	-2.939	5.000	3.80	2.266	-1.534
1.163	1.372	-4.045	5.000	3.70	1.027	-2.673
1.164	1.339	-4.755	5.000	3.60	0.184	-3.416
1.165	1.306	-5.000	5.000	3.50	-0.194	-3.694
1.166	1.272	-4.755	5.000	3.40	-0.083	-3.483
1.167	1.238	-4.045	5.000	3.30	0.494	-2.806
1.168	1.204	-2.939	5.000	3.20	1.465	-1.735
1.169	1.170	-1.545	5.000	3.10	2.725	-0.375
1.17	1.135	0.000	5.000	3.00	4.135	1.135
1.171	1.100	1.545	5.000	2.90	5.545	2.645
1.172	1.064	2.939	5.000	2.80	6.803	4.003
1.173	1.029	4.045	5.000	2.70	7.774	5.074
1.174	0.993	4.755	5.000	2.60	8.348	5.748
1.175	0.957	5.000	5.000	2.50	8.457	5.957
1.176	0.920	4.755	5.000	2.40	8.076	5.676
1.177	0.884	4.045	5.000	2.30	7.229	4.929
1.178	0.847	2.939	5.000	2.20	5.986	3.786
1.179	0.810	1.545	5.000	2.10	4.455	2.355
1.18	0.772	0.000	5.000	2.00	2.773	0.773
1.181	0.735	-1.545	5.000	1.90	1.090	-0.810
1.182	0.697	-2.939	5.000	1.80	-0.441	-2.241
1.183	0.660	-4.045	5.000	1.70	-1.685	-3.385
1.184	0.622	-4.755	5.000	1.60	-2.534	-4.134
1.185	0.584	-5.000	5.000	1.50	-2.916	-4.416
1.186	0.545	-4.755	5.000	1.40	-2.810	-4.210
1.187	0.507	-4.045	5.000	1.30	-2.238	-3.538
1.188	0.468	-2.939	5.000	1.20	-1.270	-2.470
1.189	0.430	-1.545	5.000	1.10	-0.015	-1.115
1.19	0.391	0.000	5.000	1.00	1.391	0.391
1.191	0.352	1.545	5.000	0.90	2.797	1.897
1.192	0.313	2.939	5.000	0.80	4.052	3.252
1.193	0.274	4.045	5.000	0.70	5.019	4.319
1.194	0.235	4.755	5.000	0.60	5.591	4.991
1.195	0.196	5.000	5.000	0.50	5.696	5.196
1.196	0.157	4.755	5.000	0.40	5.312	4.912
1.197	0.118	4.045	5.000	0.30	4.463	4.163
1.198	0.079	2.939	5.000	0.20	3.217	3.017
1.199	0.039	1.545	5.000	0.10	1.684	1.584
1.200	0.000	0.000	5.000	0.00	0.000	0.000

Data Repository Item

TABLE DR3. TIME-DOMAIN OUTPUT OF MODEL RUN SIN 1

Time (m.y. before run end)	Bulk resampled (vol% mud)	Bulk detrended (vol% mud)	LP component (vol% mud)	SP component (vol% mud)	Demodulated SP component (vol% mud)
0.000	33.769	-5.146	-2.084	-1.437	3.618
0.001	35.490	-3.403	-2.156	-0.107	4.626
0.002	37.212	-1.661	-2.228	1.510	4.962
0.003	38.933	0.082	-2.298	3.250	5.601
0.004	41.055	2.225	-2.366	4.910	6.044
0.005	43.222	4.413	-2.432	6.265	6.597
0.006	45.389	6.601	-2.497	7.101	7.099
0.007	44.472	5.705	-2.559	7.247	7.598
0.008	42.776	4.030	-2.619	6.599	8.117
0.009	41.081	2.355	-2.677	5.142	8.569
0.010	37.689	-1.015	-2.732	2.963	9.067
0.011	33.564	-5.120	-2.784	0.241	9.474
0.012	29.438	-9.224	-2.833	-2.761	9.923
0.013	26.222	-12.419	-2.879	-5.729	10.285
0.014	23.621	-14.999	-2.922	-8.332	10.666
0.015	21.020	-17.579	-2.961	-10.261	10.984
0.016	20.123	-18.455	-2.997	-11.267	11.289
0.017	20.958	-17.600	-3.030	-11.195	11.561
0.018	21.792	-16.744	-3.058	-9.999	11.793
0.019	23.959	-14.557	-3.083	-7.760	12.020
0.020	28.163	-10.331	-3.104	-4.671	12.189
0.021	32.367	-6.106	-3.122	-1.025	12.371
0.022	36.410	-2.042	-3.135	2.819	12.494
0.023	40.067	1.636	-3.144	6.474	12.633
0.024	43.724	5.314	-3.149	9.564	12.726
0.025	46.680	8.291	-3.150	11.765	12.826
0.026	46.720	8.352	-3.146	12.842	12.900
0.027	46.760	8.413	-3.138	12.671	12.967
0.028	46.479	8.153	-3.127	11.254	13.031
0.029	43.064	4.759	-3.110	8.719	13.073
0.030	39.649	1.365	-3.090	5.309	13.129
0.031	36.234	-2.029	-3.065	1.354	13.156
0.032	32.287	-5.955	-3.036	-2.756	13.203
0.033	28.336	-9.885	-3.003	-6.617	13.222
0.034	24.385	-13.815	-2.966	-9.846	13.259
0.035	23.186	-14.994	-2.925	-12.123	13.276
0.036	22.321	-15.838	-2.880	-13.221	13.299
0.037	21.456	-16.682	-2.831	-13.028	13.316
0.038	23.708	-14.409	-2.778	-11.561	13.326
0.039	26.784	-11.311	-2.721	-8.960	13.343
0.040	29.861	-8.213	-2.660	-5.479	13.343
0.041	33.983	-4.070	-2.596	-1.458	13.358
0.042	38.574	0.542	-2.528	2.710	13.352
0.043	43.165	5.154	-2.457	6.617	13.364
0.044	46.033	8.043	-2.383	9.879	13.359
0.045	47.701	9.732	-2.306	12.176	13.365
0.046	49.369	11.421	-2.225	13.283	13.363
0.047	49.289	11.362	-2.142	13.091	13.363
0.048	47.377	9.471	-2.056	11.617	13.365
0.049	45.465	7.580	-1.968	9.005	13.360
0.050	42.615	4.751	-1.877	5.511	13.367
0.051	38.283	0.440	-1.783	1.476	13.360
0.052	33.950	-3.872	-1.688	-2.703	13.369
0.053	30.098	-7.703	-1.591	-6.618	13.363
0.054	27.441	-10.339	-1.492	-9.884	13.371
0.055	24.783	-12.976	-1.391	-12.182	13.368

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0.056	22.874	-14.864	-1.288	-13.287	13.370
0.057	24.240	-13.477	-1.185	-13.090	13.369
0.058	25.606	-12.090	-1.080	-11.613	13.364
0.059	27.252	-10.423	-0.974	-9.000	13.364
0.060	31.903	-5.751	-0.867	-5.510	13.352
0.061	36.554	-1.079	-0.760	-1.485	13.350
0.062	41.205	3.593	-0.652	2.680	13.334
0.063	44.298	6.707	-0.543	6.576	13.329
0.064	47.368	9.798	-0.434	9.824	13.311
0.065	50.437	12.888	-0.325	12.106	13.300
0.066	50.472	12.944	-0.216	13.200	13.283
0.067	50.108	12.601	-0.108	13.003	13.265
0.068	49.745	12.259	0.001	11.535	13.249
0.069	47.009	9.544	0.109	8.945	13.227
0.070	43.615	6.171	0.216	5.486	13.212
0.071	40.222	2.799	0.323	1.501	13.188
0.072	36.395	-1.007	0.429	-2.621	13.176
0.073	32.366	-5.015	0.534	-6.476	13.154
0.074	28.337	-9.022	0.638	-9.687	13.143
0.075	26.297	-11.042	0.741	-11.942	13.124
0.076	25.689	-11.629	0.843	-13.024	13.111
0.077	25.081	-12.216	0.943	-12.830	13.095
0.078	26.526	-10.750	1.043	-11.382	13.077
0.079	30.189	-7.066	1.140	-8.826	13.064
0.080	33.853	-3.381	1.236	-5.415	13.043
0.081	37.690	0.477	1.330	-1.485	13.030
0.082	41.812	4.620	1.423	2.579	13.007
0.083	45.934	8.763	1.514	6.379	12.993
0.084	49.181	12.031	1.603	9.545	12.969
0.085	50.167	13.038	1.690	11.770	12.951
0.086	51.153	14.046	1.775	12.840	12.926
0.087	51.621	14.535	1.858	12.655	12.901
0.088	49.701	12.635	1.939	11.236	12.876
0.089	47.781	10.736	2.018	8.727	12.845
0.090	45.684	8.660	2.095	5.376	12.820
0.091	41.479	4.476	2.170	1.515	12.787
0.092	37.274	0.292	2.243	-2.479	12.762
0.093	33.069	-3.892	2.313	-6.213	12.730
0.094	30.487	-6.453	2.381	-9.324	12.706
0.095	27.944	-8.975	2.447	-11.510	12.676
0.096	25.401	-11.497	2.511	-12.560	12.651
0.097	26.715	-10.162	2.572	-12.378	12.624
0.098	28.575	-8.281	2.632	-10.986	12.595
0.099	30.434	-6.400	2.689	-8.526	12.570
0.100	34.319	-2.495	2.743	-5.243	12.539
0.101	38.791	1.998	2.796	-1.463	12.516
0.102	43.263	6.492	2.846	2.444	12.486
0.103	46.227	9.477	2.894	6.094	12.463
0.104	48.463	11.734	2.939	9.134	12.433
0.105	50.699	13.991	2.983	11.268	12.408
0.106	51.284	14.596	3.024	12.294	12.378
0.107	50.641	13.974	3.063	12.116	12.348
0.108	49.998	13.352	3.100	10.759	12.318
0.109	48.151	11.526	3.134	8.359	12.283
0.110	44.962	8.358	3.167	5.156	12.252
0.111	41.772	5.190	3.197	1.465	12.216
0.112	38.353	1.792	3.225	-2.349	12.187
0.113	34.547	-1.994	3.251	-5.916	12.153
0.114	30.741	-5.779	3.275	-8.887	12.125
0.115	27.895	-8.604	3.297	-10.974	12.094
0.116	27.627	-8.851	3.317	-11.979	12.066
0.117	27.359	-9.098	3.335	-11.807	12.038
0.118	27.785	-8.651	3.351	-10.480	12.010
0.119	31.589	-4.826	3.365	-8.135	11.985

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0.120	35.392	-1.002	3.377	-5.004	11.956
0.121	39.164	2.792	3.387	-1.398	11.934
0.122	42.516	6.164	3.395	2.329	11.907
0.123	45.867	9.536	3.401	5.812	11.887
0.124	49.218	12.908	3.405	8.714	11.862
0.125	49.756	13.467	3.407	10.752	11.840
0.126	50.203	13.936	3.408	11.734	11.814
0.127	50.651	14.404	3.407	11.567	11.788
0.128	49.071	12.845	3.404	10.275	11.760
0.129	47.183	10.978	3.399	7.987	11.728
0.130	45.295	9.111	3.393	4.933	11.699
0.131	41.837	5.675	3.384	1.413	11.664
0.132	37.904	1.762	3.374	-2.227	11.636
0.133	33.971	-2.150	3.363	-5.632	11.602
0.134	31.183	-4.917	3.350	-8.470	11.575
0.135	28.968	-7.110	3.335	-10.466	11.544
0.136	26.753	-9.304	3.318	-11.430	11.516
0.137	27.019	-9.017	3.300	-11.270	11.488
0.138	29.188	-6.827	3.280	-10.009	11.460
0.139	31.358	-4.637	3.259	-7.773	11.436
0.140	34.368	-1.606	3.237	-4.785	11.411
0.141	38.345	2.392	3.212	-1.341	11.392
0.142	42.322	6.390	3.187	2.222	11.371
0.143	45.428	9.517	3.159	5.556	11.358
0.144	47.014	11.124	3.131	8.335	11.341
0.145	48.600	12.731	3.101	10.292	11.328
0.146	49.545	13.697	3.069	11.237	11.313
0.147	48.699	12.872	3.036	11.083	11.297
0.148	47.852	12.047	3.002	9.848	11.280
0.149	46.632	10.848	2.966	7.657	11.260
0.150	43.490	7.726	2.929	4.726	11.242
0.151	40.347	4.604	2.891	1.344	11.219
0.152	37.188	1.466	2.852	-2.158	11.201
0.153	33.772	-1.928	2.811	-5.437	11.177
0.154	30.357	-5.322	2.769	-8.173	11.159
0.155	26.942	-8.716	2.725	-10.101	11.137
0.156	26.909	-8.728	2.681	-11.034	11.116
0.157	27.013	-8.603	2.635	-10.884	11.095
0.158	27.117	-8.479	2.588	-9.669	11.074
0.159	30.246	-5.329	2.540	-7.510	11.056
0.160	33.865	-1.689	2.491	-4.623	11.036
0.161	37.484	1.952	2.441	-1.290	11.022
0.162	40.508	4.996	2.389	2.160	11.007
0.163	43.343	7.852	2.337	5.390	10.999
0.164	46.178	10.709	2.283	8.085	10.989
0.165	47.218	11.769	2.229	9.984	10.982
0.166	47.328	11.901	2.173	10.902	10.974
0.167	47.438	12.032	2.116	10.754	10.965
0.168	46.320	10.935	2.059	9.556	10.955
0.169	44.229	8.865	2.000	7.429	10.942
0.170	42.138	6.795	1.941	4.581	10.931
0.171	39.293	3.971	1.881	1.292	10.915
0.172	35.555	0.253	1.819	-2.114	10.903
0.173	31.816	-3.464	1.757	-5.305	10.885
0.174	28.790	-6.470	1.694	-7.970	10.872
0.175	27.048	-8.191	1.631	-9.849	10.855
0.176	25.305	-9.912	1.566	-10.759	10.839
0.177	24.593	-10.603	1.501	-10.614	10.821
0.178	26.877	-8.299	1.435	-9.429	10.803
0.179	29.161	-5.994	1.368	-7.323	10.788
0.180	31.650	-3.484	1.301	-4.504	10.771
0.181	35.257	0.145	1.232	-1.249	10.760
0.182	38.865	3.774	1.164	2.122	10.748
0.183	42.347	7.277	1.094	5.278	10.744

Data Repository Item

0.184	43.646	8.596	1.024	7.912	10.737
0.185	44.944	9.916	0.954	9.767	10.735
0.186	46.243	11.235	0.882	10.664	10.732
0.187	45.211	10.224	0.811	10.517	10.728
0.188	44.065	9.100	0.739	9.343	10.723
0.189	42.919	7.975	0.666	7.259	10.715
0.190	39.942	5.018	0.593	4.470	10.708
0.191	36.647	1.745	0.519	1.251	10.697
0.192	33.353	-1.528	0.445	-2.085	10.688
0.193	30.314	-4.546	0.371	-5.210	10.675
0.194	27.360	-7.479	0.296	-7.820	10.664
0.195	24.406	-10.412	0.221	-9.661	10.649
0.196	23.661	-11.136	0.145	-10.556	10.634
0.197	24.101	-10.676	0.070	-10.417	10.618
0.198	24.540	-10.215	-0.006	-9.260	10.599
0.199	26.618	-8.116	-0.083	-7.201	10.584
0.200	30.035	-4.678	-0.159	-4.442	10.566
0.201	33.452	-1.240	-0.236	-1.253	10.556
0.202	36.502	1.831	-0.313	2.053	10.544
0.203	39.102	4.452	-0.390	5.154	10.540
0.204	41.703	7.073	-0.467	7.745	10.536
0.205	43.357	8.749	-0.544	9.576	10.536
0.206	43.247	8.659	-0.622	10.467	10.536
0.207	43.136	8.570	-0.699	10.334	10.537
0.208	42.447	7.901	-0.776	9.190	10.537
0.209	40.003	5.479	-0.854	7.148	10.535
0.210	37.559	3.056	-0.931	4.409	10.535
0.211	34.959	0.477	-1.009	1.241	10.531
0.212	31.454	-3.008	-1.086	-2.046	10.529
0.213	27.948	-6.492	-1.164	-5.130	10.523
0.214	24.548	-9.871	-1.241	-7.709	10.518
0.215	23.322	-11.077	-1.318	-9.531	10.509
0.216	22.095	-12.282	-1.395	-10.420	10.498
0.217	20.868	-13.488	-1.472	-10.288	10.485
0.218	22.980	-11.355	-1.549	-9.150	10.469
0.219	25.283	-9.031	-1.625	-7.118	10.453
0.220	27.586	-6.707	-1.701	-4.394	10.436
0.221	30.827	-3.445	-1.778	-1.244	10.424
0.222	34.241	-0.010	-1.853	2.021	10.411
0.223	37.655	3.425	-1.929	5.083	10.405
0.224	39.402	5.192	-2.004	7.641	10.398
0.225	40.575	6.387	-2.079	9.447	10.396
0.226	41.749	7.582	-2.154	10.325	10.393
0.227	41.208	7.062	-2.228	10.191	10.391
0.228	39.716	5.591	-2.302	9.060	10.390
0.229	38.225	4.121	-2.375	7.044	10.386
0.230	35.693	1.610	-2.449	4.343	10.384
0.231	32.284	-1.778	-2.521	1.220	10.379
0.232	28.875	-5.166	-2.593	-2.018	10.377
0.233	25.903	-8.117	-2.665	-5.055	10.370
0.234	23.484	-10.515	-2.737	-7.594	10.365
0.235	21.064	-12.914	-2.808	-9.389	10.355
0.236	19.712	-14.245	-2.878	-10.265	10.343
0.237	20.420	-13.516	-2.948	-10.137	10.328
0.238	21.129	-12.786	-3.017	-9.021	10.310
0.239	22.454	-11.440	-3.086	-7.026	10.293
0.240	25.731	-8.142	-3.154	-4.348	10.273
0.241	29.007	-4.845	-3.222	-1.252	10.258
0.242	32.174	-1.657	-3.289	1.960	10.242
0.243	34.663	0.853	-3.355	4.973	10.233
0.244	37.153	3.364	-3.421	7.494	10.223
0.245	39.534	5.766	-3.486	9.275	10.219
0.246	39.203	5.456	-3.550	10.145	10.215
0.247	38.873	5.147	-3.614	10.020	10.212

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0.248	38.542	4.837	-3.677	8.913	10.211
0.249	35.921	2.237	-3.740	6.935	10.208
0.250	33.148	-0.516	-3.802	4.280	10.207
0.251	30.375	-3.268	-3.863	1.209	10.204
0.252	27.290	-6.331	-3.923	-1.977	10.205
0.253	24.144	-9.456	-3.982	-4.967	10.201
0.254	20.999	-12.580	-4.041	-7.469	10.199
0.255	19.617	-13.941	-4.099	-9.239	10.193
0.256	18.866	-14.671	-4.156	-10.106	10.185
0.257	18.115	-15.401	-4.213	-9.986	10.172
0.258	19.307	-14.188	-4.268	-8.891	10.157
0.259	21.613	-11.861	-4.323	-6.931	10.140
0.260	23.919	-9.534	-4.377	-4.298	10.122
0.261	26.748	-6.684	-4.430	-1.251	10.107
0.262	30.031	-3.380	-4.482	1.913	10.092
0.263	33.314	-0.076	-4.534	4.884	10.083
0.264	35.630	2.261	-4.584	7.371	10.075
0.265	36.685	3.337	-4.634	9.133	10.071
0.266	37.740	4.413	-4.683	9.997	10.068
0.267	37.839	4.533	-4.730	9.881	10.067
0.268	36.024	2.739	-4.777	8.797	10.068
0.269	34.210	0.946	-4.823	6.851	10.067
0.270	32.037	-1.206	-4.868	4.235	10.071
0.271	28.681	-4.541	-4.912	1.205	10.072
0.272	25.326	-7.875	-4.956	-1.943	10.078
0.273	22.162	-11.018	-4.998	-4.900	10.080
0.274	20.262	-12.897	-5.039	-7.378	10.083
0.275	18.361	-14.777	-5.079	-9.135	10.082
0.276	16.549	-16.568	-5.119	-10.000	10.079
0.277	17.480	-15.616	-5.157	-9.889	10.071
0.278	18.412	-14.663	-5.194	-8.812	10.059
0.279	19.344	-13.710	-5.230	-6.878	10.046
0.280	22.403	-10.630	-5.266	-4.275	10.029
0.281	25.621	-7.391	-5.300	-1.259	10.015
0.282	28.840	-4.151	-5.333	1.875	10.000
0.283	31.388	-1.582	-5.365	4.820	9.991
0.284	33.798	0.849	-5.396	7.288	9.982
0.285	36.209	3.281	-5.426	9.039	9.977
0.286	36.443	3.536	-5.455	9.900	9.973
0.287	35.867	2.981	-5.483	9.790	9.971
0.288	35.291	2.426	-5.510	8.720	9.972
0.289	33.199	0.355	-5.536	6.794	9.972
0.290	30.207	-2.615	-5.560	4.202	9.977
0.291	27.216	-5.586	-5.584	1.198	9.982
0.292	24.346	-8.435	-5.606	-1.925	9.992
0.293	21.583	-11.176	-5.628	-4.862	9.999
0.294	18.821	-13.918	-5.648	-7.326	10.009
0.295	17.081	-15.637	-5.667	-9.077	10.016
0.296	16.716	-15.981	-5.685	-9.942	10.020
0.297	16.351	-16.325	-5.702	-9.838	10.020
0.298	16.882	-15.773	-5.718	-8.775	10.016
0.299	19.266	-13.368	-5.733	-6.856	10.010
0.300	21.650	-10.963	-5.747	-4.268	10.001
0.301	24.231	-8.361	-5.759	-1.264	9.994
0.302	27.491	-5.080	-5.770	1.862	9.986
0.303	30.751	-1.799	-5.780	4.804	9.983
0.304	33.719	1.190	-5.789	7.276	9.979
0.305	34.624	2.116	-5.797	9.034	9.980
0.306	35.528	3.042	-5.804	9.906	9.981
0.307	36.363	3.897	-5.810	9.806	9.984
0.308	34.236	1.791	-5.814	8.744	9.988
0.309	32.109	-0.315	-5.817	6.822	9.994
0.310	29.982	-2.420	-5.819	4.229	10.004
0.311	26.812	-5.569	-5.820	1.217	10.014

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0.312	23.555	-8.806	-5.820	-1.920	10.029
0.313	20.297	-12.043	-5.818	-4.874	10.044
0.314	18.484	-13.834	-5.816	-7.357	10.061
0.315	16.985	-15.312	-5.812	-9.126	10.074
0.316	15.486	-16.790	-5.807	-10.006	10.086
0.317	15.911	-16.344	-5.801	-9.911	10.093
0.318	17.081	-15.154	-5.793	-8.850	10.096
0.319	18.251	-13.963	-5.785	-6.924	10.096
0.320	20.763	-11.430	-5.775	-4.321	10.092
0.321	24.096	-8.076	-5.764	-1.294	10.091
0.322	27.429	-4.722	-5.752	1.861	10.087
0.323	30.255	-1.874	-5.739	4.836	10.089
0.324	32.613	0.504	-5.724	7.339	10.089
0.325	34.970	2.882	-5.708	9.126	10.094
0.326	35.986	3.920	-5.692	10.019	10.099
0.327	35.139	3.094	-5.673	9.930	10.105
0.328	34.292	2.268	-5.654	8.866	10.114
0.329	32.702	0.698	-5.634	6.929	10.124
0.330	29.515	-2.467	-5.612	4.307	10.140
0.331	26.329	-5.633	-5.589	1.254	10.156
0.332	23.290	-8.651	-5.565	-1.932	10.179
0.333	20.786	-11.134	-5.540	-4.939	10.202
0.334	18.282	-13.617	-5.513	-7.472	10.228
0.335	16.063	-15.815	-5.486	-9.283	10.252
0.336	16.011	-15.845	-5.457	-10.192	10.274
0.337	15.960	-15.876	-5.427	-10.109	10.292
0.338	15.950	-15.865	-5.395	-9.038	10.305
0.339	18.596	-13.198	-5.363	-7.082	10.315
0.340	21.241	-10.531	-5.329	-4.429	10.321
0.341	23.887	-7.865	-5.295	-1.338	10.328
0.342	27.189	-4.541	-5.259	1.890	10.333
0.343	30.553	-1.156	-5.222	4.940	10.341
0.344	33.917	2.228	-5.183	7.512	10.347
0.345	35.138	3.470	-5.144	9.353	10.357
0.346	35.869	4.222	-5.103	10.281	10.366
0.347	36.600	4.975	-5.061	10.202	10.376
0.348	35.056	3.452	-5.018	9.120	10.389
0.349	32.598	1.014	-4.974	7.139	10.402
0.350	30.139	-1.424	-4.929	4.450	10.421
0.351	27.181	-4.361	-4.883	1.313	10.442
0.352	23.907	-7.614	-4.835	-1.966	10.470
0.353	20.633	-10.866	-4.786	-5.066	10.499
0.354	18.400	-13.078	-4.737	-7.683	10.532
0.355	17.161	-14.296	-4.686	-9.560	10.564
0.356	15.922	-15.514	-4.634	-10.509	10.596
0.357	15.816	-15.599	-4.581	-10.435	10.623
0.358	17.336	-14.059	-4.526	-9.341	10.646
0.359	18.855	-12.519	-4.471	-7.328	10.666
0.360	21.038	-10.315	-4.415	-4.592	10.681
0.361	24.698	-6.633	-4.357	-1.396	10.697
0.362	28.359	-2.951	-4.298	1.948	10.711
0.363	31.734	0.445	-4.239	5.112	10.727
0.364	34.030	2.762	-4.178	7.787	10.741
0.365	36.327	5.079	-4.116	9.707	10.757
0.366	38.248	7.021	-4.054	10.681	10.772
0.367	37.089	5.883	-3.990	10.609	10.787
0.368	35.930	4.745	-3.925	9.495	10.802
0.369	34.753	3.589	-3.859	7.443	10.819
0.370	31.287	0.144	-3.793	4.650	10.840
0.371	27.821	-3.301	-3.725	1.388	10.863
0.372	24.355	-6.746	-3.656	-2.025	10.894
0.373	21.830	-9.250	-3.586	-5.256	10.927
0.374	19.401	-11.657	-3.516	-7.987	10.964
0.375	16.973	-14.065	-3.444	-9.949	11.001

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0.376	16.713	-14.303	-3.371	-10.945	11.036
0.377	16.975	-14.020	-3.298	-10.875	11.068
0.378	17.237	-13.737	-3.224	-9.741	11.096
0.379	19.535	-11.419	-3.148	-7.649	11.120
0.380	22.683	-8.249	-3.072	-4.800	11.140
0.381	25.831	-5.080	-2.995	-1.471	11.161
0.382	29.205	-1.686	-2.918	2.016	11.178
0.383	32.727	1.857	-2.839	5.318	11.198
0.384	36.248	5.400	-2.760	8.113	11.215
0.385	38.240	7.412	-2.680	10.124	11.234
0.386	38.724	7.918	-2.599	11.150	11.250
0.387	39.209	8.424	-2.517	11.087	11.265
0.388	38.358	7.593	-2.434	9.935	11.281
0.389	35.527	4.784	-2.351	7.804	11.297
0.390	32.697	1.974	-2.267	4.897	11.317
0.391	29.678	-1.023	-2.183	1.495	11.341
0.392	26.228	-4.453	-2.098	-2.069	11.372
0.393	22.777	-7.883	-2.012	-5.448	11.405
0.394	19.806	-10.832	-1.925	-8.308	11.445
0.395	18.738	-11.879	-1.838	-10.369	11.484
0.396	17.671	-12.926	-1.750	-11.422	11.522
0.397	16.916	-13.660	-1.662	-11.362	11.557
0.398	18.954	-11.601	-1.573	-10.189	11.588
0.399	20.992	-9.541	-1.484	-8.012	11.616
0.400	23.030	-7.482	-1.394	-5.042	11.638
0.401	27.119	-3.372	-1.304	-1.566	11.661
0.402	31.209	0.738	-1.213	2.078	11.680
0.403	35.298	4.849	-1.122	5.531	11.701
0.404	37.613	7.185	-1.030	8.455	11.717
0.405	39.730	9.323	-0.938	10.560	11.734
0.406	41.847	11.460	-0.845	11.637	11.747
0.407	41.088	10.723	-0.753	11.577	11.757
0.408	39.605	9.260	-0.660	10.381	11.766
0.409	38.121	7.798	-0.566	8.163	11.774
0.410	35.022	4.720	-0.473	5.137	11.786
0.411	31.224	0.943	-0.379	1.597	11.800
0.412	27.426	-2.834	-0.285	-2.111	11.822
0.413	24.417	-5.822	-0.190	-5.625	11.847
0.414	21.941	-8.278	-0.096	-8.598	11.878
0.415	19.465	-10.733	-0.001	-10.739	11.910
0.416	18.535	-11.641	0.094	-11.834	11.941
0.417	19.176	-10.979	0.189	-11.773	11.970
0.418	19.817	-10.317	0.283	-10.559	11.995
0.419	21.699	-8.414	0.378	-8.307	12.018
0.420	25.477	-4.615	0.473	-5.235	12.036
0.421	29.256	-0.815	0.568	-1.641	12.055
0.422	32.942	2.892	0.663	2.123	12.070
0.423	36.408	6.379	0.758	5.690	12.086
0.424	39.875	9.866	0.853	8.709	12.099
0.425	42.694	12.706	0.948	10.884	12.110
0.426	42.819	12.853	1.042	11.998	12.116
0.427	42.945	13.000	1.136	11.941	12.118
0.428	42.771	12.847	1.231	10.714	12.118
0.429	39.680	9.777	1.325	8.436	12.116
0.430	36.589	6.707	1.418	5.328	12.117
0.431	33.498	3.637	1.512	1.694	12.119
0.432	29.835	-0.005	1.605	-2.112	12.129
0.433	26.167	-3.652	1.698	-5.716	12.141
0.434	22.499	-7.299	1.790	-8.765	12.160
0.435	21.293	-8.484	1.882	-10.960	12.179
0.436	20.387	-9.369	1.974	-12.082	12.199
0.437	19.481	-10.254	2.065	-12.023	12.216
0.438	21.404	-8.310	2.156	-10.785	12.229
0.439	24.076	-5.617	2.246	-8.490	12.241

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0.440	26.748	-2.924	2.335	-5.361	12.248
0.441	30.506	0.854	2.425	-1.704	12.257
0.442	34.751	5.121	2.513	2.123	12.262
0.443	38.996	9.387	2.601	5.745	12.269
0.444	41.716	12.128	2.689	8.809	12.271
0.445	43.371	13.804	2.776	11.013	12.271
0.446	45.027	15.481	2.862	12.141	12.266
0.447	45.041	15.516	2.947	12.084	12.257
0.448	43.334	13.830	3.032	10.846	12.243
0.449	41.627	12.144	3.116	8.548	12.226
0.450	39.051	9.589	3.199	5.417	12.212
0.451	35.103	5.662	3.281	1.758	12.198
0.452	31.155	1.735	3.363	-2.070	12.192
0.453	27.619	-1.781	3.444	-5.691	12.188
0.454	25.106	-4.272	3.524	-8.751	12.191
0.455	22.594	-6.763	3.603	-10.950	12.193
0.456	20.752	-8.584	3.681	-12.074	12.197
0.457	21.844	-7.471	3.758	-12.014	12.199
0.458	22.935	-6.359	3.835	-10.776	12.197
0.459	24.289	-4.984	3.910	-8.485	12.194
0.460	28.461	-0.791	3.984	-5.365	12.188
0.461	32.633	3.402	4.058	-1.724	12.183
0.462	36.804	7.594	4.130	2.080	12.175
0.463	39.760	10.571	4.202	5.675	12.169
0.464	42.696	13.528	4.272	8.710	12.158
0.465	45.633	16.486	4.341	10.888	12.145
0.466	45.731	16.605	4.409	11.999	12.126
0.467	45.455	16.350	4.476	11.937	12.102
0.468	45.180	16.096	4.542	10.710	12.073
0.469	42.740	13.677	4.607	8.443	12.040
0.470	39.701	10.659	4.670	5.360	12.008
0.471	36.662	7.641	4.733	1.765	11.977
0.472	33.171	4.171	4.794	-1.989	11.952
0.473	29.470	0.491	4.854	-5.534	11.931
0.474	25.770	-3.188	4.913	-8.525	11.915
0.475	23.821	-5.116	4.970	-10.670	11.901
0.476	23.135	-5.781	5.027	-11.763	11.888
0.477	22.448	-6.447	5.082	-11.700	11.874
0.478	23.622	-5.252	5.136	-10.493	11.858
0.479	26.806	-2.047	5.188	-8.263	11.842
0.480	29.990	1.158	5.239	-5.231	11.825
0.481	33.419	4.608	5.289	-1.699	11.809
0.482	37.246	8.456	5.338	1.989	11.792
0.483	41.073	12.304	5.385	5.470	11.778
0.484	44.099	15.351	5.431	8.406	11.760
0.485	45.055	16.328	5.476	10.512	11.740
0.486	46.011	17.305	5.519	11.586	11.714
0.487	46.497	17.812	5.561	11.528	11.682
0.488	44.816	16.152	5.602	10.349	11.645
0.489	43.136	14.493	5.641	8.168	11.604
0.490	41.293	12.671	5.679	5.203	11.562
0.491	37.517	8.916	5.715	1.747	11.521
0.492	33.742	5.162	5.750	-1.860	11.484
0.493	29.966	1.407	5.784	-5.264	11.450
0.494	27.541	-0.996	5.816	-8.134	11.422
0.495	25.149	-3.368	5.847	-10.192	11.394
0.496	22.757	-5.739	5.877	-11.241	11.368
0.497	23.786	-4.689	5.905	-11.183	11.341
0.498	25.300	-3.154	5.931	-10.031	11.312
0.499	26.814	-1.619	5.957	-7.903	11.284
0.500	30.269	1.857	5.980	-5.013	11.255
0.501	34.288	5.897	6.003	-1.647	11.229
0.502	38.307	9.937	6.024	1.862	11.203
0.503	41.014	12.665	6.043	5.172	11.181

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0.504	43.089	14.761	6.062	7.961	11.157
0.505	45.163	16.857	6.078	9.959	11.131
0.506	45.746	17.460	6.094	10.977	11.101
0.507	45.219	16.954	6.108	10.922	11.065
0.508	44.692	16.449	6.120	9.804	11.025
0.509	43.097	14.874	6.131	7.739	10.980
0.510	40.309	12.107	6.141	4.933	10.936
0.511	37.522	9.341	6.150	1.665	10.892
0.512	34.489	6.329	6.157	-1.744	10.853
0.513	31.041	2.902	6.162	-4.960	10.817
0.514	27.593	-0.525	6.166	-7.672	10.786
0.515	24.975	-3.121	6.169	-9.615	10.756
0.516	24.588	-3.488	6.171	-10.606	10.728
0.517	24.200	-3.854	6.171	-10.552	10.700
0.518	24.442	-3.592	6.169	-9.465	10.671
0.519	27.742	-0.271	6.167	-7.457	10.643
0.520	31.042	3.050	6.163	-4.729	10.614
0.521	34.326	6.355	6.158	-1.552	10.590
0.522	37.388	9.438	6.151	1.760	10.567
0.523	40.450	12.521	6.143	4.883	10.547
0.524	43.512	15.604	6.134	7.515	10.525
0.525	44.008	16.121	6.123	9.400	10.503
0.526	44.421	16.556	6.111	10.360	10.476
0.527	44.835	16.990	6.098	10.308	10.443
0.528	43.498	15.674	6.083	9.253	10.406
0.529	41.896	14.093	6.068	7.306	10.363
0.530	40.293	12.512	6.051	4.661	10.320
0.531	37.268	9.508	6.033	1.581	10.276
0.532	33.813	6.073	6.013	-1.631	10.237
0.533	30.357	2.638	5.993	-4.662	10.199
0.534	27.825	0.128	5.971	-7.217	10.166
0.535	25.756	-1.921	5.948	-9.050	10.134
0.536	23.687	-3.969	5.923	-9.985	10.103
0.537	23.791	-3.843	5.898	-9.937	10.073
0.538	25.564	-2.050	5.871	-8.917	10.042
0.539	27.336	-0.256	5.844	-7.029	10.014
0.540	29.929	2.357	5.815	-4.462	9.986
0.541	33.464	5.914	5.785	-1.472	9.964
0.542	37.000	9.470	5.754	1.649	9.944
0.543	39.750	12.241	5.722	4.595	9.930
0.544	41.128	13.640	5.688	7.080	9.916
0.545	42.506	15.039	5.654	8.864	9.902
0.546	43.348	15.902	5.619	9.777	9.885
0.547	42.691	15.266	5.583	9.735	9.864
0.548	42.034	14.631	5.545	8.745	9.839
0.549	41.050	13.667	5.507	6.910	9.809
0.550	38.379	11.017	5.468	4.410	9.780
0.551	35.708	8.367	5.427	1.494	9.749
0.552	33.014	5.694	5.386	-1.554	9.723
0.553	29.973	2.674	5.344	-4.436	9.697
0.554	26.932	-0.345	5.301	-6.871	9.676
0.555	23.892	-3.365	5.257	-8.622	9.655
0.556	23.722	-3.513	5.212	-9.522	9.635
0.557	23.668	-3.546	5.167	-9.485	9.614
0.558	23.614	-3.579	5.120	-8.519	9.593
0.559	26.276	-0.896	5.073	-6.722	9.573
0.560	29.379	2.227	5.025	-4.271	9.554
0.561	32.481	5.350	4.976	-1.411	9.540
0.562	35.140	8.031	4.926	1.580	9.528
0.563	37.660	10.571	4.876	4.407	9.522
0.564	40.180	13.112	4.825	6.796	9.515
0.565	41.121	14.074	4.773	8.515	9.510
0.566	41.245	14.220	4.720	9.398	9.501
0.567	41.370	14.365	4.667	9.363	9.488

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0.568	40.463	13.480	4.613	8.416	9.470
0.569	38.740	11.778	4.559	6.652	9.448
0.570	37.018	10.076	4.503	4.248	9.425
0.571	34.606	7.685	4.448	1.438	9.401
0.572	31.376	4.476	4.391	-1.500	9.380
0.573	28.146	1.267	4.335	-4.281	9.360
0.574	25.488	-1.369	4.277	-6.632	9.342
0.575	23.864	-2.973	4.219	-8.325	9.325
0.576	22.239	-4.576	4.161	-9.197	9.307
0.577	21.507	-5.288	4.102	-9.165	9.288
0.578	23.369	-3.404	4.042	-8.234	9.268
0.579	25.232	-1.520	3.982	-6.499	9.250
0.580	27.292	0.561	3.922	-4.132	9.232
0.581	30.429	3.719	3.861	-1.367	9.220
0.582	33.566	6.877	3.800	1.526	9.210
0.583	36.594	9.926	3.738	4.263	9.207
0.584	37.724	11.076	3.676	6.576	9.204
0.585	38.853	12.227	3.614	8.242	9.203
0.586	39.982	13.377	3.551	9.100	9.198
0.587	39.190	12.606	3.488	9.068	9.191
0.588	38.305	11.742	3.425	8.153	9.179
0.589	37.419	10.877	3.362	6.446	9.164
0.590	34.934	8.412	3.298	4.116	9.147
0.591	32.171	5.671	3.234	1.392	9.129
0.592	29.409	2.930	3.169	-1.459	9.115
0.593	26.761	0.303	3.105	-4.160	9.100
0.594	24.150	-2.287	3.040	-6.446	9.088
0.595	21.540	-4.877	2.975	-8.097	9.075
0.596	20.794	-5.602	2.910	-8.952	9.062
0.597	21.047	-5.328	2.845	-8.929	9.046
0.598	21.300	-5.054	2.780	-8.033	9.029
0.599	23.002	-3.330	2.714	-6.353	9.014
0.600	25.889	-0.423	2.648	-4.054	8.999
0.601	28.775	2.485	2.583	-1.362	8.989
0.602	31.388	5.119	2.517	1.458	8.983
0.603	33.665	7.417	2.451	4.132	8.983
0.604	35.943	9.715	2.385	6.399	8.984
0.605	37.412	11.205	2.319	8.037	8.988
0.606	37.372	11.186	2.253	8.889	8.989
0.607	37.332	11.168	2.188	8.871	8.987
0.608	36.808	10.665	2.122	7.987	8.981
0.609	34.819	8.697	2.056	6.324	8.972
0.610	32.829	6.728	1.990	4.047	8.963
0.611	30.689	4.608	1.924	1.378	8.953
0.612	27.672	1.613	1.858	-1.421	8.945
0.613	24.656	-1.382	1.793	-4.076	8.936
0.614	21.726	-4.291	1.727	-6.328	8.930
0.615	20.566	-5.430	1.662	-7.956	8.921
0.616	19.406	-6.569	1.596	-8.802	8.911
0.617	18.246	-7.708	1.531	-8.784	8.898
0.618	19.961	-5.973	1.466	-7.905	8.882
0.619	21.840	-4.072	1.401	-6.253	8.867
0.620	23.720	-2.171	1.336	-3.991	8.852
0.621	26.481	0.611	1.272	-1.342	8.843
0.622	29.404	3.555	1.207	1.434	8.835
0.623	32.327	6.498	1.143	4.064	8.833
0.624	33.862	8.055	1.079	6.293	8.832
0.625	34.921	9.135	1.016	7.901	8.833
0.626	35.980	10.215	0.952	8.734	8.831
0.627	35.589	9.845	0.889	8.712	8.828
0.628	34.396	8.672	0.826	7.839	8.821
0.629	33.202	7.500	0.763	6.202	8.811
0.630	31.104	5.423	0.701	3.964	8.801
0.631	28.244	2.584	0.639	1.343	8.789

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0.632	25.385	-0.255	0.577	-1.403	8.781
0.633	22.843	-2.775	0.516	-4.006	8.771
0.634	20.703	-4.895	0.455	-6.212	8.763
0.635	18.562	-7.014	0.394	-7.805	8.753
0.636	17.322	-8.233	0.334	-8.633	8.741
0.637	17.821	-7.713	0.274	-8.615	8.725
0.638	18.320	-7.194	0.215	-7.754	8.708
0.639	19.357	-6.135	0.155	-6.138	8.690
0.640	22.098	-3.373	0.097	-3.924	8.673
0.641	24.839	-0.611	0.038	-1.332	8.660
0.642	27.499	2.069	-0.020	1.385	8.649
0.643	29.656	4.248	-0.077	3.961	8.644
0.644	31.814	6.427	-0.134	6.143	8.640
0.645	33.879	8.513	-0.190	7.720	8.639
0.646	33.659	8.314	-0.246	8.539	8.636
0.647	33.439	8.115	-0.302	8.520	8.631
0.648	33.219	7.915	-0.357	7.669	8.624
0.649	31.075	5.793	-0.411	6.069	8.615
0.650	28.805	3.544	-0.465	3.880	8.606
0.651	26.535	1.295	-0.519	1.315	8.597
0.652	23.902	-1.317	-0.572	-1.372	8.590
0.653	21.199	-3.999	-0.624	-3.920	8.582
0.654	18.496	-6.681	-0.676	-6.079	8.576
0.655	17.242	-7.914	-0.727	-7.640	8.567
0.656	16.507	-8.628	-0.778	-8.451	8.557
0.657	15.772	-9.342	-0.828	-8.435	8.543
0.658	16.696	-8.397	-0.877	-7.594	8.527
0.659	18.571	-6.501	-0.926	-6.013	8.510
0.660	20.446	-4.605	-0.974	-3.847	8.493
0.661	22.802	-2.228	-1.021	-1.310	8.480
0.662	25.578	0.569	-1.068	1.350	8.469
0.663	28.354	3.365	-1.114	3.872	8.464
0.664	30.331	5.364	-1.160	6.010	8.460
0.665	31.269	6.323	-1.205	7.556	8.459
0.666	32.206	7.281	-1.249	8.360	8.456
0.667	32.347	7.443	-1.292	8.345	8.453
0.668	30.895	6.012	-1.335	7.513	8.448
0.669	29.442	4.580	-1.377	5.948	8.441
0.670	27.675	2.834	-1.418	3.804	8.435
0.671	24.867	0.047	-1.459	1.291	8.429
0.672	22.058	-2.741	-1.499	-1.345	8.425
0.673	19.399	-5.379	-1.538	-3.846	8.421
0.674	17.723	-7.034	-1.576	-5.966	8.418
0.675	16.046	-8.690	-1.614	-7.501	8.413
0.676	14.442	-10.273	-1.651	-8.301	8.405
0.677	15.133	-9.561	-1.687	-8.288	8.394
0.678	15.823	-8.850	-1.722	-7.466	8.379
0.679	16.514	-8.138	-1.756	-5.916	8.364
0.680	19.035	-5.596	-1.790	-3.791	8.347
0.681	21.694	-2.916	-1.823	-1.300	8.334
0.682	24.352	-0.237	-1.855	1.312	8.322
0.683	26.505	1.937	-1.886	3.790	8.315
0.684	28.554	4.007	-1.916	5.892	8.309
0.685	30.603	6.077	-1.946	7.413	8.306
0.686	30.853	6.348	-1.975	8.206	8.302
0.687	30.433	5.949	-2.003	8.193	8.297
0.688	30.013	5.550	-2.030	7.379	8.292
0.689	28.327	3.885	-2.056	5.843	8.285
0.690	25.892	1.471	-2.081	3.738	8.281
0.691	23.457	-0.943	-2.106	1.269	8.276
0.692	21.066	-3.313	-2.129	-1.321	8.276
0.693	18.715	-5.643	-2.152	-3.780	8.275
0.694	16.364	-7.973	-2.174	-5.868	8.277
0.695	14.848	-9.468	-2.195	-7.380	8.276

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0.696	14.454	-9.841	-2.215	-8.171	8.274
0.697	14.060	-10.214	-2.234	-8.164	8.268
0.698	14.417	-9.836	-2.252	-7.359	8.259
0.699	16.329	-7.903	-2.269	-5.837	8.250
0.700	18.241	-5.970	-2.286	-3.745	8.239
0.701	20.329	-3.861	-2.302	-1.290	8.231
0.702	23.025	-1.143	-2.316	1.288	8.224
0.703	25.722	1.574	-2.330	3.738	8.222
0.704	28.183	4.057	-2.343	5.821	8.220
0.705	28.984	4.878	-2.355	7.331	8.221
0.706	29.784	5.699	-2.366	8.123	8.220
0.707	30.526	6.462	-2.376	8.119	8.220
0.708	28.843	4.800	-2.385	7.319	8.218
0.709	27.159	3.137	-2.393	5.803	8.216
0.710	25.475	1.475	-2.401	3.719	8.216
0.711	22.862	-1.118	-2.407	1.270	8.216
0.712	20.169	-3.789	-2.413	-1.303	8.220
0.713	17.477	-6.460	-2.417	-3.749	8.224
0.714	15.918	-7.999	-2.421	-5.829	8.231
0.715	14.604	-9.292	-2.424	-7.340	8.235
0.716	13.290	-10.585	-2.426	-8.135	8.238
0.717	13.557	-10.297	-2.427	-8.135	8.237
0.718	14.435	-9.398	-2.426	-7.340	8.234
0.719	15.313	-8.498	-2.426	-5.829	8.229
0.720	17.315	-6.476	-2.424	-3.749	8.222
0.721	20.005	-3.765	-2.421	-1.303	8.218
0.722	22.694	-1.055	-2.417	1.271	8.214
0.723	25.008	1.280	-2.412	3.719	8.215
0.724	26.973	3.266	-2.407	5.804	8.215
0.725	28.939	5.253	-2.400	7.321	8.219
0.726	29.819	6.154	-2.393	8.121	8.221
0.727	29.192	5.548	-2.384	8.125	8.223
0.728	28.565	4.942	-2.375	7.334	8.225
0.729	27.324	3.722	-2.365	5.823	8.227
0.730	24.764	1.184	-2.354	3.739	8.231
0.731	22.205	-1.355	-2.342	1.287	8.236
0.732	19.746	-3.792	-2.329	-1.295	8.246
0.733	17.650	-5.867	-2.315	-3.755	8.256
0.734	15.555	-7.942	-2.300	-5.851	8.269
0.735	13.688	-9.788	-2.284	-7.378	8.281
0.736	13.561	-9.894	-2.268	-8.186	8.291
0.737	13.434	-9.999	-2.250	-8.196	8.298
0.738	13.342	-10.071	-2.231	-7.404	8.302
0.739	15.413	-7.979	-2.212	-5.888	8.305
0.740	17.483	-5.887	-2.192	-3.794	8.305
0.741	19.554	-3.795	-2.171	-1.327	8.307
0.742	22.221	-1.107	-2.149	1.273	8.309
0.743	24.944	1.636	-2.126	3.752	8.314
0.744	27.666	4.380	-2.102	5.866	8.319
0.745	28.698	5.433	-2.077	7.408	8.326
0.746	29.344	6.100	-2.052	8.227	8.332
0.747	29.990	6.767	-2.025	8.241	8.337
0.748	28.806	5.603	-1.998	7.447	8.342
0.749	26.885	3.703	-1.969	5.921	8.346
0.750	24.964	1.803	-1.940	3.812	8.354
0.751	22.596	-0.543	-1.910	1.325	8.362
0.752	19.946	-3.173	-1.880	-1.299	8.376
0.753	17.295	-5.803	-1.848	-3.801	8.390
0.754	15.451	-7.626	-1.815	-5.939	8.408
0.755	14.377	-8.679	-1.782	-7.500	8.425
0.756	13.302	-9.732	-1.748	-8.333	8.441
0.757	13.132	-9.881	-1.713	-8.352	8.455
0.758	14.259	-8.734	-1.677	-7.555	8.466
0.759	15.386	-7.586	-1.640	-6.016	8.475

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0.760	17.055	-5.895	-1.603	-3.885	8.482
0.761	19.934	-2.996	-1.565	-1.368	8.491
0.762	22.812	-0.097	-1.525	1.289	8.499
0.763	25.482	2.595	-1.486	3.826	8.510
0.764	27.367	4.500	-1.445	5.995	8.519
0.765	29.252	6.406	-1.404	7.582	8.530
0.766	30.838	8.014	-1.361	8.429	8.539
0.767	29.975	7.171	-1.318	8.452	8.548
0.768	29.111	6.328	-1.275	7.646	8.555
0.769	28.232	5.471	-1.230	6.088	8.561
0.770	25.507	2.766	-1.185	3.928	8.570
0.771	22.781	0.062	-1.139	1.377	8.580
0.772	20.056	-2.643	-1.093	-1.316	8.595
0.773	18.003	-4.675	-1.045	-3.888	8.611
0.774	16.019	-6.638	-0.997	-6.087	8.631
0.775	14.035	-8.600	-0.948	-7.695	8.650
0.776	13.745	-8.870	-0.899	-8.555	8.668
0.777	13.862	-8.732	-0.849	-8.580	8.684
0.778	13.979	-8.594	-0.798	-7.765	8.698
0.779	15.701	-6.850	-0.747	-6.188	8.710
0.780	18.095	-4.436	-0.695	-4.001	8.720
0.781	20.488	-2.021	-0.643	-1.416	8.731
0.782	23.122	0.633	-0.590	1.314	8.741
0.783	25.912	3.444	-0.536	3.924	8.754
0.784	28.702	6.255	-0.482	6.156	8.765
0.785	30.306	7.881	-0.427	7.793	8.778
0.786	30.744	8.339	-0.371	8.670	8.788
0.787	31.181	8.798	-0.316	8.702	8.796
0.788	30.567	8.205	-0.259	7.881	8.804
0.789	28.395	6.054	-0.202	6.285	8.810
0.790	26.224	3.903	-0.145	4.069	8.820
0.791	23.887	1.588	-0.087	1.448	8.830
0.792	21.171	-1.108	-0.029	-1.323	8.845
0.793	18.454	-3.804	0.030	-3.973	8.861
0.794	16.100	-6.136	0.089	-6.242	8.882
0.795	15.184	-7.031	0.148	-7.906	8.902
0.796	14.268	-7.926	0.208	-8.801	8.922
0.797	13.594	-8.580	0.268	-8.836	8.940
0.798	15.068	-7.084	0.329	-8.006	8.955
0.799	16.543	-5.588	0.389	-6.389	8.969
0.800	18.018	-4.092	0.450	-4.141	8.980
0.801	21.150	-0.940	0.512	-1.482	8.993
0.802	24.282	2.213	0.573	1.330	9.004
0.803	27.413	5.366	0.635	4.020	9.016
0.804	29.275	7.249	0.697	6.322	9.026
0.805	30.994	8.989	0.759	8.010	9.037
0.806	32.714	10.729	0.821	8.918	9.043
0.807	32.166	10.202	0.884	8.954	9.048
0.808	31.045	9.103	0.947	8.114	9.051
0.809	29.925	8.004	1.009	6.477	9.051
0.810	27.562	5.662	1.072	4.203	9.054
0.811	24.660	2.781	1.135	1.514	9.057
0.812	21.758	-0.100	1.198	-1.328	9.066
0.813	19.418	-2.420	1.260	-4.045	9.075
0.814	17.456	-4.360	1.323	-6.369	9.088
0.815	15.495	-6.300	1.386	-8.073	9.102
0.816	14.697	-7.077	1.449	-8.989	9.116
0.817	15.081	-6.672	1.511	-9.025	9.128
0.818	15.465	-6.268	1.574	-8.178	9.138
0.819	16.798	-4.914	1.636	-6.528	9.148
0.820	19.583	-2.107	1.699	-4.236	9.156
0.821	22.368	0.699	1.761	-1.525	9.165
0.822	25.133	3.485	1.823	1.340	9.172
0.823	27.850	6.223	1.884	4.078	9.181

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0.824	30.567	8.961	1.946	6.421	9.187
0.825	32.783	11.197	2.007	8.139	9.193
0.826	32.910	11.346	2.068	9.063	9.195
0.827	33.038	11.495	2.129	9.103	9.194
0.828	32.938	11.416	2.189	8.252	9.190
0.829	30.619	9.118	2.249	6.594	9.184
0.830	28.300	6.820	2.309	4.291	9.179
0.831	25.981	4.521	2.368	1.569	9.174
0.832	23.191	1.753	2.427	-1.307	9.173
0.833	20.398	-1.019	2.486	-4.054	9.172
0.834	17.605	-3.791	2.544	-6.403	9.176
0.835	16.609	-4.767	2.601	-8.124	9.179
0.836	15.831	-5.523	2.659	-9.049	9.183
0.837	15.053	-6.280	2.715	-9.087	9.185
0.838	16.376	-4.936	2.771	-8.235	9.185
0.839	18.255	-3.036	2.827	-6.577	9.185
0.840	20.133	-1.137	2.882	-4.276	9.182
0.841	22.924	1.675	2.937	-1.559	9.181
0.842	26.125	4.896	2.991	1.309	9.178
0.843	29.325	8.118	3.044	4.047	9.176
0.844	31.407	10.221	3.097	6.386	9.171
0.845	32.710	11.544	3.149	8.098	9.165
0.846	34.012	12.868	3.200	9.017	9.154
0.847	34.059	12.936	3.251	9.055	9.140
0.848	32.792	11.690	3.301	8.210	9.123
0.849	31.524	10.443	3.351	6.566	9.103
0.850	29.621	8.560	3.400	4.286	9.083
0.851	26.711	5.672	3.448	1.595	9.062
0.852	23.801	2.783	3.495	-1.242	9.045
0.853	21.173	0.175	3.541	-3.948	9.028
0.854	19.242	-1.734	3.587	-6.257	9.015
0.855	17.311	-3.644	3.632	-7.946	9.001
0.856	15.866	-5.068	3.676	-8.850	8.989
0.857	16.546	-4.367	3.720	-8.885	8.975
0.858	17.226	-3.666	3.762	-8.049	8.961
0.859	18.104	-2.767	3.804	-6.428	8.947
0.860	21.099	0.249	3.845	-4.184	8.931
0.861	24.094	3.265	3.885	-1.538	8.917
0.862	27.089	6.281	3.924	1.248	8.902
0.863	29.327	8.540	3.962	3.902	8.888
0.864	31.553	10.787	3.999	6.164	8.871
0.865	33.779	13.034	4.036	7.815	8.854
0.866	33.868	13.144	4.071	8.696	8.831
0.867	33.677	12.974	4.106	8.726	8.806
0.868	33.486	12.804	4.139	7.905	8.777
0.869	31.740	11.079	4.172	6.319	8.743
0.870	29.563	8.922	4.203	4.127	8.711
0.871	27.385	6.766	4.234	1.546	8.676
0.872	24.845	4.247	4.264	-1.169	8.645
0.873	22.134	1.557	4.292	-3.750	8.613
0.874	19.424	-1.132	4.320	-5.947	8.585
0.875	17.936	-2.599	4.346	-7.547	8.557
0.876	17.328	-3.186	4.372	-8.397	8.530
0.877	16.720	-3.773	4.396	-8.419	8.503
0.878	17.451	-3.021	4.419	-7.615	8.476
0.879	19.630	-0.821	4.441	-6.071	8.450
0.880	21.808	1.378	4.463	-3.943	8.423
0.881	24.220	3.811	4.483	-1.442	8.400
0.882	27.016	6.628	4.502	1.183	8.375
0.883	29.811	9.444	4.519	3.677	8.354
0.884	31.997	11.651	4.536	5.796	8.329
0.885	32.610	12.285	4.552	7.336	8.304
0.886	33.223	12.919	4.566	8.151	8.275
0.887	33.522	13.239	4.580	8.167	8.243

Data Repository Item

0.888	32.374	12.112	4.592	7.390	8.208
0.889	31.225	10.984	4.603	5.900	8.169
0.890	29.962	9.742	4.613	3.849	8.129
0.891	27.335	7.136	4.621	1.442	8.087
0.892	24.707	4.529	4.629	-1.083	8.048
0.893	22.079	1.923	4.635	-3.479	8.008
0.894	20.289	0.153	4.640	-5.513	7.971
0.895	18.519	-1.596	4.645	-6.990	7.932
0.896	16.748	-3.346	4.647	-7.770	7.896
0.897	17.351	-2.722	4.649	-7.783	7.859
0.898	18.290	-1.762	4.650	-7.034	7.823
0.899	19.229	-0.801	4.649	-5.605	7.788
0.900	21.610	1.600	4.647	-3.640	7.753
0.901	24.409	4.420	4.644	-1.336	7.722
0.902	27.207	7.240	4.640	1.078	7.690
0.903	29.048	9.101	4.635	3.366	7.662
0.904	30.427	10.501	4.628	5.307	7.631
0.905	31.805	11.900	4.620	6.713	7.602
0.906	32.194	12.310	4.612	7.455	7.569
0.907	31.847	11.984	4.602	7.465	7.533
0.908	31.500	11.659	4.590	6.749	7.495
0.909	30.435	10.614	4.578	5.385	7.454
0.910	28.567	8.767	4.565	3.512	7.413
0.911	26.700	6.921	4.550	1.317	7.368
0.912	24.644	4.886	4.534	-0.983	7.327
0.913	22.270	2.533	4.518	-3.162	7.283
0.914	19.896	0.180	4.500	-5.009	7.244
0.915	18.062	-1.633	4.481	-6.347	7.202
0.916	17.679	-1.995	4.460	-7.049	7.163
0.917	17.295	-2.357	4.439	-7.054	7.125
0.918	17.348	-2.284	4.417	-6.369	7.086
0.919	19.519	-0.092	4.394	-5.066	7.051
0.920	21.691	2.101	4.369	-3.279	7.016
0.921	23.851	4.282	4.344	-1.189	6.985
0.922	25.862	6.315	4.317	0.998	6.954
0.923	27.874	8.347	4.290	3.068	6.928
0.924	29.885	10.379	4.261	4.819	6.900
0.925	30.138	10.653	4.232	6.085	6.873
0.926	30.334	10.870	4.201	6.746	6.844
0.927	30.530	11.087	4.170	6.747	6.813
0.928	29.666	10.244	4.137	6.091	6.780
0.929	28.640	9.239	4.104	4.852	6.743
0.930	27.614	8.235	4.070	3.154	6.707
0.931	25.677	6.318	4.035	1.168	6.668
0.932	23.463	4.125	3.999	-0.910	6.631
0.933	21.249	1.932	3.962	-2.877	6.591
0.934	19.546	0.250	3.924	-4.543	6.555
0.935	18.098	-1.177	3.885	-5.747	6.517
0.936	16.650	-2.604	3.846	-6.378	6.480
0.937	16.618	-2.615	3.805	-6.380	6.444
0.938	17.672	-1.540	3.764	-5.757	6.409
0.939	18.726	-0.465	3.722	-4.578	6.377
0.940	20.347	1.177	3.680	-2.962	6.345
0.941	22.620	3.472	3.636	-1.071	6.318
0.942	24.894	5.766	3.592	0.909	6.291
0.943	26.639	7.532	3.547	2.782	6.269
0.944	27.463	8.377	3.502	4.368	6.246
0.945	28.286	9.222	3.456	5.515	6.225
0.946	28.776	9.733	3.409	6.116	6.202
0.947	28.335	9.312	3.361	6.116	6.178
0.948	27.893	8.892	3.313	5.523	6.152
0.949	27.254	8.273	3.264	4.398	6.123
0.950	25.597	6.637	3.215	2.857	6.094
0.951	23.940	5.001	3.165	1.054	6.061

Data Repository Item

0.952	22.266	3.348	3.115	-0.834	6.030
0.953	20.337	1.441	3.064	-2.621	5.996
0.954	18.409	-0.467	3.012	-4.135	5.964
0.955	16.480	-2.375	2.960	-5.230	5.930
0.956	16.267	-2.567	2.908	-5.804	5.896
0.957	16.124	-2.689	2.855	-5.804	5.863
0.958	15.980	-2.811	2.801	-5.237	5.830
0.959	17.596	-1.175	2.747	-4.163	5.800
0.960	19.497	0.747	2.693	-2.692	5.770
0.961	21.398	2.669	2.638	-0.970	5.745
0.962	22.943	4.235	2.583	0.831	5.720
0.963	24.375	5.688	2.528	2.536	5.701
0.964	25.807	7.141	2.472	3.980	5.681
0.965	26.323	7.679	2.416	5.024	5.665
0.966	26.366	7.742	2.360	5.570	5.647
0.967	26.408	7.806	2.303	5.571	5.628
0.968	25.851	7.270	2.246	5.029	5.610
0.969	24.820	6.259	2.189	4.004	5.588
0.970	23.788	5.249	2.131	2.598	5.567
0.971	22.368	3.849	2.074	0.951	5.542
0.972	20.485	1.987	2.016	-0.774	5.519
0.973	18.602	0.125	1.958	-2.409	5.492
0.974	17.010	-1.445	1.899	-3.795	5.468
0.975	15.945	-2.490	1.841	-4.801	5.441
0.976	14.879	-3.535	1.782	-5.329	5.415
0.977	14.351	-4.042	1.724	-5.333	5.388
0.978	15.388	-2.984	1.665	-4.816	5.360
0.979	16.424	-1.926	1.606	-3.833	5.336
0.980	17.580	-0.750	1.547	-2.482	5.311
0.981	19.381	1.072	1.488	-0.898	5.291
0.982	21.182	2.894	1.429	0.762	5.270
0.983	22.917	4.651	1.370	2.335	5.256
0.984	23.507	5.262	1.310	3.669	5.240
0.985	24.097	5.873	1.251	4.636	5.228
0.986	24.687	6.484	1.192	5.144	5.214
0.987	24.217	6.034	1.133	5.147	5.201
0.988	23.694	5.533	1.074	4.649	5.187
0.989	23.172	5.032	1.015	3.702	5.170
0.990	21.782	3.662	0.956	2.402	5.154
0.991	20.242	2.143	0.897	0.879	5.134
0.992	18.702	0.624	0.838	-0.719	5.116
0.993	17.170	-0.886	0.779	-2.234	5.093
0.994	15.642	-2.394	0.720	-3.520	5.072
0.995	14.114	-3.901	0.662	-4.452	5.048
0.996	13.617	-4.376	0.603	-4.944	5.024
0.997	13.673	-4.299	0.545	-4.949	4.999
0.998	13.730	-4.222	0.487	-4.471	4.973
0.999	14.638	-3.292	0.429	-3.561	4.950
1.000	16.244	-1.666	0.371	-2.309	4.926
1.001	17.849	-0.039	0.314	-0.841	4.907
1.002	19.255	1.387	0.256	0.699	4.888
1.003	20.415	2.569	0.199	2.159	4.874
1.004	21.576	3.751	0.142	3.399	4.860
1.005	22.314	4.510	0.086	4.299	4.850
1.006	22.263	4.480	0.029	4.774	4.839
1.007	22.212	4.450	-0.027	4.780	4.829
1.008	21.906	4.165	-0.083	4.319	4.820
1.009	20.828	3.108	-0.139	3.441	4.808
1.010	19.750	2.051	-0.194	2.233	4.798
1.011	18.593	0.915	-0.249	0.814	4.783
1.012	16.983	-0.675	-0.304	-0.674	4.771
1.013	15.372	-2.264	-0.358	-2.088	4.753
1.014	13.803	-3.812	-0.412	-3.289	4.738
1.015	13.083	-4.512	-0.466	-4.161	4.717

Data Repository Item

1.016	12.362	-5.211	-0.520	-4.622	4.698
1.017	11.642	-5.910	-0.573	-4.630	4.676
1.018	12.519	-5.012	-0.625	-4.186	4.653
1.019	13.488	-4.022	-0.678	-3.337	4.632
1.020	14.457	-3.032	-0.730	-2.168	4.609
1.021	15.879	-1.589	-0.782	-0.796	4.591
1.022	17.385	-0.063	-0.833	0.643	4.571
1.023	18.890	1.463	-0.884	2.010	4.557
1.024	19.625	2.220	-0.934	3.170	4.542
1.025	20.095	2.711	-0.984	4.013	4.532
1.026	20.566	3.202	-1.034	4.458	4.520
1.027	20.345	3.002	-1.083	4.465	4.511
1.028	19.741	2.420	-1.132	4.036	4.502
1.029	19.137	1.837	-1.181	3.216	4.491
1.030	18.085	0.805	-1.229	2.088	4.482
1.031	16.654	-0.604	-1.276	0.763	4.469
1.032	15.224	-2.013	-1.323	-0.629	4.460
1.033	13.909	-3.308	-1.370	-1.951	4.445
1.034	12.738	-4.457	-1.416	-3.074	4.432
1.035	11.568	-5.606	-1.462	-3.892	4.415
1.036	10.863	-6.290	-1.508	-4.326	4.398
1.037	11.058	-6.074	-1.553	-4.336	4.379
1.038	11.253	-5.858	-1.597	-3.924	4.358
1.039	11.734	-5.357	-1.641	-3.133	4.339
1.040	13.116	-3.953	-1.685	-2.041	4.317
1.041	14.499	-2.549	-1.728	-0.759	4.300
1.042	15.829	-1.198	-1.770	0.589	4.280
1.043	16.832	-0.174	-1.813	1.870	4.268
1.044	17.835	0.850	-1.854	2.959	4.252
1.045	18.795	1.831	-1.895	3.751	4.242
1.046	18.669	1.726	-1.936	4.172	4.231
1.047	18.543	1.621	-1.976	4.181	4.222
1.048	18.417	1.516	-2.016	3.782	4.215
1.049	17.386	0.506	-2.055	3.015	4.205
1.050	16.295	-0.564	-2.094	1.958	4.198
1.051	15.204	-1.635	-2.133	0.716	4.187
1.052	13.899	-2.918	-2.170	-0.589	4.180
1.053	12.553	-4.243	-2.208	-1.829	4.167
1.054	11.207	-5.568	-2.245	-2.883	4.156
1.055	10.525	-6.229	-2.281	-3.651	4.141
1.056	10.081	-6.652	-2.317	-4.058	4.126
1.057	9.638	-7.075	-2.352	-4.068	4.108
1.058	10.046	-6.645	-2.387	-3.682	4.088
1.059	10.944	-5.726	-2.422	-2.941	4.070
1.060	11.841	-4.808	-2.456	-1.919	4.048
1.061	12.955	-3.673	-2.489	-0.717	4.032
1.062	14.256	-2.351	-2.522	0.546	4.011
1.063	15.557	-1.029	-2.555	1.746	3.999
1.064	16.456	-0.109	-2.587	2.766	3.982
1.065	16.832	0.288	-2.619	3.510	3.972
1.066	17.208	0.685	-2.650	3.904	3.961
1.067	17.238	0.736	-2.681	3.915	3.952
1.068	16.575	0.094	-2.711	3.541	3.946
1.069	15.912	-0.548	-2.741	2.824	3.937
1.070	15.103	-1.336	-2.770	1.834	3.934
1.071	13.810	-2.608	-2.799	0.669	3.925
1.072	12.518	-3.879	-2.828	-0.556	3.922
1.073	11.282	-5.094	-2.856	-1.720	3.912
1.074	10.417	-5.938	-2.884	-2.712	3.906
1.075	9.552	-6.782	-2.911	-3.435	3.894
1.076	8.723	-7.590	-2.938	-3.820	3.883
1.077	9.007	-7.285	-2.964	-3.832	3.870
1.078	9.291	-6.980	-2.991	-3.471	3.853
1.079	9.575	-6.675	-3.016	-2.775	3.839

Data Repository Item

1.080	10.734	-5.495	-3.042	-1.814	3.819
1.081	11.958	-4.250	-3.067	-0.683	3.805
1.082	13.182	-3.005	-3.091	0.507	3.785
1.083	14.115	-2.051	-3.116	1.639	3.773
1.084	14.988	-1.157	-3.140	2.603	3.756
1.085	15.862	-0.262	-3.163	3.306	3.746
1.086	15.952	-0.151	-3.186	3.680	3.735
1.087	15.750	-0.332	-3.209	3.692	3.726
1.088	15.548	-0.513	-3.232	3.342	3.720
1.089	14.803	-1.237	-3.254	2.665	3.712
1.090	13.735	-2.284	-3.277	1.732	3.710
1.091	12.668	-3.330	-3.298	0.632	3.702
1.092	11.584	-4.393	-3.320	-0.525	3.701
1.093	10.487	-5.469	-3.341	-1.626	3.693
1.094	9.390	-6.545	-3.362	-2.564	3.691
1.095	8.657	-7.257	-3.383	-3.249	3.682
1.096	8.414	-7.479	-3.404	-3.615	3.675
1.097	8.172	-7.700	-3.424	-3.628	3.665
1.098	8.282	-7.569	-3.445	-3.289	3.652
1.099	9.124	-6.706	-3.465	-2.632	3.640
1.100	9.965	-5.844	-3.484	-1.723	3.623
1.101	10.878	-4.910	-3.504	-0.652	3.612
1.102	12.035	-3.732	-3.524	0.476	3.593
1.103	13.192	-2.554	-3.543	1.551	3.583
1.104	14.243	-1.482	-3.562	2.467	3.567
1.105	14.545	-1.159	-3.581	3.136	3.558
1.106	14.847	-0.835	-3.600	3.494	3.547
1.107	15.126	-0.536	-3.619	3.507	3.538
1.108	14.410	-1.231	-3.638	3.176	3.533
1.109	13.693	-1.927	-3.657	2.535	3.526
1.110	12.976	-2.622	-3.675	1.647	3.526
1.111	11.857	-3.721	-3.693	0.601	3.519
1.112	10.703	-4.854	-3.712	-0.501	3.522
1.113	9.549	-5.986	-3.730	-1.550	3.516
1.114	8.824	-6.691	-3.748	-2.446	3.518
1.115	8.191	-7.303	-3.766	-3.101	3.512
1.116	7.558	-7.915	-3.784	-3.453	3.509
1.117	7.631	-7.821	-3.801	-3.467	3.503
1.118	7.977	-7.454	-3.819	-3.145	3.493
1.119	8.323	-7.087	-3.836	-2.519	3.486
1.120	9.150	-6.239	-3.854	-1.652	3.471
1.121	10.271	-5.097	-3.871	-0.628	3.463
1.122	11.392	-3.955	-3.888	0.451	3.445
1.123	12.339	-2.987	-3.904	1.481	3.438
1.124	13.124	-2.181	-3.921	2.360	3.421
1.125	13.910	-1.374	-3.937	3.004	3.413
1.126	14.249	-1.014	-3.953	3.350	3.402
1.127	13.970	-1.272	-3.969	3.366	3.394
1.128	13.691	-1.530	-3.985	3.051	3.390
1.129	13.168	-2.032	-4.000	2.437	3.383
1.130	12.122	-3.057	-4.015	1.585	3.386
1.131	11.076	-4.082	-4.029	0.579	3.381
1.132	10.061	-5.076	-4.043	-0.482	3.388
1.133	9.161	-5.954	-4.056	-1.496	3.385
1.134	8.261	-6.833	-4.069	-2.362	3.392
1.135	7.454	-7.619	-4.082	-2.997	3.390
1.136	7.352	-7.700	-4.094	-3.340	3.393
1.137	7.250	-7.781	-4.105	-3.357	3.392
1.138	7.162	-7.848	-4.116	-3.048	3.388
1.139	7.978	-7.012	-4.126	-2.443	3.387
1.140	8.793	-6.175	-4.135	-1.603	3.375
1.141	9.609	-5.339	-4.143	-0.610	3.373
1.142	10.665	-4.262	-4.151	0.439	3.357
1.143	11.743	-3.163	-4.158	1.441	3.353

Data Repository Item

1.144	12.821	-2.064	-4.163	2.298	3.337
1.145	13.215	-1.649	-4.168	2.927	3.330
1.146	13.454	-1.389	-4.172	3.266	3.319
1.147	13.692	-1.130	-4.174	3.284	3.311
1.148	13.194	-1.607	-4.176	2.979	3.307
1.149	12.399	-2.380	-4.176	2.381	3.299
1.150	11.605	-3.153	-4.175	1.549	3.304
1.151	10.654	-4.083	-4.172	0.566	3.298
1.152	9.604	-5.112	-4.168	-0.474	3.310
1.153	8.555	-6.141	-4.163	-1.468	3.308
1.154	7.803	-6.872	-4.156	-2.319	3.322
1.155	7.335	-7.319	-4.148	-2.945	3.325
1.156	6.867	-7.765	-4.138	-3.284	3.335
1.157	6.755	-7.856	-4.127	-3.304	3.341
1.158	7.153	-7.438	-4.113	-3.003	3.343
1.159	7.550	-7.019	-4.098	-2.410	3.351
1.160	8.160	-6.389	-4.082	-1.583	3.343
1.161	9.242	-5.286	-4.063	-0.602	3.349
1.162	10.324	-4.183	-4.043	0.435	3.334
1.163	11.337	-3.148	-4.020	1.428	3.336
1.164	12.094	-2.371	-3.996	2.280	3.318
1.165	12.851	-1.593	-3.970	2.906	3.315
1.166	13.483	-0.940	-3.942	3.246	3.300
1.167	13.094	-1.307	-3.912	3.266	3.291
1.168	12.706	-1.675	-3.879	2.963	3.286
1.169	12.312	-2.048	-3.845	2.366	3.274
1.170	11.236	-3.102	-3.809	1.533	3.282
1.171	10.161	-4.157	-3.771	0.547	3.272
1.172	9.085	-5.212	-3.730	-0.498	3.292
1.173	8.296	-5.980	-3.688	-1.497	3.290
1.174	7.536	-6.719	-3.643	-2.353	3.316
1.175	6.776	-7.458	-3.597	-2.979	3.325
1.176	6.628	-7.585	-3.548	-3.312	3.350
1.177	6.627	-7.565	-3.497	-3.317	3.371
1.178	6.626	-7.545	-3.445	-2.992	3.385
1.179	7.205	-6.945	-3.390	-2.366	3.413
1.180	8.026	-6.103	-3.334	-1.500	3.412
1.181	8.847	-5.261	-3.276	-0.480	3.441
1.182	9.833	-4.253	-3.216	0.592	3.423
1.183	10.928	-3.138	-3.154	1.607	3.441
1.184	12.022	-2.022	-3.090	2.461	3.413
1.185	12.659	-1.364	-3.025	3.064	3.410
1.186	12.846	-1.156	-2.958	3.353	3.380
1.187	13.033	-0.948	-2.890	3.298	3.351
1.188	12.759	-1.202	-2.820	2.902	3.330
1.189	11.802	-2.138	-2.749	2.208	3.277
1.190	10.845	-3.074	-2.677	1.291	3.276
1.191	9.875	-4.023	-2.603	0.247	3.210
1.192	8.875	-5.002	-2.528	-0.812	3.233
1.193	7.875	-5.980	-2.452	-1.774	3.175
1.194	7.008	-6.827	-2.376	-2.541	3.213
1.195	6.664	-7.150	-2.298	-3.035	3.190
1.196	6.320	-7.473	-2.220	-3.215	3.218
1.197	6.055	-7.717	-2.141	-3.075	3.258
1.198	6.495	-7.255	-2.062	-2.643	3.215
1.199	6.936	-6.794	-1.982	-1.982	3.356
1.200	7.376	-6.332	-1.902	-1.175	2.894

Data Repository Item

TABLE DR4. DEPTH-DOMAIN OUTPUT OF MODEL RUN SIN 1

Depth (m; after 5 km burial)	Bulk resampled (vol% mud)	Bulk detrended (vol% mud)	LP component (vol% mud)	SP component (vol% mud)	Demodulated SP component (vol% mud)
4999.44	36.438	-4.300	-2.498	0.487	5.050
4999.45	41.132	0.433	-2.671	3.050	4.658
4999.46	45.826	5.166	-2.836	5.456	5.724
4999.47	43.197	2.577	-2.992	6.330	6.734
4999.48	40.568	-0.013	-3.138	4.693	7.736
4999.49	34.171	-6.370	-3.273	0.597	9.008
4999.50	27.775	-12.728	-3.395	-4.739	9.909
4999.51	23.742	-16.721	-3.504	-9.376	10.863
4999.52	19.709	-20.714	-3.597	-11.481	11.482
4999.53	22.297	-18.088	-3.675	-10.124	11.856
4999.54	28.815	-11.531	-3.736	-5.664	12.071
4999.55	35.333	-4.973	-3.781	0.448	11.955
4999.56	46.673	6.406	-3.808	6.304	11.841
4999.57	46.714	6.486	-3.817	10.251	11.563
4999.58	46.755	6.567	-3.809	11.356	11.364
4999.59	46.796	6.647	-3.783	9.499	11.252
4999.60	41.502	1.392	-3.740	5.231	11.200
4999.61	36.207	-3.863	-3.681	-0.411	11.341
4999.62	30.082	-9.949	-3.605	-6.062	11.464
4999.63	23.957	-16.035	-3.513	-10.249	11.670
4999.64	22.616	-17.337	-3.408	-11.777	11.778
4999.65	21.275	-18.639	-3.288	-10.182	11.773
4999.66	30.815	-9.059	-3.157	-5.980	11.662
4999.67	37.933	-1.902	-3.014	-0.486	11.352
4999.68	45.051	5.255	-2.861	4.734	11.017
4999.69	47.637	7.880	-2.699	8.462	10.597
4999.70	50.222	10.505	-2.530	10.110	10.271
4999.71	48.246	8.568	-2.355	9.624	10.058
4999.72	46.270	6.632	-2.176	7.216	9.989
4999.73	44.294	4.695	-1.992	3.237	10.118
4999.74	37.578	-1.983	-1.807	-1.697	10.316
4999.75	30.861	-8.660	-1.620	-6.565	10.622
4999.76	26.740	-12.741	-1.434	-10.044	10.873
4999.77	22.620	-16.822	-1.248	-10.983	11.059
4999.78	26.856	-12.547	-1.065	-8.967	11.117
4999.79	34.066	-5.298	-0.885	-4.604	10.990
4999.80	41.277	1.952	-0.708	0.721	10.754
4999.81	46.035	6.750	-0.536	5.467	10.370
4999.82	50.794	11.548	-0.369	8.553	9.986
4999.83	50.230	11.023	-0.207	9.600	9.630
4999.84	49.666	10.498	-0.051	8.752	9.404
4999.85	46.158	7.030	0.099	6.324	9.367
4999.86	42.651	3.562	0.243	2.630	9.485
4999.87	39.144	0.094	0.380	-1.885	9.784
4999.88	32.897	-6.113	0.512	-6.401	10.126
4999.89	26.651	-12.320	0.637	-9.723	10.494
4999.90	25.708	-13.224	0.756	-10.686	10.770
4999.91	24.765	-14.128	0.870	-8.775	10.902
4999.92	36.125	-2.729	0.978	-4.505	10.880
4999.93	42.515	3.701	1.080	0.759	10.654
4999.94	48.906	10.131	1.178	5.446	10.324
4999.95	50.435	11.699	1.272	8.463	9.900
4999.96	51.964	13.268	1.361	9.468	9.512
4999.97	49.979	11.322	1.446	8.677	9.221
4999.98	47.995	9.377	1.528	6.466	9.074
4999.99	46.010	7.431	1.607	3.159	9.108

Data Repository Item

5000.00	39.490	0.951	1.683	-0.878	9.242
5000.01	32.971	-5.529	1.757	-5.020	9.472
5000.02	29.028	-9.432	1.828	-8.333	9.683
5000.03	25.086	-13.336	1.897	-9.842	9.854
5000.04	27.969	-10.413	1.964	-8.984	9.928
5000.05	30.852	-7.491	2.029	-5.933	9.869
5000.06	37.786	-0.518	2.093	-1.578	9.706
5000.07	44.719	6.455	2.155	2.850	9.414
5000.08	48.186	9.961	2.215	6.285	9.086
5000.09	51.653	13.467	2.274	8.174	8.745
5000.10	50.656	12.509	2.331	8.472	8.490
5000.11	49.659	11.552	2.387	7.385	8.375
5000.12	46.363	8.295	2.440	5.100	8.415
5000.13	43.066	5.037	2.492	1.762	8.623
5000.14	39.770	1.780	2.541	-2.293	8.910
5000.15	33.868	-4.082	2.588	-6.284	9.247
5000.16	27.967	-9.944	2.633	-9.051	9.530
5000.17	27.552	-10.320	2.675	-9.534	9.718
5000.18	27.136	-10.696	2.714	-7.383	9.766
5000.19	38.930	1.137	2.750	-3.257	9.633
5000.20	44.126	6.372	2.783	1.453	9.356
5000.21	49.322	11.607	2.812	5.324	8.933
5000.22	49.785	12.109	2.838	7.530	8.467
5000.23	50.247	12.611	2.860	8.018	8.025
5000.24	50.710	13.113	2.878	7.189	7.708
5000.25	47.783	10.225	2.893	5.433	7.584
5000.26	44.856	7.337	2.903	2.909	7.641
5000.27	40.790	3.311	2.910	-0.302	7.862
5000.28	36.725	-0.715	2.912	-3.852	8.136
5000.29	32.660	-4.741	2.910	-6.954	8.425
5000.30	25.792	-11.570	2.904	-8.601	8.645
5000.31	29.155	-8.167	2.894	-8.064	8.772
5000.32	32.518	-4.765	2.880	-5.351	8.794
5000.33	38.684	1.440	2.862	-1.273	8.693
5000.34	44.850	7.645	2.840	2.923	8.518
5000.35	47.309	10.144	2.815	6.122	8.273
5000.36	49.768	12.642	2.785	7.738	8.036
5000.37	48.456	11.369	2.752	7.725	7.850
5000.38	47.144	10.096	2.715	6.319	7.761
5000.39	43.896	6.887	2.675	3.789	7.797
5000.40	40.648	3.679	2.631	0.419	7.918
5000.41	37.399	0.470	2.584	-3.299	8.106
5000.42	32.105	-4.786	2.534	-6.539	8.279
5000.43	26.810	-10.041	2.481	-8.312	8.412
5000.44	27.131	-9.681	2.425	-7.918	8.465
5000.45	32.743	-4.030	2.366	-5.371	8.422
5000.46	38.354	1.621	2.304	-1.473	8.306
5000.47	42.750	6.055	2.239	2.569	8.114
5000.48	47.145	10.490	2.171	5.701	7.916
5000.49	47.316	10.700	2.101	7.388	7.742
5000.50	47.487	10.911	2.028	7.584	7.662
5000.51	45.326	8.789	1.952	6.441	7.711
5000.52	43.165	6.667	1.874	4.087	7.879
5000.53	41.003	4.545	1.792	0.703	8.145
5000.54	35.207	-1.212	1.708	-3.222	8.422
5000.55	29.411	-6.969	1.622	-6.747	8.674
5000.56	26.710	-9.631	1.532	-8.720	8.836
5000.57	24.009	-12.293	1.440	-8.317	8.899
5000.58	31.090	-5.172	1.345	-5.532	8.868
5000.59	36.684	0.461	1.247	-1.247	8.752
5000.60	42.277	6.093	1.146	3.192	8.607
5000.61	44.290	8.145	1.043	6.572	8.452
5000.62	46.303	10.198	0.937	8.210	8.353
5000.63	44.527	8.461	0.828	7.959	8.335

Data Repository Item

5000.64	42.751	6.724	0.716	5.974	8.415
5000.65	39.346	3.358	0.602	2.574	8.589
5000.66	35.941	-0.007	0.485	-1.676	8.795
5000.67	32.536	-3.373	0.365	-5.816	8.999
5000.68	23.375	-12.494	0.244	-8.604	9.130
5000.69	24.056	-11.774	0.119	-8.991	9.167
5000.70	24.738	-11.054	-0.007	-6.702	9.102
5000.71	35.333	-0.419	-0.136	-2.477	8.939
5000.72	39.364	3.652	-0.266	2.250	8.732
5000.73	43.396	7.722	-0.398	6.038	8.502
5000.74	43.224	7.590	-0.532	8.019	8.319
5000.75	43.053	7.458	-0.667	8.008	8.220
5000.76	40.527	4.971	-0.803	6.239	8.237
5000.77	38.001	2.485	-0.939	3.079	8.383
5000.78	35.475	-0.002	-1.077	-0.988	8.610
5000.79	30.040	-5.397	-1.214	-5.171	8.881
5000.80	24.606	-10.793	-1.352	-8.315	9.121
5000.81	20.802	-14.558	-1.490	-9.232	9.299
5000.82	24.372	-10.948	-1.627	-7.303	9.398
5000.83	27.943	-7.338	-1.764	-2.944	9.424
5000.84	38.528	3.287	-1.900	2.438	9.419
5000.85	40.348	5.146	-2.034	7.013	9.396
5000.86	42.168	7.005	-2.168	9.281	9.392
5000.87	39.855	4.731	-2.300	8.607	9.404
5000.88	37.543	2.458	-2.430	5.326	9.424
5000.89	32.257	-2.788	-2.559	0.512	9.449
5000.90	26.972	-8.034	-2.685	-4.401	9.446
5000.91	23.221	-11.746	-2.810	-8.022	9.418
5000.92	19.470	-15.457	-2.933	-9.347	9.348
5000.93	21.667	-13.221	-3.053	-8.026	9.250
5000.94	26.747	-8.102	-3.171	-4.452	9.151
5000.95	31.826	-2.983	-3.287	0.361	9.070
5000.96	35.686	0.916	-3.401	5.062	9.055
5000.97	39.547	4.816	-3.512	8.322	9.110
5000.98	39.034	4.342	-3.621	9.156	9.250
5000.99	38.522	3.869	-3.728	7.197	9.450
5001.00	34.222	-0.391	-3.833	2.884	9.665
5001.01	29.923	-4.651	-3.935	-2.537	9.859
5001.02	20.170	-14.365	-4.035	-7.318	9.971
5001.03	19.006	-15.490	-4.133	-9.821	9.985
5001.04	17.842	-16.615	-4.229	-9.168	9.892
5001.05	24.992	-9.425	-4.323	-5.619	9.714
5001.06	30.082	-4.296	-4.414	-0.429	9.505
5001.07	35.172	0.833	-4.504	4.688	9.308
5001.08	36.808	2.508	-4.591	8.187	9.186
5001.09	38.444	4.184	-4.676	9.114	9.161
5001.10	35.630	1.410	-4.758	7.262	9.239
5001.11	32.817	-1.364	-4.838	3.149	9.403
5001.12	27.615	-6.527	-4.916	-2.081	9.598
5001.13	22.412	-11.691	-4.991	-6.869	9.786
5001.14	16.520	-17.544	-5.063	-9.648	9.910
5001.15	17.964	-16.060	-5.133	-9.395	9.949
5001.16	19.409	-14.577	-5.199	-6.083	9.904
5001.17	29.389	-4.557	-5.262	-0.778	9.794
5001.18	33.126	-0.781	-5.322	4.729	9.676
5001.19	36.863	2.995	-5.379	8.578	9.587
5001.20	35.970	2.141	-5.431	9.483	9.574
5001.21	35.077	1.288	-5.480	7.137	9.643
5001.22	30.439	-3.310	-5.525	2.297	9.771
5001.23	25.802	-7.908	-5.566	-3.440	9.925
5001.24	17.236	-16.435	-5.603	-8.119	10.042
5001.25	16.671	-16.961	-5.636	-10.082	10.090
5001.26	16.105	-17.487	-5.664	-8.582	10.044
5001.27	23.498	-10.055	-5.689	-4.120	9.907

Data Repository Item

5001.28	28.552	-4.962	-5.709	1.709	9.726
5001.29	33.607	0.132	-5.724	6.800	9.545
5001.30	35.009	1.574	-5.736	9.323	9.434
5001.31	36.412	3.016	-5.743	8.382	9.426
5001.32	29.817	-3.540	-5.746	4.325	9.525
5001.33	24.767	-8.551	-5.745	-1.399	9.704
5001.34	19.716	-13.562	-5.740	-6.743	9.895
5001.35	17.392	-15.847	-5.731	-9.790	10.045
5001.36	15.068	-18.132	-5.718	-9.450	10.104
5001.37	18.695	-14.465	-5.702	-5.874	10.049
5001.38	29.031	-4.091	-5.683	-0.376	9.900
5001.39	32.686	-0.396	-5.660	5.084	9.689
5001.40	36.341	3.298	-5.634	8.648	9.483
5001.41	35.028	2.024	-5.605	9.187	9.335
5001.42	33.715	0.750	-5.574	6.609	9.286
5001.43	28.774	-4.151	-5.539	1.802	9.349
5001.44	23.834	-9.052	-5.502	-3.674	9.493
5001.45	19.951	-12.895	-5.462	-8.046	9.682
5001.46	16.069	-16.739	-5.419	-9.854	9.854
5001.47	15.909	-16.859	-5.374	-8.439	9.970
5001.48	24.113	-8.616	-5.326	-4.207	10.010
5001.49	29.328	-3.362	-5.275	1.455	9.974
5001.50	34.543	1.892	-5.221	6.636	9.901
5001.51	35.676	3.065	-5.164	9.550	9.829
5001.52	36.810	4.238	-5.105	9.156	9.808
5001.53	32.998	0.465	-5.042	5.531	9.867
5001.54	29.186	-3.308	-4.975	-0.126	9.998
5001.55	19.034	-13.420	-4.906	-5.868	10.176
5001.56	17.113	-15.302	-4.832	-9.673	10.341
5001.57	15.192	-17.183	-4.754	-10.181	10.446
5001.58	19.903	-12.434	-4.672	-7.210	10.455
5001.59	25.578	-6.719	-4.586	-1.828	10.358
5001.60	31.254	-1.004	-4.496	4.063	10.186
5001.61	34.814	2.595	-4.400	8.428	9.981
5001.62	38.374	6.194	-4.300	9.804	9.812
5001.63	34.780	2.640	-4.195	7.766	9.736
5001.64	29.406	-2.695	-4.085	3.017	9.786
5001.65	24.033	-8.029	-3.969	-2.862	9.963
5001.66	20.267	-11.755	-3.849	-7.919	10.219
5001.67	16.502	-15.481	-3.723	-10.444	10.496
5001.68	17.314	-14.630	-3.592	-9.543	10.727
5001.69	22.195	-9.710	-3.456	-5.473	10.858
5001.70	27.076	-4.790	-3.315	0.413	10.871
5001.71	37.995	6.169	-3.169	6.130	10.768
5001.72	38.747	6.960	-3.019	9.783	10.596
5001.73	39.499	7.751	-2.865	10.234	10.406
5001.74	35.110	3.402	-2.706	7.436	10.260
5001.75	30.722	-0.947	-2.543	2.361	10.205
5001.76	25.372	-6.258	-2.377	-3.396	10.249
5001.77	20.021	-11.569	-2.208	-8.123	10.379
5001.78	18.366	-13.185	-2.036	-10.472	10.551
5001.79	16.710	-14.801	-1.862	-9.807	10.717
5001.80	23.030	-8.443	-1.685	-6.351	10.841
5001.81	29.370	-2.063	-1.507	-1.100	10.893
5001.82	35.710	4.316	-1.328	4.476	10.883
5001.83	38.992	7.637	-1.147	8.830	10.823
5001.84	42.273	10.958	-0.966	10.723	10.755
5001.85	39.973	8.696	-0.785	9.522	10.720
5001.86	37.672	6.435	-0.604	5.406	10.752
5001.87	31.784	0.586	-0.423	-0.551	10.879
5001.88	25.895	-5.264	-0.243	-6.564	11.088
5001.89	18.217	-12.902	-0.064	-10.640	11.348
5001.90	19.211	-11.869	0.114	-11.312	11.595
5001.91	20.205	-10.836	0.290	-8.284	11.768

Data Repository Item

5001.92	31.921	0.920	0.465	-2.591	11.823
5001.93	37.295	6.333	0.638	3.821	11.740
5001.94	42.669	11.746	0.810	8.887	11.545
5001.95	42.864	11.980	0.979	11.157	11.280
5001.96	43.059	12.215	1.147	10.153	11.011
5001.97	38.267	7.461	1.312	6.331	10.799
5001.98	33.474	2.708	1.476	0.823	10.685
5001.99	27.788	-2.939	1.637	-4.872	10.689
5002.00	22.101	-8.586	1.797	-9.206	10.791
5002.01	20.696	-9.952	1.954	-10.953	10.952
5002.02	19.291	-11.318	2.110	-9.585	11.116
5002.03	27.577	-2.993	2.263	-5.491	11.227
5002.04	34.158	3.628	2.415	0.120	11.255
5002.05	40.740	10.249	2.565	5.627	11.182
5002.06	43.307	12.855	2.713	9.523	11.030
5002.07	45.874	15.462	2.859	10.828	10.829
5002.08	43.228	12.855	3.003	9.272	10.625
5002.09	40.582	10.248	3.145	5.289	10.459
5002.10	34.460	4.166	3.285	-0.093	10.362
5002.11	28.339	-1.916	3.424	-5.452	10.351
5002.12	24.444	-5.772	3.560	-9.295	10.415
5002.13	20.549	-9.628	3.694	-10.497	10.527
5002.14	23.933	-6.205	3.826	-8.700	10.643
5002.15	30.401	0.303	3.956	-4.463	10.721
5002.16	36.869	6.810	4.083	0.944	10.737
5002.17	41.422	11.402	4.208	6.004	10.681
5002.18	45.974	15.994	4.330	9.425	10.572
5002.19	45.547	15.606	4.449	10.429	10.436
5002.20	45.120	15.218	4.565	8.830	10.306
5002.21	40.408	10.545	4.678	5.002	10.213
5002.22	35.696	5.872	4.787	-0.164	10.169
5002.23	29.958	0.174	4.893	-5.354	10.182
5002.24	24.220	-5.525	4.996	-9.104	10.232
5002.25	23.156	-6.550	5.094	-10.264	10.287
5002.26	22.092	-7.575	5.189	-8.484	10.299
5002.27	31.965	2.338	5.280	-4.409	10.226
5002.28	37.898	8.310	5.367	0.601	10.046
5002.29	43.832	14.283	5.449	5.076	9.766
5002.30	45.314	15.805	5.528	8.011	9.433
5002.31	46.796	17.326	5.602	9.062	9.111
5002.32	45.060	15.628	5.672	8.342	8.864
5002.33	43.323	13.931	5.737	6.103	8.733
5002.34	41.586	12.233	5.798	2.629	8.717
5002.35	35.732	6.419	5.855	-1.600	8.798
5002.36	29.878	0.604	5.907	-5.720	8.943
5002.37	26.169	-3.066	5.955	-8.575	9.125
5002.38	22.460	-6.736	5.999	-9.150	9.313
5002.39	27.154	-2.002	6.039	-7.096	9.480
5002.40	33.384	4.267	6.074	-2.973	9.599
5002.41	39.615	10.537	6.105	1.970	9.651
5002.42	42.831	13.793	6.133	6.318	9.638
5002.43	46.048	17.049	6.156	8.976	9.575
5002.44	45.231	16.271	6.176	9.394	9.488
5002.45	44.415	15.494	6.192	7.547	9.402
5002.46	40.093	11.212	6.204	3.850	9.332
5002.47	35.772	6.929	6.212	-0.871	9.286
5002.48	30.426	1.623	6.217	-5.429	9.260
5002.49	25.080	-3.683	6.218	-8.511	9.246
5002.50	24.480	-4.245	6.216	-9.128	9.225
5002.51	23.879	-4.806	6.210	-7.081	9.171
5002.52	34.112	5.466	6.201	-3.106	9.056
5002.53	38.859	10.253	6.189	1.445	8.862
5002.54	43.607	15.040	6.173	5.242	8.599
5002.55	44.248	15.720	6.154	7.489	8.303

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5002.56	44.889	16.401	6.132	8.034	8.035
5002.57	43.233	14.784	6.107	7.094	7.849
5002.58	41.577	13.167	6.078	4.925	7.773
5002.59	39.921	11.549	6.046	1.759	7.796
5002.60	34.563	6.231	6.012	-1.993	7.883
5002.61	29.205	0.912	5.974	-5.539	8.000
5002.62	25.997	-2.257	5.933	-7.818	8.124
5002.63	22.788	-5.426	5.889	-7.950	8.242
5002.64	28.284	0.109	5.842	-5.727	8.347
5002.65	33.766	5.630	5.793	-1.787	8.428
5002.66	39.247	11.151	5.741	2.652	8.475
5002.67	41.384	13.327	5.686	6.304	8.486
5002.68	43.521	15.503	5.629	8.251	8.465
5002.69	42.503	14.524	5.569	8.099	8.421
5002.70	41.484	13.545	5.506	5.947	8.364
5002.71	37.343	9.443	5.442	2.303	8.297
5002.72	33.202	5.341	5.375	-1.957	8.223
5002.73	28.488	0.667	5.307	-5.706	8.148
5002.74	23.774	-4.008	5.236	-7.835	8.081
5002.75	23.607	-4.136	5.164	-7.659	8.033
5002.76	28.417	0.713	5.089	-5.226	8.010
5002.77	33.226	5.562	5.013	-1.315	8.008
5002.78	37.133	9.507	4.936	2.886	8.020
5002.79	41.039	13.453	4.857	6.229	8.037
5002.80	41.232	13.685	4.777	7.930	8.057
5002.81	41.425	13.917	4.695	7.664	8.078
5002.82	38.754	11.286	4.612	5.522	8.098
5002.83	36.083	8.654	4.528	1.967	8.109
5002.84	31.075	3.686	4.443	-2.179	8.106
5002.85	26.068	-1.283	4.357	-5.821	8.087
5002.86	23.549	-3.762	4.269	-7.863	8.062
5002.87	21.030	-6.241	4.180	-7.611	8.047
5002.88	26.806	-0.427	4.091	-5.086	8.055
5002.89	31.669	4.476	4.000	-1.043	8.099
5002.90	36.533	9.379	3.908	3.315	8.175
5002.91	38.284	11.169	3.814	6.761	8.278
5002.92	40.035	12.959	3.720	8.365	8.394
5002.93	38.662	11.626	3.624	7.666	8.507
5002.94	37.289	10.292	3.527	4.761	8.595
5002.95	33.007	6.049	3.428	0.359	8.641
5002.96	28.724	1.805	3.328	-4.270	8.636
5002.97	20.629	-6.250	3.226	-7.613	8.584
5002.98	21.021	-5.819	3.123	-8.462	8.508
5002.99	21.413	-5.387	3.019	-6.473	8.431
5003.00	30.364	3.603	2.913	-2.349	8.374
5003.01	33.895	7.173	2.805	2.460	8.346
5003.02	37.425	10.743	2.695	6.379	8.342
5003.03	37.364	10.720	2.584	8.270	8.354
5003.04	37.302	10.698	2.471	7.693	8.374
5003.05	34.217	7.652	2.357	4.891	8.390
5003.06	31.133	4.607	2.241	0.655	8.396
5003.07	26.456	-0.030	2.123	-3.828	8.384
5003.08	21.780	-4.667	2.004	-7.199	8.356
5003.09	18.183	-8.225	1.884	-8.314	8.321
5003.10	21.097	-5.272	1.762	-6.691	8.298
5003.11	24.011	-2.318	1.639	-2.791	8.306
5003.12	33.074	6.784	1.515	2.091	8.350
5003.13	34.716	8.465	1.390	6.301	8.429
5003.14	36.357	10.146	1.264	8.437	8.523
5003.15	34.507	8.334	1.137	7.808	8.611
5003.16	32.656	6.522	1.011	4.626	8.671
5003.17	28.222	2.128	0.883	-0.085	8.688
5003.18	23.788	-2.266	0.756	-4.790	8.659
5003.19	17.152	-8.863	0.629	-7.907	8.590

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5003.20	17.925	-8.051	0.502	-8.351	8.503
5003.21	18.698	-7.239	0.376	-5.949	8.424
5003.22	27.197	1.300	0.251	-1.527	8.376
5003.23	30.543	4.684	0.127	3.388	8.377
5003.24	33.888	8.069	0.004	7.137	8.420
5003.25	33.546	7.766	-0.117	8.487	8.491
5003.26	33.205	7.464	-0.237	7.001	8.564
5003.27	29.685	3.984	-0.354	3.160	8.610
5003.28	26.165	0.503	-0.469	-1.772	8.609
5003.29	17.783	-7.839	-0.582	-6.111	8.550
5003.30	16.644	-8.940	-0.693	-8.311	8.442
5003.31	15.505	-10.040	-0.801	-7.545	8.306
5003.32	21.318	-4.188	-0.905	-4.074	8.175
5003.33	25.621	0.155	-1.007	0.829	8.083
5003.34	29.924	4.498	-1.106	5.360	8.046
5003.35	32.831	7.444	-1.201	7.876	8.068
5003.36	30.580	5.231	-1.294	7.493	8.132
5003.37	28.328	3.019	-1.382	4.367	8.209
5003.38	23.974	-1.295	-1.468	-0.376	8.275
5003.39	19.620	-5.610	-1.549	-5.031	8.308
5003.40	14.421	-10.770	-1.628	-7.901	8.304
5003.41	15.492	-9.660	-1.702	-7.901	8.268
5003.42	16.562	-8.550	-1.774	-4.997	8.218
5003.43	24.806	-0.268	-1.841	-0.243	8.181
5003.44	27.982	2.948	-1.906	4.592	8.169
5003.45	31.159	6.164	-1.967	7.705	8.196
5003.46	30.508	5.552	-2.024	7.942	8.252
5003.47	29.856	4.940	-2.078	5.226	8.319
5003.48	22.305	-2.572	-2.129	0.562	8.380
5003.49	18.661	-6.177	-2.176	-4.339	8.412
5003.50	15.016	-9.783	-2.221	-7.680	8.411
5003.51	13.795	-10.964	-2.262	-8.223	8.376
5003.52	16.759	-7.961	-2.299	-5.740	8.322
5003.53	19.723	-4.958	-2.334	-1.121	8.270
5003.54	28.084	3.443	-2.365	3.921	8.236
5003.55	29.325	4.723	-2.392	7.465	8.239
5003.56	30.565	6.002	-2.417	8.103	8.276
5003.57	27.955	3.431	-2.437	5.527	8.337
5003.58	25.345	0.861	-2.455	0.704	8.404
5003.59	16.997	-7.448	-2.468	-4.458	8.450
5003.60	12.924	-11.482	-2.478	-7.872	8.464
5003.61	14.285	-10.081	-2.484	-8.147	8.437
5003.62	15.647	-8.680	-2.486	-5.182	8.379
5003.63	23.987	-0.301	-2.484	-0.200	8.310
5003.64	27.034	2.785	-2.477	4.787	8.245
5003.65	30.081	5.872	-2.466	7.818	8.207
5003.66	29.109	4.939	-2.451	7.755	8.201
5003.67	28.137	4.006	-2.430	4.673	8.222
5003.68	20.201	-3.891	-2.405	-0.215	8.261
5003.69	16.952	-7.101	-2.375	-5.037	8.293
5003.70	13.702	-10.311	-2.340	-7.954	8.308
5003.71	13.310	-10.664	-2.300	-7.836	8.292
5003.72	16.520	-7.414	-2.255	-4.702	8.247
5003.73	19.731	-4.165	-2.205	0.249	8.186
5003.74	28.173	4.317	-2.150	5.071	8.122
5003.75	29.174	5.357	-2.089	7.840	8.086
5003.76	30.175	6.398	-2.024	7.431	8.089
5003.77	24.220	0.481	-1.954	3.994	8.138
5003.78	20.110	-3.589	-1.879	-1.104	8.231
5003.79	16.000	-7.660	-1.799	-5.841	8.341
5003.80	12.669	-10.951	-1.716	-8.342	8.450
5003.81	14.416	-9.165	-1.628	-7.618	8.535
5003.82	16.163	-7.379	-1.536	-3.938	8.578
5003.83	25.088	1.585	-1.441	1.277	8.583

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5003.84	28.010	4.546	-1.342	6.004	8.549
5003.85	30.932	7.508	-1.241	8.394	8.501
5003.86	29.593	6.208	-1.136	7.497	8.457
5003.87	28.253	4.907	-1.030	3.649	8.432
5003.88	19.802	-3.505	-0.922	-1.641	8.445
5003.89	16.726	-6.541	-0.812	-6.295	8.483
5003.90	13.651	-9.577	-0.700	-8.502	8.545
5003.91	14.013	-9.176	-0.588	-7.437	8.607
5003.92	21.435	-1.715	-0.475	-3.547	8.654
5003.93	25.760	2.650	-0.362	1.672	8.685
5003.94	30.086	7.015	-0.249	6.279	8.690
5003.95	30.764	7.732	-0.136	8.591	8.688
5003.96	31.442	8.450	-0.023	7.745	8.689
5003.97	28.076	5.122	0.089	3.995	8.705
5003.98	24.709	1.795	0.201	-1.332	8.754
5003.99	16.285	-6.590	0.311	-6.250	8.830
5004.00	13.445	-9.391	0.421	-8.833	8.932
5004.01	15.731	-7.065	0.530	-7.996	9.039
5004.02	18.018	-4.739	0.637	-4.001	9.129
5004.03	27.729	5.011	0.744	1.609	9.190
5004.04	30.395	7.716	0.849	6.625	9.203
5004.05	33.060	10.421	0.954	9.089	9.181
5004.06	31.323	8.723	1.057	8.071	9.131
5004.07	29.587	7.026	1.159	4.005	9.072
5004.08	20.588	-1.933	1.261	-1.528	9.032
5004.09	17.548	-4.934	1.362	-6.435	9.012
5004.10	14.507	-7.936	1.462	-8.915	9.023
5004.11	15.697	-6.707	1.562	-8.114	9.048
5004.12	20.015	-2.350	1.661	-4.402	9.068
5004.13	24.333	2.008	1.759	0.823	9.071
5004.14	32.758	10.472	1.858	5.694	9.035
5004.15	32.956	10.709	1.956	8.563	8.971
5004.16	33.154	10.947	2.053	8.530	8.884
5004.17	29.558	7.390	2.151	5.670	8.796
5004.18	25.963	3.834	2.248	0.952	8.737
5004.19	21.632	-0.457	2.346	-4.081	8.716
5004.20	17.302	-4.748	2.443	-7.757	8.759
5004.21	14.891	-7.121	2.540	-8.788	8.852
5004.22	17.803	-4.168	2.636	-6.726	8.982
5004.23	20.716	-1.216	2.732	-2.196	9.124
5004.24	30.640	8.747	2.828	3.239	9.234
5004.25	32.659	10.805	2.923	7.611	9.298
5004.26	34.678	12.864	3.017	9.291	9.292
5004.27	32.713	10.938	3.110	7.629	9.222
5004.28	30.748	9.012	3.202	3.232	9.109
5004.29	21.726	0.029	3.293	-2.259	8.972
5004.30	18.733	-2.925	3.382	-6.802	8.854
5004.31	15.740	-5.879	3.469	-8.743	8.765
5004.32	17.848	-3.731	3.554	-7.443	8.716
5004.33	22.492	0.952	3.637	-3.480	8.697
5004.34	27.135	5.635	3.717	1.636	8.676
5004.35	34.037	12.576	3.794	6.082	8.643
5004.36	33.741	12.319	3.869	8.388	8.571
5004.37	33.444	12.061	3.939	7.886	8.464
5004.38	30.069	8.725	4.006	4.841	8.332
5004.39	26.694	5.389	4.070	0.301	8.186
5004.40	22.492	1.226	4.129	-4.237	8.062
5004.41	18.290	-2.936	4.184	-7.277	7.967
5004.42	16.404	-4.782	4.234	-7.794	7.924
5004.43	19.782	-1.366	4.280	-5.608	7.926
5004.44	23.159	2.051	4.320	-1.483	7.949
5004.45	31.826	10.757	4.356	3.136	7.976
5004.46	32.776	11.747	4.387	6.654	7.962
5004.47	33.727	12.737	4.412	7.895	7.895

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5004.48	31.947	10.996	4.432	6.485	7.763
5004.49	30.166	9.254	4.447	2.959	7.566
5004.50	26.092	5.220	4.456	-1.434	7.340
5004.51	22.018	1.185	4.460	-5.141	7.103
5004.52	16.528	-4.266	4.458	-6.847	6.911
5004.53	19.441	-1.314	4.451	-5.964	6.788
5004.54	23.780	3.064	4.439	-2.870	6.744
5004.55	28.119	7.442	4.421	1.253	6.776
5004.56	30.256	9.619	4.399	4.893	6.831
5004.57	32.393	11.795	4.371	6.783	6.888
5004.58	31.318	10.759	4.338	6.324	6.909
5004.59	28.423	7.903	4.301	3.727	6.877
5004.60	25.527	5.048	4.259	-0.099	6.808
5004.61	21.847	1.406	4.213	-3.843	6.702
5004.62	18.166	-2.235	4.162	-6.200	6.608
5004.63	16.977	-3.385	4.107	-6.318	6.547
5004.64	20.344	0.021	4.049	-4.121	6.542
5004.65	23.711	3.427	3.986	-0.377	6.607
5004.66	29.948	9.703	3.920	3.560	6.700
5004.67	30.252	10.047	3.851	6.255	6.802
5004.68	30.556	10.390	3.778	6.729	6.861
5004.69	28.966	8.839	3.702	4.817	6.848
5004.70	27.376	7.289	3.623	1.232	6.761
5004.71	20.511	0.463	3.541	-2.693	6.591
5004.72	18.266	-1.742	3.457	-5.501	6.392
5004.73	16.022	-3.948	3.369	-6.167	6.195
5004.74	19.289	-0.641	3.280	-4.494	6.048
5004.75	22.814	2.923	3.188	-1.165	5.990
5004.76	26.339	6.487	3.094	2.547	5.997
5004.77	28.893	9.080	2.997	5.285	6.062
5004.78	28.208	8.435	2.899	6.094	6.123
5004.79	27.524	7.790	2.799	4.722	6.143
5004.80	24.955	5.260	2.696	1.695	6.103
5004.81	22.386	2.730	2.592	-1.869	5.973
5004.82	16.405	-3.211	2.486	-4.641	5.792
5004.83	16.183	-3.394	2.379	-5.579	5.579
5004.84	15.960	-3.578	2.269	-4.349	5.387
5004.85	21.855	2.356	2.159	-1.472	5.266
5004.86	24.075	4.616	2.047	1.895	5.212
5004.87	26.295	6.875	1.933	4.447	5.230
5004.88	26.427	7.046	1.819	5.244	5.261
5004.89	24.828	5.486	1.703	4.043	5.264
5004.90	23.229	3.927	1.586	1.354	5.216
5004.91	20.310	1.047	1.468	-1.766	5.083
5004.92	17.390	-1.833	1.349	-4.094	4.907
5004.93	14.086	-5.099	1.230	-4.699	4.711
5004.94	17.300	-1.845	1.109	-3.327	4.559
5004.95	20.093	0.987	0.988	-0.538	4.517
5004.96	22.885	3.818	0.867	2.502	4.577
5004.97	24.715	5.688	0.745	4.505	4.736
5004.98	23.905	4.917	0.623	4.619	4.911
5004.99	23.095	4.146	0.501	2.794	5.037
5005.00	18.320	-0.590	0.378	-0.197	5.086
5005.01	15.950	-2.920	0.256	-3.096	5.015
5005.02	13.580	-5.251	0.134	-4.695	4.872
5005.03	13.755	-5.037	0.012	-4.342	4.686
5005.04	16.244	-2.509	-0.110	-2.207	4.515
5005.05	18.733	0.020	-0.231	0.794	4.433
5005.06	22.332	3.658	-0.352	3.391	4.427
5005.07	22.253	3.618	-0.472	4.498	4.499
5005.08	22.174	3.578	-0.592	3.667	4.582
5005.09	18.831	0.274	-0.710	1.284	4.609
5005.10	16.334	-2.183	-0.828	-1.605	4.569
5005.11	13.837	-4.641	-0.945	-3.742	4.423

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5005.12	11.603	-6.835	-1.062	-4.207	4.229
5005.13	14.608	-3.792	-1.177	-2.822	4.036
5005.14	16.941	-1.419	-1.291	-0.225	3.900
5005.15	19.275	0.954	-1.404	2.415	3.897
5005.16	20.733	2.452	-1.516	3.919	3.987
5005.17	19.797	1.555	-1.627	3.622	4.134
5005.18	18.861	0.658	-1.736	1.666	4.272
5005.19	14.426	-3.738	-1.844	-1.063	4.314
5005.20	12.611	-5.513	-1.951	-3.334	4.274
5005.21	10.797	-7.288	-2.056	-4.131	4.131
5005.22	11.401	-6.644	-2.160	-3.108	3.944
5005.23	15.689	-2.318	-2.262	-0.746	3.797
5005.24	17.244	-0.723	-2.363	1.875	3.716
5005.25	18.800	0.872	-2.463	3.574	3.764
5005.26	18.409	0.521	-2.560	3.593	3.884
5005.27	16.718	-1.132	-2.657	1.936	4.006
5005.28	15.026	-2.784	-2.752	-0.636	4.093
5005.29	10.852	-6.919	-2.845	-2.943	4.059
5005.30	9.476	-8.256	-2.936	-3.919	3.938
5005.31	10.867	-6.825	-3.027	-3.111	3.747
5005.32	12.259	-5.394	-3.115	-0.910	3.540
5005.33	16.293	-1.321	-3.202	1.623	3.432
5005.34	16.876	-0.699	-3.288	3.260	3.426
5005.35	17.459	-0.077	-3.372	3.214	3.534
5005.36	15.403	-2.093	-3.455	1.525	3.689
5005.37	11.396	-6.061	-3.537	-0.963	3.778
5005.38	10.055	-7.363	-3.617	-3.036	3.802
5005.39	8.714	-8.665	-3.696	-3.707	3.708
5005.40	9.595	-7.744	-3.774	-2.691	3.541
5005.41	13.390	-3.910	-3.852	-0.506	3.383
5005.42	14.744	-2.516	-3.928	1.800	3.257
5005.43	16.099	-1.123	-4.003	3.159	3.258
5005.44	15.473	-1.709	-4.077	2.963	3.346
5005.45	13.818	-3.325	-4.151	1.329	3.457
5005.46	12.163	-4.941	-4.224	-0.973	3.565
5005.47	8.760	-8.304	-4.296	-2.870	3.560
5005.48	8.008	-9.017	-4.368	-3.473	3.473
5005.49	9.313	-7.673	-4.439	-2.500	3.308
5005.50	10.618	-6.329	-4.509	-0.423	3.096
5005.51	14.205	-2.702	-4.578	1.738	2.975
5005.52	15.143	-1.725	-4.646	2.908	2.945
5005.53	14.032	-2.797	-4.713	2.494	3.041
5005.54	12.921	-3.869	-4.779	0.702	3.217
5005.55	9.344	-7.407	-4.844	-1.558	3.331
5005.56	7.381	-9.330	-4.906	-3.125	3.393
5005.57	7.918	-8.754	-4.967	-3.188	3.333
5005.58	8.454	-8.178	-5.025	-1.711	3.176
5005.59	11.931	-4.662	-5.081	0.541	3.038
5005.60	14.366	-2.188	-5.133	2.399	2.919
5005.61	13.933	-2.582	-5.182	2.894	2.941
5005.62	13.500	-2.975	-5.226	1.771	3.074
5005.63	10.257	-6.180	-5.266	-0.381	3.201
5005.64	7.466	-8.931	-5.301	-2.438	3.333
5005.65	7.308	-9.050	-5.330	-3.329	3.332
5005.66	7.150	-9.169	-5.352	-2.595	3.229
5005.67	9.679	-6.601	-5.368	-0.632	3.092
5005.68	13.021	-3.219	-5.376	1.528	2.896
5005.69	13.391	-2.810	-5.375	2.753	2.830
5005.70	13.760	-2.401	-5.366	2.407	2.869
5005.71	11.297	-4.825	-5.348	0.683	2.962
5005.72	8.042	-8.041	-5.319	-1.503	3.140
5005.73	7.317	-8.727	-5.281	-2.997	3.195
5005.74	6.592	-9.412	-5.231	-3.010	3.182
5005.75	7.825	-8.140	-5.171	-1.538	3.107

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5005.76	11.179	-4.747	-5.099	0.637	2.906
5005.77	13.525	-2.361	-5.016	2.359	2.825
5005.78	12.923	-2.925	-4.921	2.709	2.789
5005.79	12.320	-3.488	-4.814	1.495	2.840
5005.80	8.985	-6.784	-4.696	-0.644	3.063
5005.81	6.628	-9.101	-4.566	-2.574	3.157
5005.82	6.627	-9.063	-4.426	-3.260	3.266
5005.83	6.625	-9.026	-4.275	-2.316	3.302
5005.84	9.171	-6.440	-4.114	-0.220	3.130
5005.85	12.565	-3.007	-3.943	1.929	3.124
5005.86	12.855	-2.678	-3.764	2.972	2.984
5005.87	13.145	-2.349	-3.577	2.312	2.943
5005.88	10.177	-5.278	-3.383	0.241	3.252
5005.89	7.077	-8.338	-3.183	-2.204	3.269
5005.90	6.544	-8.833	-2.979	-3.797	3.854
5005.91	6.010	-9.327	-2.770	-3.786	5.039

Data Repository Item**TABLE DR5.** INPUT SIGNAL OF MODEL RUN SIN 2

Time (m.y. before run end)	LP eustatic component (m)	SP eustatic component (m)	Demodulated SP component (m)	Linear trend ~subsidence (m)	Bulk with trend (m)	Bulk detrended (m)
0	-0.031	0.000	5.000	120.00	120.000	0.000
0.001	-0.188	-1.545	5.000	119.90	118.198	-1.702
0.002	-0.345	-2.939	5.000	119.80	116.547	-3.253
0.003	-0.502	-4.045	5.000	119.70	115.184	-4.516
0.004	-0.659	-4.755	5.000	119.60	114.217	-5.383
0.005	-0.816	-5.000	5.000	119.50	113.715	-5.785
0.006	-0.972	-4.755	5.000	119.40	113.704	-5.696
0.007	-1.128	-4.045	5.000	119.30	114.158	-5.142
0.008	-1.284	-2.939	5.000	119.20	115.008	-4.192
0.009	-1.440	-1.545	5.000	119.10	116.146	-2.954
0.01	-1.595	0.000	5.000	119.00	117.436	-1.564
0.011	-1.750	1.545	5.000	118.90	118.726	-0.174
0.012	-1.904	2.939	5.000	118.80	119.865	1.065
0.013	-2.058	4.045	5.000	118.70	120.717	2.017
0.014	-2.212	4.755	5.000	118.60	121.174	2.574
0.015	-2.365	5.000	5.000	118.50	121.166	2.666
0.016	-2.517	4.755	5.000	118.40	120.668	2.268
0.017	-2.669	4.045	5.000	118.30	119.706	1.406
0.018	-2.820	2.939	5.000	118.20	118.349	0.149
0.019	-2.970	1.545	5.000	118.10	116.705	-1.395
0.02	-3.120	0.000	5.000	118.00	114.910	-3.090
0.021	-3.268	-1.545	5.000	117.90	113.116	-4.784
0.022	-3.416	-2.939	5.000	117.80	111.473	-6.326
0.023	-3.564	-4.045	5.000	117.70	110.120	-7.580
0.024	-3.710	-4.755	5.000	117.60	109.163	-8.436
0.025	-3.855	-5.000	5.000	117.50	108.673	-8.827
0.026	-4.000	-4.755	5.000	117.40	108.673	-8.727
0.027	-4.143	-4.045	5.000	117.30	109.140	-8.160
0.028	-4.286	-2.939	5.000	117.20	110.003	-7.197
0.029	-4.427	-1.545	5.000	117.10	111.156	-5.944
0.03	-4.567	0.000	5.000	117.00	112.460	-4.540
0.031	-4.706	1.545	5.000	116.90	113.766	-3.134
0.032	-4.844	2.939	5.000	116.80	114.921	-1.879
0.033	-4.981	4.045	5.000	116.70	115.791	-0.910
0.034	-5.117	4.755	5.000	116.60	116.265	-0.335
0.035	-5.251	5.000	5.000	116.50	116.275	-0.225
0.036	-5.384	4.755	5.000	116.40	115.797	-0.603
0.037	-5.516	4.045	5.000	116.30	114.855	-1.445
0.038	-5.646	2.939	5.000	116.20	113.518	-2.682
0.039	-5.775	1.545	5.000	116.10	111.895	-4.205
0.04	-5.902	0.000	5.000	116.00	110.122	-5.878
0.041	-6.028	-1.545	5.000	115.90	108.351	-7.549
0.042	-6.153	-2.939	5.000	115.80	106.732	-9.068
0.043	-6.276	-4.045	5.000	115.70	105.402	-10.298
0.044	-6.398	-4.755	5.000	115.60	104.470	-11.130
0.045	-6.517	-5.000	5.000	115.50	104.006	-11.495
0.046	-6.636	-4.755	5.000	115.40	104.032	-11.368
0.047	-6.752	-4.045	5.000	115.30	104.525	-10.775
0.048	-6.867	-2.939	5.000	115.20	105.416	-9.784
0.049	-6.981	-1.545	5.000	115.10	106.596	-8.504
0.05	-7.092	0.000	5.000	115.00	107.929	-7.071
0.051	-7.202	1.545	5.000	114.90	109.264	-5.636
0.052	-7.310	2.939	5.000	114.80	110.449	-4.351
0.053	-7.416	4.045	5.000	114.70	111.349	-3.351
0.054	-7.521	4.755	5.000	114.60	111.854	-2.746

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0.055	-7.623	5.000	5.000	114.50	111.896	-2.604
0.056	-7.724	4.755	5.000	114.40	111.450	-2.950
0.057	-7.823	4.045	5.000	114.30	110.541	-3.759
0.058	-7.920	2.939	5.000	114.20	109.237	-4.963
0.059	-8.015	1.545	5.000	114.10	107.648	-6.452
0.06	-8.108	0.000	5.000	114.00	105.910	-8.090
0.061	-8.199	-1.545	5.000	113.90	104.173	-9.727
0.062	-8.288	-2.939	5.000	113.80	102.590	-11.210
0.063	-8.374	-4.045	5.000	113.70	101.297	-12.403
0.064	-8.459	-4.755	5.000	113.60	100.401	-13.199
0.065	-8.542	-5.000	5.000	113.50	99.974	-13.526
0.066	-8.622	-4.755	5.000	113.40	100.037	-13.363
0.067	-8.701	-4.045	5.000	113.30	100.569	-12.731
0.068	-8.777	-2.939	5.000	113.20	101.498	-11.702
0.069	-8.851	-1.545	5.000	113.10	102.717	-10.383
0.07	-8.923	0.000	5.000	113.00	104.090	-8.910
0.071	-8.993	1.545	5.000	112.90	105.465	-7.435
0.072	-9.061	2.939	5.000	112.80	106.691	-6.109
0.073	-9.126	4.045	5.000	112.70	107.631	-5.069
0.074	-9.189	4.755	5.000	112.60	108.178	-4.422
0.075	-9.250	5.000	5.000	112.50	108.261	-4.239
0.076	-9.309	4.755	5.000	112.40	107.857	-4.542
0.077	-9.365	4.045	5.000	112.30	106.991	-5.309
0.078	-9.419	2.939	5.000	112.20	105.730	-6.470
0.079	-9.470	1.545	5.000	112.10	104.184	-7.916
0.08	-9.520	0.000	5.000	112.00	102.489	-9.510
0.081	-9.567	-1.545	5.000	111.90	100.797	-11.103
0.082	-9.611	-2.939	5.000	111.80	99.258	-12.542
0.083	-9.653	-4.045	5.000	111.70	98.009	-13.691
0.084	-9.693	-4.755	5.000	111.60	97.159	-14.441
0.085	-9.730	-5.000	5.000	111.50	96.776	-14.724
0.086	-9.765	-4.755	5.000	111.40	96.886	-14.514
0.087	-9.798	-4.045	5.000	111.30	97.463	-13.837
0.088	-9.828	-2.939	5.000	111.20	98.438	-12.762
0.089	-9.856	-1.545	5.000	111.10	99.704	-11.396
0.09	-9.881	0.000	5.000	111.00	101.123	-9.877
0.091	-9.904	1.545	5.000	110.90	102.545	-8.355
0.092	-9.925	2.939	5.000	110.80	103.818	-6.982
0.093	-9.943	4.045	5.000	110.70	104.805	-5.895
0.094	-9.958	4.755	5.000	110.60	105.400	-5.200
0.095	-9.971	5.000	5.000	110.50	105.531	-4.969
0.096	-9.982	4.755	5.000	110.40	105.175	-5.225
0.097	-9.990	4.045	5.000	110.30	104.356	-5.944
0.098	-9.996	2.939	5.000	110.20	103.144	-7.056
0.099	-9.999	1.545	5.000	110.10	101.646	-8.454
0.1	-10.000	0.000	5.000	110.00	100.000	-10.000
0.101	-9.998	-1.545	5.000	109.90	98.356	-11.544
0.102	-9.994	-2.939	5.000	109.80	96.866	-12.934
0.103	-9.988	-4.045	5.000	109.70	95.666	-14.034
0.104	-9.978	-4.755	5.000	109.60	94.864	-14.736
0.105	-9.967	-5.000	5.000	109.50	94.531	-14.969
0.106	-9.953	-4.755	5.000	109.40	94.689	-14.711
0.107	-9.936	-4.045	5.000	109.30	95.315	-13.985
0.108	-9.918	-2.939	5.000	109.20	96.340	-12.860
0.109	-9.896	-1.545	5.000	109.10	97.655	-11.445
0.11	-9.872	0.000	5.000	109.00	99.123	-9.877
0.111	-9.846	1.545	5.000	108.90	100.594	-8.306
0.112	-9.817	2.939	5.000	108.80	101.916	-6.884
0.113	-9.786	4.045	5.000	108.70	102.953	-5.747
0.114	-9.753	4.755	5.000	108.60	103.596	-5.004
0.115	-9.717	5.000	5.000	108.50	103.776	-4.724
0.116	-9.679	4.755	5.000	108.40	103.469	-4.931
0.117	-9.638	4.045	5.000	108.30	102.699	-5.601
0.118	-9.595	2.939	5.000	108.20	101.536	-6.664

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0.119	-9.550	1.545	5.000	108.10	100.087	-8.013
0.12	-9.502	0.000	5.000	108.00	98.489	-9.511
0.121	-9.452	-1.545	5.000	107.90	96.894	-11.006
0.122	-9.399	-2.939	5.000	107.80	95.452	-12.348
0.123	-9.344	-4.045	5.000	107.70	94.300	-13.400
0.124	-9.287	-4.755	5.000	107.60	93.547	-14.053
0.125	-9.228	-5.000	5.000	107.50	93.261	-14.239
0.126	-9.166	-4.755	5.000	107.40	93.467	-13.933
0.127	-9.102	-4.045	5.000	107.30	94.141	-13.159
0.128	-9.036	-2.939	5.000	107.20	95.213	-11.987
0.129	-8.968	-1.545	5.000	107.10	96.575	-10.525
0.13	-8.897	0.000	5.000	107.00	98.090	-8.910
0.131	-8.825	1.545	5.000	106.90	99.608	-7.293
0.132	-8.750	2.939	5.000	106.80	100.976	-5.824
0.133	-8.672	4.045	5.000	106.70	102.059	-4.641
0.134	-8.593	4.755	5.000	106.60	102.748	-3.852
0.135	-8.512	5.000	5.000	106.50	102.974	-3.526
0.136	-8.428	4.755	5.000	106.40	102.712	-3.688
0.137	-8.343	4.045	5.000	106.30	101.987	-4.313
0.138	-8.255	2.939	5.000	106.20	100.868	-5.332
0.139	-8.165	1.545	5.000	106.10	99.464	-6.636
0.14	-8.074	0.000	5.000	106.00	97.910	-8.090
0.141	-7.980	-1.545	5.000	105.90	96.358	-9.542
0.142	-7.885	-2.939	5.000	105.80	94.960	-10.841
0.143	-7.787	-4.045	5.000	105.70	93.851	-11.849
0.144	-7.687	-4.755	5.000	105.60	93.140	-12.460
0.145	-7.586	-5.000	5.000	105.50	92.896	-12.604
0.146	-7.483	-4.755	5.000	105.40	93.144	-12.256
0.147	-7.378	-4.045	5.000	105.30	93.859	-11.441
0.148	-7.271	-2.939	5.000	105.20	94.972	-10.229
0.149	-7.162	-1.545	5.000	105.10	96.374	-8.726
0.15	-7.052	0.000	5.000	105.00	97.929	-7.071
0.151	-6.939	1.545	5.000	104.90	99.486	-5.414
0.152	-6.825	2.939	5.000	104.80	100.894	-3.906
0.153	-6.710	4.045	5.000	104.70	102.015	-2.685
0.154	-6.593	4.755	5.000	104.60	102.742	-1.858
0.155	-6.474	5.000	5.000	104.50	103.006	-1.494
0.156	-6.353	4.755	5.000	104.40	102.781	-1.619
0.157	-6.231	4.045	5.000	104.30	102.093	-2.207
0.158	-6.107	2.939	5.000	104.20	101.010	-3.190
0.159	-5.982	1.545	5.000	104.10	99.641	-4.459
0.16	-5.856	0.000	5.000	104.00	98.122	-5.878
0.161	-5.728	-1.545	5.000	103.90	96.605	-7.295
0.162	-5.598	-2.939	5.000	103.80	95.240	-8.560
0.163	-5.468	-4.045	5.000	103.70	94.165	-9.535
0.164	-5.335	-4.755	5.000	103.60	93.486	-10.114
0.165	-5.202	-5.000	5.000	103.50	93.275	-10.225
0.166	-5.067	-4.755	5.000	103.40	93.554	-9.846
0.167	-4.931	-4.045	5.000	103.30	94.300	-9.000
0.168	-4.794	-2.939	5.000	103.20	95.444	-7.757
0.169	-4.655	-1.545	5.000	103.10	96.876	-6.224
0.17	-4.516	0.000	5.000	103.00	98.460	-4.540
0.171	-4.375	1.545	5.000	102.90	100.046	-2.854
0.172	-4.233	2.939	5.000	102.80	101.481	-1.319
0.173	-4.091	4.045	5.000	102.70	102.630	-0.070
0.174	-3.947	4.755	5.000	102.60	103.384	0.784
0.175	-3.802	5.000	5.000	102.50	103.673	1.173
0.176	-3.656	4.755	5.000	102.40	103.474	1.074
0.177	-3.510	4.045	5.000	102.30	102.810	0.510
0.178	-3.362	2.939	5.000	102.20	101.751	-0.449
0.179	-3.214	1.545	5.000	102.10	100.406	-1.694
0.18	-3.065	0.000	5.000	102.00	98.910	-3.090
0.181	-2.915	-1.545	5.000	101.90	97.415	-4.485
0.182	-2.764	-2.939	5.000	101.80	96.071	-5.729

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0.183	-2.613	-4.045	5.000	101.70	95.016	-6.684
0.184	-2.461	-4.755	5.000	101.60	94.358	-7.242
0.185	-2.309	-5.000	5.000	101.50	94.166	-7.334
0.186	-2.156	-4.755	5.000	101.40	94.463	-6.937
0.187	-2.002	-4.045	5.000	101.30	95.227	-6.073
0.188	-1.848	-2.939	5.000	101.20	96.387	-4.813
0.189	-1.693	-1.545	5.000	101.10	97.836	-3.264
0.19	-1.538	0.000	5.000	101.00	99.436	-1.564
0.191	-1.383	1.545	5.000	100.90	101.036	0.136
0.192	-1.227	2.939	5.000	100.80	102.486	1.686
0.193	-1.071	4.045	5.000	100.70	103.648	2.948
0.194	-0.915	4.755	5.000	100.60	104.414	3.814
0.195	-0.758	5.000	5.000	100.50	104.715	4.215
0.196	-0.602	4.755	5.000	100.40	104.527	4.127
0.197	-0.445	4.045	5.000	100.30	103.874	3.574
0.198	-0.288	2.939	5.000	100.20	102.825	2.625
0.199	-0.131	1.545	5.000	100.10	101.488	1.388
0.2	0.026	0.000	5.000	100.00	100.000	0.000
0.201	0.183	-1.545	5.000	99.90	98.512	-1.388
0.202	0.340	-2.939	5.000	99.80	97.175	-2.625
0.203	0.497	-4.045	5.000	99.70	96.126	-3.574
0.204	0.654	-4.755	5.000	99.60	95.473	-4.127
0.205	0.811	-5.000	5.000	99.50	95.285	-4.215
0.206	0.967	-4.755	5.000	99.40	95.586	-3.814
0.207	1.123	-4.045	5.000	99.30	96.352	-2.948
0.208	1.279	-2.939	5.000	99.20	97.515	-1.685
0.209	1.435	-1.545	5.000	99.10	98.964	-0.136
0.21	1.590	0.000	5.000	99.00	100.564	1.564
0.211	1.745	1.545	5.000	98.90	102.164	3.264
0.212	1.899	2.939	5.000	98.80	103.613	4.813
0.213	2.053	4.045	5.000	98.70	104.773	6.073
0.214	2.207	4.755	5.000	98.60	105.537	6.937
0.215	2.360	5.000	5.000	98.50	105.834	7.334
0.216	2.512	4.755	5.000	98.40	105.642	7.242
0.217	2.664	4.045	5.000	98.30	104.984	6.684
0.218	2.815	2.939	5.000	98.20	103.929	5.729
0.219	2.965	1.545	5.000	98.10	102.585	4.485
0.22	3.115	0.000	5.000	98.00	101.090	3.090
0.221	3.263	-1.545	5.000	97.90	99.594	1.694
0.222	3.411	-2.939	5.000	97.80	98.248	0.448
0.223	3.559	-4.045	5.000	97.70	97.190	-0.510
0.224	3.705	-4.755	5.000	97.60	96.526	-1.074
0.225	3.850	-5.000	5.000	97.50	96.327	-1.173
0.226	3.995	-4.755	5.000	97.40	96.616	-0.784
0.227	4.138	-4.045	5.000	97.30	97.370	0.070
0.228	4.281	-2.939	5.000	97.20	98.519	1.319
0.229	4.422	-1.545	5.000	97.10	99.955	2.854
0.23	4.563	0.000	5.000	97.00	101.540	4.540
0.231	4.702	1.545	5.000	96.90	103.124	6.224
0.232	4.840	2.939	5.000	96.80	104.557	7.757
0.233	4.977	4.045	5.000	96.70	105.700	9.000
0.234	5.112	4.755	5.000	96.60	106.446	9.846
0.235	5.247	5.000	5.000	96.50	106.725	10.225
0.236	5.380	4.755	5.000	96.40	106.514	10.114
0.237	5.511	4.045	5.000	96.30	105.835	9.535
0.238	5.642	2.939	5.000	96.20	104.760	8.560
0.239	5.771	1.545	5.000	96.10	103.395	7.295
0.24	5.898	0.000	5.000	96.00	101.878	5.878
0.241	6.024	-1.545	5.000	95.90	100.359	4.459
0.242	6.149	-2.939	5.000	95.80	98.990	3.190
0.243	6.272	-4.045	5.000	95.70	97.907	2.207
0.244	6.394	-4.755	5.000	95.60	97.219	1.619
0.245	6.513	-5.000	5.000	95.50	96.995	1.494
0.246	6.632	-4.755	5.000	95.40	97.258	1.858

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0.247	6.749	-4.045	5.000	95.30	97.985	2.685
0.248	6.864	-2.939	5.000	95.20	99.107	3.907
0.249	6.977	-1.545	5.000	95.10	100.514	5.414
0.25	7.089	0.000	5.000	95.00	102.071	7.071
0.251	7.199	1.545	5.000	94.90	103.626	8.726
0.252	7.307	2.939	5.000	94.80	105.029	10.229
0.253	7.413	4.045	5.000	94.70	106.141	11.441
0.254	7.517	4.755	5.000	94.60	106.856	12.256
0.255	7.620	5.000	5.000	94.50	107.104	12.604
0.256	7.721	4.755	5.000	94.40	106.860	12.460
0.257	7.820	4.045	5.000	94.30	106.149	11.849
0.258	7.917	2.939	5.000	94.20	105.040	10.840
0.259	8.012	1.545	5.000	94.10	103.642	9.542
0.26	8.105	0.000	5.000	94.00	102.090	8.090
0.261	8.196	-1.545	5.000	93.90	100.536	6.636
0.262	8.285	-2.939	5.000	93.80	99.132	5.332
0.263	8.372	-4.045	5.000	93.70	98.013	4.313
0.264	8.456	-4.755	5.000	93.60	97.288	3.688
0.265	8.539	-5.000	5.000	93.50	97.026	3.526
0.266	8.620	-4.755	5.000	93.40	97.252	3.852
0.267	8.698	-4.045	5.000	93.30	97.941	4.641
0.268	8.775	-2.939	5.000	93.20	99.024	5.824
0.269	8.849	-1.545	5.000	93.10	100.393	7.293
0.27	8.921	0.000	5.000	93.00	101.910	8.910
0.271	8.991	1.545	5.000	92.90	103.425	10.525
0.272	9.059	2.939	5.000	92.80	104.787	11.987
0.273	9.124	4.045	5.000	92.70	105.859	13.159
0.274	9.187	4.755	5.000	92.60	106.533	13.933
0.275	9.248	5.000	5.000	92.50	106.739	14.239
0.276	9.307	4.755	5.000	92.40	106.453	14.053
0.277	9.363	4.045	5.000	92.30	105.699	13.400
0.278	9.417	2.939	5.000	92.20	104.548	12.348
0.279	9.469	1.545	5.000	92.10	103.106	11.006
0.28	9.518	0.000	5.000	92.00	101.511	9.511
0.281	9.565	-1.545	5.000	91.90	99.913	8.013
0.282	9.610	-2.939	5.000	91.80	98.464	6.664
0.283	9.652	-4.045	5.000	91.70	97.300	5.600
0.284	9.692	-4.755	5.000	91.60	96.531	4.930
0.285	9.729	-5.000	5.000	91.50	96.224	4.724
0.286	9.764	-4.755	5.000	91.40	96.404	5.004
0.287	9.797	-4.045	5.000	91.30	97.047	5.747
0.288	9.827	-2.939	5.000	91.20	98.084	6.884
0.289	9.855	-1.545	5.000	91.10	99.406	8.306
0.29	9.881	0.000	5.000	91.00	100.877	9.877
0.291	9.904	1.545	5.000	90.90	102.345	11.446
0.292	9.924	2.939	5.000	90.80	103.660	12.860
0.293	9.942	4.045	5.000	90.70	104.685	13.985
0.294	9.958	4.755	5.000	90.60	105.311	14.711
0.295	9.971	5.000	5.000	90.50	105.469	14.969
0.296	9.982	4.755	5.000	90.40	105.135	14.736
0.297	9.990	4.045	5.000	90.30	104.334	14.034
0.298	9.996	2.939	5.000	90.20	103.134	12.934
0.299	9.999	1.545	5.000	90.10	101.644	11.544
0.3	10.000	0.000	5.000	90.00	100.000	10.000
0.301	9.998	-1.545	5.000	89.90	98.354	8.454
0.302	9.994	-2.939	5.000	89.80	96.856	7.056
0.303	9.988	-4.045	5.000	89.70	95.644	5.944
0.304	9.979	-4.755	5.000	89.60	94.825	5.225
0.305	9.967	-5.000	5.000	89.50	94.469	4.969
0.306	9.953	-4.755	5.000	89.40	94.600	5.200
0.307	9.937	-4.045	5.000	89.30	95.195	5.895
0.308	9.918	-2.939	5.000	89.20	96.182	6.982
0.309	9.897	-1.545	5.000	89.10	97.455	8.355
0.31	9.873	0.000	5.000	89.00	98.877	9.877

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0.311	9.847	1.545	5.000	88.90	100.296	11.396
0.312	9.818	2.939	5.000	88.80	101.562	12.762
0.313	9.787	4.045	5.000	88.70	102.537	13.837
0.314	9.754	4.755	5.000	88.60	103.114	14.515
0.315	9.718	5.000	5.000	88.50	103.224	14.724
0.316	9.680	4.755	5.000	88.40	102.841	14.441
0.317	9.639	4.045	5.000	88.30	101.991	13.691
0.318	9.596	2.939	5.000	88.20	100.742	12.542
0.319	9.551	1.545	5.000	88.10	99.203	11.103
0.32	9.503	0.000	5.000	88.00	97.510	9.510
0.321	9.453	-1.545	5.000	87.90	95.816	7.916
0.322	9.401	-2.939	5.000	87.80	94.270	6.470
0.323	9.346	-4.045	5.000	87.70	93.009	5.309
0.324	9.289	-4.755	5.000	87.60	92.142	4.542
0.325	9.230	-5.000	5.000	87.50	91.739	4.239
0.326	9.168	-4.755	5.000	87.40	91.822	4.422
0.327	9.105	-4.045	5.000	87.30	92.369	5.069
0.328	9.039	-2.939	5.000	87.20	93.310	6.110
0.329	8.970	-1.545	5.000	87.10	94.535	7.435
0.33	8.900	0.000	5.000	87.00	95.910	8.910
0.331	8.827	1.545	5.000	86.90	97.283	10.383
0.332	8.752	2.939	5.000	86.80	98.502	11.702
0.333	8.675	4.045	5.000	86.70	99.431	12.731
0.334	8.596	4.755	5.000	86.60	99.963	13.363
0.335	8.515	5.000	5.000	86.50	100.026	13.526
0.336	8.431	4.755	5.000	86.40	99.599	13.199
0.337	8.346	4.045	5.000	86.30	98.703	12.403
0.338	8.258	2.939	5.000	86.20	97.410	11.210
0.339	8.169	1.545	5.000	86.10	95.827	9.727
0.34	8.077	0.000	5.000	86.00	94.090	8.090
0.341	7.983	-1.545	5.000	85.90	92.352	6.452
0.342	7.888	-2.939	5.000	85.80	90.763	4.962
0.343	7.790	-4.045	5.000	85.70	89.459	3.759
0.344	7.691	-4.755	5.000	85.60	88.550	2.950
0.345	7.589	-5.000	5.000	85.50	88.104	2.604
0.346	7.486	-4.755	5.000	85.40	88.146	2.746
0.347	7.381	-4.045	5.000	85.30	88.651	3.351
0.348	7.274	-2.939	5.000	85.20	89.551	4.351
0.349	7.166	-1.545	5.000	85.10	90.736	5.636
0.35	7.055	0.000	5.000	85.00	92.071	7.071
0.351	6.943	1.545	5.000	84.90	93.404	8.504
0.352	6.829	2.939	5.000	84.80	94.584	9.784
0.353	6.714	4.045	5.000	84.70	95.475	10.775
0.354	6.596	4.755	5.000	84.60	95.968	11.368
0.355	6.478	5.000	5.000	84.50	95.995	11.495
0.356	6.357	4.755	5.000	84.40	95.530	11.130
0.357	6.235	4.045	5.000	84.30	94.598	10.298
0.358	6.112	2.939	5.000	84.20	93.268	9.068
0.359	5.987	1.545	5.000	84.10	91.649	7.549
0.36	5.860	0.000	5.000	84.00	89.878	5.878
0.361	5.732	-1.545	5.000	83.90	88.105	4.205
0.362	5.603	-2.939	5.000	83.80	86.482	2.682
0.363	5.472	-4.045	5.000	83.70	85.145	1.445
0.364	5.340	-4.755	5.000	83.60	84.203	0.603
0.365	5.206	-5.000	5.000	83.50	83.725	0.225
0.366	5.072	-4.755	5.000	83.40	83.735	0.335
0.367	4.936	-4.045	5.000	83.30	84.210	0.910
0.368	4.798	-2.939	5.000	83.20	85.079	1.879
0.369	4.660	-1.545	5.000	83.10	86.234	3.134
0.37	4.521	0.000	5.000	83.00	87.540	4.540
0.371	4.380	1.545	5.000	82.90	88.845	5.945
0.372	4.238	2.939	5.000	82.80	89.997	7.197
0.373	4.095	4.045	5.000	82.70	90.860	8.160
0.374	3.952	4.755	5.000	82.60	91.327	8.727

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0.375	3.807	5.000	5.000	82.50	91.327	8.827
0.376	3.661	4.755	5.000	82.40	90.837	8.437
0.377	3.515	4.045	5.000	82.30	89.880	7.580
0.378	3.367	2.939	5.000	82.20	88.526	6.326
0.379	3.219	1.545	5.000	82.10	86.884	4.784
0.38	3.070	0.000	5.000	82.00	85.090	3.090
0.381	2.920	-1.545	5.000	81.90	83.295	1.395
0.382	2.769	-2.939	5.000	81.80	81.651	-0.149
0.383	2.618	-4.045	5.000	81.70	80.294	-1.406
0.384	2.466	-4.755	5.000	81.60	79.332	-2.268
0.385	2.314	-5.000	5.000	81.50	78.834	-2.666
0.386	2.161	-4.755	5.000	81.40	78.826	-2.574
0.387	2.007	-4.045	5.000	81.30	79.283	-2.017
0.388	1.853	-2.939	5.000	81.20	80.135	-1.065
0.389	1.698	-1.545	5.000	81.10	81.274	0.174
0.39	1.543	0.000	5.000	81.00	82.564	1.564
0.391	1.388	1.545	5.000	80.90	83.854	2.954
0.392	1.232	2.939	5.000	80.80	84.992	4.192
0.393	1.076	4.045	5.000	80.70	85.842	5.142
0.394	0.920	4.755	5.000	80.60	86.296	5.696
0.395	0.764	5.000	5.000	80.50	86.285	5.785
0.396	0.607	4.755	5.000	80.40	85.783	5.383
0.397	0.450	4.045	5.000	80.30	84.816	4.516
0.398	0.293	2.939	5.000	80.20	83.453	3.253
0.399	0.136	1.545	5.000	80.10	81.802	1.702
0.4	-0.021	0.000	5.000	80.00	80.000	0.000
0.401	-0.178	-1.545	5.000	79.90	78.198	-1.702
0.402	-0.335	-2.939	5.000	79.80	76.547	-3.253
0.403	-0.492	-4.045	5.000	79.70	75.184	-4.516
0.404	-0.649	-4.755	5.000	79.60	74.217	-5.383
0.405	-0.805	-5.000	5.000	79.50	73.715	-5.785
0.406	-0.962	-4.755	5.000	79.40	73.704	-5.696
0.407	-1.118	-4.045	5.000	79.30	74.158	-5.142
0.408	-1.274	-2.939	5.000	79.20	75.008	-4.192
0.409	-1.430	-1.545	5.000	79.10	76.146	-2.954
0.41	-1.585	0.000	5.000	79.00	77.436	-1.564
0.411	-1.740	1.545	5.000	78.90	78.726	-0.174
0.412	-1.894	2.939	5.000	78.80	79.865	1.065
0.413	-2.048	4.045	5.000	78.70	80.717	2.017
0.414	-2.202	4.755	5.000	78.60	81.174	2.574
0.415	-2.354	5.000	5.000	78.50	81.166	2.666
0.416	-2.507	4.755	5.000	78.40	80.668	2.268
0.417	-2.659	4.045	5.000	78.30	79.706	1.406
0.418	-2.810	2.939	5.000	78.20	78.349	0.149
0.419	-2.960	1.545	5.000	78.10	76.705	-1.395
0.42	-3.110	0.000	5.000	78.00	74.910	-3.090
0.421	-3.258	-1.545	5.000	77.90	73.116	-4.784
0.422	-3.407	-2.939	5.000	77.80	71.474	-6.326
0.423	-3.554	-4.045	5.000	77.70	70.120	-7.580
0.424	-3.700	-4.755	5.000	77.60	69.163	-8.437
0.425	-3.846	-5.000	5.000	77.50	68.673	-8.827
0.426	-3.990	-4.755	5.000	77.40	68.673	-8.727
0.427	-4.134	-4.045	5.000	77.30	69.140	-8.160
0.428	-4.276	-2.939	5.000	77.20	70.003	-7.197
0.429	-4.418	-1.545	5.000	77.10	71.156	-5.944
0.43	-4.558	0.000	5.000	77.00	72.460	-4.540
0.431	-4.697	1.545	5.000	76.90	73.766	-3.134
0.432	-4.835	2.939	5.000	76.80	74.922	-1.879
0.433	-4.972	4.045	5.000	76.70	75.791	-0.910
0.434	-5.108	4.755	5.000	76.60	76.265	-0.335
0.435	-5.242	5.000	5.000	76.50	76.275	-0.225
0.436	-5.375	4.755	5.000	76.40	75.797	-0.603
0.437	-5.507	4.045	5.000	76.30	74.855	-1.445
0.438	-5.637	2.939	5.000	76.20	73.518	-2.682

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0.439	-5.766	1.545	5.000	76.10	71.895	-4.205
0.44	-5.894	0.000	5.000	76.00	70.122	-5.878
0.441	-6.020	-1.545	5.000	75.90	68.351	-7.549
0.442	-6.145	-2.939	5.000	75.80	66.732	-9.068
0.443	-6.268	-4.045	5.000	75.70	65.403	-10.298
0.444	-6.389	-4.755	5.000	75.60	64.470	-11.130
0.445	-6.509	-5.000	5.000	75.50	64.006	-11.495
0.446	-6.628	-4.755	5.000	75.40	64.032	-11.368
0.447	-6.745	-4.045	5.000	75.30	64.525	-10.775
0.448	-6.860	-2.939	5.000	75.20	65.416	-9.784
0.449	-6.973	-1.545	5.000	75.10	66.596	-8.504
0.45	-7.085	0.000	5.000	75.00	67.929	-7.071
0.451	-7.195	1.545	5.000	74.90	69.264	-5.636
0.452	-7.303	2.939	5.000	74.80	70.449	-4.351
0.453	-7.409	4.045	5.000	74.70	71.349	-3.351
0.454	-7.514	4.755	5.000	74.60	71.854	-2.746
0.455	-7.617	5.000	5.000	74.50	71.896	-2.604
0.456	-7.718	4.755	5.000	74.40	71.450	-2.950
0.457	-7.816	4.045	5.000	74.30	70.541	-3.759
0.458	-7.913	2.939	5.000	74.20	69.237	-4.963
0.459	-8.008	1.545	5.000	74.10	67.648	-6.452
0.46	-8.102	0.000	5.000	74.00	65.910	-8.090
0.461	-8.193	-1.545	5.000	73.90	64.173	-9.727
0.462	-8.282	-2.939	5.000	73.80	62.590	-11.210
0.463	-8.369	-4.045	5.000	73.70	61.297	-12.403
0.464	-8.454	-4.755	5.000	73.60	60.401	-13.199
0.465	-8.536	-5.000	5.000	73.50	59.974	-13.526
0.466	-8.617	-4.755	5.000	73.40	60.037	-13.363
0.467	-8.696	-4.045	5.000	73.30	60.569	-12.731
0.468	-8.772	-2.939	5.000	73.20	61.498	-11.702
0.469	-8.847	-1.545	5.000	73.10	62.717	-10.383
0.47	-8.919	0.000	5.000	73.00	64.090	-8.910
0.471	-8.989	1.545	5.000	72.90	65.465	-7.435
0.472	-9.056	2.939	5.000	72.80	66.691	-6.109
0.473	-9.122	4.045	5.000	72.70	67.631	-5.069
0.474	-9.185	4.755	5.000	72.60	68.178	-4.422
0.475	-9.246	5.000	5.000	72.50	68.261	-4.239
0.476	-9.305	4.755	5.000	72.40	67.858	-4.543
0.477	-9.361	4.045	5.000	72.30	66.991	-5.309
0.478	-9.415	2.939	5.000	72.20	65.730	-6.470
0.479	-9.467	1.545	5.000	72.10	64.184	-7.916
0.48	-9.516	0.000	5.000	72.00	62.489	-9.511
0.481	-9.563	-1.545	5.000	71.90	60.797	-11.103
0.482	-9.608	-2.939	5.000	71.80	59.258	-12.542
0.483	-9.651	-4.045	5.000	71.70	58.009	-13.691
0.484	-9.690	-4.755	5.000	71.60	57.159	-14.441
0.485	-9.728	-5.000	5.000	71.50	56.776	-14.724
0.486	-9.763	-4.755	5.000	71.40	56.886	-14.514
0.487	-9.796	-4.045	5.000	71.30	57.463	-13.837
0.488	-9.826	-2.939	5.000	71.20	58.438	-12.762
0.489	-9.854	-1.545	5.000	71.10	59.704	-11.396
0.49	-9.880	0.000	5.000	71.00	61.123	-9.877
0.491	-9.903	1.545	5.000	70.90	62.545	-8.355
0.492	-9.923	2.939	5.000	70.80	63.818	-6.982
0.493	-9.942	4.045	5.000	70.70	64.806	-5.895
0.494	-9.957	4.755	5.000	70.60	65.400	-5.200
0.495	-9.971	5.000	5.000	70.50	65.531	-4.969
0.496	-9.981	4.755	5.000	70.40	65.175	-5.225
0.497	-9.990	4.045	5.000	70.30	64.356	-5.944
0.498	-9.996	2.939	5.000	70.20	63.144	-7.056
0.499	-9.999	1.545	5.000	70.10	61.646	-8.454
0.5	-10.000	0.000	5.000	70.00	60.000	-10.000
0.501	-9.998	-1.545	5.000	69.90	58.356	-11.544
0.502	-9.994	-2.939	5.000	69.80	56.866	-12.934

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0.503	-9.988	-4.045	5.000	69.70	55.666	-14.034
0.504	-9.979	-4.755	5.000	69.60	54.864	-14.736
0.505	-9.968	-5.000	5.000	69.50	54.531	-14.969
0.506	-9.954	-4.755	5.000	69.40	54.689	-14.711
0.507	-9.938	-4.045	5.000	69.30	55.315	-13.985
0.508	-9.919	-2.939	5.000	69.20	56.340	-12.860
0.509	-9.898	-1.545	5.000	69.10	57.655	-11.445
0.51	-9.874	0.000	5.000	69.00	59.123	-9.877
0.511	-9.848	1.545	5.000	68.90	60.594	-8.306
0.512	-9.819	2.939	5.000	68.80	61.916	-6.884
0.513	-9.789	4.045	5.000	68.70	62.953	-5.747
0.514	-9.755	4.755	5.000	68.60	63.596	-5.004
0.515	-9.719	5.000	5.000	68.50	63.776	-4.724
0.516	-9.681	4.755	5.000	68.40	63.469	-4.931
0.517	-9.641	4.045	5.000	68.30	62.700	-5.601
0.518	-9.598	2.939	5.000	68.20	61.536	-6.664
0.519	-9.553	1.545	5.000	68.10	60.087	-8.013
0.52	-9.505	0.000	5.000	68.00	58.489	-9.511
0.521	-9.455	-1.545	5.000	67.90	56.894	-11.006
0.522	-9.403	-2.939	5.000	67.80	55.452	-12.348
0.523	-9.348	-4.045	5.000	67.70	54.300	-13.400
0.524	-9.291	-4.755	5.000	67.60	53.547	-14.053
0.525	-9.232	-5.000	5.000	67.50	53.261	-14.239
0.526	-9.171	-4.755	5.000	67.40	53.467	-13.933
0.527	-9.107	-4.045	5.000	67.30	54.141	-13.159
0.528	-9.041	-2.939	5.000	67.20	55.213	-11.987
0.529	-8.973	-1.545	5.000	67.10	56.575	-10.525
0.53	-8.902	0.000	5.000	67.00	58.090	-8.910
0.531	-8.829	1.545	5.000	66.90	59.608	-7.292
0.532	-8.755	2.939	5.000	66.80	60.976	-5.824
0.533	-8.678	4.045	5.000	66.70	62.059	-4.641
0.534	-8.599	4.755	5.000	66.60	62.748	-3.852
0.535	-8.517	5.000	5.000	66.50	62.974	-3.526
0.536	-8.434	4.755	5.000	66.40	62.712	-3.688
0.537	-8.349	4.045	5.000	66.30	61.987	-4.313
0.538	-8.261	2.939	5.000	66.20	60.868	-5.332
0.539	-8.172	1.545	5.000	66.10	59.464	-6.637
0.54	-8.080	0.000	5.000	66.00	57.910	-8.090
0.541	-7.986	-1.545	5.000	65.90	56.358	-9.542
0.542	-7.891	-2.939	5.000	65.80	54.960	-10.841
0.543	-7.794	-4.045	5.000	65.70	53.851	-11.849
0.544	-7.694	-4.755	5.000	65.60	53.140	-12.460
0.545	-7.593	-5.000	5.000	65.50	52.896	-12.604
0.546	-7.490	-4.755	5.000	65.40	53.144	-12.256
0.547	-7.385	-4.045	5.000	65.30	53.859	-11.441
0.548	-7.278	-2.939	5.000	65.20	54.971	-10.229
0.549	-7.169	-1.545	5.000	65.10	56.374	-8.726
0.55	-7.059	0.000	5.000	65.00	57.929	-7.071
0.551	-6.947	1.545	5.000	64.90	59.486	-5.414
0.552	-6.833	2.939	5.000	64.80	60.894	-3.907
0.553	-6.718	4.045	5.000	64.70	62.015	-2.685
0.554	-6.600	4.755	5.000	64.60	62.742	-1.858
0.555	-6.482	5.000	5.000	64.50	63.006	-1.494
0.556	-6.361	4.755	5.000	64.40	62.781	-1.619
0.557	-6.239	4.045	5.000	64.30	62.093	-2.207
0.558	-6.116	2.939	5.000	64.20	61.010	-3.190
0.559	-5.991	1.545	5.000	64.10	59.641	-4.459
0.56	-5.864	0.000	5.000	64.00	58.122	-5.878
0.561	-5.736	-1.545	5.000	63.90	56.605	-7.295
0.562	-5.607	-2.939	5.000	63.80	55.240	-8.560
0.563	-5.476	-4.045	5.000	63.70	54.165	-9.535
0.564	-5.344	-4.755	5.000	63.60	53.486	-10.114
0.565	-5.211	-5.000	5.000	63.50	53.275	-10.225
0.566	-5.076	-4.755	5.000	63.40	53.554	-9.846

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0.567	-4.940	-4.045	5.000	63.30	54.300	-9.000
0.568	-4.803	-2.939	5.000	63.20	55.444	-7.756
0.569	-4.665	-1.545	5.000	63.10	56.876	-6.224
0.57	-4.525	0.000	5.000	63.00	58.460	-4.540
0.571	-4.385	1.545	5.000	62.90	60.046	-2.854
0.572	-4.243	2.939	5.000	62.80	61.481	-1.319
0.573	-4.100	4.045	5.000	62.70	62.630	-0.070
0.574	-3.956	4.755	5.000	62.60	63.384	0.784
0.575	-3.812	5.000	5.000	62.50	63.673	1.173
0.576	-3.666	4.755	5.000	62.40	63.474	1.074
0.577	-3.519	4.045	5.000	62.30	62.810	0.510
0.578	-3.372	2.939	5.000	62.20	61.752	-0.448
0.579	-3.224	1.545	5.000	62.10	60.406	-1.694
0.58	-3.075	0.000	5.000	62.00	58.910	-3.090
0.581	-2.925	-1.545	5.000	61.90	57.414	-4.486
0.582	-2.774	-2.939	5.000	61.80	56.071	-5.729
0.583	-2.623	-4.045	5.000	61.70	55.016	-6.684
0.584	-2.471	-4.755	5.000	61.60	54.358	-7.242
0.585	-2.319	-5.000	5.000	61.50	54.166	-7.334
0.586	-2.166	-4.755	5.000	61.40	54.463	-6.937
0.587	-2.012	-4.045	5.000	61.30	55.227	-6.073
0.588	-1.858	-2.939	5.000	61.20	56.387	-4.813
0.589	-1.704	-1.545	5.000	61.10	57.836	-3.264
0.59	-1.549	0.000	5.000	61.00	59.436	-1.564
0.591	-1.393	1.545	5.000	60.90	61.036	0.136
0.592	-1.238	2.939	5.000	60.80	62.486	1.686
0.593	-1.082	4.045	5.000	60.70	63.648	2.948
0.594	-0.925	4.755	5.000	60.60	64.414	3.814
0.595	-0.769	5.000	5.000	60.50	64.715	4.215
0.596	-0.612	4.755	5.000	60.40	64.527	4.127
0.597	-0.455	4.045	5.000	60.30	63.874	3.574
0.598	-0.298	2.939	5.000	60.20	62.825	2.625
0.599	-0.141	1.545	5.000	60.10	61.488	1.388
0.6	0.016	0.000	5.000	60.00	60.000	0.000
0.601	0.173	-1.545	5.000	59.90	58.512	-1.388
0.602	0.330	-2.939	5.000	59.80	57.175	-2.625
0.603	0.487	-4.045	5.000	59.70	56.126	-3.574
0.604	0.643	-4.755	5.000	59.60	55.473	-4.127
0.605	0.800	-5.000	5.000	59.50	55.285	-4.215
0.606	0.957	-4.755	5.000	59.40	55.586	-3.814
0.607	1.113	-4.045	5.000	59.30	56.352	-2.948
0.608	1.269	-2.939	5.000	59.20	57.514	-1.686
0.609	1.424	-1.545	5.000	59.10	58.964	-0.136
0.61	1.580	0.000	5.000	59.00	60.564	1.564
0.611	1.734	1.545	5.000	58.90	62.165	3.265
0.612	1.889	2.939	5.000	58.80	63.613	4.813
0.613	2.043	4.045	5.000	58.70	64.773	6.073
0.614	2.196	4.755	5.000	58.60	65.537	6.937
0.615	2.349	5.000	5.000	58.50	65.835	7.334
0.616	2.502	4.755	5.000	58.40	65.642	7.242
0.617	2.653	4.045	5.000	58.30	64.984	6.684
0.618	2.805	2.939	5.000	58.20	63.929	5.729
0.619	2.955	1.545	5.000	58.10	62.585	4.485
0.62	3.105	0.000	5.000	58.00	61.090	3.090
0.621	3.254	-1.545	5.000	57.90	59.594	1.694
0.622	3.402	-2.939	5.000	57.80	58.248	0.448
0.623	3.549	-4.045	5.000	57.70	57.190	-0.510
0.624	3.695	-4.755	5.000	57.60	56.526	-1.074
0.625	3.841	-5.000	5.000	57.50	56.327	-1.173
0.626	3.985	-4.755	5.000	57.40	56.616	-0.784
0.627	4.129	-4.045	5.000	57.30	57.370	0.070
0.628	4.271	-2.939	5.000	57.20	58.519	1.319
0.629	4.413	-1.545	5.000	57.10	59.954	2.854
0.63	4.553	0.000	5.000	57.00	61.540	4.540

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0.631	4.692	1.545	5.000	56.90	63.124	6.224
0.632	4.831	2.939	5.000	56.80	64.557	7.756
0.633	4.967	4.045	5.000	56.70	65.700	9.000
0.634	5.103	4.755	5.000	56.60	66.446	9.846
0.635	5.238	5.000	5.000	56.50	66.725	10.225
0.636	5.371	4.755	5.000	56.40	66.514	10.114
0.637	5.503	4.045	5.000	56.30	65.835	9.535
0.638	5.633	2.939	5.000	56.20	64.760	8.560
0.639	5.762	1.545	5.000	56.10	63.395	7.295
0.64	5.890	0.000	5.000	56.00	61.878	5.878
0.641	6.016	-1.545	5.000	55.90	60.359	4.459
0.642	6.141	-2.939	5.000	55.80	58.990	3.190
0.643	6.264	-4.045	5.000	55.70	57.907	2.207
0.644	6.385	-4.755	5.000	55.60	57.219	1.619
0.645	6.506	-5.000	5.000	55.50	56.995	1.494
0.646	6.624	-4.755	5.000	55.40	57.258	1.858
0.647	6.741	-4.045	5.000	55.30	57.985	2.685
0.648	6.856	-2.939	5.000	55.20	59.107	3.907
0.649	6.969	-1.545	5.000	55.10	60.514	5.414
0.65	7.081	0.000	5.000	55.00	62.071	7.071
0.651	7.191	1.545	5.000	54.90	63.626	8.726
0.652	7.299	2.939	5.000	54.80	65.029	10.229
0.653	7.406	4.045	5.000	54.70	66.141	11.441
0.654	7.511	4.755	5.000	54.60	66.856	12.256
0.655	7.613	5.000	5.000	54.50	67.104	12.604
0.656	7.714	4.755	5.000	54.40	66.860	12.460
0.657	7.813	4.045	5.000	54.30	66.149	11.849
0.658	7.910	2.939	5.000	54.20	65.040	10.840
0.659	8.005	1.545	5.000	54.10	63.642	9.542
0.66	8.098	0.000	5.000	54.00	62.090	8.090
0.661	8.190	-1.545	5.000	53.90	60.536	6.636
0.662	8.279	-2.939	5.000	53.80	59.132	5.332
0.663	8.366	-4.045	5.000	53.70	58.013	4.313
0.664	8.451	-4.755	5.000	53.60	57.288	3.688
0.665	8.534	-5.000	5.000	53.50	57.026	3.526
0.666	8.615	-4.755	5.000	53.40	57.252	3.852
0.667	8.693	-4.045	5.000	53.30	57.941	4.641
0.668	8.770	-2.939	5.000	53.20	59.024	5.824
0.669	8.844	-1.545	5.000	53.10	60.393	7.293
0.67	8.916	0.000	5.000	53.00	61.910	8.910
0.671	8.986	1.545	5.000	52.90	63.425	10.525
0.672	9.054	2.939	5.000	52.80	64.787	11.987
0.673	9.120	4.045	5.000	52.70	65.859	13.159
0.674	9.183	4.755	5.000	52.60	66.533	13.933
0.675	9.244	5.000	5.000	52.50	66.739	14.239
0.676	9.303	4.755	5.000	52.40	66.453	14.053
0.677	9.359	4.045	5.000	52.30	65.700	13.400
0.678	9.413	2.939	5.000	52.20	64.548	12.348
0.679	9.465	1.545	5.000	52.10	63.106	11.006
0.68	9.515	0.000	5.000	52.00	61.511	9.511
0.681	9.562	-1.545	5.000	51.90	59.913	8.013
0.682	9.607	-2.939	5.000	51.80	58.464	6.664
0.683	9.649	-4.045	5.000	51.70	57.301	5.600
0.684	9.689	-4.755	5.000	51.60	56.531	4.931
0.685	9.727	-5.000	5.000	51.50	56.224	4.724
0.686	9.762	-4.755	5.000	51.40	56.404	5.004
0.687	9.795	-4.045	5.000	51.30	57.047	5.747
0.688	9.825	-2.939	5.000	51.20	58.084	6.884
0.689	9.853	-1.545	5.000	51.10	59.406	8.306
0.69	9.879	0.000	5.000	51.00	60.877	9.877
0.691	9.902	1.545	5.000	50.90	62.345	11.445
0.692	9.923	2.939	5.000	50.80	63.660	12.860
0.693	9.941	4.045	5.000	50.70	64.685	13.985
0.694	9.957	4.755	5.000	50.60	65.311	14.711

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0.695	9.970	5.000	5.000	50.50	65.469	14.969
0.696	9.981	4.755	5.000	50.40	65.136	14.736
0.697	9.990	4.045	5.000	50.30	64.334	14.034
0.698	9.995	2.939	5.000	50.20	63.134	12.934
0.699	9.999	1.545	5.000	50.10	61.644	11.544
0.7	10.000	0.000	5.000	50.00	60.000	10.000
0.701	9.999	-1.545	5.000	49.90	58.354	8.454
0.702	9.995	-2.939	5.000	49.80	56.856	7.056
0.703	9.988	-4.045	5.000	49.70	55.644	5.944
0.704	9.979	-4.755	5.000	49.60	54.825	5.225
0.705	9.968	-5.000	5.000	49.50	54.469	4.969
0.706	9.954	-4.755	5.000	49.40	54.600	5.200
0.707	9.938	-4.045	5.000	49.30	55.195	5.895
0.708	9.920	-2.939	5.000	49.20	56.182	6.982
0.709	9.898	-1.545	5.000	49.10	57.455	8.355
0.71	9.875	0.000	5.000	49.00	58.877	9.877
0.711	9.849	1.545	5.000	48.90	60.296	11.396
0.712	9.820	2.939	5.000	48.80	61.562	12.762
0.713	9.790	4.045	5.000	48.70	62.537	13.837
0.714	9.756	4.755	5.000	48.60	63.115	14.515
0.715	9.721	5.000	5.000	48.50	63.224	14.724
0.716	9.683	4.755	5.000	48.40	62.841	14.441
0.717	9.642	4.045	5.000	48.30	61.991	13.691
0.718	9.599	2.939	5.000	48.20	60.742	12.542
0.719	9.554	1.545	5.000	48.10	59.203	11.103
0.72	9.507	0.000	5.000	48.00	57.511	9.510
0.721	9.457	-1.545	5.000	47.90	55.816	7.916
0.722	9.405	-2.939	5.000	47.80	54.270	6.470
0.723	9.350	-4.045	5.000	47.70	53.009	5.309
0.724	9.293	-4.755	5.000	47.60	52.143	4.542
0.725	9.234	-5.000	5.000	47.50	51.739	4.239
0.726	9.173	-4.755	5.000	47.40	51.822	4.422
0.727	9.109	-4.045	5.000	47.30	52.369	5.069
0.728	9.043	-2.939	5.000	47.20	53.309	6.109
0.729	8.975	-1.545	5.000	47.10	54.535	7.435
0.73	8.904	0.000	5.000	47.00	55.910	8.910
0.731	8.832	1.545	5.000	46.90	57.283	10.383
0.732	8.757	2.939	5.000	46.80	58.502	11.702
0.733	8.680	4.045	5.000	46.70	59.431	12.731
0.734	8.601	4.755	5.000	46.60	59.963	13.363
0.735	8.520	5.000	5.000	46.50	60.026	13.526
0.736	8.437	4.755	5.000	46.40	59.599	13.199
0.737	8.351	4.045	5.000	46.30	58.703	12.403
0.738	8.264	2.939	5.000	46.20	57.410	11.210
0.739	8.175	1.545	5.000	46.10	55.827	9.727
0.74	8.083	0.000	5.000	46.00	54.090	8.090
0.741	7.990	-1.545	5.000	45.90	52.352	6.452
0.742	7.894	-2.939	5.000	45.80	50.763	4.963
0.743	7.797	-4.045	5.000	45.70	49.459	3.759
0.744	7.698	-4.755	5.000	45.60	48.550	2.950
0.745	7.596	-5.000	5.000	45.50	48.104	2.604
0.746	7.493	-4.755	5.000	45.40	48.146	2.746
0.747	7.388	-4.045	5.000	45.30	48.651	3.351
0.748	7.282	-2.939	5.000	45.20	49.551	4.351
0.749	7.173	-1.545	5.000	45.10	50.736	5.636
0.75	7.063	0.000	5.000	45.00	52.071	7.071
0.751	6.951	1.545	5.000	44.90	53.404	8.504
0.752	6.837	2.939	5.000	44.80	54.585	9.784
0.753	6.721	4.045	5.000	44.70	55.475	10.775
0.754	6.604	4.755	5.000	44.60	55.968	11.368
0.755	6.486	5.000	5.000	44.50	55.995	11.495
0.756	6.365	4.755	5.000	44.40	55.530	11.130
0.757	6.243	4.045	5.000	44.30	54.598	10.298
0.758	6.120	2.939	5.000	44.20	53.268	9.068

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0.759	5.995	1.545	5.000	44.10	51.649	7.549
0.76	5.869	0.000	5.000	44.00	49.878	5.878
0.761	5.741	-1.545	5.000	43.90	48.105	4.205
0.762	5.611	-2.939	5.000	43.80	46.482	2.682
0.763	5.481	-4.045	5.000	43.70	45.145	1.445
0.764	5.349	-4.755	5.000	43.60	44.203	0.603
0.765	5.215	-5.000	5.000	43.50	43.725	0.225
0.766	5.081	-4.755	5.000	43.40	43.735	0.335
0.767	4.945	-4.045	5.000	43.30	44.210	0.910
0.768	4.808	-2.939	5.000	43.20	45.079	1.879
0.769	4.669	-1.545	5.000	43.10	46.234	3.134
0.77	4.530	0.000	5.000	43.00	47.540	4.540
0.771	4.389	1.545	5.000	42.90	48.845	5.945
0.772	4.248	2.939	5.000	42.80	49.997	7.197
0.773	4.105	4.045	5.000	42.70	50.860	8.160
0.774	3.961	4.755	5.000	42.60	51.327	8.727
0.775	3.817	5.000	5.000	42.50	51.327	8.827
0.776	3.671	4.755	5.000	42.40	50.837	8.437
0.777	3.524	4.045	5.000	42.30	49.880	7.580
0.778	3.377	2.939	5.000	42.20	48.526	6.326
0.779	3.229	1.545	5.000	42.10	46.884	4.784
0.78	3.080	0.000	5.000	42.00	45.090	3.090
0.781	2.930	-1.545	5.000	41.90	43.295	1.395
0.782	2.779	-2.939	5.000	41.80	41.651	-0.149
0.783	2.628	-4.045	5.000	41.70	40.294	-1.406
0.784	2.476	-4.755	5.000	41.60	39.332	-2.268
0.785	2.324	-5.000	5.000	41.50	38.834	-2.666
0.786	2.171	-4.755	5.000	41.40	38.826	-2.574
0.787	2.017	-4.045	5.000	41.30	39.283	-2.017
0.788	1.863	-2.939	5.000	41.20	40.135	-1.065
0.789	1.709	-1.545	5.000	41.10	41.274	0.174
0.79	1.554	0.000	5.000	41.00	42.564	1.564
0.791	1.398	1.545	5.000	40.90	43.854	2.954
0.792	1.243	2.939	5.000	40.80	44.992	4.192
0.793	1.087	4.045	5.000	40.70	45.842	5.142
0.794	0.930	4.755	5.000	40.60	46.296	5.696
0.795	0.774	5.000	5.000	40.50	46.285	5.785
0.796	0.617	4.755	5.000	40.40	45.783	5.383
0.797	0.461	4.045	5.000	40.30	44.816	4.516
0.798	0.304	2.939	5.000	40.20	43.453	3.253
0.799	0.147	1.545	5.000	40.10	41.802	1.702
0.8	-0.010	0.000	5.000	40.00	40.000	0.000
0.801	-0.168	-1.545	5.000	39.90	38.198	-1.702
0.802	-0.325	-2.939	5.000	39.80	36.547	-3.253
0.803	-0.481	-4.045	5.000	39.70	35.184	-4.516
0.804	-0.638	-4.755	5.000	39.60	34.217	-5.383
0.805	-0.795	-5.000	5.000	39.50	33.715	-5.785
0.806	-0.951	-4.755	5.000	39.40	33.704	-5.696
0.807	-1.108	-4.045	5.000	39.30	34.158	-5.142
0.808	-1.264	-2.939	5.000	39.20	35.008	-4.192
0.809	-1.419	-1.545	5.000	39.10	36.146	-2.954
0.81	-1.574	0.000	5.000	39.00	37.436	-1.564
0.811	-1.729	1.545	5.000	38.90	38.726	-0.174
0.812	-1.884	2.939	5.000	38.80	39.865	1.065
0.813	-2.038	4.045	5.000	38.70	40.717	2.017
0.814	-2.191	4.755	5.000	38.60	41.174	2.574
0.815	-2.344	5.000	5.000	38.50	41.166	2.666
0.816	-2.497	4.755	5.000	38.40	40.668	2.268
0.817	-2.648	4.045	5.000	38.30	39.706	1.406
0.818	-2.800	2.939	5.000	38.20	38.349	0.149
0.819	-2.950	1.545	5.000	38.10	36.705	-1.395
0.82	-3.100	0.000	5.000	38.00	34.910	-3.090
0.821	-3.249	-1.545	5.000	37.90	33.116	-4.784
0.822	-3.397	-2.939	5.000	37.80	31.474	-6.326

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0.823	-3.544	-4.045	5.000	37.70	30.120	-7.580
0.824	-3.690	-4.755	5.000	37.60	29.163	-8.437
0.825	-3.836	-5.000	5.000	37.50	28.673	-8.827
0.826	-3.980	-4.755	5.000	37.40	28.673	-8.727
0.827	-4.124	-4.045	5.000	37.30	29.140	-8.160
0.828	-4.267	-2.939	5.000	37.20	30.003	-7.197
0.829	-4.408	-1.545	5.000	37.10	31.156	-5.944
0.83	-4.549	0.000	5.000	37.00	32.460	-4.540
0.831	-4.688	1.545	5.000	36.90	33.766	-3.134
0.832	-4.826	2.939	5.000	36.80	34.921	-1.879
0.833	-4.963	4.045	5.000	36.70	35.791	-0.909
0.834	-5.099	4.755	5.000	36.60	36.265	-0.335
0.835	-5.233	5.000	5.000	36.50	36.275	-0.225
0.836	-5.366	4.755	5.000	36.40	35.797	-0.603
0.837	-5.498	4.045	5.000	36.30	34.855	-1.445
0.838	-5.629	2.939	5.000	36.20	33.518	-2.682
0.839	-5.758	1.545	5.000	36.10	31.895	-4.205
0.84	-5.885	0.000	5.000	36.00	30.122	-5.878
0.841	-6.012	-1.545	5.000	35.90	28.351	-7.549
0.842	-6.136	-2.939	5.000	35.80	26.732	-9.068
0.843	-6.260	-4.045	5.000	35.70	25.403	-10.298
0.844	-6.381	-4.755	5.000	35.60	24.471	-11.130
0.845	-6.502	-5.000	5.000	35.50	24.006	-11.495
0.846	-6.620	-4.755	5.000	35.40	24.032	-11.368
0.847	-6.737	-4.045	5.000	35.30	24.525	-10.775
0.848	-6.852	-2.939	5.000	35.20	25.416	-9.784
0.849	-6.966	-1.545	5.000	35.10	26.596	-8.504
0.85	-7.078	0.000	5.000	35.00	27.929	-7.071
0.851	-7.188	1.545	5.000	34.90	29.264	-5.636
0.852	-7.296	2.939	5.000	34.80	30.449	-4.351
0.853	-7.402	4.045	5.000	34.70	31.349	-3.351
0.854	-7.507	4.755	5.000	34.60	31.854	-2.746
0.855	-7.610	5.000	5.000	34.50	31.896	-2.604
0.856	-7.711	4.755	5.000	34.40	31.450	-2.950
0.857	-7.810	4.045	5.000	34.30	30.541	-3.759
0.858	-7.907	2.939	5.000	34.20	29.237	-4.963
0.859	-8.002	1.545	5.000	34.10	27.648	-6.452
0.86	-8.095	0.000	5.000	34.00	25.910	-8.090
0.861	-8.187	-1.545	5.000	33.90	24.173	-9.727
0.862	-8.276	-2.939	5.000	33.80	22.590	-11.210
0.863	-8.363	-4.045	5.000	33.70	21.297	-12.403
0.864	-8.448	-4.755	5.000	33.60	20.401	-13.199
0.865	-8.531	-5.000	5.000	33.50	19.974	-13.526
0.866	-8.612	-4.755	5.000	33.40	20.037	-13.363
0.867	-8.691	-4.045	5.000	33.30	20.569	-12.731
0.868	-8.767	-2.939	5.000	33.20	21.498	-11.702
0.869	-8.842	-1.545	5.000	33.10	22.717	-10.383
0.87	-8.914	0.000	5.000	33.00	24.090	-8.910
0.871	-8.984	1.545	5.000	32.90	25.465	-7.435
0.872	-9.052	2.939	5.000	32.80	26.691	-6.109
0.873	-9.118	4.045	5.000	32.70	27.631	-5.069
0.874	-9.181	4.755	5.000	32.60	28.178	-4.422
0.875	-9.242	5.000	5.000	32.50	28.261	-4.239
0.876	-9.301	4.755	5.000	32.40	27.858	-4.542
0.877	-9.357	4.045	5.000	32.30	26.991	-5.309
0.878	-9.412	2.939	5.000	32.20	25.730	-6.470
0.879	-9.464	1.545	5.000	32.10	24.184	-7.916
0.88	-9.513	0.000	5.000	32.00	22.489	-9.511
0.881	-9.560	-1.545	5.000	31.90	20.797	-11.103
0.882	-9.605	-2.939	5.000	31.80	19.258	-12.542
0.883	-9.648	-4.045	5.000	31.70	18.009	-13.691
0.884	-9.688	-4.755	5.000	31.60	17.159	-14.441
0.885	-9.726	-5.000	5.000	31.50	16.776	-14.724
0.886	-9.761	-4.755	5.000	31.40	16.886	-14.515

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0.887	-9.794	-4.045	5.000	31.30	17.463	-13.837
0.888	-9.824	-2.939	5.000	31.20	18.438	-12.762
0.889	-9.852	-1.545	5.000	31.10	19.704	-11.396
0.89	-9.878	0.000	5.000	31.00	21.123	-9.877
0.891	-9.901	1.545	5.000	30.90	22.545	-8.355
0.892	-9.922	2.939	5.000	30.80	23.818	-6.982
0.893	-9.940	4.045	5.000	30.70	24.806	-5.894
0.894	-9.956	4.755	5.000	30.60	25.400	-5.200
0.895	-9.970	5.000	5.000	30.50	25.531	-4.969
0.896	-9.981	4.755	5.000	30.40	25.175	-5.225
0.897	-9.989	4.045	5.000	30.30	24.356	-5.944
0.898	-9.995	2.939	5.000	30.20	23.144	-7.056
0.899	-9.999	1.545	5.000	30.10	21.646	-8.454
0.9	-10.000	0.000	5.000	30.00	20.000	-10.000
0.901	-9.999	-1.545	5.000	29.90	18.356	-11.544
0.902	-9.995	-2.939	5.000	29.80	16.866	-12.934
0.903	-9.989	-4.045	5.000	29.70	15.666	-14.034
0.904	-9.980	-4.755	5.000	29.60	14.864	-14.736
0.905	-9.969	-5.000	5.000	29.50	14.531	-14.969
0.906	-9.955	-4.755	5.000	29.40	14.689	-14.711
0.907	-9.939	-4.045	5.000	29.30	15.315	-13.985
0.908	-9.920	-2.939	5.000	29.20	16.340	-12.860
0.909	-9.899	-1.545	5.000	29.10	17.655	-11.445
0.91	-9.876	0.000	5.000	29.00	19.123	-9.877
0.911	-9.850	1.545	5.000	28.90	20.594	-8.306
0.912	-9.821	2.939	5.000	28.80	21.916	-6.884
0.913	-9.791	4.045	5.000	28.70	22.953	-5.747
0.914	-9.758	4.755	5.000	28.60	23.596	-5.004
0.915	-9.722	5.000	5.000	28.50	23.776	-4.724
0.916	-9.684	4.755	5.000	28.40	23.469	-4.931
0.917	-9.644	4.045	5.000	28.30	22.700	-5.601
0.918	-9.601	2.939	5.000	28.20	21.536	-6.664
0.919	-9.556	1.545	5.000	28.10	20.087	-8.013
0.92	-9.508	0.000	5.000	28.00	18.489	-9.511
0.921	-9.458	-1.545	5.000	27.90	16.894	-11.006
0.922	-9.406	-2.939	5.000	27.80	15.452	-12.348
0.923	-9.352	-4.045	5.000	27.70	14.301	-13.400
0.924	-9.295	-4.755	5.000	27.60	13.547	-14.053
0.925	-9.236	-5.000	5.000	27.50	13.261	-14.239
0.926	-9.175	-4.755	5.000	27.40	13.467	-13.933
0.927	-9.111	-4.045	5.000	27.30	14.141	-13.159
0.928	-9.045	-2.939	5.000	27.20	15.213	-11.987
0.929	-8.977	-1.545	5.000	27.10	16.575	-10.525
0.93	-8.907	0.000	5.000	27.00	18.090	-8.910
0.931	-8.834	1.545	5.000	26.90	19.608	-7.293
0.932	-8.760	2.939	5.000	26.80	20.976	-5.824
0.933	-8.683	4.045	5.000	26.70	22.059	-4.641
0.934	-8.604	4.755	5.000	26.60	22.748	-3.852
0.935	-8.523	5.000	5.000	26.50	22.974	-3.526
0.936	-8.440	4.755	5.000	26.40	22.712	-3.688
0.937	-8.354	4.045	5.000	26.30	21.987	-4.313
0.938	-8.267	2.939	5.000	26.20	20.868	-5.332
0.939	-8.178	1.545	5.000	26.10	19.464	-6.636
0.94	-8.086	0.000	5.000	26.00	17.910	-8.090
0.941	-7.993	-1.545	5.000	25.90	16.358	-9.542
0.942	-7.897	-2.939	5.000	25.80	14.960	-10.841
0.943	-7.800	-4.045	5.000	25.70	13.851	-11.849
0.944	-7.701	-4.755	5.000	25.60	13.140	-12.460
0.945	-7.600	-5.000	5.000	25.50	12.896	-12.604
0.946	-7.497	-4.755	5.000	25.40	13.144	-12.256
0.947	-7.392	-4.045	5.000	25.30	13.859	-11.441
0.948	-7.285	-2.939	5.000	25.20	14.971	-10.229
0.949	-7.177	-1.545	5.000	25.10	16.374	-8.726
0.95	-7.066	0.000	5.000	25.00	17.929	-7.071

Data Repository Item

0.951	-6.954	1.545	5.000	24.90	19.486	-5.414
0.952	-6.841	2.939	5.000	24.80	20.894	-3.907
0.953	-6.725	4.045	5.000	24.70	22.015	-2.685
0.954	-6.608	4.755	5.000	24.60	22.742	-1.858
0.955	-6.490	5.000	5.000	24.50	23.006	-1.494
0.956	-6.369	4.755	5.000	24.40	22.781	-1.619
0.957	-6.247	4.045	5.000	24.30	22.093	-2.207
0.958	-6.124	2.939	5.000	24.20	21.010	-3.190
0.959	-5.999	1.545	5.000	24.10	19.641	-4.459
0.96	-5.873	0.000	5.000	24.00	18.122	-5.878
0.961	-5.745	-1.545	5.000	23.90	16.605	-7.295
0.962	-5.616	-2.939	5.000	23.80	15.240	-8.560
0.963	-5.485	-4.045	5.000	23.70	14.165	-9.535
0.964	-5.353	-4.755	5.000	23.60	13.486	-10.114
0.965	-5.220	-5.000	5.000	23.50	13.275	-10.225
0.966	-5.085	-4.755	5.000	23.40	13.554	-9.846
0.967	-4.949	-4.045	5.000	23.30	14.300	-9.000
0.968	-4.812	-2.939	5.000	23.20	15.444	-7.756
0.969	-4.674	-1.545	5.000	23.10	16.876	-6.224
0.97	-4.535	0.000	5.000	23.00	18.460	-4.540
0.971	-4.394	1.545	5.000	22.90	20.046	-2.854
0.972	-4.252	2.939	5.000	22.80	21.481	-1.319
0.973	-4.110	4.045	5.000	22.70	22.630	-0.070
0.974	-3.966	4.755	5.000	22.60	23.384	0.784
0.975	-3.821	5.000	5.000	22.50	23.673	1.173
0.976	-3.676	4.755	5.000	22.40	23.474	1.074
0.977	-3.529	4.045	5.000	22.30	22.810	0.510
0.978	-3.382	2.939	5.000	22.20	21.752	-0.448
0.979	-3.234	1.545	5.000	22.10	20.406	-1.694
0.98	-3.085	0.000	5.000	22.00	18.910	-3.090
0.981	-2.935	-1.545	5.000	21.90	17.415	-4.486
0.982	-2.784	-2.939	5.000	21.80	16.071	-5.729
0.983	-2.633	-4.045	5.000	21.70	15.016	-6.684
0.984	-2.481	-4.755	5.000	21.60	14.358	-7.242
0.985	-2.329	-5.000	5.000	21.50	14.166	-7.334
0.986	-2.176	-4.755	5.000	21.40	14.463	-6.937
0.987	-2.022	-4.045	5.000	21.30	15.227	-6.073
0.988	-1.868	-2.939	5.000	21.20	16.387	-4.813
0.989	-1.714	-1.545	5.000	21.10	17.836	-3.264
0.99	-1.559	0.000	5.000	21.00	19.436	-1.564
0.991	-1.404	1.545	5.000	20.90	21.036	0.136
0.992	-1.248	2.939	5.000	20.80	22.486	1.686
0.993	-1.092	4.045	5.000	20.70	23.648	2.948
0.994	-0.936	4.755	5.000	20.60	24.414	3.814
0.995	-0.779	5.000	5.000	20.50	24.715	4.215
0.996	-0.623	4.755	5.000	20.40	24.527	4.127
0.997	-0.466	4.045	5.000	20.30	23.874	3.574
0.998	-0.309	2.939	5.000	20.20	22.825	2.625
0.999	-0.152	1.545	5.000	20.10	21.488	1.388
1	0.005	0.000	5.000	20.00	20.000	0.000
1.001	0.162	-1.545	5.000	19.90	18.512	-1.388
1.002	0.319	-2.939	5.000	19.80	17.175	-2.625
1.003	0.476	-4.045	5.000	19.70	16.126	-3.574
1.004	0.633	-4.755	5.000	19.60	15.473	-4.127
1.005	0.790	-5.000	5.000	19.50	15.285	-4.215
1.006	0.946	-4.755	5.000	19.40	15.586	-3.814
1.007	1.102	-4.045	5.000	19.30	16.352	-2.948
1.008	1.258	-2.939	5.000	19.20	17.514	-1.686
1.009	1.414	-1.545	5.000	19.10	18.964	-0.136
1.01	1.569	0.000	5.000	19.00	20.564	1.564
1.011	1.724	1.545	5.000	18.90	22.164	3.264
1.012	1.879	2.939	5.000	18.80	23.613	4.813
1.013	2.033	4.045	5.000	18.70	24.773	6.073
1.014	2.186	4.755	5.000	18.60	25.537	6.937

Data Repository Item

1.015	2.339	5.000	5.000	18.50	25.835	7.334
1.016	2.492	4.755	5.000	18.40	25.642	7.242
1.017	2.643	4.045	5.000	18.30	24.984	6.684
1.018	2.794	2.939	5.000	18.20	23.929	5.729
1.019	2.945	1.545	5.000	18.10	22.586	4.485
1.02	3.095	0.000	5.000	18.00	21.090	3.090
1.021	3.244	-1.545	5.000	17.90	19.594	1.694
1.022	3.392	-2.939	5.000	17.80	18.249	0.448
1.023	3.539	-4.045	5.000	17.70	17.190	-0.510
1.024	3.686	-4.755	5.000	17.60	16.526	-1.074
1.025	3.831	-5.000	5.000	17.50	16.327	-1.173
1.026	3.976	-4.755	5.000	17.40	16.616	-0.784
1.027	4.119	-4.045	5.000	17.30	17.370	0.070
1.028	4.262	-2.939	5.000	17.20	18.519	1.319
1.029	4.403	-1.545	5.000	17.10	19.954	2.854
1.03	4.544	0.000	5.000	17.00	21.540	4.540
1.031	4.683	1.545	5.000	16.90	23.124	6.224
1.032	4.821	2.939	5.000	16.80	24.557	7.756
1.033	4.958	4.045	5.000	16.70	25.700	9.000
1.034	5.094	4.755	5.000	16.60	26.446	9.846
1.035	5.229	5.000	5.000	16.50	26.725	10.225
1.036	5.362	4.755	5.000	16.40	26.514	10.114
1.037	5.494	4.045	5.000	16.30	25.835	9.535
1.038	5.624	2.939	5.000	16.20	24.760	8.560
1.039	5.754	1.545	5.000	16.10	23.395	7.295
1.04	5.881	0.000	5.000	16.00	21.878	5.878
1.041	6.008	-1.545	5.000	15.90	20.359	4.459
1.042	6.132	-2.939	5.000	15.80	18.990	3.190
1.043	6.256	-4.045	5.000	15.70	17.907	2.207
1.044	6.377	-4.755	5.000	15.60	17.219	1.619
1.045	6.498	-5.000	5.000	15.50	16.995	1.494
1.046	6.616	-4.755	5.000	15.40	17.258	1.858
1.047	6.733	-4.045	5.000	15.30	17.985	2.685
1.048	6.848	-2.939	5.000	15.20	19.107	3.907
1.049	6.962	-1.545	5.000	15.10	20.514	5.414
1.05	7.074	0.000	5.000	15.00	22.071	7.071
1.051	7.184	1.545	5.000	14.90	23.626	8.726
1.052	7.292	2.939	5.000	14.80	25.029	10.229
1.053	7.399	4.045	5.000	14.70	26.141	11.441
1.054	7.504	4.755	5.000	14.60	26.856	12.256
1.055	7.607	5.000	5.000	14.50	27.104	12.604
1.056	7.708	4.755	5.000	14.40	26.860	12.460
1.057	7.807	4.045	5.000	14.30	26.149	11.849
1.058	7.904	2.939	5.000	14.20	25.041	10.841
1.059	7.999	1.545	5.000	14.10	23.642	9.542
1.06	8.092	0.000	5.000	14.00	22.090	8.090
1.061	8.184	-1.545	5.000	13.90	20.536	6.636
1.062	8.273	-2.939	5.000	13.80	19.132	5.332
1.063	8.360	-4.045	5.000	13.70	18.013	4.313
1.064	8.445	-4.755	5.000	13.60	17.288	3.688
1.065	8.528	-5.000	5.000	13.50	17.026	3.526
1.066	8.609	-4.755	5.000	13.40	17.252	3.852
1.067	8.688	-4.045	5.000	13.30	17.941	4.641
1.068	8.765	-2.939	5.000	13.20	19.024	5.824
1.069	8.839	-1.545	5.000	13.10	20.393	7.293
1.07	8.912	0.000	5.000	13.00	21.910	8.910
1.071	8.982	1.545	5.000	12.90	23.425	10.525
1.072	9.050	2.939	5.000	12.80	24.787	11.987
1.073	9.115	4.045	5.000	12.70	25.859	13.159
1.074	9.179	4.755	5.000	12.60	26.533	13.933
1.075	9.240	5.000	5.000	12.50	26.739	14.239
1.076	9.299	4.755	5.000	12.40	26.453	14.053
1.077	9.356	4.045	5.000	12.30	25.700	13.400
1.078	9.410	2.939	5.000	12.20	24.548	12.348

Data Repository Item

1.079	9.462	1.545	5.000	12.10	23.106	11.006
1.08	9.512	0.000	5.000	12.00	21.511	9.511
1.081	9.559	-1.545	5.000	11.90	19.913	8.013
1.082	9.604	-2.939	5.000	11.80	18.464	6.664
1.083	9.646	-4.045	5.000	11.70	17.301	5.600
1.084	9.687	-4.755	5.000	11.60	16.531	4.931
1.085	9.724	-5.000	5.000	11.50	16.224	4.724
1.086	9.760	-4.755	5.000	11.40	16.404	5.004
1.087	9.793	-4.045	5.000	11.30	17.047	5.747
1.088	9.823	-2.939	5.000	11.20	18.084	6.884
1.089	9.852	-1.545	5.000	11.10	19.406	8.306
1.09	9.877	0.000	5.000	11.00	20.877	9.877
1.091	9.901	1.545	5.000	10.90	22.345	11.445
1.092	9.922	2.939	5.000	10.80	23.660	12.860
1.093	9.940	4.045	5.000	10.70	24.685	13.985
1.094	9.956	4.755	5.000	10.60	25.311	14.711
1.095	9.969	5.000	5.000	10.50	25.469	14.969
1.096	9.980	4.755	5.000	10.40	25.136	14.736
1.097	9.989	4.045	5.000	10.30	24.334	14.034
1.098	9.995	2.939	5.000	10.20	23.134	12.934
1.099	9.999	1.545	5.000	10.10	21.644	11.544
1.1	10.000	0.000	5.000	10.00	20.000	10.000
1.101	9.999	-1.545	5.000	9.90	18.354	8.454
1.102	9.995	-2.939	5.000	9.80	16.856	7.056
1.103	9.989	-4.045	5.000	9.70	15.644	5.944
1.104	9.980	-4.755	5.000	9.60	14.825	5.225
1.105	9.969	-5.000	5.000	9.50	14.469	4.969
1.106	9.955	-4.755	5.000	9.40	14.600	5.200
1.107	9.939	-4.045	5.000	9.30	15.195	5.895
1.108	9.921	-2.939	5.000	9.20	16.182	6.982
1.109	9.900	-1.545	5.000	9.10	17.455	8.355
1.11	9.877	0.000	5.000	9.00	18.877	9.877
1.111	9.851	1.545	5.000	8.90	20.296	11.396
1.112	9.822	2.939	5.000	8.80	21.562	12.762
1.113	9.792	4.045	5.000	8.70	22.537	13.837
1.114	9.759	4.755	5.000	8.60	23.115	14.515
1.115	9.723	5.000	5.000	8.50	23.224	14.724
1.116	9.685	4.755	5.000	8.40	22.841	14.441
1.117	9.645	4.045	5.000	8.30	21.991	13.691
1.118	9.602	2.939	5.000	8.20	20.742	12.542
1.119	9.557	1.545	5.000	8.10	19.203	11.103
1.12	9.510	0.000	5.000	8.00	17.511	9.511
1.121	9.460	-1.545	5.000	7.90	15.816	7.916
1.122	9.408	-2.939	5.000	7.80	14.270	6.470
1.123	9.354	-4.045	5.000	7.70	13.009	5.309
1.124	9.297	-4.755	5.000	7.60	12.143	4.542
1.125	9.238	-5.000	5.000	7.50	11.739	4.239
1.126	9.177	-4.755	5.000	7.40	11.822	4.422
1.127	9.113	-4.045	5.000	7.30	12.369	5.069
1.128	9.047	-2.939	5.000	7.20	13.309	6.109
1.129	8.979	-1.545	5.000	7.10	14.535	7.435
1.13	8.909	0.000	5.000	7.00	15.910	8.910
1.131	8.837	1.545	5.000	6.90	17.283	10.383
1.132	8.762	2.939	5.000	6.80	18.502	11.702
1.133	8.685	4.045	5.000	6.70	19.431	12.731
1.134	8.607	4.755	5.000	6.60	19.963	13.363
1.135	8.526	5.000	5.000	6.50	20.026	13.526
1.136	8.442	4.755	5.000	6.40	19.599	13.199
1.137	8.357	4.045	5.000	6.30	18.703	12.403
1.138	8.270	2.939	5.000	6.20	17.410	11.210
1.139	8.181	1.545	5.000	6.10	15.827	9.727
1.14	8.089	0.000	5.000	6.00	14.090	8.090
1.141	7.996	-1.545	5.000	5.90	12.352	6.452
1.142	7.901	-2.939	5.000	5.80	10.763	4.963

Data Repository Item

1.143	7.803	-4.045	5.000	5.70	9.459	3.759
1.144	7.704	-4.755	5.000	5.60	8.550	2.950
1.145	7.603	-5.000	5.000	5.50	8.104	2.604
1.146	7.500	-4.755	5.000	5.40	8.146	2.746
1.147	7.395	-4.045	5.000	5.30	8.651	3.351
1.148	7.289	-2.939	5.000	5.20	9.551	4.351
1.149	7.180	-1.545	5.000	5.10	10.736	5.636
1.15	7.070	0.000	5.000	5.00	12.071	7.071
1.151	6.958	1.545	5.000	4.90	13.404	8.504
1.152	6.845	2.939	5.000	4.80	14.584	9.784
1.153	6.729	4.045	5.000	4.70	15.475	10.775
1.154	6.612	4.755	5.000	4.60	15.968	11.368
1.155	6.494	5.000	5.000	4.50	15.995	11.495
1.156	6.373	4.755	5.000	4.40	15.530	11.130
1.157	6.252	4.045	5.000	4.30	14.598	10.298
1.158	6.128	2.939	5.000	4.20	13.268	9.068
1.159	6.003	1.545	5.000	4.10	11.649	7.549
1.16	5.877	0.000	5.000	4.00	9.878	5.878
1.161	5.749	-1.545	5.000	3.90	8.105	4.205
1.162	5.620	-2.939	5.000	3.80	6.482	2.682
1.163	5.489	-4.045	5.000	3.70	5.145	1.445
1.164	5.357	-4.755	5.000	3.60	4.203	0.603
1.165	5.224	-5.000	5.000	3.50	3.725	0.225
1.166	5.090	-4.755	5.000	3.40	3.735	0.335
1.167	4.954	-4.045	5.000	3.30	4.210	0.910
1.168	4.817	-2.939	5.000	3.20	5.079	1.879
1.169	4.679	-1.545	5.000	3.10	6.234	3.134
1.17	4.539	0.000	5.000	3.00	7.540	4.540
1.171	4.399	1.545	5.000	2.90	8.844	5.944
1.172	4.257	2.939	5.000	2.80	9.997	7.197
1.173	4.115	4.045	5.000	2.70	10.860	8.160
1.174	3.971	4.755	5.000	2.60	11.327	8.727
1.175	3.826	5.000	5.000	2.50	11.327	8.827
1.176	3.681	4.755	5.000	2.40	10.837	8.437
1.177	3.534	4.045	5.000	2.30	9.880	7.580
1.178	3.387	2.939	5.000	2.20	8.526	6.326
1.179	3.239	1.545	5.000	2.10	6.884	4.784
1.18	3.090	0.000	5.000	2.00	5.090	3.090
1.181	2.940	-1.545	5.000	1.90	3.295	1.395
1.182	2.789	-2.939	5.000	1.80	1.651	-0.149
1.183	2.638	-4.045	5.000	1.70	0.294	-1.406
1.184	2.486	-4.755	5.000	1.60	-0.668	-2.268
1.185	2.334	-5.000	5.000	1.50	-1.166	-2.666
1.186	2.181	-4.755	5.000	1.40	-1.174	-2.574
1.187	2.028	-4.045	5.000	1.30	-0.717	-2.017
1.188	1.874	-2.939	5.000	1.20	0.135	-1.065
1.189	1.719	-1.545	5.000	1.10	1.274	0.174
1.19	1.564	0.000	5.000	1.00	2.564	1.564
1.191	1.409	1.545	5.000	0.90	3.854	2.954
1.192	1.253	2.939	5.000	0.80	4.992	4.192
1.193	1.097	4.045	5.000	0.70	5.842	5.142
1.194	0.941	4.755	5.000	0.60	6.296	5.696
1.195	0.784	5.000	5.000	0.50	6.285	5.785
1.196	0.628	4.755	5.000	0.40	5.783	5.383
1.197	0.471	4.045	5.000	0.30	4.816	4.516
1.198	0.314	2.939	5.000	0.20	3.453	3.253
1.199	0.157	1.545	5.000	0.10	1.802	1.702
1.200	0.000	0.000	5.000	0.00	0.000	0.000

Data Repository Item**TABLE DR6.** TIME-DOMAIN OUTPUT OF MODEL RUN SIN 2

Time (m.y. before run end)	Bulk resampled (vol% mud)	Bulk detrended (vol% mud)	LP component (vol% mud)	SP component (vol% mud)	Demodulated SP component (vol% mud)
0.000	25.112	-15.623	-6.176	-2.217	2.535
0.001	27.082	-13.630	-6.243	-1.552	3.331
0.002	29.052	-11.636	-6.301	-0.455	3.459
0.003	31.021	-9.643	-6.348	0.961	4.030
0.004	33.709	-6.931	-6.386	2.519	4.305
0.005	36.478	-4.139	-6.413	3.992	4.822
0.006	39.246	-1.347	-6.430	5.136	5.259
0.007	38.536	-2.033	-6.435	5.726	5.781
0.008	36.948	-3.598	-6.429	5.591	6.360
0.009	35.359	-5.162	-6.411	4.647	6.914
0.010	32.243	-8.255	-6.382	2.914	7.580
0.011	28.465	-12.009	-6.340	0.523	8.165
0.012	24.686	-15.764	-6.286	-2.292	8.854
0.013	21.977	-18.450	-6.220	-5.221	9.451
0.014	19.989	-20.414	-6.141	-7.913	10.104
0.015	18.001	-22.378	-6.049	-10.023	10.683
0.016	17.480	-22.875	-5.944	-11.249	11.256
0.017	18.449	-21.882	-5.827	-11.381	11.786
0.018	19.418	-20.890	-5.697	-10.323	12.255
0.019	21.802	-18.482	-5.554	-8.117	12.709
0.020	26.351	-13.910	-5.397	-4.937	13.069
0.021	30.899	-9.337	-5.229	-1.075	13.433
0.022	35.553	-4.659	-5.047	3.087	13.698
0.023	40.459	0.271	-4.853	7.119	13.970
0.024	45.365	5.200	-4.647	10.593	14.163
0.025	49.422	9.280	-4.428	13.126	14.356
0.026	49.945	9.828	-4.197	14.424	14.506
0.027	50.469	10.375	-3.955	14.319	14.642
0.028	50.580	10.510	-3.701	12.785	14.774
0.029	46.668	6.622	-3.435	9.945	14.880
0.030	42.756	2.734	-3.159	6.061	15.011
0.031	38.844	-1.154	-2.872	1.507	15.109
0.032	34.630	-5.345	-2.575	-3.271	15.245
0.033	30.413	-9.538	-2.268	-7.793	15.349
0.034	26.196	-13.731	-1.951	-11.604	15.483
0.035	25.187	-14.717	-1.625	-14.315	15.593
0.036	24.567	-15.312	-1.291	-15.644	15.711
0.037	23.948	-15.908	-0.948	-15.447	15.815
0.038	26.957	-12.875	-0.598	-13.733	15.899
0.039	30.926	-8.882	-0.241	-10.663	15.981
0.040	34.895	-4.889	0.124	-6.537	16.021
0.041	40.337	0.576	0.494	-1.759	16.064
0.042	46.441	6.704	0.870	3.196	16.056
0.043	52.544	12.831	1.252	7.840	16.051
0.044	56.399	16.710	1.638	11.711	15.998
0.045	58.686	19.021	2.028	14.427	15.942
0.046	60.974	21.332	2.421	15.723	15.854
0.047	61.287	21.669	2.818	15.477	15.753
0.048	59.533	19.939	3.217	13.724	15.643
0.049	57.780	18.209	3.618	10.650	15.512
0.050	54.805	15.258	4.020	6.572	15.391
0.051	49.900	10.377	4.423	1.909	15.247
0.052	44.996	5.497	4.827	-2.868	15.124
0.053	40.564	1.089	5.230	-7.282	14.980
0.054	37.307	-2.145	5.632	-10.900	14.855
0.055	34.050	-5.378	6.033	-13.377	14.715

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0.056	31.822	-7.582	6.432	-14.490	14.582
0.057	34.102	-5.278	6.828	-14.158	14.442
0.058	36.381	-2.975	7.222	-12.450	14.290
0.059	38.981	-0.352	7.613	-9.570	14.139
0.060	45.011	5.702	7.999	-5.835	13.962
0.061	51.042	11.757	8.381	-1.638	13.787
0.062	57.072	17.811	8.759	2.593	13.579
0.063	59.102	19.865	9.131	6.441	13.373
0.064	61.069	21.855	9.498	9.542	13.134
0.065	63.036	23.846	9.859	11.619	12.892
0.066	63.117	23.951	10.214	12.506	12.628
0.067	62.950	23.808	10.561	12.161	12.354
0.068	62.784	23.665	10.902	10.666	12.073
0.069	61.362	22.267	11.236	8.212	11.779
0.070	59.592	20.521	11.561	5.078	11.495
0.071	57.823	18.776	11.879	1.599	11.198
0.072	54.481	15.458	12.189	-1.871	10.922
0.073	50.407	11.407	12.490	-4.993	10.637
0.074	46.333	7.357	12.782	-7.479	10.375
0.075	44.277	5.325	13.066	-9.116	10.112
0.076	43.674	4.746	13.340	-9.784	9.865
0.077	43.072	4.167	13.605	-9.466	9.625
0.078	44.873	5.992	13.861	-8.243	9.389
0.079	49.272	10.415	14.107	-6.283	9.166
0.080	53.671	14.838	14.343	-3.816	8.935
0.081	57.022	18.212	14.569	-1.111	8.719
0.082	58.661	19.876	14.786	1.556	8.489
0.083	60.301	21.539	14.993	3.928	8.270
0.084	61.482	22.744	15.189	5.794	8.035
0.085	61.481	22.767	15.376	7.002	7.804
0.086	61.481	22.790	15.552	7.478	7.564
0.087	61.414	22.747	15.719	7.220	7.322
0.088	61.048	22.404	15.875	6.299	7.080
0.089	60.681	22.061	16.022	4.842	6.831
0.090	60.217	21.622	16.158	3.023	6.595
0.091	58.604	20.032	16.284	1.036	6.353
0.092	56.990	18.442	16.401	-0.918	6.131
0.093	55.377	16.852	16.507	-2.658	5.908
0.094	53.274	14.773	16.604	-4.029	5.709
0.095	51.159	12.682	16.691	-4.925	5.516
0.096	49.044	10.591	16.769	-5.288	5.343
0.097	50.288	11.859	16.837	-5.115	5.184
0.098	52.008	13.603	16.896	-4.453	5.038
0.099	53.728	15.346	16.945	-3.393	4.912
0.100	55.194	16.836	16.986	-2.059	4.789
0.101	56.587	18.253	17.017	-0.592	4.686
0.102	57.980	19.670	17.039	0.861	4.580
0.103	58.575	20.289	17.053	2.164	4.490
0.104	58.785	20.522	17.058	3.200	4.393
0.105	58.995	20.756	17.055	3.885	4.306
0.106	58.948	20.733	17.044	4.172	4.213
0.107	58.711	20.519	17.024	4.052	4.122
0.108	58.474	20.306	16.996	3.554	4.031
0.109	58.021	19.877	16.961	2.742	3.936
0.110	57.329	19.208	16.918	1.704	3.850
0.111	56.636	18.540	16.867	0.544	3.758
0.112	55.705	17.632	16.809	-0.624	3.681
0.113	54.370	16.322	16.744	-1.691	3.602
0.114	53.036	15.011	16.672	-2.560	3.541
0.115	51.983	13.982	16.593	-3.153	3.483
0.116	51.685	13.708	16.507	-3.422	3.442
0.117	51.387	13.434	16.415	-3.347	3.412
0.118	51.343	13.413	16.317	-2.939	3.392
0.119	52.528	14.622	16.212	-2.243	3.390

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0.120	53.714	15.832	16.101	-1.328	3.390
0.121	54.861	17.002	15.984	-0.282	3.408
0.122	55.487	17.653	15.861	0.795	3.422
0.123	56.114	18.303	15.733	1.798	3.449
0.124	56.741	18.954	15.599	2.631	3.469
0.125	56.703	18.940	15.460	3.216	3.495
0.126	56.644	18.904	15.315	3.494	3.513
0.127	56.585	18.869	15.166	3.439	3.528
0.128	55.980	18.288	15.011	3.054	3.540
0.129	55.292	17.624	14.851	2.374	3.541
0.130	54.605	16.960	14.687	1.463	3.545
0.131	53.499	15.878	14.518	0.407	3.537
0.132	52.266	14.669	14.345	-0.692	3.537
0.133	51.034	13.461	14.167	-1.727	3.527
0.134	49.920	12.371	13.985	-2.598	3.528
0.135	48.867	11.341	13.799	-3.217	3.526
0.136	47.813	10.311	13.609	-3.519	3.534
0.137	47.678	10.200	13.415	-3.472	3.549
0.138	48.248	10.794	13.217	-3.074	3.570
0.139	48.818	11.387	13.015	-2.360	3.604
0.140	49.601	12.194	12.809	-1.394	3.640
0.141	50.629	13.246	12.600	-0.268	3.692
0.142	51.657	14.298	12.388	0.910	3.742
0.143	52.444	15.108	12.172	2.024	3.804
0.144	52.808	15.496	11.953	2.964	3.860
0.145	53.172	15.884	11.730	3.633	3.922
0.146	53.280	16.015	11.505	3.962	3.977
0.147	52.669	15.428	11.276	3.910	4.028
0.148	52.057	14.841	11.045	3.477	4.075
0.149	51.324	14.131	10.811	2.699	4.110
0.150	49.959	12.790	10.573	1.645	4.145
0.151	48.595	11.450	10.334	0.414	4.166
0.152	47.223	10.101	10.091	-0.874	4.190
0.153	45.726	8.629	9.846	-2.095	4.202
0.154	44.230	7.156	9.598	-3.126	4.218
0.155	42.734	5.684	9.348	-3.862	4.229
0.156	42.404	5.378	9.096	-4.226	4.245
0.157	42.121	5.118	8.842	-4.173	4.263
0.158	41.838	4.859	8.585	-3.704	4.284
0.159	42.771	5.816	8.326	-2.856	4.316
0.160	43.901	6.970	8.065	-1.708	4.349
0.161	45.032	8.124	7.802	-0.369	4.397
0.162	46.040	9.156	7.537	1.033	4.444
0.163	47.009	10.149	7.271	2.359	4.503
0.164	47.979	11.143	7.003	3.476	4.560
0.165	48.193	11.381	6.733	4.272	4.622
0.166	48.017	11.228	6.461	4.661	4.680
0.167	47.840	11.075	6.188	4.600	4.735
0.168	46.995	10.253	5.914	4.088	4.786
0.169	45.619	8.902	5.638	3.169	4.826
0.170	44.244	7.551	5.361	1.928	4.864
0.171	42.664	5.994	5.082	0.483	4.889
0.172	40.840	4.194	4.803	-1.025	4.912
0.173	39.017	2.394	4.522	-2.450	4.923
0.174	37.449	0.851	4.241	-3.648	4.934
0.175	36.344	-0.231	3.958	-4.499	4.937
0.176	35.239	-1.312	3.675	-4.915	4.941
0.177	34.597	-1.930	3.391	-4.849	4.945
0.178	35.306	-1.198	3.107	-4.302	4.949
0.179	36.014	-0.466	2.822	-3.325	4.960
0.180	36.826	0.370	2.536	-2.008	4.973
0.181	38.203	1.771	2.250	-0.479	4.999
0.182	39.581	3.172	1.964	1.113	5.025
0.183	40.912	4.527	1.677	2.611	5.065

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0.184	41.429	5.068	1.391	3.865	5.104
0.185	41.946	5.609	1.104	4.750	5.151
0.186	42.464	6.151	0.817	5.175	5.197
0.187	41.504	5.215	0.530	5.094	5.241
0.188	40.473	4.207	0.244	4.513	5.283
0.189	39.441	3.199	-0.042	3.484	5.316
0.190	37.625	1.406	-0.328	2.106	5.348
0.191	35.672	-0.522	-0.614	0.512	5.366
0.192	33.720	-2.450	-0.899	-1.142	5.382
0.193	31.988	-4.159	-1.183	-2.693	5.385
0.194	30.328	-5.795	-1.466	-3.988	5.386
0.195	28.668	-7.432	-1.749	-4.899	5.377
0.196	28.026	-8.049	-2.031	-5.335	5.365
0.197	27.930	-8.122	-2.312	-5.250	5.350
0.198	27.834	-8.194	-2.592	-4.651	5.334
0.199	28.546	-7.458	-2.871	-3.595	5.323
0.200	29.918	-6.063	-3.149	-2.183	5.311
0.201	31.289	-4.667	-3.425	-0.555	5.311
0.202	32.566	-3.367	-3.701	1.132	5.313
0.203	33.727	-2.182	-3.974	2.710	5.329
0.204	34.888	-0.997	-4.247	4.024	5.346
0.205	35.530	-0.332	-4.517	4.943	5.373
0.206	35.203	-0.635	-4.786	5.378	5.402
0.207	34.876	-0.938	-5.053	5.283	5.432
0.208	34.199	-1.591	-5.319	4.666	5.463
0.209	32.462	-3.305	-5.583	3.589	5.488
0.210	30.724	-5.018	-5.844	2.154	5.513
0.211	28.957	-6.762	-6.104	0.504	5.527
0.212	27.017	-8.678	-6.361	-1.200	5.539
0.213	25.078	-10.594	-6.617	-2.791	5.537
0.214	23.185	-12.462	-6.870	-4.112	5.533
0.215	22.272	-13.352	-7.121	-5.034	5.517
0.216	21.358	-14.242	-7.370	-5.466	5.496
0.217	20.444	-15.132	-7.616	-5.366	5.469
0.218	21.324	-14.228	-7.860	-4.745	5.438
0.219	22.307	-13.221	-8.101	-3.665	5.409
0.220	23.291	-12.214	-8.340	-2.232	5.378
0.221	24.696	-10.785	-8.576	-0.587	5.357
0.222	26.179	-9.278	-8.810	1.106	5.336
0.223	27.662	-7.772	-9.041	2.682	5.328
0.224	28.389	-7.021	-9.269	3.987	5.323
0.225	28.857	-6.529	-9.494	4.892	5.328
0.226	29.324	-6.038	-9.716	5.312	5.337
0.227	28.746	-6.593	-9.936	5.206	5.351
0.228	27.588	-7.727	-10.153	4.585	5.367
0.229	26.430	-8.861	-10.366	3.514	5.380
0.230	24.860	-10.407	-10.577	2.098	5.396
0.231	22.944	-12.300	-10.785	0.477	5.402
0.232	21.027	-14.193	-10.990	-1.190	5.409
0.233	19.323	-15.873	-11.192	-2.740	5.404
0.234	17.887	-17.285	-11.390	-4.021	5.396
0.235	16.451	-18.697	-11.586	-4.910	5.376
0.236	15.578	-19.547	-11.778	-5.322	5.350
0.237	15.789	-19.311	-11.967	-5.218	5.317
0.238	16.001	-19.076	-12.153	-4.613	5.278
0.239	16.521	-18.532	-12.336	-3.567	5.239
0.240	18.013	-17.016	-12.516	-2.186	5.195
0.241	19.505	-15.500	-12.693	-0.606	5.159
0.242	20.939	-14.043	-12.866	1.017	5.123
0.243	22.012	-12.946	-13.036	2.524	5.098
0.244	23.085	-11.849	-13.203	3.769	5.076
0.245	24.102	-10.808	-13.367	4.632	5.065
0.246	23.723	-11.163	-13.528	5.030	5.058
0.247	23.345	-11.518	-13.685	4.929	5.058

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0.248	22.966	-11.873	-13.840	4.340	5.063
0.249	21.458	-13.358	-13.991	3.326	5.068
0.250	19.874	-14.917	-14.139	1.987	5.077
0.251	18.291	-16.477	-14.283	0.457	5.081
0.252	16.669	-18.075	-14.425	-1.115	5.086
0.253	15.039	-19.682	-14.563	-2.574	5.081
0.254	13.409	-21.288	-14.699	-3.779	5.074
0.255	12.604	-22.069	-14.831	-4.616	5.056
0.256	12.094	-22.555	-14.960	-5.004	5.032
0.257	11.584	-23.041	-15.087	-4.911	5.000
0.258	12.050	-22.551	-15.210	-4.347	4.961
0.259	13.076	-21.502	-15.330	-3.372	4.919
0.260	14.101	-20.453	-15.447	-2.084	4.872
0.261	15.351	-19.179	-15.561	-0.611	4.831
0.262	16.797	-17.709	-15.672	0.903	4.787
0.263	18.242	-16.240	-15.781	2.309	4.754
0.264	19.222	-15.236	-15.886	3.473	4.723
0.265	19.596	-14.839	-15.989	4.281	4.704
0.266	19.970	-14.441	-16.089	4.658	4.689
0.267	19.874	-14.513	-16.186	4.571	4.683
0.268	18.840	-15.524	-16.280	4.032	4.683
0.269	17.805	-16.535	-16.372	3.095	4.686
0.270	16.637	-17.679	-16.461	1.856	4.695
0.271	15.030	-19.263	-16.547	0.437	4.701
0.272	13.422	-20.846	-16.631	-1.024	4.711
0.273	11.904	-22.341	-16.712	-2.383	4.714
0.274	10.976	-23.245	-16.790	-3.509	4.715
0.275	10.048	-24.149	-16.866	-4.295	4.707
0.276	9.159	-25.014	-16.940	-4.666	4.693
0.277	9.507	-24.643	-17.011	-4.589	4.670
0.278	9.855	-24.271	-17.080	-4.074	4.640
0.279	10.202	-23.900	-17.147	-3.174	4.606
0.280	11.499	-22.579	-17.211	-1.980	4.565
0.281	12.867	-21.187	-17.273	-0.608	4.527
0.282	14.236	-19.795	-17.332	0.806	4.486
0.283	15.343	-18.664	-17.390	2.125	4.453
0.284	16.396	-17.587	-17.445	3.220	4.422
0.285	17.449	-16.510	-17.498	3.986	4.401
0.286	17.465	-16.471	-17.549	4.351	4.386
0.287	17.094	-16.818	-17.598	4.282	4.378
0.288	16.723	-17.165	-17.645	3.787	4.379
0.289	15.697	-18.168	-17.690	2.916	4.384
0.290	14.282	-19.558	-17.733	1.757	4.398
0.291	12.868	-20.949	-17.774	0.423	4.411
0.292	11.574	-22.219	-17.813	-0.956	4.430
0.293	10.390	-23.379	-17.851	-2.245	4.444
0.294	9.205	-24.540	-17.886	-3.319	4.458
0.295	8.447	-25.275	-17.920	-4.075	4.464
0.296	8.261	-25.437	-17.952	-4.440	4.465
0.297	8.075	-25.599	-17.982	-4.380	4.457
0.298	8.255	-25.395	-18.010	-3.902	4.442
0.299	9.191	-24.435	-18.037	-3.053	4.422
0.300	10.127	-23.475	-18.062	-1.916	4.395
0.301	11.174	-22.405	-18.085	-0.602	4.369
0.302	12.600	-20.955	-18.107	0.760	4.339
0.303	14.027	-19.505	-18.127	2.038	4.315
0.304	15.327	-18.181	-18.145	3.106	4.292
0.305	15.733	-17.751	-18.162	3.862	4.277
0.306	16.138	-17.322	-18.178	4.232	4.268
0.307	16.511	-16.926	-18.191	4.179	4.268
0.308	15.460	-17.952	-18.204	3.708	4.276
0.309	14.410	-18.979	-18.214	2.865	4.289
0.310	13.360	-20.005	-18.223	1.732	4.313
0.311	12.014	-21.327	-18.231	0.420	4.338

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0.312	10.644	-22.674	-18.237	-0.945	4.370
0.313	9.273	-24.020	-18.241	-2.229	4.399
0.314	8.544	-24.725	-18.244	-3.307	4.431
0.315	7.955	-25.291	-18.246	-4.073	4.455
0.316	7.365	-25.857	-18.246	-4.453	4.475
0.317	7.519	-25.680	-18.244	-4.406	4.488
0.318	7.960	-25.214	-18.241	-3.937	4.492
0.319	8.402	-24.749	-18.236	-3.090	4.491
0.320	9.445	-23.682	-18.230	-1.944	4.481
0.321	10.857	-22.247	-18.222	-0.611	4.472
0.322	12.268	-20.811	-18.212	0.782	4.457
0.323	13.558	-19.498	-18.201	2.097	4.447
0.324	14.736	-18.296	-18.188	3.206	4.438
0.325	15.914	-17.095	-18.173	4.000	4.436
0.326	16.415	-16.570	-18.157	4.399	4.439
0.327	15.977	-16.984	-18.139	4.360	4.450
0.328	15.539	-17.398	-18.119	3.884	4.471
0.329	14.775	-18.138	-18.097	3.013	4.498
0.330	13.313	-19.577	-18.074	1.830	4.537
0.331	11.850	-21.016	-18.048	0.446	4.580
0.332	10.488	-22.353	-18.021	-1.005	4.633
0.333	9.493	-23.326	-17.992	-2.381	4.684
0.334	8.497	-24.298	-17.960	-3.548	4.740
0.335	7.617	-25.154	-17.927	-4.388	4.791
0.336	7.615	-25.131	-17.891	-4.816	4.839
0.337	7.614	-25.109	-17.853	-4.785	4.879
0.338	7.631	-25.068	-17.813	-4.290	4.911
0.339	8.756	-23.919	-17.771	-3.376	4.938
0.340	9.881	-22.770	-17.727	-2.124	4.956
0.341	11.007	-21.621	-17.680	-0.654	4.972
0.342	12.720	-19.885	-17.630	0.895	4.982
0.343	14.488	-18.093	-17.578	2.370	4.996
0.344	16.255	-16.301	-17.523	3.626	5.008
0.345	16.987	-15.546	-17.466	4.536	5.026
0.346	17.482	-15.027	-17.406	5.005	5.049
0.347	17.976	-14.509	-17.343	4.979	5.080
0.348	17.160	-15.302	-17.277	4.453	5.121
0.349	15.816	-16.622	-17.208	3.469	5.169
0.350	14.472	-17.942	-17.136	2.116	5.231
0.351	13.038	-19.352	-17.061	0.520	5.298
0.352	11.548	-20.819	-16.983	-1.167	5.378
0.353	10.057	-22.285	-16.901	-2.781	5.459
0.354	9.081	-23.238	-16.816	-4.161	5.547
0.355	8.596	-23.699	-16.727	-5.167	5.633
0.356	8.110	-24.161	-16.635	-5.692	5.716
0.357	8.122	-24.126	-16.539	-5.674	5.794
0.358	8.846	-23.378	-16.440	-5.102	5.863
0.359	9.570	-22.630	-16.336	-4.021	5.927
0.360	10.709	-21.467	-16.229	-2.525	5.981
0.361	12.773	-19.380	-16.118	-0.753	6.033
0.362	14.836	-17.293	-16.002	1.127	6.078
0.363	16.819	-15.286	-15.882	2.932	6.124
0.364	18.495	-13.586	-15.758	4.482	6.168
0.365	20.172	-11.886	-15.630	5.617	6.216
0.366	21.591	-10.442	-15.497	6.214	6.267
0.367	20.898	-11.112	-15.360	6.202	6.326
0.368	20.205	-11.781	-15.218	5.567	6.393
0.369	19.501	-12.461	-15.071	4.355	6.468
0.370	17.442	-14.496	-14.919	2.673	6.557
0.371	15.384	-16.531	-14.763	0.676	6.654
0.372	13.325	-18.566	-14.601	-1.448	6.765
0.373	12.050	-19.817	-14.435	-3.490	6.882
0.374	10.855	-20.989	-14.263	-5.248	7.006
0.375	9.660	-22.160	-14.086	-6.539	7.131

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0.376	9.621	-22.175	-13.904	-7.223	7.255
0.377	9.859	-21.913	-13.717	-7.217	7.374
0.378	10.098	-21.651	-13.524	-6.503	7.486
0.379	11.577	-20.148	-13.325	-5.132	7.591
0.380	13.574	-18.127	-13.122	-3.221	7.687
0.381	15.571	-16.106	-12.912	-0.945	7.780
0.382	18.111	-13.542	-12.697	1.481	7.864
0.383	21.006	-10.624	-12.476	3.820	7.948
0.384	23.900	-7.706	-12.250	5.839	8.029
0.385	25.677	-5.905	-12.018	7.329	8.112
0.386	26.353	-5.205	-11.780	8.127	8.197
0.387	27.029	-4.506	-11.536	8.133	8.287
0.388	26.541	-4.969	-11.287	7.326	8.386
0.389	24.331	-7.155	-11.032	5.761	8.493
0.390	22.121	-9.341	-10.771	3.572	8.614
0.391	19.889	-11.550	-10.504	0.958	8.746
0.392	17.606	-13.809	-10.231	-1.833	8.895
0.393	15.323	-16.068	-9.952	-4.531	9.052
0.394	13.394	-17.974	-9.668	-6.864	9.222
0.395	12.864	-18.480	-9.378	-8.590	9.394
0.396	12.334	-18.986	-9.083	-9.520	9.568
0.397	12.016	-19.280	-8.781	-9.537	9.738
0.398	13.585	-17.688	-8.474	-8.613	9.902
0.399	15.154	-16.095	-8.162	-6.811	10.059
0.400	16.723	-14.502	-7.844	-4.284	10.205
0.401	20.547	-10.654	-7.520	-1.263	10.347
0.402	24.372	-6.806	-7.191	1.967	10.478
0.403	28.196	-2.958	-6.857	5.089	10.606
0.404	31.009	-0.121	-6.518	7.789	10.726
0.405	33.710	2.603	-6.174	9.787	10.846
0.406	36.410	5.327	-5.824	10.863	10.962
0.407	35.847	4.789	-5.470	10.885	11.078
0.408	34.461	3.427	-5.112	9.822	11.198
0.409	33.076	2.064	-4.748	7.749	11.323
0.410	30.195	-0.793	-4.381	4.847	11.461
0.411	26.666	-4.297	-4.009	1.383	11.609
0.412	23.138	-7.802	-3.633	-2.313	11.774
0.413	20.566	-10.350	-3.253	-5.879	11.948
0.414	18.642	-12.250	-2.869	-8.957	12.136
0.415	16.717	-14.151	-2.482	-11.228	12.328
0.416	16.138	-14.707	-2.091	-12.447	12.521
0.417	16.924	-13.897	-1.697	-12.465	12.711
0.418	17.711	-13.087	-1.300	-11.252	12.893
0.419	19.807	-10.967	-0.900	-8.899	13.067
0.420	23.906	-6.843	-0.498	-5.613	13.227
0.421	28.006	-2.720	-0.093	-1.700	13.379
0.422	32.286	1.584	0.314	2.465	13.515
0.423	36.998	6.320	0.722	6.474	13.644
0.424	41.710	11.056	1.133	9.923	13.757
0.425	45.636	15.005	1.544	12.458	13.861
0.426	46.292	15.685	1.957	13.809	13.952
0.427	46.947	16.364	2.371	13.820	14.033
0.428	47.203	16.643	2.786	12.465	14.108
0.429	43.554	13.018	3.200	9.858	14.179
0.430	39.905	9.393	3.616	6.239	14.254
0.431	36.256	5.768	4.030	1.953	14.333
0.432	32.257	1.793	4.445	-2.582	14.423
0.433	28.255	-2.185	4.859	-6.917	14.519
0.434	24.254	-6.163	5.272	-10.618	14.625
0.435	23.190	-7.203	5.684	-13.311	14.732
0.436	22.483	-7.886	6.094	-14.719	14.838
0.437	21.777	-8.569	6.502	-14.690	14.936
0.438	24.401	-5.921	6.909	-13.216	15.023
0.439	27.906	-2.392	7.313	-10.434	15.098

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0.440	31.412	1.138	7.715	-6.613	15.155
0.441	36.535	6.285	8.114	-2.128	15.199
0.442	42.386	12.160	8.510	2.580	15.221
0.443	48.237	18.034	8.902	7.043	15.228
0.444	52.065	21.886	9.291	10.818	15.209
0.445	54.483	24.328	9.676	13.531	15.170
0.446	56.900	26.769	10.057	14.915	15.106
0.447	57.328	27.220	10.433	14.837	15.020
0.448	55.671	25.587	10.805	13.312	14.915
0.449	54.014	23.954	11.172	10.504	14.793
0.450	51.195	21.159	11.534	6.702	14.665
0.451	46.541	16.528	11.891	2.297	14.530
0.452	41.886	11.897	12.242	-2.266	14.398
0.453	37.652	7.687	12.587	-6.528	14.267
0.454	34.463	4.521	12.926	-10.069	14.140
0.455	31.273	1.356	13.259	-12.549	14.013
0.456	29.034	-0.859	13.586	-13.742	13.884
0.457	30.953	1.083	13.906	-13.558	13.751
0.458	32.871	3.025	14.220	-12.047	13.610
0.459	35.119	5.296	14.526	-9.393	13.462
0.460	40.893	11.094	14.826	-5.891	13.303
0.461	46.667	16.892	15.118	-1.910	13.136
0.462	52.441	22.690	15.402	2.140	12.955
0.463	54.493	24.765	15.680	5.860	12.764
0.464	56.486	26.782	15.949	8.895	12.554
0.465	58.479	28.799	16.211	10.971	12.329
0.466	58.553	28.898	16.465	11.920	12.085
0.467	58.376	28.744	16.710	11.691	11.824
0.468	58.198	28.590	16.948	10.353	11.550
0.469	56.860	27.276	17.178	8.081	11.265
0.470	55.201	25.640	17.399	5.135	10.978
0.471	53.542	24.005	17.612	1.833	10.689
0.472	50.379	20.866	17.816	-1.489	10.409
0.473	46.517	17.027	18.013	-4.503	10.135
0.474	42.654	13.189	18.200	-6.929	9.875
0.475	40.580	11.138	18.380	-8.557	9.622
0.476	39.794	10.376	18.550	-9.267	9.380
0.477	39.008	9.614	18.712	-9.035	9.145
0.478	40.596	11.225	18.866	-7.933	8.918
0.479	44.749	15.402	19.011	-6.114	8.698
0.480	48.902	19.579	19.148	-3.797	8.481
0.481	52.088	22.789	19.276	-1.236	8.270
0.482	53.695	24.420	19.396	1.305	8.057
0.483	55.302	26.051	19.507	3.580	7.845
0.484	56.468	27.240	19.610	5.383	7.627
0.485	56.495	27.291	19.705	6.570	7.404
0.486	56.522	27.341	19.792	7.064	7.172
0.487	56.464	27.307	19.870	6.862	6.933
0.488	56.015	26.882	19.941	6.029	6.688
0.489	55.566	26.457	20.003	4.685	6.439
0.490	55.039	25.954	20.057	2.993	6.192
0.491	53.584	24.523	20.104	1.137	5.946
0.492	52.129	23.092	20.143	-0.694	5.712
0.493	50.674	21.660	20.175	-2.327	5.486
0.494	48.665	19.675	20.199	-3.619	5.277
0.495	46.642	17.676	20.215	-4.470	5.079
0.496	44.620	15.677	20.224	-4.827	4.898
0.497	45.695	16.776	20.227	-4.688	4.733
0.498	47.208	18.313	20.222	-4.099	4.582
0.499	48.722	19.850	20.210	-3.144	4.446
0.500	49.993	21.145	20.192	-1.939	4.322
0.501	51.194	22.370	20.167	-0.615	4.211
0.502	52.395	23.595	20.135	0.695	4.105
0.503	52.935	24.159	20.098	1.865	4.008

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0.504	53.156	24.404	20.054	2.793	3.911
0.505	53.377	24.649	20.004	3.406	3.814
0.506	53.308	24.603	19.948	3.664	3.714
0.507	53.024	24.343	19.886	3.564	3.611
0.508	52.739	24.082	19.819	3.136	3.505
0.509	52.274	23.640	19.746	2.439	3.395
0.510	51.606	22.997	19.668	1.552	3.287
0.511	50.939	22.353	19.585	0.569	3.178
0.512	50.131	21.569	19.496	-0.414	3.077
0.513	49.085	20.547	19.403	-1.305	2.981
0.514	48.039	19.524	19.305	-2.024	2.896
0.515	47.183	18.692	19.202	-2.512	2.821
0.516	46.840	18.373	19.095	-2.732	2.759
0.517	46.496	18.053	18.983	-2.674	2.709
0.518	46.365	17.946	18.867	-2.351	2.672
0.519	47.272	18.876	18.747	-1.801	2.649
0.520	48.178	19.807	18.623	-1.084	2.635
0.521	49.051	20.703	18.495	-0.270	2.632
0.522	49.469	21.145	18.363	0.561	2.633
0.523	49.888	21.587	18.228	1.331	2.641
0.524	50.306	22.029	18.089	1.968	2.647
0.525	50.256	22.003	17.946	2.414	2.652
0.526	50.190	21.961	17.801	2.629	2.652
0.527	50.124	21.919	17.652	2.596	2.647
0.528	49.613	21.431	17.499	2.318	2.636
0.529	49.034	20.876	17.344	1.826	2.618
0.530	48.455	20.321	17.186	1.167	2.597
0.531	47.670	19.559	17.025	0.404	2.570
0.532	46.822	18.735	16.861	-0.390	2.545
0.533	45.974	17.911	16.694	-1.138	2.519
0.534	45.118	17.079	16.525	-1.770	2.500
0.535	44.258	16.242	16.353	-2.223	2.483
0.536	43.397	15.406	16.179	-2.455	2.475
0.537	43.238	15.270	16.002	-2.440	2.475
0.538	43.616	15.672	15.823	-2.180	2.484
0.539	43.994	16.074	15.642	-1.696	2.504
0.540	44.505	16.609	15.458	-1.033	2.531
0.541	45.169	17.296	15.272	-0.254	2.569
0.542	45.832	17.983	15.085	0.568	2.610
0.543	46.325	18.500	14.894	1.354	2.659
0.544	46.520	18.719	14.702	2.026	2.707
0.545	46.715	18.937	14.508	2.518	2.755
0.546	46.748	18.994	14.312	2.777	2.798
0.547	46.330	18.600	14.114	2.775	2.837
0.548	45.913	18.206	13.915	2.507	2.869
0.549	45.419	17.736	13.713	1.991	2.893
0.550	44.533	16.874	13.510	1.275	2.914
0.551	43.647	16.012	13.304	0.423	2.927
0.552	42.746	15.135	13.098	-0.485	2.940
0.553	41.602	14.014	12.889	-1.359	2.950
0.554	40.458	12.894	12.679	-2.113	2.962
0.555	39.314	11.774	12.467	-2.670	2.975
0.556	38.963	11.447	12.253	-2.969	2.994
0.557	38.644	11.152	12.038	-2.974	3.018
0.558	38.326	10.857	11.822	-2.677	3.048
0.559	38.995	11.551	11.604	-2.101	3.087
0.560	39.825	12.404	11.384	-1.294	3.131
0.561	40.655	13.258	11.163	-0.333	3.187
0.562	41.361	13.988	10.941	0.692	3.246
0.563	42.028	14.678	10.717	1.678	3.313
0.564	42.694	15.369	10.492	2.528	3.379
0.565	42.827	15.525	10.266	3.153	3.446
0.566	42.683	15.405	10.038	3.485	3.508
0.567	42.539	15.284	9.809	3.484	3.565

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0.568	41.922	14.691	9.579	3.143	3.614
0.569	40.931	13.724	9.348	2.488	3.654
0.570	39.940	12.756	9.115	1.578	3.688
0.571	38.750	11.591	8.882	0.496	3.713
0.572	37.326	10.190	8.647	-0.652	3.734
0.573	35.901	8.789	8.412	-1.754	3.749
0.574	34.631	7.543	8.175	-2.699	3.763
0.575	33.642	6.578	7.938	-3.390	3.774
0.576	32.652	5.612	7.700	-3.753	3.786
0.577	32.049	5.033	7.460	-3.747	3.800
0.578	32.572	5.579	7.221	-3.364	3.817
0.579	33.094	6.124	6.980	-2.637	3.840
0.580	33.701	6.755	6.739	-1.633	3.868
0.581	34.770	7.848	6.497	-0.447	3.906
0.582	35.839	8.941	6.254	0.806	3.948
0.583	36.870	9.996	6.011	2.001	4.000
0.584	37.245	10.395	5.768	3.019	4.053
0.585	37.620	10.794	5.524	3.756	4.109
0.586	37.995	11.192	5.280	4.135	4.161
0.587	37.242	10.463	5.035	4.113	4.210
0.588	36.434	9.679	4.791	3.688	4.253
0.589	35.627	8.895	4.546	2.896	4.287
0.590	34.178	7.470	4.301	1.812	4.316
0.591	32.618	5.934	4.056	0.540	4.335
0.592	31.059	4.398	3.811	-0.798	4.351
0.593	29.588	2.951	3.567	-2.069	4.358
0.594	28.146	1.533	3.322	-3.148	4.364
0.595	26.704	0.115	3.078	-3.926	4.363
0.596	26.096	-0.469	2.834	-4.323	4.361
0.597	25.934	-0.608	2.591	-4.298	4.358
0.598	25.772	-0.746	2.348	-3.848	4.355
0.599	26.321	-0.172	2.106	-3.015	4.357
0.600	27.453	0.983	1.864	-1.878	4.361
0.601	28.584	2.138	1.623	-0.547	4.376
0.602	29.631	3.208	1.383	0.849	4.395
0.603	30.573	4.175	1.144	2.172	4.424
0.604	31.516	5.141	0.905	3.290	4.456
0.605	32.039	5.688	0.668	4.093	4.494
0.606	31.779	5.452	0.432	4.499	4.530
0.607	31.519	5.215	0.197	4.465	4.565
0.608	30.971	4.691	-0.037	3.992	4.596
0.609	29.553	3.297	-0.270	3.124	4.621
0.610	28.135	1.903	-0.501	1.945	4.643
0.611	26.679	0.470	-0.731	0.569	4.656
0.612	25.001	-1.183	-0.959	-0.868	4.666
0.613	23.324	-2.837	-1.186	-2.227	4.668
0.614	21.683	-4.454	-1.411	-3.373	4.666
0.615	20.808	-5.306	-1.634	-4.192	4.657
0.616	19.932	-6.158	-1.856	-4.603	4.644
0.617	19.056	-7.009	-2.075	-4.565	4.628
0.618	19.785	-6.257	-2.293	-4.080	4.609
0.619	20.606	-5.412	-2.509	-3.195	4.592
0.620	21.427	-4.567	-2.723	-1.998	4.577
0.621	22.622	-3.349	-2.935	-0.606	4.569
0.622	23.885	-2.062	-3.144	0.845	4.566
0.623	25.147	-0.776	-3.352	2.211	4.572
0.624	25.771	-0.128	-3.557	3.359	4.582
0.625	26.176	0.300	-3.760	4.175	4.598
0.626	26.580	0.728	-3.961	4.580	4.615
0.627	26.110	0.282	-4.159	4.534	4.632
0.628	25.157	-0.647	-4.355	4.042	4.648
0.629	24.203	-1.577	-4.548	3.153	4.661
0.630	22.870	-2.887	-4.739	1.955	4.672
0.631	21.216	-4.517	-4.927	0.565	4.676

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0.632	19.563	-6.146	-5.113	-0.880	4.679
0.633	18.056	-7.630	-5.296	-2.239	4.675
0.634	16.733	-8.929	-5.477	-3.379	4.667
0.635	15.410	-10.228	-5.654	-4.188	4.651
0.636	14.583	-11.031	-5.830	-4.589	4.631
0.637	14.712	-10.878	-6.002	-4.544	4.605
0.638	14.841	-10.725	-6.172	-4.059	4.576
0.639	15.253	-10.290	-6.339	-3.183	4.547
0.640	16.559	-8.960	-6.503	-2.002	4.517
0.641	17.865	-7.630	-6.664	-0.635	4.494
0.642	19.120	-6.351	-6.823	0.784	4.474
0.643	20.055	-5.393	-6.978	2.117	4.462
0.644	20.990	-4.434	-7.131	3.233	4.454
0.645	21.877	-3.523	-7.281	4.025	4.453
0.646	21.575	-3.801	-7.428	4.415	4.454
0.647	21.274	-4.078	-7.573	4.369	4.457
0.648	20.973	-4.356	-7.714	3.894	4.461
0.649	19.682	-5.623	-7.853	3.038	4.464
0.650	18.326	-6.955	-7.989	1.886	4.467
0.651	16.970	-8.287	-8.122	0.553	4.466
0.652	15.516	-9.717	-8.252	-0.829	4.465
0.653	14.043	-11.167	-8.379	-2.127	4.458
0.654	12.570	-12.616	-8.504	-3.213	4.448
0.655	11.802	-13.360	-8.625	-3.985	4.431
0.656	11.287	-13.851	-8.744	-4.367	4.409
0.657	10.772	-14.342	-8.860	-4.327	4.381
0.658	11.147	-13.944	-8.974	-3.869	4.348
0.659	12.032	-13.035	-9.084	-3.043	4.315
0.660	12.917	-12.126	-9.192	-1.931	4.279
0.661	14.013	-11.007	-9.297	-0.644	4.249
0.662	15.291	-9.705	-9.400	0.693	4.219
0.663	16.569	-8.403	-9.500	1.947	4.198
0.664	17.441	-7.507	-9.597	2.999	4.179
0.665	17.785	-7.139	-9.691	3.745	4.168
0.666	18.129	-6.771	-9.783	4.117	4.160
0.667	18.068	-6.809	-9.873	4.081	4.155
0.668	17.197	-7.656	-9.960	3.642	4.154
0.669	16.325	-8.504	-10.044	2.848	4.152
0.670	15.325	-9.480	-10.126	1.776	4.154
0.671	13.901	-10.881	-10.205	0.534	4.153
0.672	12.477	-12.281	-10.282	-0.756	4.155
0.673	11.125	-13.609	-10.357	-1.969	4.151
0.674	10.253	-14.457	-10.429	-2.987	4.146
0.675	9.381	-15.306	-10.499	-3.714	4.135
0.676	8.544	-16.119	-10.567	-4.079	4.119
0.677	8.814	-15.825	-10.632	-4.050	4.098
0.678	9.083	-15.532	-10.695	-3.632	4.071
0.679	9.353	-15.239	-10.756	-2.869	4.042
0.680	10.484	-14.084	-10.815	-1.837	4.010
0.681	11.680	-12.864	-10.872	-0.638	3.982
0.682	12.876	-11.644	-10.926	0.611	3.953
0.683	13.860	-10.636	-10.979	1.787	3.931
0.684	14.801	-9.672	-11.029	2.776	3.911
0.685	15.741	-8.708	-11.078	3.483	3.897
0.686	15.783	-8.642	-11.124	3.841	3.887
0.687	15.491	-8.910	-11.169	3.818	3.881
0.688	15.199	-9.178	-11.211	3.417	3.879
0.689	14.321	-10.033	-11.252	2.681	3.879
0.690	13.094	-11.236	-11.291	1.681	3.884
0.691	11.868	-12.438	-11.328	0.517	3.888
0.692	10.719	-13.564	-11.364	-0.697	3.896
0.693	9.639	-14.620	-11.397	-1.843	3.900
0.694	8.559	-15.676	-11.429	-2.811	3.905
0.695	7.851	-16.360	-11.459	-3.506	3.905

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0.696	7.646	-16.541	-11.488	-3.862	3.901
0.697	7.441	-16.723	-11.515	-3.846	3.891
0.698	7.563	-16.577	-11.540	-3.461	3.876
0.699	8.363	-15.753	-11.564	-2.745	3.859
0.700	9.164	-14.929	-11.586	-1.768	3.837
0.701	10.064	-14.004	-11.607	-0.626	3.818
0.702	11.312	-12.733	-11.626	0.568	3.797
0.703	12.559	-11.462	-11.643	1.699	3.782
0.704	13.699	-10.298	-11.659	2.657	3.767
0.705	14.079	-9.894	-11.674	3.349	3.759
0.706	14.459	-9.490	-11.687	3.706	3.754
0.707	14.810	-9.116	-11.699	3.696	3.753
0.708	13.927	-9.975	-11.709	3.318	3.757
0.709	13.045	-10.834	-11.718	2.611	3.764
0.710	12.162	-11.693	-11.726	1.643	3.776
0.711	10.975	-12.856	-11.732	0.509	3.790
0.712	9.762	-14.045	-11.737	-0.681	3.808
0.713	8.549	-15.234	-11.740	-1.811	3.824
0.714	7.877	-15.883	-11.742	-2.771	3.843
0.715	7.321	-16.414	-11.743	-3.467	3.856
0.716	6.766	-16.946	-11.743	-3.831	3.867
0.717	6.866	-16.822	-11.741	-3.827	3.873
0.718	7.219	-16.445	-11.737	-3.454	3.874
0.719	7.572	-16.068	-11.732	-2.747	3.872
0.720	8.455	-15.161	-11.726	-1.775	3.864
0.721	9.663	-13.930	-11.719	-0.630	3.858
0.722	10.871	-12.698	-11.710	0.575	3.850
0.723	11.986	-11.560	-11.700	1.723	3.846
0.724	13.015	-10.507	-11.688	2.704	3.842
0.725	14.044	-9.454	-11.675	3.418	3.843
0.726	14.500	-8.974	-11.661	3.797	3.847
0.727	14.162	-9.288	-11.645	3.799	3.856
0.728	13.825	-9.602	-11.627	3.424	3.870
0.729	13.196	-10.207	-11.608	2.704	3.888
0.730	11.945	-11.434	-11.588	1.708	3.913
0.731	10.693	-12.662	-11.566	0.531	3.940
0.732	9.519	-13.813	-11.542	-0.713	3.974
0.733	8.625	-14.683	-11.517	-1.904	4.008
0.734	7.731	-15.553	-11.491	-2.925	4.045
0.735	6.937	-16.324	-11.462	-3.674	4.078
0.736	6.899	-16.337	-11.432	-4.075	4.111
0.737	6.862	-16.351	-11.400	-4.085	4.138
0.738	6.839	-16.349	-11.366	-3.699	4.161
0.739	7.773	-15.392	-11.331	-2.951	4.180
0.740	8.706	-14.435	-11.294	-1.909	4.194
0.741	9.639	-13.479	-11.254	-0.672	4.208
0.742	11.084	-12.010	-11.213	0.642	4.219
0.743	12.576	-10.494	-11.170	1.904	4.233
0.744	14.068	-8.978	-11.125	2.991	4.245
0.745	14.715	-8.308	-11.077	3.792	4.263
0.746	15.168	-7.831	-11.028	4.226	4.282
0.747	15.620	-7.354	-10.976	4.244	4.306
0.748	14.967	-7.984	-10.922	3.839	4.335
0.749	13.869	-9.059	-10.866	3.044	4.368
0.750	12.770	-10.133	-10.807	1.931	4.410
0.751	11.558	-11.322	-10.746	0.604	4.455
0.752	10.273	-12.583	-10.682	-0.810	4.509
0.753	8.988	-13.844	-10.616	-2.173	4.564
0.754	8.129	-14.679	-10.547	-3.351	4.625
0.755	7.676	-15.109	-10.475	-4.225	4.685
0.756	7.223	-15.538	-10.401	-4.704	4.744
0.757	7.190	-15.547	-10.323	-4.732	4.799
0.758	7.760	-14.953	-10.243	-4.299	4.849
0.759	8.330	-14.359	-10.160	-3.438	4.897

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0.760	9.243	-13.422	-10.074	-2.224	4.939
0.761	10.919	-11.723	-9.985	-0.771	4.980
0.762	12.596	-10.023	-9.892	0.784	5.017
0.763	14.216	-8.378	-9.796	2.290	5.056
0.764	15.628	-6.942	-9.697	3.596	5.093
0.765	17.040	-5.506	-9.595	4.570	5.134
0.766	18.242	-4.281	-9.489	5.108	5.175
0.767	17.714	-4.785	-9.379	5.147	5.220
0.768	17.187	-5.289	-9.266	4.673	5.271
0.769	16.650	-5.802	-9.150	3.721	5.325
0.770	14.972	-7.456	-9.029	2.373	5.389
0.771	13.294	-9.110	-8.905	0.754	5.458
0.772	11.616	-10.764	-8.777	-0.983	5.538
0.773	10.522	-11.835	-8.645	-2.668	5.620
0.774	9.486	-12.847	-8.509	-4.135	5.711
0.775	8.451	-13.858	-8.369	-5.233	5.801
0.776	8.369	-13.916	-8.225	-5.844	5.893
0.777	8.516	-13.746	-8.076	-5.896	5.982
0.778	8.663	-13.575	-7.924	-5.369	6.067
0.779	9.804	-12.410	-7.767	-4.301	6.150
0.780	11.360	-10.830	-7.606	-2.784	6.226
0.781	12.917	-9.250	-7.441	-0.954	6.302
0.782	14.959	-7.184	-7.271	1.014	6.372
0.783	17.319	-4.800	-7.097	2.930	6.444
0.784	19.679	-2.416	-6.918	4.603	6.512
0.785	21.160	-0.912	-6.735	5.861	6.583
0.786	21.775	-0.273	-6.548	6.567	6.654
0.787	22.389	0.365	-6.356	6.637	6.727
0.788	22.042	0.042	-6.159	6.047	6.805
0.789	20.270	-1.706	-5.958	4.837	6.887
0.790	18.498	-3.454	-5.753	3.108	6.980
0.791	16.694	-5.235	-5.543	1.019	7.078
0.792	14.816	-7.089	-5.328	-1.233	7.189
0.793	12.938	-8.943	-5.109	-3.431	7.306
0.794	11.339	-10.518	-4.886	-5.355	7.433
0.795	10.842	-10.991	-4.658	-6.805	7.563
0.796	10.346	-11.464	-4.425	-7.625	7.695
0.797	10.018	-11.768	-4.188	-7.714	7.826
0.798	11.195	-10.567	-3.947	-7.043	7.953
0.799	12.373	-9.366	-3.701	-5.655	8.077
0.800	13.550	-8.165	-3.452	-3.668	8.195
0.801	16.574	-5.116	-3.198	-1.263	8.311
0.802	19.599	-2.068	-2.939	1.334	8.420
0.803	22.623	0.980	-2.677	3.870	8.528
0.804	24.967	3.348	-2.411	6.090	8.630
0.805	27.235	5.639	-2.141	7.764	8.732
0.806	29.503	7.931	-1.867	8.711	8.830
0.807	29.111	7.562	-1.589	8.817	8.927
0.808	28.046	6.522	-1.308	8.047	9.026
0.809	26.982	5.481	-1.023	6.455	9.126
0.810	24.669	3.192	-0.735	4.177	9.235
0.811	21.817	0.363	-0.443	1.422	9.350
0.812	18.964	-2.466	-0.149	-1.548	9.478
0.813	16.857	-4.548	0.149	-4.443	9.612
0.814	15.254	-6.127	0.449	-6.974	9.757
0.815	13.652	-7.706	0.752	-8.880	9.905
0.816	13.105	-8.229	1.058	-9.955	10.057
0.817	13.632	-7.678	1.366	-10.071	10.208
0.818	14.159	-7.128	1.677	-9.193	10.355
0.819	15.718	-5.545	1.989	-7.384	10.498
0.820	18.856	-2.383	2.303	-4.800	10.633
0.821	21.994	0.779	2.619	-1.680	10.765
0.822	25.355	4.163	2.937	1.677	10.885
0.823	29.250	8.082	3.256	4.943	11.002

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0.824	33.145	12.001	3.576	7.792	11.107
0.825	36.410	15.290	3.897	9.929	11.206
0.826	37.055	15.959	4.219	11.128	11.293
0.827	37.700	16.628	4.541	11.250	11.374
0.828	38.008	16.959	4.864	10.263	11.448
0.829	35.022	13.997	5.186	8.245	11.518
0.830	32.037	11.035	5.509	5.378	11.590
0.831	29.051	8.074	5.831	1.936	11.662
0.832	25.808	4.854	6.153	-1.749	11.743
0.833	22.563	1.633	6.474	-5.312	11.826
0.834	19.318	-1.588	6.794	-8.397	11.918
0.835	18.373	-2.510	7.113	-10.690	12.010
0.836	17.707	-3.152	7.431	-11.955	12.103
0.837	17.042	-3.793	7.747	-12.053	12.193
0.838	18.945	-1.866	8.061	-10.964	12.276
0.839	21.528	0.741	8.373	-8.783	12.351
0.840	24.111	3.348	8.683	-5.721	12.415
0.841	28.254	7.514	8.990	-2.073	12.471
0.842	33.097	12.381	9.294	1.799	12.510
0.843	37.941	17.248	9.596	5.514	12.538
0.844	41.233	20.564	9.894	8.700	12.547
0.845	43.443	22.798	10.189	11.041	12.540
0.846	45.654	25.033	10.480	12.301	12.513
0.847	46.059	25.462	10.768	12.358	12.468
0.848	44.573	23.999	11.051	11.207	12.406
0.849	43.087	22.537	11.330	8.969	12.329
0.850	40.679	20.153	11.605	5.873	12.245
0.851	36.817	16.314	11.876	2.234	12.153
0.852	32.954	12.476	12.141	-1.580	12.063
0.853	29.444	8.990	12.402	-5.187	11.969
0.854	26.813	6.382	12.657	-8.229	11.879
0.855	24.181	3.774	12.907	-10.410	11.787
0.856	22.282	1.899	13.152	-11.528	11.697
0.857	23.586	3.226	13.391	-11.490	11.604
0.858	24.890	4.554	13.624	-10.321	11.507
0.859	26.483	6.171	13.851	-8.162	11.408
0.860	31.184	10.895	14.073	-5.249	11.301
0.861	35.884	15.620	14.287	-1.887	11.191
0.862	40.585	20.344	14.496	1.581	11.070
0.863	42.682	22.465	14.698	4.809	10.943
0.864	44.737	24.544	14.894	7.488	10.800
0.865	46.793	26.624	15.082	9.371	10.647
0.866	46.867	26.721	15.264	10.297	10.478
0.867	46.679	26.558	15.440	10.206	10.294
0.868	46.492	26.394	15.608	9.140	10.099
0.869	45.104	25.030	15.769	7.236	9.892
0.870	43.384	23.333	15.923	4.709	9.682
0.871	41.663	21.637	16.070	1.827	9.466
0.872	38.907	18.904	16.209	-1.115	9.255
0.873	35.669	15.690	16.341	-3.826	9.045
0.874	32.430	12.475	16.466	-6.051	8.844
0.875	30.600	10.669	16.584	-7.592	8.647
0.876	29.783	9.876	16.694	-8.324	8.460
0.877	28.967	9.083	16.797	-8.211	8.281
0.878	30.122	10.262	16.893	-7.298	8.107
0.879	33.408	13.572	16.981	-5.711	7.943
0.880	36.694	16.882	17.061	-3.635	7.782
0.881	39.402	19.613	17.134	-1.293	7.630
0.882	41.165	21.400	17.200	1.072	7.476
0.883	42.929	23.187	17.259	3.231	7.327
0.884	44.263	24.545	17.310	4.984	7.171
0.885	44.487	24.794	17.354	6.180	7.015
0.886	44.712	25.042	17.391	6.733	6.850
0.887	44.766	25.120	17.420	6.620	6.680

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0.888	44.033	24.411	17.443	5.887	6.504
0.889	43.300	23.702	17.458	4.635	6.323
0.890	42.502	22.928	17.466	3.009	6.142
0.891	40.932	21.381	17.468	1.184	5.959
0.892	39.362	19.835	17.462	-0.656	5.783
0.893	37.792	18.289	17.450	-2.334	5.610
0.894	36.044	16.564	17.432	-3.699	5.450
0.895	34.292	14.836	17.406	-4.634	5.296
0.896	32.539	13.107	17.374	-5.071	5.157
0.897	33.304	13.895	17.336	-4.991	5.029
0.898	34.425	15.040	17.292	-4.426	4.914
0.899	35.546	16.185	17.241	-3.451	4.814
0.900	36.849	17.512	17.185	-2.178	4.723
0.901	38.205	18.892	17.122	-0.741	4.645
0.902	39.562	20.272	17.054	0.714	4.572
0.903	40.396	21.131	16.980	2.048	4.509
0.904	40.979	21.737	16.901	3.140	4.444
0.905	41.562	22.344	16.816	3.894	4.381
0.906	41.598	22.403	16.726	4.252	4.315
0.907	41.227	22.056	16.631	4.195	4.245
0.908	40.856	21.709	16.530	3.746	4.171
0.909	40.143	21.020	16.425	2.960	4.090
0.910	39.050	19.951	16.315	1.923	4.010
0.911	37.958	18.882	16.200	0.743	3.924
0.912	36.832	17.781	16.081	-0.465	3.842
0.913	35.653	16.625	15.958	-1.584	3.759
0.914	34.473	15.469	15.830	-2.513	3.684
0.915	33.511	14.531	15.699	-3.168	3.612
0.916	33.132	14.176	15.563	-3.495	3.550
0.917	32.754	13.821	15.424	-3.470	3.497
0.918	32.587	13.678	15.281	-3.103	3.453
0.919	33.455	14.570	15.134	-2.438	3.423
0.920	34.323	15.461	14.984	-1.543	3.399
0.921	35.185	16.347	14.831	-0.509	3.388
0.922	35.977	17.164	14.674	0.564	3.381
0.923	36.770	17.980	14.515	1.571	3.382
0.924	37.562	18.796	14.353	2.417	3.382
0.925	37.656	18.914	14.188	3.024	3.383
0.926	37.728	19.009	14.020	3.336	3.380
0.927	37.799	19.104	13.850	3.327	3.372
0.928	37.047	18.376	13.678	3.002	3.359
0.929	36.170	17.522	13.503	2.397	3.337
0.930	35.292	16.668	13.326	1.573	3.311
0.931	34.205	15.605	13.148	0.611	3.276
0.932	33.055	14.478	12.967	-0.393	3.242
0.933	31.904	13.352	12.784	-1.343	3.200
0.934	30.990	12.461	12.600	-2.147	3.162
0.935	30.194	11.689	12.415	-2.729	3.122
0.936	29.398	10.917	12.228	-3.035	3.087
0.937	29.196	10.739	12.039	-3.037	3.057
0.938	29.451	11.018	11.850	-2.739	3.032
0.939	29.706	11.297	11.659	-2.171	3.018
0.940	30.209	11.823	11.467	-1.391	3.008
0.941	30.997	12.635	11.274	-0.477	3.010
0.942	31.786	13.447	11.081	0.483	3.015
0.943	32.452	14.138	10.886	1.393	3.029
0.944	32.908	14.617	10.691	2.167	3.041
0.945	33.363	15.096	10.496	2.729	3.056
0.946	33.566	15.322	10.300	3.027	3.067
0.947	33.060	14.840	10.103	3.032	3.075
0.948	32.554	14.358	9.906	2.747	3.077
0.949	31.949	13.777	9.709	2.201	3.070
0.950	30.831	12.682	9.512	1.449	3.060
0.951	29.713	11.588	9.314	0.565	3.039

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0.952	28.604	10.503	9.117	-0.364	3.017
0.953	27.633	9.556	8.919	-1.247	2.986
0.954	26.662	8.608	8.722	-1.998	2.956
0.955	25.690	7.661	8.525	-2.545	2.921
0.956	25.391	7.386	8.328	-2.837	2.890
0.957	25.120	7.138	8.131	-2.846	2.861
0.958	24.848	6.890	7.934	-2.574	2.835
0.959	25.302	7.368	7.738	-2.049	2.818
0.960	25.874	7.963	7.543	-1.323	2.804
0.961	26.446	8.559	7.347	-0.470	2.803
0.962	27.090	9.227	7.153	0.427	2.803
0.963	27.757	9.918	6.959	1.280	2.813
0.964	28.425	10.609	6.765	2.005	2.824
0.965	28.610	10.819	6.573	2.533	2.839
0.966	28.547	10.779	6.381	2.813	2.851
0.967	28.483	10.739	6.189	2.820	2.861
0.968	27.946	10.226	5.999	2.555	2.868
0.969	27.034	9.338	5.809	2.044	2.866
0.970	26.122	8.450	5.620	1.341	2.862
0.971	25.149	7.500	5.433	0.514	2.847
0.972	24.102	6.477	5.246	-0.355	2.831
0.973	23.055	5.454	5.060	-1.180	2.804
0.974	22.158	4.580	4.875	-1.883	2.778
0.975	21.530	3.976	4.691	-2.394	2.746
0.976	20.902	3.372	4.508	-2.665	2.716
0.977	20.495	2.988	4.326	-2.672	2.685
0.978	20.728	3.246	4.146	-2.417	2.657
0.979	20.961	3.503	3.967	-1.925	2.635
0.980	21.263	3.828	3.788	-1.246	2.616
0.981	21.939	4.528	3.611	-0.449	2.609
0.982	22.615	5.228	3.436	0.387	2.603
0.983	23.271	5.908	3.261	1.182	2.608
0.984	23.586	6.246	3.088	1.856	2.614
0.985	23.900	6.584	2.916	2.345	2.626
0.986	24.215	6.923	2.745	2.603	2.637
0.987	23.702	6.434	2.576	2.606	2.647
0.988	23.150	5.905	2.408	2.356	2.655
0.989	22.597	5.376	2.242	1.878	2.657
0.990	21.664	4.467	2.077	1.222	2.657
0.991	20.665	3.492	1.913	0.452	2.646
0.992	19.666	2.517	1.751	-0.355	2.635
0.993	18.814	1.688	1.591	-1.121	2.613
0.994	18.009	0.907	1.431	-1.771	2.592
0.995	17.205	0.126	1.274	-2.242	2.563
0.996	16.827	-0.228	1.118	-2.491	2.536
0.997	16.677	-0.354	0.963	-2.495	2.507
0.998	16.527	-0.480	0.810	-2.254	2.479
0.999	16.758	-0.226	0.658	-1.794	2.457
1.000	17.299	0.340	0.508	-1.161	2.436
1.001	17.840	0.905	0.360	-0.419	2.427
1.002	18.379	1.467	0.213	0.360	2.419
1.003	18.914	2.026	0.068	1.100	2.423
1.004	19.449	2.585	-0.076	1.728	2.427
1.005	19.750	2.909	-0.218	2.184	2.440
1.006	19.611	2.794	-0.358	2.423	2.452
1.007	19.472	2.679	-0.497	2.424	2.466
1.008	19.167	2.398	-0.634	2.187	2.480
1.009	18.358	1.613	-0.769	1.737	2.487
1.010	17.550	0.828	-0.903	1.118	2.495
1.011	16.732	0.034	-1.035	0.392	2.493
1.012	15.855	-0.819	-1.165	-0.370	2.491
1.013	14.979	-1.671	-1.294	-1.094	2.478
1.014	14.120	-2.506	-1.421	-1.708	2.466
1.015	13.621	-2.982	-1.546	-2.153	2.445

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1.016	13.121	-3.458	-1.669	-2.387	2.424
1.017	12.622	-3.934	-1.791	-2.387	2.401
1.018	12.947	-3.584	-1.911	-2.154	2.377
1.019	13.320	-3.188	-2.030	-1.712	2.358
1.020	13.693	-2.791	-2.146	-1.105	2.338
1.021	14.266	-2.194	-2.261	-0.393	2.330
1.022	14.876	-1.561	-2.374	0.353	2.320
1.023	15.485	-0.927	-2.486	1.061	2.323
1.024	15.802	-0.587	-2.596	1.662	2.326
1.025	16.017	-0.348	-2.704	2.097	2.338
1.026	16.232	-0.109	-2.810	2.324	2.350
1.027	15.987	-0.331	-2.914	2.321	2.364
1.028	15.486	-0.807	-3.017	2.090	2.380
1.029	14.986	-1.284	-3.118	1.653	2.390
1.030	14.304	-1.942	-3.218	1.055	2.402
1.031	13.470	-2.753	-3.316	0.353	2.404
1.032	12.635	-3.564	-3.412	-0.384	2.408
1.033	11.851	-4.324	-3.506	-1.082	2.400
1.034	11.130	-5.021	-3.598	-1.675	2.394
1.035	10.409	-5.718	-3.689	-2.105	2.378
1.036	9.944	-6.160	-3.779	-2.329	2.362
1.037	9.972	-6.108	-3.866	-2.327	2.343
1.038	10.000	-6.056	-3.952	-2.100	2.322
1.039	10.179	-5.853	-4.036	-1.670	2.304
1.040	10.833	-5.175	-4.119	-1.080	2.285
1.041	11.488	-4.497	-4.200	-0.389	2.275
1.042	12.115	-3.846	-4.279	0.337	2.263
1.043	12.574	-3.363	-4.357	1.026	2.264
1.044	13.032	-2.881	-4.433	1.610	2.263
1.045	13.467	-2.422	-4.507	2.033	2.272
1.046	13.315	-2.551	-4.580	2.254	2.281
1.047	13.162	-2.680	-4.651	2.252	2.292
1.048	13.010	-2.809	-4.721	2.028	2.306
1.049	12.368	-3.427	-4.789	1.604	2.315
1.050	11.693	-4.078	-4.855	1.024	2.328
1.051	11.019	-4.728	-4.920	0.343	2.330
1.052	10.248	-5.475	-4.984	-0.372	2.336
1.053	9.460	-6.240	-5.046	-1.050	2.329
1.054	8.671	-7.005	-5.106	-1.626	2.325
1.055	8.215	-7.437	-5.165	-2.044	2.310
1.056	7.878	-7.750	-5.223	-2.263	2.296
1.057	7.542	-8.063	-5.279	-2.263	2.277
1.058	7.725	-7.856	-5.333	-2.045	2.256
1.059	8.206	-7.350	-5.386	-1.632	2.238
1.060	8.688	-6.845	-5.438	-1.063	2.216
1.061	9.259	-6.250	-5.488	-0.396	2.204
1.062	9.908	-5.577	-5.537	0.304	2.187
1.063	10.558	-4.904	-5.585	0.969	2.184
1.064	10.998	-4.440	-5.631	1.533	2.178
1.065	11.164	-4.250	-5.676	1.942	2.183
1.066	11.331	-4.060	-5.720	2.158	2.187
1.067	11.298	-4.068	-5.762	2.159	2.195
1.068	10.867	-4.476	-5.803	1.948	2.206
1.069	10.436	-4.883	-5.843	1.544	2.213
1.070	9.932	-5.363	-5.881	0.990	2.224
1.071	9.186	-6.085	-5.918	0.338	2.226
1.072	8.440	-6.807	-5.954	-0.346	2.233
1.073	7.722	-7.501	-5.989	-0.996	2.227
1.074	7.189	-8.011	-6.023	-1.550	2.225
1.075	6.655	-8.521	-6.055	-1.952	2.212
1.076	6.142	-9.011	-6.086	-2.166	2.199
1.077	6.272	-8.856	-6.116	-2.171	2.182
1.078	6.403	-8.702	-6.145	-1.967	2.162
1.079	6.534	-8.547	-6.173	-1.575	2.145

Data Repository Item

1.080	7.155	-7.902	-6.200	-1.035	2.123
1.081	7.814	-7.220	-6.226	-0.399	2.111
1.082	8.472	-6.537	-6.250	0.269	2.093
1.083	8.972	-6.014	-6.274	0.905	2.088
1.084	9.440	-5.522	-6.296	1.447	2.080
1.085	9.907	-5.031	-6.318	1.842	2.082
1.086	9.931	-4.983	-6.338	2.053	2.084
1.087	9.791	-5.100	-6.358	2.060	2.091
1.088	9.650	-5.217	-6.376	1.862	2.100
1.089	9.205	-5.639	-6.394	1.481	2.106
1.090	8.580	-6.240	-6.410	0.955	2.119
1.091	7.954	-6.841	-6.426	0.334	2.120
1.092	7.327	-7.445	-6.440	-0.320	2.130
1.093	6.697	-8.051	-6.454	-0.944	2.126
1.094	6.067	-8.657	-6.467	-1.476	2.127
1.095	5.641	-9.060	-6.478	-1.866	2.117
1.096	5.489	-9.188	-6.489	-2.075	2.109
1.097	5.337	-9.316	-6.499	-2.085	2.095
1.098	5.380	-9.249	-6.509	-1.894	2.078
1.099	5.829	-8.776	-6.517	-1.523	2.065
1.100	6.278	-8.304	-6.524	-1.006	2.045
1.101	6.775	-7.783	-6.531	-0.396	2.037
1.102	7.436	-7.099	-6.536	0.248	2.020
1.103	8.096	-6.414	-6.541	0.864	2.018
1.104	8.698	-5.789	-6.545	1.390	2.010
1.105	8.881	-5.582	-6.548	1.777	2.015
1.106	9.064	-5.376	-6.550	1.986	2.018
1.107	9.232	-5.183	-6.552	1.998	2.026
1.108	8.800	-5.592	-6.552	1.811	2.039
1.109	8.368	-6.000	-6.552	1.445	2.046
1.110	7.935	-6.409	-6.550	0.934	2.063
1.111	7.288	-7.032	-6.548	0.330	2.066
1.112	6.622	-7.674	-6.545	-0.310	2.081
1.113	5.956	-8.316	-6.541	-0.922	2.079
1.114	5.550	-8.698	-6.537	-1.447	2.086
1.115	5.201	-9.024	-6.531	-1.833	2.080
1.116	4.852	-9.350	-6.524	-2.044	2.077
1.117	4.886	-9.292	-6.517	-2.058	2.068
1.118	5.069	-9.085	-6.508	-1.875	2.056
1.119	5.252	-8.878	-6.499	-1.511	2.049
1.120	5.727	-8.379	-6.489	-1.002	2.032
1.121	6.382	-7.701	-6.478	-0.397	2.030
1.122	7.036	-7.023	-6.465	0.244	2.015
1.123	7.617	-6.418	-6.452	0.860	2.019
1.124	8.130	-5.881	-6.438	1.390	2.014
1.125	8.643	-5.345	-6.423	1.782	2.024
1.126	8.875	-5.089	-6.406	1.998	2.031
1.127	8.716	-5.224	-6.389	2.015	2.043
1.128	8.557	-5.359	-6.371	1.832	2.060
1.129	8.246	-5.646	-6.351	1.466	2.072
1.130	7.607	-6.262	-6.330	0.951	2.095
1.131	6.968	-6.877	-6.308	0.338	2.102
1.132	6.356	-7.465	-6.285	-0.314	2.124
1.133	5.841	-7.956	-6.261	-0.942	2.127
1.134	5.326	-8.448	-6.236	-1.485	2.142
1.135	4.865	-8.884	-6.209	-1.887	2.141
1.136	4.819	-8.907	-6.181	-2.111	2.145
1.137	4.772	-8.930	-6.152	-2.132	2.143
1.138	4.734	-8.945	-6.121	-1.947	2.136
1.139	5.226	-8.429	-6.089	-1.572	2.137
1.140	5.718	-7.913	-6.056	-1.043	2.125
1.141	6.210	-7.397	-6.021	-0.411	2.132
1.142	6.932	-6.652	-5.985	0.263	2.122
1.143	7.675	-5.885	-5.948	0.914	2.136

Data Repository Item

1.144	8.418	-5.118	-5.909	1.478	2.136
1.145	8.729	-4.783	-5.868	1.899	2.154
1.146	8.943	-4.545	-5.826	2.133	2.167
1.147	9.156	-4.308	-5.783	2.158	2.187
1.148	8.849	-4.592	-5.737	1.967	2.213
1.149	8.332	-5.085	-5.691	1.578	2.230
1.150	7.816	-5.577	-5.642	1.026	2.263
1.151	7.206	-6.163	-5.593	0.365	2.275
1.152	6.538	-6.808	-5.541	-0.342	2.308
1.153	5.869	-7.453	-5.488	-1.026	2.314
1.154	5.404	-7.894	-5.433	-1.621	2.338
1.155	5.133	-8.141	-5.377	-2.066	2.341
1.156	4.862	-8.388	-5.319	-2.316	2.353
1.157	4.817	-8.410	-5.259	-2.344	2.358
1.158	5.094	-8.109	-5.198	-2.144	2.357
1.159	5.370	-7.809	-5.135	-1.734	2.367
1.160	5.813	-7.342	-5.070	-1.149	2.359
1.161	6.623	-6.509	-5.004	-0.446	2.378
1.162	7.433	-5.675	-4.936	0.309	2.372
1.163	8.208	-4.876	-4.866	1.041	2.399
1.164	8.849	-4.211	-4.795	1.678	2.405
1.165	9.491	-3.545	-4.722	2.156	2.437
1.166	10.037	-2.975	-4.648	2.425	2.460
1.167	9.800	-3.189	-4.572	2.455	2.491
1.168	9.563	-3.402	-4.495	2.241	2.530
1.169	9.321	-3.620	-4.416	1.798	2.553
1.170	8.542	-4.375	-4.336	1.167	2.602
1.171	7.764	-5.130	-4.254	0.408	2.615
1.172	6.985	-5.885	-4.171	-0.407	2.663
1.173	6.430	-6.416	-4.087	-1.196	2.666
1.174	5.898	-6.924	-4.001	-1.882	2.701
1.175	5.366	-7.433	-3.914	-2.393	2.700
1.176	5.296	-7.479	-3.827	-2.675	2.714
1.177	5.337	-7.414	-3.738	-2.695	2.717
1.178	5.378	-7.350	-3.648	-2.447	2.710
1.179	5.887	-6.816	-3.557	-1.951	2.724
1.180	6.592	-6.087	-3.465	-1.253	2.702
1.181	7.298	-5.358	-3.372	-0.420	2.733
1.182	8.195	-4.437	-3.279	0.465	2.710
1.183	9.218	-3.391	-3.185	1.310	2.754
1.184	10.241	-2.344	-3.090	2.028	2.747
1.185	10.877	-1.683	-2.995	2.542	2.792
1.186	11.134	-1.403	-2.899	2.797	2.812
1.187	11.391	-1.123	-2.803	2.764	2.840
1.188	11.235	-1.255	-2.707	2.445	2.888
1.189	10.469	-1.997	-2.611	1.874	2.883
1.190	9.702	-2.740	-2.515	1.112	2.946
1.191	8.913	-3.505	-2.418	0.241	2.896
1.192	8.070	-4.324	-2.322	-0.645	2.953
1.193	7.228	-5.143	-2.226	-1.451	2.859
1.194	6.503	-5.844	-2.131	-2.092	2.877
1.195	6.242	-6.081	-2.036	-2.506	2.754
1.196	5.980	-6.319	-1.941	-2.656	2.693
1.197	5.795	-6.481	-1.847	-2.537	2.569
1.198	6.286	-5.966	-1.753	-2.175	2.340
1.199	6.777	-5.451	-1.661	-1.622	2.256
1.200	7.268	-4.936	-1.569	-0.950	1.290

Data Repository Item**TABLE DR7.** DEPTH-DOMAIN OUTPUT OF MODEL RUN SIN 2

Depth (m; after 5 km burial)	Bulk resampled (vol% mud)	Bulk detrended (vol% mud)	LP component (vol% mud)	SP component (vol% mud)	Demodulated SP component (vol% mud)
4999.21	28.166	-19.106	-8.025	0.810	2.448
4999.22	39.804	-7.419	-8.340	1.368	1.397
4999.23	37.342	-9.834	-8.618	1.889	2.284
4999.24	34.879	-12.249	-8.855	1.283	4.206
4999.25	29.021	-18.059	-9.049	-1.137	5.846
4999.26	23.163	-23.869	-9.196	-5.008	8.009
4999.27	20.082	-26.903	-9.296	-8.928	9.676
4999.28	17.000	-29.937	-9.346	-11.146	11.148
4999.29	20.003	-26.885	-9.345	-10.470	12.189
4999.30	27.056	-19.785	-9.292	-6.848	12.636
4999.31	34.108	-12.685	-9.187	-1.330	12.842
4999.32	41.714	-5.031	-9.030	4.458	12.513
4999.33	49.320	2.623	-8.822	8.987	12.164
4999.34	50.132	3.482	-8.563	11.269	11.651
4999.35	50.943	4.342	-8.257	10.953	11.277
4999.36	46.900	0.346	-7.904	8.186	11.143
4999.37	42.857	-3.649	-7.507	3.469	11.184
4999.38	38.814	-7.644	-7.069	-2.340	11.605
4999.39	32.276	-14.134	-6.592	-7.986	12.087
4999.40	25.739	-20.624	-6.081	-11.975	12.708
4999.41	23.818	-22.497	-5.539	-13.035	13.185
4999.42	29.972	-16.295	-4.970	-10.724	13.395
4999.43	36.126	-10.093	-4.377	-5.759	13.306
4999.44	45.589	-0.582	-3.764	0.197	12.729
4999.45	55.052	8.929	-3.135	5.279	11.871
4999.46	58.598	12.522	-2.495	8.255	10.659
4999.47	62.144	16.116	-1.846	8.969	9.391
4999.48	60.784	14.804	-1.194	8.164	8.196
4999.49	59.425	13.493	-0.541	6.825	7.319
4999.50	58.065	12.181	0.110	5.508	6.957
4999.51	56.706	10.869	0.754	4.060	7.062
4999.52	51.636	5.848	1.389	1.909	7.619
4999.53	46.567	0.827	2.012	-1.323	8.330
4999.54	41.498	-4.194	2.621	-5.286	9.183
4999.55	36.448	-9.197	3.213	-8.842	9.934
4999.56	31.398	-14.199	3.787	-10.568	10.551
4999.57	34.932	-10.617	4.341	-9.545	10.900
4999.58	38.466	-7.035	4.872	-5.951	10.867
4999.59	47.816	2.363	5.382	-1.045	10.479
4999.60	57.166	11.760	5.867	3.441	9.634
4999.61	59.199	13.841	6.328	6.148	8.493
4999.62	61.232	15.922	6.764	6.656	7.063
4999.63	63.264	18.002	7.175	5.503	5.525
4999.64	63.092	17.878	7.561	3.737	4.009
4999.65	62.920	17.753	7.922	2.350	2.706
4999.66	62.747	17.629	8.258	1.871	2.039
4999.67	61.376	16.305	8.571	2.236	2.306
4999.68	60.004	14.981	8.860	2.882	3.102
4999.69	58.632	13.657	9.126	3.012	3.951
4999.70	57.261	12.333	9.370	1.979	4.758
4999.71	53.050	8.170	9.593	-0.336	5.420
4999.72	48.838	4.007	9.796	-3.332	6.020
4999.73	44.627	-0.156	9.979	-5.867	6.476
4999.74	43.693	-1.043	10.145	-6.800	6.817
4999.75	42.759	-1.930	10.293	-5.620	6.986
4999.76	49.579	4.939	10.424	-2.756	6.908

Data Repository Item

4999.77	56.399	11.807	10.541	0.640	6.607
4999.78	58.094	13.549	10.643	3.302	6.004
4999.79	59.788	15.291	10.732	4.475	5.201
4999.80	61.483	17.034	10.809	4.175	4.211
4999.81	61.482	17.081	10.874	3.004	3.144
4999.82	61.481	17.128	10.929	1.733	2.101
4999.83	61.481	17.175	10.975	0.923	1.188
4999.84	61.480	17.222	11.012	0.767	0.796
4999.85	61.101	16.891	11.040	1.136	1.177
4999.86	60.722	16.560	11.062	1.714	1.733
4999.87	60.342	16.228	11.077	2.135	2.220
4999.88	58.675	14.608	11.087	2.085	2.606
4999.89	57.007	12.989	11.091	1.396	2.858
4999.90	55.339	11.369	11.090	0.130	3.038
4999.91	53.153	9.231	11.085	-1.392	3.112
4999.92	50.968	7.093	11.077	-2.673	3.175
4999.93	48.782	4.955	11.065	-3.228	3.212
4999.94	50.559	6.780	11.050	-2.820	3.249
4999.95	52.337	8.605	11.033	-1.585	3.280
4999.96	54.114	10.431	11.013	0.023	3.230
4999.97	56.274	12.638	10.990	1.446	3.114
4999.98	58.433	14.846	10.966	2.279	2.860
4999.99	58.596	15.056	10.940	2.419	2.512
5000.00	58.759	15.267	10.911	2.048	2.075
5000.01	58.922	15.478	10.881	1.489	1.604
5000.02	59.085	15.688	10.849	1.037	1.187
5000.03	58.839	15.491	10.816	0.849	0.929
5000.04	58.594	15.293	10.780	0.925	0.962
5000.05	58.348	15.095	10.742	1.146	1.185
5000.06	57.633	14.428	10.701	1.340	1.456
5000.07	56.917	13.760	10.659	1.330	1.675
5000.08	56.201	13.092	10.614	1.002	1.832
5000.09	54.822	11.761	10.566	0.358	1.874
5000.10	53.443	10.429	10.515	-0.460	1.853
5000.11	52.064	9.098	10.461	-1.199	1.747
5000.12	51.602	8.684	10.403	-1.597	1.644
5000.13	51.140	8.270	10.342	-1.504	1.571
5000.14	52.366	9.543	10.276	-0.956	1.556
5000.15	53.591	10.817	10.207	-0.153	1.609
5000.16	54.817	12.090	10.134	0.639	1.645
5000.17	55.465	12.786	10.055	1.213	1.670
5000.18	56.113	13.482	9.972	1.492	1.628
5000.19	56.761	14.178	9.884	1.526	1.553
5000.20	56.700	14.164	9.791	1.435	1.459
5000.21	56.638	14.151	9.693	1.339	1.393
5000.22	56.577	14.137	9.589	1.311	1.406
5000.23	55.866	13.475	9.479	1.351	1.503
5000.24	55.156	12.812	9.364	1.388	1.684
5000.25	54.445	12.149	9.243	1.302	1.881
5000.26	53.171	10.923	9.116	0.974	2.073
5000.27	51.897	9.696	8.983	0.356	2.185
5000.28	50.623	8.470	8.844	-0.469	2.233
5000.29	48.989	6.884	8.699	-1.296	2.174
5000.30	47.355	5.298	8.547	-1.860	2.070
5000.31	47.945	5.935	8.390	-1.955	1.941
5000.32	48.534	6.572	8.226	-1.526	1.851
5000.33	49.123	7.209	8.056	-0.693	1.853
5000.34	50.717	8.851	7.879	0.308	1.917
5000.35	52.311	10.493	7.696	1.225	2.044
5000.36	52.688	10.918	7.507	1.884	2.160
5000.37	53.064	11.342	7.311	2.232	2.271
5000.38	53.441	11.766	7.108	2.312	2.366
5000.39	52.493	10.867	6.899	2.198	2.463
5000.40	51.546	9.967	6.684	1.930	2.590

Data Repository Item

5000.41	50.136	8.605	6.462	1.482	2.724
5000.42	48.726	7.243	6.232	0.800	2.870
5000.43	47.315	5.880	5.997	-0.121	2.957
5000.44	44.996	3.609	5.754	-1.163	2.989
5000.45	42.676	1.337	5.504	-2.090	2.916
5000.46	42.237	0.946	5.247	-2.629	2.778
5000.47	41.798	0.555	4.982	-2.590	2.596
5000.48	42.967	1.771	4.710	-1.952	2.428
5000.49	44.135	2.987	4.431	-0.875	2.347
5000.50	45.304	4.203	4.144	0.377	2.358
5000.51	46.806	5.754	3.849	1.534	2.489
5000.52	48.309	7.305	3.547	2.401	2.676
5000.53	48.036	7.079	3.236	2.891	2.911
5000.54	47.762	6.853	2.918	2.986	3.171
5000.55	46.341	5.480	2.591	2.679	3.440
5000.56	44.919	4.106	2.256	1.946	3.721
5000.57	43.498	2.733	1.912	0.777	3.956
5000.58	40.671	-0.047	1.561	-0.729	4.139
5000.59	37.843	-2.827	1.201	-2.304	4.202
5000.60	36.130	-4.492	0.833	-3.535	4.161
5000.61	34.416	-6.158	0.457	-4.009	4.009
5000.62	35.514	-5.012	0.072	-3.493	3.808
5000.63	36.612	-3.866	-0.320	-2.049	3.646
5000.64	38.748	-1.683	-0.720	-0.032	3.590
5000.65	40.883	0.501	-1.128	2.035	3.719
5000.66	41.686	1.351	-1.543	3.622	3.991
5000.67	42.488	2.201	-1.964	4.328	4.365
5000.68	40.889	0.649	-2.393	3.954	4.763
5000.69	39.289	-0.902	-2.828	2.537	5.108
5000.70	36.263	-3.881	-3.269	0.358	5.368
5000.71	33.236	-6.859	-3.715	-2.078	5.475
5000.72	30.662	-9.385	-4.167	-4.119	5.437
5000.73	28.089	-11.911	-4.623	-5.130	5.239
5000.74	27.791	-12.161	-5.083	-4.716	4.940
5000.75	29.917	-9.987	-5.546	-2.895	4.635
5000.76	32.044	-7.812	-6.012	-0.165	4.436
5000.77	33.844	-5.965	-6.480	2.628	4.483
5000.78	35.644	-4.117	-6.950	4.558	4.770
5000.79	35.137	-4.576	-7.421	4.941	5.225
5000.80	34.630	-5.035	-7.892	3.589	5.710
5000.81	29.243	-10.374	-8.363	0.904	6.086
5000.82	26.235	-13.334	-8.832	-2.246	6.290
5000.83	23.228	-16.294	-9.300	-4.811	6.253
5000.84	21.811	-17.663	-9.765	-5.923	5.999
5000.85	20.394	-19.032	-10.227	-5.204	5.571
5000.86	23.443	-15.935	-10.685	-2.901	5.069
5000.87	25.742	-13.588	-11.139	0.195	4.665
5000.88	28.041	-11.242	-11.588	3.019	4.495
5000.89	29.491	-9.744	-12.031	4.598	4.657
5000.90	27.696	-11.491	-12.468	4.370	5.064
5000.91	25.900	-13.239	-12.899	2.382	5.548
5000.92	22.929	-16.162	-13.322	-0.704	5.966
5000.93	19.957	-19.086	-13.737	-3.793	6.174
5000.94	15.505	-23.490	-14.144	-5.732	6.136
5000.95	15.834	-23.114	-14.543	-5.745	5.831
5000.96	16.162	-22.737	-14.932	-3.780	5.329
5000.97	20.789	-18.063	-15.312	-0.588	4.790
5000.98	22.453	-16.351	-15.682	2.544	4.409
5000.99	24.117	-14.639	-16.043	4.320	4.403
5001.00	22.943	-15.765	-16.392	3.983	4.761
5001.01	20.488	-18.172	-16.732	1.654	5.279
5001.02	18.033	-20.579	-17.060	-1.691	5.745
5001.03	12.979	-25.586	-17.378	-4.620	5.965
5001.04	12.189	-26.328	-17.684	-5.858	5.878

Data Repository Item

5001.05	11.398	-27.071	-17.980	-4.869	5.478
5001.06	14.578	-23.843	-18.264	-2.119	4.854
5001.07	19.060	-19.313	-18.536	1.122	4.219
5001.08	19.640	-18.686	-18.797	3.376	3.830
5001.09	20.219	-18.059	-19.047	3.642	3.903
5001.10	17.011	-21.219	-19.285	1.855	4.336
5001.11	14.519	-23.663	-19.511	-1.109	4.829
5001.12	12.026	-26.108	-19.726	-3.865	5.164
5001.13	9.149	-28.938	-19.929	-5.155	5.190
5001.14	10.227	-27.812	-20.121	-4.421	4.885
5001.15	12.348	-25.643	-20.302	-2.050	4.316
5001.16	14.469	-23.474	-20.471	0.812	3.638
5001.17	17.735	-20.160	-20.629	2.794	3.184
5001.18	16.585	-21.262	-20.775	2.937	3.251
5001.19	14.392	-23.407	-20.911	1.160	3.789
5001.20	12.199	-25.553	-21.035	-1.688	4.468
5001.21	8.526	-29.178	-21.147	-4.221	4.974
5001.22	8.238	-29.418	-21.249	-5.179	5.164
5001.23	7.950	-29.658	-21.340	-4.053	4.981
5001.24	10.853	-26.707	-21.419	-1.372	4.470
5001.25	15.276	-22.236	-21.487	1.534	3.824
5001.26	15.906	-21.559	-21.544	3.185	3.346
5001.27	16.535	-20.882	-21.590	2.715	3.392
5001.28	13.278	-24.091	-21.624	0.344	3.937
5001.29	9.029	-28.292	-21.647	-2.715	4.600
5001.30	8.115	-29.158	-21.658	-4.871	5.088
5001.31	7.201	-30.024	-21.658	-4.990	5.218
5001.32	8.569	-28.608	-21.646	-2.997	4.950
5001.33	12.947	-24.183	-21.621	0.074	4.378
5001.34	16.598	-20.483	-21.584	2.619	3.707
5001.35	15.919	-21.115	-21.535	3.296	3.338
5001.36	15.240	-21.746	-21.472	1.732	3.579
5001.37	10.705	-26.234	-21.396	-1.281	4.254
5001.38	9.161	-27.730	-21.307	-4.190	4.985
5001.39	7.617	-29.226	-21.203	-5.480	5.470
5001.40	7.613	-29.181	-21.084	-4.450	5.580
5001.41	11.102	-25.644	-20.951	-1.576	5.314
5001.42	16.584	-20.115	-20.803	1.724	4.766
5001.43	17.351	-19.300	-20.638	3.804	4.208
5001.44	18.118	-18.485	-20.457	3.609	3.990
5001.45	13.951	-22.605	-20.259	1.184	4.333
5001.46	11.640	-24.867	-20.044	-2.358	5.078
5001.47	9.330	-27.130	-19.811	-5.355	5.865
5001.48	7.824	-28.588	-19.559	-6.361	6.451
5001.49	10.069	-26.295	-19.289	-4.795	6.697
5001.50	13.268	-23.048	-18.999	-1.246	6.565
5001.51	16.468	-19.801	-18.690	2.726	6.157
5001.52	21.666	-14.554	-18.361	5.246	5.675
5001.53	20.592	-15.581	-18.011	4.980	5.472
5001.54	19.517	-16.608	-17.640	1.841	5.822
5001.55	13.133	-22.944	-17.248	-2.862	6.653
5001.56	9.428	-26.601	-16.835	-6.952	7.670
5001.57	9.798	-26.183	-16.400	-8.406	8.547
5001.58	10.168	-25.766	-15.944	-6.352	9.085
5001.59	16.361	-19.525	-15.467	-1.543	9.219
5001.60	25.336	-10.502	-14.968	3.956	8.982
5001.61	26.384	-9.406	-14.448	7.698	8.569
5001.62	27.432	-8.310	-13.907	7.949	8.244
5001.63	24.006	-11.688	-13.346	4.459	8.289
5001.64	20.580	-15.067	-12.764	-1.417	8.832
5001.65	13.500	-22.098	-12.163	-7.279	9.719
5001.66	12.679	-22.872	-11.542	-10.668	10.698
5001.67	11.858	-23.645	-10.904	-10.102	11.513
5001.68	16.723	-18.732	-10.248	-5.693	11.999

Data Repository Item

5001.69	28.581	-6.826	-9.575	0.912	12.117
5001.70	32.768	-2.592	-8.887	7.219	11.894
5001.71	36.954	1.642	-8.185	10.887	11.491
5001.72	34.805	-0.459	-7.470	10.583	11.101
5001.73	32.657	-2.559	-6.743	6.390	10.937
5001.74	27.186	-7.982	-6.006	-0.271	11.149
5001.75	21.715	-13.405	-5.260	-7.136	11.703
5001.76	15.748	-19.325	-4.506	-11.853	12.459
5001.77	16.967	-18.058	-3.747	-12.803	13.192
5001.78	18.186	-16.791	-2.984	-9.702	13.713
5001.79	30.898	-4.031	-2.218	-3.688	13.914
5001.80	38.203	3.322	-1.452	3.196	13.753
5001.81	45.509	10.676	-0.687	8.867	13.311
5001.82	46.526	11.740	0.075	11.930	12.696
5001.83	47.542	12.805	0.833	11.916	12.079
5001.84	43.771	9.081	1.584	9.075	11.618
5001.85	39.999	5.357	2.327	4.073	11.428
5001.86	36.228	1.634	3.060	-2.101	11.587
5001.87	30.024	-4.523	3.782	-8.072	12.050
5001.88	23.820	-10.679	4.490	-12.183	12.713
5001.89	21.629	-12.822	5.184	-13.017	13.374
5001.90	27.064	-7.339	5.862	-10.129	13.830
5001.91	32.499	-1.856	6.522	-4.452	13.926
5001.92	50.641	16.334	7.164	2.034	13.565
5001.93	53.140	18.880	7.785	7.263	12.791
5001.94	55.638	21.427	8.386	10.052	11.715
5001.95	58.137	23.974	8.964	10.440	10.554
5001.96	56.424	22.309	9.520	9.238	9.532
5001.97	54.712	20.644	10.053	7.228	8.829
5001.98	52.999	18.979	10.561	4.644	8.527
5001.99	48.188	14.216	11.045	1.310	8.571
5002.00	43.377	9.453	11.504	-2.761	8.887
5002.01	38.567	4.690	11.938	-6.858	9.357
5002.02	33.622	-0.207	12.347	-9.651	9.888
5002.03	28.678	-5.103	12.731	-9.891	10.337
5002.04	34.626	0.893	13.090	-7.245	10.556
5002.05	43.578	9.893	13.425	-2.644	10.429
5002.06	52.530	18.893	13.735	2.157	9.870
5002.07	54.590	21.001	14.022	5.513	8.910
5002.08	56.650	23.109	14.287	6.702	7.622
5002.09	58.710	25.217	14.528	6.110	6.187
5002.10	58.527	25.081	14.749	4.780	4.834
5002.11	58.343	24.945	14.948	3.712	3.863
5002.12	58.159	24.809	15.128	3.331	3.535
5002.13	56.444	23.142	15.289	3.376	3.782
5002.14	54.729	21.475	15.431	3.160	4.282
5002.15	53.014	19.808	15.557	2.030	4.782
5002.16	49.022	15.863	15.667	-0.194	5.223
5002.17	45.030	11.919	15.761	-3.006	5.603
5002.18	41.037	7.974	15.842	-5.385	5.970
5002.19	39.819	6.803	15.909	-6.288	6.308
5002.20	38.600	5.632	15.964	-5.229	6.566
5002.21	45.039	12.119	16.008	-2.575	6.666
5002.22	51.478	18.606	16.042	0.631	6.517
5002.23	53.139	20.315	16.066	3.225	6.099
5002.24	54.800	22.024	16.081	4.493	5.415
5002.25	56.461	23.733	16.088	4.430	4.549
5002.26	56.502	23.822	16.088	3.576	3.610
5002.27	56.544	23.911	16.081	2.621	2.760
5002.28	56.080	23.495	16.068	2.030	2.193
5002.29	55.616	23.079	16.050	1.887	2.037
5002.30	55.152	22.663	16.027	1.939	2.188
5002.31	53.648	21.207	15.999	1.797	2.398
5002.32	52.144	19.751	15.966	1.166	2.537

Data Repository Item

5002.33	50.640	18.295	15.930	0.033	2.562
5002.34	48.550	16.252	15.891	-1.295	2.538
5002.35	46.459	14.209	15.848	-2.314	2.530
5002.36	44.369	12.167	15.801	-2.580	2.612
5002.37	46.715	14.561	15.752	-1.956	2.771
5002.38	49.062	16.956	15.700	-0.685	2.925
5002.39	50.303	18.245	15.646	0.744	3.008
5002.40	51.545	19.534	15.588	1.852	2.949
5002.41	52.786	20.823	15.528	2.388	2.758
5002.42	53.129	21.214	15.465	2.389	2.453
5002.43	53.471	21.604	15.400	2.087	2.106
5002.44	53.177	21.358	15.331	1.751	1.801
5002.45	52.883	21.112	15.261	1.549	1.623
5002.46	52.589	20.865	15.187	1.493	1.603
5002.47	51.900	20.224	15.111	1.463	1.672
5002.48	51.210	19.582	15.032	1.287	1.741
5002.49	50.520	18.940	14.949	0.849	1.731
5002.50	48.899	17.366	14.864	0.173	1.637
5002.51	47.277	15.792	14.776	-0.569	1.465
5002.52	46.921	15.485	14.685	-1.123	1.310
5002.53	46.566	15.177	14.590	-1.266	1.265
5002.54	46.211	14.870	14.493	-0.921	1.385
5002.55	47.616	16.323	14.392	-0.195	1.615
5002.56	49.022	17.777	14.287	0.672	1.838
5002.57	49.670	18.473	14.179	1.421	2.004
5002.58	50.319	19.170	14.068	1.882	2.071
5002.59	50.251	19.150	13.953	2.026	2.054
5002.60	50.184	19.130	13.834	1.938	1.979
5002.61	50.116	19.110	13.711	1.737	1.887
5002.62	49.218	18.260	13.584	1.501	1.817
5002.63	48.320	17.410	13.454	1.227	1.766
5002.64	47.444	16.582	13.319	0.858	1.726
5002.65	46.568	15.753	13.180	0.357	1.643
5002.66	45.692	14.925	13.037	-0.234	1.512
5002.67	44.358	13.639	12.889	-0.772	1.320
5002.68	43.024	12.353	12.736	-1.073	1.137
5002.69	43.610	12.987	12.579	-1.003	1.044
5002.70	44.197	13.621	12.417	-0.562	1.113
5002.71	44.882	14.355	12.249	0.118	1.310
5002.72	45.568	15.088	12.077	0.835	1.526
5002.73	46.254	15.822	11.899	1.416	1.717
5002.74	46.556	16.172	11.715	1.777	1.852
5002.75	46.858	16.522	11.526	1.930	1.948
5002.76	46.210	15.922	11.330	1.932	2.031
5002.77	45.563	15.322	11.129	1.817	2.120
5002.78	44.647	14.455	10.921	1.550	2.223
5002.79	43.732	13.587	10.707	1.056	2.302
5002.80	42.817	12.720	10.486	0.300	2.337
5002.81	41.043	10.994	10.259	-0.626	2.284
5002.82	39.269	9.268	10.024	-1.484	2.168
5002.83	38.775	8.822	9.782	-1.963	2.020
5002.84	38.281	8.376	9.533	-1.831	1.937
5002.85	39.568	9.710	9.277	-1.058	2.004
5002.86	40.855	11.045	9.013	0.163	2.222
5002.87	41.888	12.126	8.742	1.494	2.546
5002.88	42.922	13.207	8.462	2.583	2.884
5002.89	42.698	13.032	8.176	3.174	3.191
5002.90	42.475	12.857	7.881	3.141	3.433
5002.91	40.939	11.368	7.579	2.486	3.589
5002.92	39.402	9.879	7.268	1.320	3.661
5002.93	37.193	7.718	6.951	-0.144	3.630
5002.94	34.984	5.557	6.625	-1.602	3.519
5002.95	33.450	4.071	6.292	-2.704	3.334
5002.96	31.916	2.584	5.951	-3.133	3.138

Data Repository Item

5002.97	32.725	3.442	5.603	-2.710	2.998
5002.98	33.535	4.299	5.248	-1.466	2.994
5002.99	35.192	6.004	4.885	0.340	3.185
5003.00	36.850	7.710	4.516	2.259	3.531
5003.01	37.431	8.339	4.140	3.751	3.975
5003.02	38.013	8.968	3.758	4.322	4.419
5003.03	36.760	7.763	3.370	3.694	4.784
5003.04	35.508	6.559	2.976	1.942	5.020
5003.05	30.672	1.771	2.577	-0.470	5.076
5003.06	28.436	-0.417	2.173	-2.795	4.969
5003.07	26.201	-2.604	1.764	-4.267	4.714
5003.08	25.950	-2.808	1.351	-4.381	4.395
5003.09	25.699	-3.011	0.934	-3.087	4.114
5003.10	29.207	0.545	0.514	-0.800	3.972
5003.11	30.668	2.054	0.091	1.755	4.049
5003.12	32.130	3.564	-0.335	3.780	4.306
5003.13	31.726	3.208	-0.762	4.632	4.669
5003.14	31.323	2.852	-1.190	4.002	5.029
5003.15	29.124	0.702	-1.619	2.027	5.288
5003.16	26.926	-1.449	-2.048	-0.699	5.398
5003.17	21.724	-6.603	-2.476	-3.265	5.309
5003.18	20.366	-7.913	-2.904	-4.745	5.051
5003.19	19.009	-9.223	-3.329	-4.564	4.672
5003.20	21.555	-6.629	-3.752	-2.769	4.283
5003.21	23.513	-4.623	-4.173	-0.033	4.030
5003.22	25.470	-2.617	-4.590	2.604	4.003
5003.23	26.724	-1.316	-5.002	4.142	4.215
5003.24	25.245	-2.747	-5.410	4.002	4.547
5003.25	23.767	-4.177	-5.812	2.228	4.858
5003.26	21.203	-6.693	-6.209	-0.513	5.054
5003.27	18.640	-9.209	-6.598	-3.156	5.051
5003.28	14.539	-13.262	-6.981	-4.634	4.857
5003.29	14.939	-12.814	-7.356	-4.314	4.505
5003.30	16.964	-10.741	-7.723	-2.304	4.103
5003.31	18.989	-8.668	-8.081	0.549	3.825
5003.32	21.888	-5.721	-8.431	3.011	3.796
5003.33	21.421	-6.140	-8.770	4.006	4.044
5003.34	20.954	-6.560	-9.100	3.096	4.432
5003.35	16.750	-10.716	-9.420	0.675	4.784
5003.36	14.466	-12.953	-9.729	-2.212	4.992
5003.37	12.181	-15.189	-10.027	-4.320	4.974
5003.38	10.585	-16.738	-10.315	-4.742	4.739
5003.39	11.957	-15.318	-10.591	-3.299	4.340
5003.40	13.329	-13.898	-10.855	-0.636	3.892
5003.41	17.292	-9.887	-11.109	2.039	3.584
5003.42	18.359	-8.772	-11.350	3.491	3.547
5003.43	17.008	-10.076	-11.580	3.037	3.782
5003.44	15.657	-11.379	-11.798	0.897	4.134
5003.45	11.240	-15.747	-12.005	-1.890	4.402
5003.46	9.888	-17.052	-12.200	-3.960	4.484
5003.47	8.536	-18.356	-12.384	-4.295	4.322
5003.48	9.372	-17.472	-12.556	-2.752	3.956
5003.49	13.080	-13.716	-12.717	-0.132	3.515
5003.50	15.996	-10.752	-12.867	2.219	3.175
5003.51	15.543	-11.157	-13.006	3.111	3.135
5003.52	15.091	-11.562	-13.134	2.111	3.395
5003.53	11.288	-15.317	-13.251	-0.242	3.765
5003.54	9.614	-16.943	-13.357	-2.733	4.067
5003.55	7.939	-18.570	-13.453	-4.099	4.164
5003.56	7.302	-19.159	-13.539	-3.669	4.030
5003.57	9.784	-16.630	-13.615	-1.689	3.709
5003.58	13.652	-12.714	-13.680	0.828	3.308
5003.59	14.241	-12.077	-13.736	2.624	3.027
5003.60	14.831	-11.439	-13.781	2.833	3.016

Data Repository Item

5003.61	12.094	-14.129	-13.817	1.380	3.270
5003.62	10.213	-15.961	-13.843	-1.002	3.637
5003.63	8.333	-17.793	-13.859	-3.152	3.920
5003.64	6.611	-19.468	-13.866	-4.036	4.021
5003.65	7.706	-18.324	-13.862	-3.239	3.889
5003.66	9.579	-16.404	-13.849	-1.161	3.543
5003.67	11.452	-14.483	-13.825	1.160	3.103
5003.68	14.642	-11.246	-13.792	2.549	2.738
5003.69	13.594	-12.245	-13.748	2.282	2.684
5003.70	11.654	-14.138	-13.693	0.477	2.988
5003.71	9.713	-16.031	-13.628	-1.941	3.443
5003.72	6.941	-18.755	-13.551	-3.696	3.848
5003.73	6.825	-18.823	-13.463	-3.827	4.055
5003.74	9.719	-15.882	-13.364	-2.206	4.017
5003.75	12.032	-13.520	-13.252	0.375	3.788
5003.76	14.346	-11.159	-13.128	2.591	3.474
5003.77	15.750	-9.706	-12.992	3.263	3.297
5003.78	14.047	-11.361	-12.842	1.969	3.424
5003.79	12.344	-13.017	-12.679	-0.711	3.835
5003.80	8.361	-16.952	-12.502	-3.453	4.368
5003.81	6.956	-18.309	-12.311	-4.833	4.816
5003.82	8.724	-16.494	-12.106	-4.050	5.064
5003.83	11.322	-13.847	-11.885	-1.369	5.081
5003.84	13.921	-11.201	-11.649	1.952	4.896
5003.85	18.299	-6.775	-11.398	4.244	4.668
5003.86	17.481	-7.545	-11.130	4.250	4.582
5003.87	16.663	-8.315	-10.847	1.807	4.798
5003.88	11.460	-13.470	-10.547	-1.998	5.314
5003.89	8.251	-16.632	-10.230	-5.303	5.938
5003.90	8.478	-16.356	-9.896	-6.380	6.488
5003.91	8.706	-16.081	-9.546	-4.546	6.819
5003.92	13.532	-11.207	-9.178	-0.563	6.867
5003.93	20.850	-3.841	-8.794	3.691	6.691
5003.94	21.803	-2.840	-8.392	6.139	6.403
5003.95	22.756	-1.839	-7.974	5.538	6.215
5003.96	17.262	-7.286	-7.539	2.084	6.314
5003.97	14.350	-10.149	-7.087	-2.684	6.733
5003.98	11.439	-13.013	-6.619	-6.617	7.377
5003.99	9.899	-14.505	-6.136	-7.918	8.049
5004.00	13.550	-10.806	-5.637	-5.920	8.597
5004.01	18.239	-6.070	-5.123	-1.346	8.942
5004.02	22.928	-1.333	-4.596	3.996	9.052
5004.03	29.960	5.748	-4.054	7.935	9.007
5004.04	28.310	4.145	-3.500	8.784	8.913
5004.05	26.660	2.543	-2.934	6.010	8.926
5004.06	22.237	-1.833	-2.357	0.508	9.190
5004.07	17.814	-6.208	-1.770	-5.660	9.718
5004.08	12.844	-11.130	-1.175	-10.007	10.450
5004.09	13.661	-10.265	-0.571	-10.632	11.219
5004.10	14.478	-9.400	0.039	-7.080	11.859
5004.11	24.208	0.378	0.655	-0.620	12.266
5004.12	36.285	12.503	1.275	6.262	12.367
5004.13	37.285	13.551	1.897	10.943	12.211
5004.14	38.286	14.599	2.521	11.753	11.874
5004.15	33.657	10.018	3.145	8.553	11.494
5004.16	29.028	5.437	3.767	2.607	11.221
5004.17	23.997	0.454	4.387	-4.034	11.130
5004.18	18.966	-4.529	5.002	-9.273	11.272
5004.19	17.934	-5.513	5.611	-11.585	11.574
5004.20	16.902	-6.497	6.212	-10.379	11.944
5004.21	24.912	1.561	6.805	-6.108	12.282
5004.22	32.421	9.118	7.387	-0.076	12.482
5004.23	39.930	16.674	7.957	5.975	12.522
5004.24	43.357	20.149	8.515	10.388	12.368

Data Repository Item

5004.25	46.784	23.624	9.058	12.022	12.066
5004.26	44.480	21.368	9.585	10.486	11.660
5004.27	42.176	19.112	10.096	6.205	11.213
5004.28	36.188	13.171	10.588	0.344	10.818
5004.29	30.199	7.230	11.062	-5.418	10.514
5004.30	26.119	3.198	11.516	-9.338	10.354
5004.31	22.040	-0.834	11.949	-10.221	10.288
5004.32	26.082	3.257	12.360	-7.926	10.236
5004.33	33.370	10.592	12.749	-3.449	10.107
5004.34	40.658	17.928	13.116	1.548	9.804
5004.35	43.845	21.163	13.460	5.522	9.334
5004.36	47.032	24.398	13.780	7.675	8.723
5004.37	46.742	24.156	14.076	8.047	8.088
5004.38	46.451	23.913	14.349	7.119	7.526
5004.39	44.673	22.183	14.598	5.303	7.103
5004.40	42.895	20.452	14.823	2.762	6.836
5004.41	41.116	18.721	15.025	-0.360	6.664
5004.42	36.096	13.748	15.203	-3.569	6.585
5004.43	31.075	8.775	15.359	-5.952	6.566
5004.44	29.809	7.557	15.492	-6.574	6.618
5004.45	28.543	6.339	15.603	-5.083	6.701
5004.46	38.732	16.577	15.693	-2.017	6.727
5004.47	41.466	19.358	15.761	1.441	6.644
5004.48	44.200	22.140	15.810	4.122	6.380
5004.49	44.432	22.420	15.839	5.435	5.981
5004.50	44.665	22.700	15.850	5.482	5.500
5004.51	44.897	22.981	15.842	4.724	5.036
5004.52	43.761	21.892	15.817	3.548	4.659
5004.53	42.624	20.803	15.776	2.091	4.362
5004.54	40.190	18.417	15.718	0.375	4.131
5004.55	37.756	16.031	15.646	-1.432	3.903
5004.56	35.039	13.362	15.560	-2.917	3.714
5004.57	32.322	10.692	15.460	-3.587	3.586
5004.58	34.060	12.478	15.348	-3.152	3.575
5004.59	35.798	14.264	15.223	-1.726	3.680
5004.60	37.900	16.414	15.087	0.222	3.826
5004.61	40.003	18.565	14.940	2.095	3.972
5004.62	40.907	19.517	14.783	3.423	4.041
5004.63	41.811	20.468	14.616	3.988	4.040
5004.64	41.235	19.941	14.440	3.793	3.958
5004.65	40.660	19.413	14.255	2.961	3.803
5004.66	38.966	17.767	14.063	1.668	3.596
5004.67	37.271	16.120	13.862	0.144	3.315
5004.68	35.443	14.339	13.654	-1.297	3.012
5004.69	33.614	12.558	13.439	-2.289	2.706
5004.70	33.027	12.019	13.218	-2.517	2.504
5004.71	32.439	11.480	12.990	-1.875	2.477
5004.72	35.130	14.218	12.756	-0.541	2.624
5004.73	36.358	15.494	12.516	1.070	2.896
5004.74	37.587	16.771	12.270	2.472	3.158
5004.75	37.698	16.930	12.019	3.287	3.368
5004.76	37.809	17.088	11.763	3.353	3.474
5004.77	36.448	15.776	11.501	2.715	3.469
5004.78	35.088	14.463	11.235	1.564	3.373
5004.79	33.304	12.727	10.964	0.168	3.173
5004.80	31.520	10.991	10.689	-1.165	2.926
5004.81	30.286	9.805	10.409	-2.113	2.635
5004.82	29.052	8.619	10.124	-2.405	2.394
5004.83	29.447	9.062	9.836	-1.912	2.284
5004.84	29.843	9.505	9.543	-0.726	2.360
5004.85	32.286	11.996	9.247	0.832	2.627
5004.86	32.993	12.751	8.947	2.300	2.958
5004.87	33.699	13.505	8.643	3.230	3.288
5004.88	32.915	12.768	8.336	3.329	3.532

Data Repository Item

5004.89	32.131	12.032	8.025	2.550	3.644
5004.90	30.397	10.347	7.711	1.104	3.626
5004.91	28.664	8.661	7.394	-0.588	3.448
5004.92	25.653	5.698	7.074	-2.011	3.175
5004.93	25.231	5.324	6.751	-2.705	2.832
5004.94	24.810	4.951	6.426	-2.426	2.539
5004.95	25.696	5.885	6.098	-1.243	2.417
5004.96	26.583	6.819	5.768	0.455	2.510
5004.97	28.652	8.936	5.437	2.091	2.800
5004.98	28.554	8.886	5.103	3.090	3.130
5004.99	28.455	8.835	4.768	3.090	3.404
5005.00	27.041	7.469	4.432	2.081	3.553
5005.01	25.628	6.103	4.095	0.418	3.515
5005.02	22.382	2.905	3.757	-1.296	3.326
5005.03	21.408	1.979	3.419	-2.438	2.980
5005.04	20.435	1.054	3.080	-2.602	2.585
5005.05	21.159	1.825	2.742	-1.754	2.253
5005.06	22.206	2.921	2.404	-0.239	2.111
5005.07	23.254	4.017	2.066	1.362	2.251
5005.08	24.229	5.040	1.730	2.456	2.538
5005.09	23.373	4.231	1.396	2.646	2.851
5005.10	22.516	3.422	1.063	1.863	3.083
5005.11	20.967	1.921	0.732	0.397	3.145
5005.12	19.419	0.420	0.403	-1.197	3.054
5005.13	16.924	-2.026	0.078	-2.290	2.778
5005.14	16.692	-2.211	-0.245	-2.425	2.408
5005.15	16.460	-2.395	-0.564	-1.533	2.054
5005.16	18.138	-0.669	-0.879	0.010	1.877
5005.17	19.798	1.039	-1.190	1.525	2.025
5005.18	19.583	0.871	-1.497	2.337	2.357
5005.19	19.367	0.704	-1.798	2.080	2.700
5005.20	16.861	-1.755	-2.095	0.868	2.942
5005.21	15.502	-3.066	-2.386	-0.761	2.977
5005.22	14.143	-4.377	-2.672	-2.087	2.845
5005.23	12.594	-5.878	-2.952	-2.522	2.533
5005.24	13.173	-5.252	-3.226	-1.872	2.154
5005.25	13.751	-4.625	-3.493	-0.428	1.877
5005.26	15.641	-2.687	-3.754	1.143	1.845
5005.27	16.309	-1.972	-4.008	2.092	2.113
5005.28	15.533	-2.700	-4.256	1.950	2.481
5005.29	14.757	-3.428	-4.496	0.766	2.759
5005.30	12.169	-5.968	-4.729	-0.891	2.892
5005.31	9.934	-8.155	-4.955	-2.204	2.787
5005.32	9.978	-8.064	-5.174	-2.527	2.513
5005.33	10.021	-7.972	-5.385	-1.713	2.139
5005.34	12.051	-5.895	-5.590	-0.192	1.803
5005.35	13.473	-4.425	-5.786	1.258	1.743
5005.36	13.237	-4.614	-5.976	1.910	1.942
5005.37	13.000	-4.802	-6.158	1.454	2.242
5005.38	10.909	-6.846	-6.333	0.146	2.496
5005.39	9.686	-8.021	-6.500	-1.336	2.547
5005.40	8.463	-9.196	-6.661	-2.231	2.429
5005.41	7.419	-10.192	-6.814	-2.090	2.131
5005.42	8.911	-8.652	-6.961	-1.001	1.756
5005.43	10.925	-6.590	-7.100	0.451	1.525
5005.44	11.183	-6.284	-7.233	1.490	1.567
5005.45	11.442	-5.978	-7.359	1.563	1.866
5005.46	10.105	-7.267	-7.479	0.628	2.219
5005.47	7.793	-9.531	-7.592	-0.815	2.416
5005.48	6.965	-10.311	-7.699	-2.002	2.462
5005.49	6.138	-11.091	-7.800	-2.307	2.290
5005.50	6.543	-10.638	-7.894	-1.573	1.974
5005.51	8.585	-8.548	-7.983	-0.198	1.663
5005.52	9.309	-7.775	-8.065	1.082	1.487

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5005.53	10.034	-7.003	-8.142	1.584	1.630
5005.54	9.597	-7.392	-8.213	1.040	1.950
5005.55	7.659	-9.282	-8.277	-0.258	2.212
5005.56	5.706	-11.188	-8.336	-1.610	2.377
5005.57	5.470	-11.376	-8.390	-2.286	2.319
5005.58	5.234	-11.563	-8.437	-1.925	2.099
5005.59	6.626	-10.124	-8.478	-0.728	1.807
5005.60	8.675	-8.027	-8.513	0.656	1.528
5005.61	9.242	-7.412	-8.542	1.480	1.521
5005.62	8.572	-8.034	-8.565	1.307	1.746
5005.63	7.902	-8.657	-8.580	0.240	2.006
5005.64	5.838	-10.673	-8.590	-1.134	2.234
5005.65	4.754	-11.709	-8.592	-2.072	2.246
5005.66	5.038	-11.377	-8.586	-2.074	2.098
5005.67	5.322	-11.046	-8.574	-1.161	1.821
5005.68	7.350	-8.969	-8.553	0.146	1.460
5005.69	8.941	-7.330	-8.524	1.114	1.301
5005.70	8.449	-7.775	-8.486	1.211	1.391
5005.71	7.458	-8.717	-8.439	0.404	1.619
5005.72	6.468	-9.660	-8.383	-0.828	1.887
5005.73	4.871	-11.209	-8.318	-1.767	1.952
5005.74	4.726	-11.306	-8.242	-1.868	1.879
5005.75	6.252	-9.732	-8.155	-1.071	1.681
5005.76	7.404	-8.533	-8.058	0.170	1.386
5005.77	8.556	-7.333	-7.950	1.140	1.312
5005.78	9.217	-6.624	-7.831	1.268	1.466
5005.79	7.615	-8.178	-7.700	0.454	1.732
5005.80	6.579	-9.166	-7.557	-0.867	2.066
5005.81	5.543	-10.155	-7.403	-1.951	2.177
5005.82	4.703	-10.947	-7.237	-2.160	2.168
5005.83	5.562	-10.040	-7.059	-1.324	2.040
5005.84	8.073	-7.481	-6.870	0.138	1.782
5005.85	9.068	-6.438	-6.669	1.429	1.767
5005.86	10.063	-5.395	-6.458	1.805	1.919
5005.87	9.327	-6.083	-6.236	1.000	2.185
5005.88	6.912	-8.450	-6.004	-0.600	2.583
5005.89	6.088	-9.227	-5.763	-2.136	2.684
5005.90	5.263	-10.004	-5.513	-2.729	2.714
5005.91	5.390	-9.829	-5.255	-1.977	2.589
5005.92	7.577	-7.595	-4.991	-0.213	2.270
5005.93	10.748	-4.375	-4.721	1.635	2.363
5005.94	11.146	-3.930	-4.446	2.530	2.573
5005.95	11.544	-3.484	-4.167	1.911	2.924
5005.96	9.168	-5.812	-3.886	0.034	3.604
5005.97	6.556	-8.376	-3.603	-2.144	3.529
5005.98	5.745	-9.139	-3.321	-3.498	3.799
5005.99	6.507	-8.329	-3.040	-3.360	3.905

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TABLE DR8. INPUT SIGNALS OF MODEL RUN MILex

The input sea level curve was calculated using a simplified sea level-climate transfer function:

$$SL(t) = a \cdot INSO(t) + b \cdot ECC(t) + c$$

where
 SL(t) is eustatic sea level at time t
 INSO(t) is southern hemisphere summer solstice insolation at 80° south at time t (0 to 1 m.y. B.P.); calculated with Analyseries software (Paillard et al., 1996) using the solution of Laskar (1990)
 ECC(t) is eccentricity at time t (0 to 1 m.y. B.P.); calculated with Analyseries software (Paillard et al., 1996) using the solution of Laskar (1990)
 a, b, c are constants; a = 0.05; b = -300; c = -6.695

Note: High-latitude, southern hemisphere summer solstice insolation is used as an example; it simulates possible forcing of "greenhouse" eustasy by high-elevation Antarctic ice sheet; cf. Pollard and DeConto (2003).

Time (m.y. before run end)	Primary signal		Input sea level			Filtered input sea level				
	INSO (W/m ²)	ECC	Eustasy (m)	Linear trend ~subsidence (m)	Sum of eustasy and subsidence (m)	~20 k.y. (m)	demodulated ~20 k.y. (m)	~100 k.y. (m)	demodulated ~100 k.y. (m)	~400 k.y. (m)
0	552.582	0.0167086	15.92	100	115.92	0.208	1.219	1.400	3.602	-0.258
0.001	556.335	0.0171161	15.99	99.9	115.89	0.357	0.614	1.372	2.819	-0.219
0.002	558.315	0.0174972	15.97	99.8	115.77	0.470	0.646	1.343	2.689	-0.181
0.003	558.461	0.017851	15.87	99.7	115.57	0.529	0.539	1.310	2.385	-0.143
0.004	556.891	0.0181765	15.70	99.6	115.30	0.525	0.525	1.277	2.287	-0.106
0.005	553.88	0.0184726	15.46	99.5	114.96	0.453	0.539	1.242	2.089	-0.070
0.006	549.829	0.0187384	15.17	99.4	114.57	0.322	0.506	1.206	2.011	-0.034
0.007	545.216	0.0189727	14.87	99.3	114.17	0.145	0.561	1.170	1.864	0.002
0.008	540.54	0.0191745	14.58	99.2	113.78	-0.054	0.531	1.134	1.801	0.036
0.009	536.276	0.0193429	14.32	99.1	113.42	-0.251	0.581	1.099	1.686	0.070
0.01	532.82	0.0194772	14.10	99	113.10	-0.420	0.565	1.065	1.635	0.104
0.011	530.463	0.0195768	13.96	98.9	112.86	-0.539	0.594	1.032	1.545	0.137
0.012	529.361	0.0196416	13.88	98.8	112.68	-0.594	0.595	1.001	1.505	0.169
0.013	529.529	0.0196718	13.88	98.7	112.58	-0.579	0.599	0.972	1.433	0.200
0.014	530.84	0.0196679	13.95	98.6	112.55	-0.494	0.614	0.946	1.404	0.231
0.015	533.039	0.0196309	14.07	98.5	112.57	-0.353	0.600	0.922	1.348	0.261
0.016	535.771	0.0195622	14.22	98.4	112.62	-0.171	0.621	0.902	1.329	0.290
0.017	538.615	0.0194632	14.40	98.3	112.70	0.029	0.601	0.884	1.286	0.318
0.018	541.127	0.0193359	14.56	98.2	112.76	0.224	0.619	0.870	1.276	0.345
0.019	542.886	0.0191823	14.69	98.1	112.79	0.393	0.602	0.859	1.246	0.372
0.02	543.541	0.0190045	14.78	98	112.78	0.519	0.612	0.853	1.244	0.398
0.021	542.853	0.0188047	14.81	97.9	112.71	0.590	0.603	0.849	1.224	0.422
0.022	540.718	0.018585	14.77	97.8	112.57	0.600	0.601	0.850	1.230	0.446
0.023	537.185	0.0183475	14.66	97.7	112.36	0.552	0.601	0.854	1.218	0.469
0.024	532.447	0.0180941	14.50	97.6	112.10	0.454	0.588	0.863	1.230	0.491

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0.025	526.822	0.017827	14.30	97.5	111.80	0.317	0.593	0.875	1.226	0.512
0.026	520.719	0.0175479	14.08	97.4	111.48	0.157	0.574	0.890	1.243	0.532
0.027	514.591	0.0172589	13.86	97.3	111.16	-0.010	0.578	0.910	1.245	0.551
0.028	508.897	0.016962	13.66	97.2	110.86	-0.169	0.556	0.932	1.266	0.569
0.029	504.054	0.0166595	13.51	97.1	110.61	-0.305	0.556	0.958	1.273	0.585
0.03	500.409	0.0163539	13.42	97	110.42	-0.409	0.535	0.987	1.296	0.601
0.031	498.214	0.0160478	13.40	96.9	110.30	-0.475	0.527	1.019	1.307	0.616
0.032	497.613	0.0157442	13.46	96.8	110.26	-0.502	0.509	1.053	1.333	0.630
0.033	498.646	0.0154465	13.60	96.7	110.30	-0.491	0.493	1.089	1.347	0.643
0.034	501.25	0.0151582	13.82	96.6	110.42	-0.448	0.479	1.127	1.373	0.654
0.035	505.279	0.0148833	14.10	96.5	110.60	-0.380	0.457	1.167	1.390	0.665
0.036	510.52	0.0146256	14.44	96.4	110.84	-0.295	0.446	1.209	1.417	0.674
0.037	516.709	0.0143895	14.82	96.3	111.12	-0.201	0.421	1.251	1.436	0.682
0.038	523.561	0.0141788	15.23	96.2	111.43	-0.106	0.413	1.294	1.463	0.690
0.039	530.776	0.0139977	15.64	96.1	111.74	-0.015	0.387	1.337	1.483	0.696
0.04	538.064	0.0138496	16.05	96	112.05	0.066	0.381	1.380	1.510	0.701
0.041	545.148	0.0137381	16.44	95.9	112.34	0.136	0.360	1.422	1.531	0.705
0.042	551.776	0.0136657	16.79	95.8	112.59	0.194	0.355	1.464	1.558	0.707
0.043	557.724	0.0136347	17.10	95.7	112.80	0.241	0.340	1.504	1.580	0.709
0.044	562.798	0.0136465	17.35	95.6	112.95	0.277	0.339	1.543	1.606	0.709
0.045	566.832	0.0137018	17.54	95.5	113.04	0.305	0.331	1.579	1.628	0.709
0.046	569.692	0.0138005	17.65	95.4	113.05	0.323	0.333	1.613	1.653	0.707
0.047	571.277	0.0139419	17.69	95.3	112.99	0.334	0.334	1.644	1.677	0.704
0.048	571.524	0.0141244	17.64	95.2	112.84	0.336	0.339	1.672	1.701	0.700
0.049	570.408	0.0143459	17.52	95.1	112.62	0.328	0.348	1.697	1.725	0.695
0.05	567.953	0.0146037	17.32	95	112.32	0.308	0.355	1.718	1.748	0.689
0.051	564.235	0.0148948	17.05	94.9	111.95	0.273	0.370	1.735	1.772	0.681
0.052	559.386	0.015216	16.71	94.8	111.51	0.223	0.378	1.747	1.795	0.673
0.053	553.597	0.0155638	16.32	94.7	111.02	0.156	0.398	1.755	1.819	0.663
0.054	547.111	0.0159347	15.88	94.6	110.48	0.074	0.407	1.758	1.840	0.653
0.055	540.218	0.0163254	15.42	94.5	109.92	-0.022	0.429	1.755	1.865	0.641
0.056	533.244	0.0167328	14.95	94.4	109.35	-0.126	0.438	1.747	1.885	0.628
0.057	526.531	0.0171541	14.49	94.3	108.79	-0.232	0.460	1.734	1.910	0.614
0.058	520.418	0.0175868	14.05	94.2	108.25	-0.332	0.471	1.715	1.930	0.599
0.059	515.219	0.0180288	13.66	94.1	107.76	-0.419	0.490	1.691	1.954	0.583
0.06	511.202	0.0184785	13.32	94	107.32	-0.484	0.503	1.660	1.973	0.566
0.061	508.567	0.0189347	13.05	93.9	106.95	-0.518	0.519	1.624	1.998	0.548
0.062	507.43	0.0193966	12.86	93.8	106.66	-0.517	0.534	1.581	2.016	0.529
0.063	507.808	0.0198637	12.74	93.7	106.44	-0.476	0.547	1.532	2.040	0.508
0.064	509.613	0.0203361	12.68	93.6	106.28	-0.397	0.564	1.478	2.057	0.487
0.065	512.651	0.0208137	12.69	93.5	106.19	-0.281	0.575	1.417	2.082	0.465
0.066	516.631	0.021297	12.75	93.4	106.15	-0.136	0.594	1.350	2.098	0.442
0.067	521.179	0.0217864	12.83	93.3	106.13	0.028	0.604	1.278	2.122	0.418
0.068	525.869	0.0222824	12.91	93.2	106.11	0.199	0.624	1.200	2.138	0.393
0.069	530.249	0.0227854	12.98	93.1	106.08	0.364	0.635	1.116	2.162	0.367
0.07	533.89	0.0232958	13.01	93	106.01	0.508	0.655	1.027	2.177	0.340

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0.071	536.416	0.023814	12.98	92.9	105.88	0.619	0.670	0.933	2.201	0.312
0.072	537.555	0.0243401	12.88	92.8	105.68	0.685	0.689	0.834	2.216	0.284
0.073	537.159	0.024874	12.70	92.7	105.40	0.698	0.708	0.730	2.239	0.254
0.074	535.231	0.0254157	12.44	92.6	105.04	0.654	0.726	0.622	2.253	0.224
0.075	531.926	0.0259648	12.11	92.5	104.61	0.554	0.749	0.510	2.276	0.193
0.076	527.542	0.0265209	11.73	92.4	104.13	0.403	0.767	0.393	2.290	0.161
0.077	522.497	0.0270834	11.30	92.3	103.60	0.210	0.794	0.274	2.312	0.128
0.078	517.288	0.0276517	10.87	92.2	103.07	-0.012	0.813	0.151	2.325	0.094
0.079	512.458	0.0282252	10.46	92.1	102.56	-0.246	0.842	0.026	2.347	0.060
0.08	508.544	0.0288031	10.09	92	102.09	-0.474	0.864	-0.102	2.360	0.025
0.081	506.037	0.0293847	9.79	91.9	101.69	-0.676	0.894	-0.231	2.381	-0.011
0.082	505.347	0.0299693	9.58	91.8	101.38	-0.836	0.919	-0.362	2.393	-0.047
0.083	506.768	0.0305563	9.48	91.7	101.18	-0.937	0.948	-0.494	2.413	-0.085
0.084	510.454	0.0311451	9.48	91.6	101.08	-0.967	0.976	-0.626	2.426	-0.122
0.085	516.401	0.0317348	9.60	91.5	101.10	-0.920	1.005	-0.759	2.445	-0.161
0.086	524.431	0.0323249	9.83	91.4	101.23	-0.795	1.036	-0.890	2.457	-0.200
0.087	534.196	0.0329147	10.14	91.3	101.44	-0.597	1.063	-1.022	2.476	-0.239
0.088	545.177	0.0335033	10.51	91.2	101.71	-0.339	1.097	-1.151	2.487	-0.280
0.089	556.709	0.0340899	10.91	91.1	102.01	-0.039	1.122	-1.279	2.505	-0.320
0.09	568.015	0.0346734	11.30	91	102.30	0.281	1.156	-1.404	2.516	-0.362
0.091	578.255	0.0352528	11.64	90.9	102.54	0.595	1.181	-1.527	2.533	-0.403
0.092	586.596	0.0358266	11.89	90.8	102.69	0.876	1.212	-1.646	2.543	-0.446
0.093	592.288	0.0363935	12.00	90.7	102.70	1.098	1.238	-1.761	2.559	-0.488
0.094	594.736	0.0369518	11.96	90.6	102.56	1.240	1.265	-1.872	2.570	-0.532
0.095	593.575	0.0374998	11.73	90.5	102.23	1.286	1.290	-1.978	2.584	-0.575
0.096	588.716	0.0380357	11.33	90.4	101.73	1.228	1.313	-2.079	2.594	-0.619
0.097	580.372	0.0385577	10.76	90.3	101.06	1.066	1.337	-2.174	2.608	-0.664
0.098	569.047	0.039064	10.04	90.2	100.24	0.811	1.355	-2.263	2.618	-0.708
0.099	555.497	0.0395528	9.21	90.1	99.31	0.480	1.377	-2.346	2.630	-0.753
0.1	540.666	0.0400223	8.33	90	98.33	0.099	1.391	-2.421	2.639	-0.799
0.101	525.594	0.040471	7.44	89.9	97.34	-0.299	1.409	-2.490	2.651	-0.844
0.102	511.337	0.0408974	6.60	89.8	96.40	-0.682	1.419	-2.550	2.660	-0.890
0.103	498.876	0.0413001	5.86	89.7	95.56	-1.015	1.433	-2.603	2.670	-0.936
0.104	489.048	0.0416778	5.25	89.6	94.85	-1.268	1.440	-2.647	2.678	-0.983
0.105	482.491	0.0420295	4.82	89.5	94.32	-1.417	1.449	-2.683	2.688	-1.029
0.106	479.605	0.0423539	4.58	89.4	93.98	-1.448	1.454	-2.710	2.695	-1.076
0.107	480.526	0.04265	4.54	89.3	93.84	-1.354	1.456	-2.729	2.703	-1.123
0.108	485.117	0.0429166	4.69	89.2	93.89	-1.143	1.460	-2.738	2.711	-1.170
0.109	492.962	0.0431524	5.01	89.1	94.11	-0.831	1.457	-2.737	2.717	-1.217
0.11	503.382	0.0433561	5.47	89	94.47	-0.446	1.459	-2.728	2.724	-1.264
0.111	515.474	0.0435263	6.02	88.9	94.92	-0.022	1.452	-2.709	2.730	-1.311
0.112	528.168	0.0436616	6.61	88.8	95.41	0.404	1.451	-2.680	2.736	-1.358
0.113	540.323	0.0437603	7.19	88.7	95.89	0.792	1.442	-2.642	2.740	-1.406
0.114	550.837	0.043821	7.70	88.6	96.30	1.107	1.437	-2.595	2.746	-1.453
0.115	558.772	0.0438422	8.09	88.5	96.59	1.320	1.427	-2.538	2.749	-1.500
0.116	563.462	0.0438225	8.33	88.4	96.73	1.413	1.418	-2.472	2.755	-1.548

Data Repository Item

0.117	564.591	0.0437609	8.41	88.3	96.71	1.377	1.408	-2.397	2.757	-1.595
0.118	562.229	0.0436567	8.32	88.2	96.52	1.218	1.396	-2.314	2.761	-1.642
0.119	556.809	0.0435094	8.09	88.1	96.19	0.952	1.385	-2.222	2.762	-1.689
0.12	549.063	0.0433192	7.76	88	95.76	0.605	1.370	-2.121	2.766	-1.736
0.121	539.92	0.0430865	7.38	87.9	95.28	0.210	1.360	-2.013	2.766	-1.782
0.122	530.396	0.0428123	6.98	87.8	94.78	-0.195	1.343	-1.897	2.770	-1.829
0.123	521.482	0.0424981	6.63	87.7	94.33	-0.573	1.332	-1.774	2.769	-1.875
0.124	514.056	0.0421457	6.36	87.6	93.96	-0.892	1.314	-1.645	2.772	-1.922
0.125	508.813	0.0417571	6.22	87.5	93.72	-1.124	1.301	-1.509	2.770	-1.967
0.126	506.225	0.0413346	6.22	87.4	93.62	-1.251	1.285	-1.367	2.773	-2.013
0.127	506.526	0.0408808	6.37	87.3	93.67	-1.265	1.269	-1.220	2.770	-2.059
0.128	509.702	0.0403981	6.67	87.2	93.87	-1.170	1.253	-1.068	2.772	-2.104
0.129	515.508	0.0398892	7.11	87.1	94.21	-0.978	1.235	-0.913	2.769	-2.149
0.13	523.489	0.0393565	7.67	87	94.67	-0.708	1.220	-0.754	2.770	-2.193
0.131	533.013	0.0388026	8.31	86.9	95.21	-0.388	1.200	-0.591	2.766	-2.238
0.132	543.32	0.0382298	9.00	86.8	95.80	-0.047	1.184	-0.427	2.767	-2.281
0.133	553.572	0.0376404	9.69	86.7	96.39	0.286	1.163	-0.261	2.763	-2.325
0.134	562.928	0.0370369	10.34	86.6	96.94	0.582	1.146	-0.094	2.763	-2.368
0.135	570.612	0.0364217	10.91	86.5	97.41	0.820	1.123	0.073	2.759	-2.411
0.136	575.98	0.0357975	11.36	86.4	97.76	0.982	1.104	0.241	2.759	-2.453
0.137	578.578	0.035167	11.68	86.3	97.98	1.061	1.081	0.407	2.754	-2.495
0.138	578.181	0.0345334	11.85	86.2	98.05	1.055	1.058	0.571	2.753	-2.537
0.139	574.807	0.0339001	11.88	86.1	97.98	0.970	1.035	0.733	2.748	-2.578
0.14	568.705	0.0332711	11.76	86	97.76	0.818	1.009	0.892	2.748	-2.618
0.141	560.325	0.0326506	11.53	85.9	97.43	0.617	0.986	1.048	2.742	-2.658
0.142	550.263	0.0320432	11.21	85.8	97.01	0.384	0.958	1.200	2.742	-2.698
0.143	539.204	0.0314538	10.83	85.7	96.53	0.140	0.934	1.346	2.736	-2.737
0.144	527.861	0.0308877	10.43	85.6	96.03	-0.097	0.905	1.488	2.735	-2.776
0.145	516.92	0.0303503	10.05	85.5	95.55	-0.310	0.881	1.623	2.730	-2.814
0.146	506.995	0.029847	9.70	85.4	95.10	-0.489	0.852	1.753	2.729	-2.851
0.147	498.595	0.0293833	9.42	85.3	94.72	-0.624	0.828	1.875	2.724	-2.888
0.148	492.114	0.0289641	9.22	85.2	94.42	-0.714	0.802	1.990	2.723	-2.924
0.149	487.817	0.0285945	9.12	85.1	94.22	-0.758	0.780	2.097	2.719	-2.960
0.15	485.847	0.0282786	9.11	85	94.11	-0.759	0.759	2.196	2.717	-2.995
0.151	486.229	0.0280202	9.21	84.9	94.11	-0.722	0.740	2.286	2.714	-3.030
0.152	488.887	0.0278221	9.40	84.8	94.20	-0.653	0.725	2.367	2.712	-3.064
0.153	493.651	0.0276864	9.68	84.7	94.38	-0.559	0.711	2.439	2.709	-3.097
0.154	500.268	0.0276144	10.03	84.6	94.63	-0.444	0.703	2.502	2.708	-3.129
0.155	508.418	0.0276061	10.44	84.5	94.94	-0.313	0.695	2.555	2.705	-3.161
0.156	517.717	0.0276609	10.89	84.4	95.29	-0.171	0.695	2.599	2.704	-3.193
0.157	527.734	0.0277777	11.36	84.3	95.66	-0.022	0.694	2.632	2.702	-3.223
0.158	537.998	0.0279519	11.82	84.2	96.02	0.131	0.700	2.656	2.702	-3.253
0.159	548.015	0.0281822	12.25	84.1	96.35	0.282	0.706	2.669	2.701	-3.282
0.16	557.286	0.0284641	12.63	84	96.63	0.426	0.718	2.673	2.700	-3.311
0.161	565.329	0.0287931	12.93	83.9	96.83	0.555	0.729	2.666	2.700	-3.339
0.162	571.703	0.0291644	13.14	83.8	96.94	0.663	0.745	2.649	2.700	-3.366

Data Repository Item

0.163	576.042	0.029573	13.24	83.7	96.94	0.740	0.761	2.623	2.700	-3.392
0.164	578.079	0.030014	13.20	83.6	96.80	0.780	0.780	2.587	2.701	-3.418
0.165	577.676	0.0304826	13.04	83.5	96.54	0.776	0.800	2.541	2.702	-3.443
0.166	574.845	0.0309742	12.75	83.4	96.15	0.723	0.819	2.486	2.703	-3.467
0.167	569.754	0.0314846	12.35	83.3	95.65	0.619	0.842	2.422	2.705	-3.490
0.168	562.727	0.03201	11.84	83.2	95.04	0.467	0.862	2.349	2.707	-3.513
0.169	554.226	0.0325471	11.25	83.1	94.35	0.273	0.886	2.268	2.710	-3.535
0.17	544.824	0.0330932	10.62	83	93.62	0.047	0.907	2.179	2.712	-3.556
0.171	535.161	0.0336459	9.97	82.9	92.87	-0.197	0.932	2.081	2.716	-3.577
0.172	525.905	0.0342032	9.34	82.8	92.14	-0.440	0.953	1.977	2.718	-3.596
0.173	517.697	0.0347636	8.76	82.7	91.46	-0.666	0.978	1.865	2.724	-3.615
0.174	511.114	0.0353255	8.26	82.6	90.86	-0.853	1.000	1.747	2.727	-3.633
0.175	506.621	0.0358879	7.87	82.5	90.37	-0.985	1.024	1.622	2.733	-3.650
0.176	504.543	0.0364495	7.60	82.4	90.00	-1.047	1.048	1.492	2.736	-3.667
0.177	505.039	0.0370092	7.45	82.3	89.75	-1.029	1.071	1.357	2.743	-3.682
0.178	508.079	0.0375659	7.44	82.2	89.64	-0.927	1.096	1.216	2.747	-3.697
0.179	513.439	0.0381182	7.54	82.1	89.64	-0.744	1.118	1.072	2.755	-3.711
0.18	520.699	0.0386649	7.74	82	89.74	-0.492	1.144	0.923	2.760	-3.725
0.181	529.256	0.0392047	8.01	81.9	89.91	-0.187	1.166	0.771	2.769	-3.737
0.182	538.361	0.039736	8.30	81.8	90.10	0.147	1.192	0.616	2.774	-3.749
0.183	547.162	0.0402575	8.59	81.7	90.29	0.484	1.214	0.459	2.784	-3.760
0.184	554.781	0.0407679	8.81	81.6	90.41	0.794	1.239	0.300	2.790	-3.770
0.185	560.392	0.0412661	8.94	81.5	90.44	1.050	1.262	0.139	2.800	-3.779
0.186	563.311	0.0417509	8.95	81.4	90.35	1.228	1.286	-0.023	2.807	-3.788
0.187	563.079	0.0422216	8.79	81.3	90.09	1.310	1.310	-0.185	2.817	-3.795
0.188	559.526	0.0426776	8.48	81.2	89.68	1.285	1.333	-0.347	2.825	-3.802
0.189	552.799	0.0431188	8.01	81.1	89.11	1.153	1.357	-0.509	2.836	-3.808
0.19	543.359	0.0435451	7.41	81	88.41	0.920	1.379	-0.670	2.844	-3.814
0.191	531.938	0.0439567	6.71	80.9	87.61	0.603	1.403	-0.829	2.856	-3.818
0.192	519.467	0.044354	5.97	80.8	86.77	0.227	1.424	-0.986	2.865	-3.822
0.193	506.986	0.0447376	5.23	80.7	85.93	-0.178	1.448	-1.141	2.877	-3.824
0.194	495.544	0.0451083	4.55	80.6	85.15	-0.581	1.467	-1.294	2.886	-3.827
0.195	486.117	0.0454665	3.97	80.5	84.47	-0.947	1.490	-1.443	2.899	-3.828
0.196	479.534	0.045813	3.54	80.4	83.94	-1.246	1.509	-1.588	2.908	-3.828
0.197	476.423	0.0461482	3.28	80.3	83.58	-1.452	1.529	-1.730	2.921	-3.828
0.198	477.181	0.0464724	3.22	80.2	83.42	-1.547	1.548	-1.867	2.932	-3.827
0.199	481.949	0.0467856	3.37	80.1	83.47	-1.519	1.566	-1.999	2.945	-3.825
0.2	490.605	0.0470877	3.71	80	83.71	-1.368	1.584	-2.125	2.956	-3.822
0.201	502.753	0.0473782	4.23	79.9	84.13	-1.106	1.598	-2.247	2.969	-3.819
0.202	517.739	0.0476564	4.90	79.8	84.70	-0.749	1.615	-2.362	2.980	-3.815
0.203	534.665	0.0479214	5.66	79.7	85.36	-0.326	1.627	-2.470	2.993	-3.809
0.204	552.438	0.0481722	6.48	79.6	86.08	0.130	1.640	-2.573	3.005	-3.804
0.205	569.837	0.0484078	7.27	79.5	86.77	0.582	1.649	-2.667	3.018	-3.797
0.206	585.609	0.0486269	8.00	79.4	87.40	0.993	1.660	-2.755	3.030	-3.790
0.207	598.571	0.0488284	8.59	79.3	87.89	1.330	1.666	-2.835	3.043	-3.782
0.208	607.732	0.0490113	8.99	79.2	88.19	1.562	1.672	-2.907	3.055	-3.773

Data Repository Item

0.209	612.392	0.0491748	9.17	79.1	88.27	1.671	1.676	-2.971	3.068	-3.763
0.21	612.213	0.049318	9.12	79	88.12	1.645	1.678	-3.026	3.080	-3.753
0.211	607.26	0.0494404	8.84	78.9	87.74	1.486	1.678	-3.072	3.093	-3.742
0.212	597.993	0.0495416	8.34	78.8	87.14	1.206	1.676	-3.110	3.105	-3.730
0.213	585.21	0.049621	7.68	78.7	86.38	0.828	1.674	-3.138	3.117	-3.717
0.214	569.964	0.0496783	6.90	78.6	85.50	0.383	1.668	-3.157	3.129	-3.704
0.215	553.458	0.0497131	6.06	78.5	84.56	-0.091	1.663	-3.166	3.141	-3.690
0.216	536.93	0.0497249	5.23	78.4	83.63	-0.556	1.654	-3.166	3.153	-3.675
0.217	521.55	0.0497129	4.47	78.3	82.77	-0.971	1.647	-3.156	3.164	-3.660
0.218	508.339	0.0496762	3.82	78.2	82.02	-1.302	1.635	-3.136	3.176	-3.644
0.219	498.102	0.0496136	3.33	78.1	81.43	-1.521	1.625	-3.106	3.186	-3.627
0.22	491.395	0.0495237	3.02	78	81.02	-1.609	1.613	-3.066	3.198	-3.610
0.221	488.497	0.0494048	2.91	77.9	80.81	-1.560	1.601	-3.017	3.207	-3.591
0.222	489.409	0.049255	3.00	77.8	80.80	-1.377	1.589	-2.957	3.218	-3.572
0.223	493.846	0.0490725	3.28	77.7	80.98	-1.078	1.574	-2.888	3.227	-3.553
0.224	501.256	0.0488552	3.71	77.6	81.31	-0.688	1.562	-2.809	3.237	-3.533
0.225	510.842	0.0486015	4.27	77.5	81.77	-0.244	1.546	-2.721	3.245	-3.512
0.226	521.606	0.0483097	4.89	77.4	82.29	0.216	1.534	-2.623	3.255	-3.490
0.227	532.431	0.0479786	5.53	77.3	82.83	0.650	1.518	-2.516	3.262	-3.468
0.228	542.175	0.0476074	6.13	77.2	83.33	1.018	1.505	-2.401	3.270	-3.445
0.229	549.796	0.0471957	6.64	77.1	83.74	1.289	1.489	-2.277	3.276	-3.422
0.23	554.47	0.0467438	7.01	77	84.01	1.439	1.475	-2.144	3.284	-3.397
0.231	555.703	0.0462521	7.21	76.9	84.11	1.456	1.460	-2.004	3.289	-3.373
0.232	553.39	0.0457218	7.26	76.8	84.06	1.340	1.444	-1.857	3.295	-3.347
0.233	547.828	0.0451541	7.15	76.7	83.85	1.105	1.429	-1.703	3.299	-3.321
0.234	539.673	0.0445509	6.92	76.6	83.52	0.775	1.412	-1.542	3.304	-3.294
0.235	529.846	0.0439136	6.62	76.5	83.12	0.383	1.397	-1.375	3.307	-3.267
0.236	519.413	0.0432443	6.30	76.4	82.70	-0.033	1.377	-1.203	3.311	-3.239
0.237	509.458	0.0425445	6.01	76.3	82.31	-0.434	1.360	-1.026	3.312	-3.211
0.238	500.969	0.0418157	5.81	76.2	82.01	-0.784	1.339	-0.845	3.316	-3.182
0.239	494.758	0.0410594	5.73	76.1	81.83	-1.052	1.320	-0.660	3.315	-3.152
0.24	491.401	0.0402767	5.79	76	81.79	-1.218	1.297	-0.472	3.318	-3.122
0.241	491.218	0.0394686	6.03	75.9	81.93	-1.271	1.274	-0.283	3.316	-3.091
0.242	494.263	0.0386361	6.43	75.8	82.23	-1.212	1.249	-0.092	3.317	-3.060
0.243	500.344	0.0377803	6.99	75.7	82.69	-1.052	1.222	0.100	3.314	-3.028
0.244	509.043	0.0369024	7.69	75.6	83.29	-0.811	1.195	0.292	3.313	-2.996
0.245	519.756	0.0360039	8.49	75.5	83.99	-0.514	1.164	0.483	3.309	-2.963
0.246	531.736	0.0350867	9.37	75.4	84.77	-0.192	1.134	0.672	3.307	-2.929
0.247	544.158	0.0341534	10.27	75.3	85.57	0.126	1.100	0.859	3.302	-2.895
0.248	556.175	0.0332071	11.15	75.2	86.35	0.413	1.067	1.043	3.299	-2.860
0.249	566.992	0.0322516	11.98	75.1	87.08	0.647	1.029	1.223	3.292	-2.825
0.25	575.929	0.0312914	12.71	75	87.71	0.811	0.992	1.399	3.288	-2.790
0.251	582.471	0.0303315	13.33	74.9	88.23	0.899	0.953	1.569	3.280	-2.754
0.252	586.307	0.0293777	13.81	74.8	88.61	0.911	0.912	1.733	3.274	-2.717
0.253	587.335	0.0284362	14.14	74.7	88.84	0.853	0.871	1.891	3.266	-2.680
0.254	585.659	0.0275135	14.33	74.6	88.93	0.738	0.828	2.041	3.259	-2.642

Data Repository Item

0.255	581.556	0.0266164	14.40	74.5	88.90	0.583	0.785	2.183	3.249	-2.604
0.256	575.434	0.0257521	14.35	74.4	88.75	0.406	0.740	2.316	3.241	-2.565
0.257	567.78	0.0249277	14.22	74.3	88.52	0.224	0.697	2.440	3.230	-2.526
0.258	559.115	0.0241504	14.02	74.2	88.22	0.053	0.652	2.554	3.221	-2.486
0.259	549.949	0.0234273	13.77	74.1	87.87	-0.095	0.610	2.658	3.210	-2.446
0.26	540.745	0.0227652	13.51	74	87.51	-0.214	0.567	2.751	3.200	-2.406
0.261	531.902	0.0221708	13.25	73.9	87.15	-0.301	0.529	2.833	3.188	-2.365
0.262	523.745	0.0216502	13.00	73.8	86.80	-0.358	0.491	2.904	3.177	-2.323
0.263	516.519	0.0212089	12.77	73.7	86.47	-0.388	0.459	2.963	3.164	-2.281
0.264	510.406	0.0208514	12.57	73.6	86.17	-0.400	0.430	3.009	3.152	-2.239
0.265	505.53	0.0205812	12.41	73.5	85.91	-0.399	0.408	3.044	3.140	-2.196
0.266	501.97	0.0204003	12.28	73.4	85.68	-0.392	0.393	3.066	3.127	-2.153
0.267	499.774	0.0203094	12.20	73.3	85.50	-0.382	0.385	3.076	3.114	-2.109
0.268	498.962	0.0203071	12.16	73.2	85.36	-0.371	0.385	3.073	3.101	-2.065
0.269	499.532	0.0203907	12.16	73.1	85.26	-0.356	0.392	3.058	3.088	-2.021
0.27	501.453	0.0205559	12.21	73	85.21	-0.334	0.406	3.030	3.075	-1.976
0.271	504.655	0.0207968	12.30	72.9	85.20	-0.299	0.423	2.990	3.062	-1.930
0.272	509.025	0.0211067	12.42	72.8	85.22	-0.246	0.447	2.939	3.048	-1.885
0.273	514.387	0.0214784	12.58	72.7	85.28	-0.171	0.472	2.875	3.035	-1.838
0.274	520.499	0.021904	12.76	72.6	85.36	-0.072	0.501	2.800	3.021	-1.792
0.275	527.046	0.0223759	12.94	72.5	85.44	0.049	0.529	2.714	3.009	-1.745
0.276	533.65	0.0228868	13.12	72.4	85.52	0.186	0.560	2.618	2.995	-1.697
0.277	539.889	0.0234297	13.27	72.3	85.57	0.329	0.589	2.511	2.983	-1.650
0.278	545.322	0.0239982	13.37	72.2	85.57	0.467	0.620	2.394	2.970	-1.602
0.279	549.531	0.0245865	13.41	72.1	85.51	0.585	0.650	2.268	2.958	-1.553
0.28	552.164	0.0251895	13.36	72	85.36	0.669	0.680	2.134	2.945	-1.504
0.281	552.981	0.0258024	13.21	71.9	85.11	0.707	0.709	1.992	2.934	-1.455
0.282	551.888	0.0264211	12.97	71.8	84.77	0.687	0.738	1.842	2.922	-1.406
0.283	548.963	0.0270416	12.64	71.7	84.34	0.607	0.768	1.685	2.912	-1.356
0.284	544.455	0.0276601	12.23	71.6	83.83	0.468	0.795	1.523	2.900	-1.305
0.285	538.772	0.0282733	11.76	71.5	83.26	0.277	0.824	1.355	2.891	-1.255
0.286	532.447	0.0288778	11.26	71.4	82.66	0.046	0.850	1.183	2.880	-1.204
0.287	526.091	0.0294703	10.77	71.3	82.07	-0.204	0.879	1.006	2.871	-1.153
0.288	520.332	0.0300478	10.31	71.2	81.51	-0.454	0.904	0.827	2.861	-1.101
0.289	515.767	0.0306071	9.91	71.1	81.01	-0.679	0.932	0.645	2.854	-1.049
0.29	512.904	0.0311457	9.61	71	80.61	-0.857	0.957	0.462	2.844	-0.997
0.291	512.123	0.031661	9.41	70.9	80.31	-0.969	0.983	0.277	2.838	-0.944
0.292	513.638	0.0321507	9.34	70.8	80.14	-1.001	1.009	0.093	2.829	-0.892
0.293	517.476	0.0326132	9.39	70.7	80.09	-0.945	1.034	-0.091	2.824	-0.838
0.294	523.464	0.0330469	9.56	70.6	80.16	-0.802	1.059	-0.274	2.816	-0.785
0.295	531.233	0.0334511	9.83	70.5	80.33	-0.581	1.082	-0.455	2.812	-0.731
0.296	540.227	0.0338251	10.17	70.4	80.57	-0.299	1.107	-0.633	2.806	-0.677
0.297	549.739	0.034169	10.54	70.3	80.84	0.022	1.128	-0.807	2.802	-0.623
0.298	558.958	0.0344831	10.91	70.2	81.11	0.354	1.152	-0.978	2.797	-0.569
0.299	567.034	0.0347681	11.23	70.1	81.33	0.667	1.172	-1.144	2.795	-0.514
0.3	573.157	0.0350249	11.46	70	81.46	0.932	1.193	-1.305	2.790	-0.459

Data Repository Item

0.301	576.641	0.0352545	11.56	69.9	81.46	1.124	1.211	-1.460	2.789	-0.404
0.302	577.001	0.0354582	11.52	69.8	81.32	1.225	1.229	-1.609	2.786	-0.349
0.303	574.017	0.0356371	11.31	69.7	81.01	1.221	1.246	-1.751	2.785	-0.293
0.304	567.765	0.0357921	10.96	69.6	80.56	1.112	1.261	-1.886	2.783	-0.237
0.305	558.621	0.0359242	10.46	69.5	79.96	0.905	1.275	-2.013	2.783	-0.181
0.306	547.227	0.036034	9.86	69.4	79.26	0.617	1.286	-2.132	2.782	-0.125
0.307	534.433	0.036122	9.19	69.3	78.49	0.270	1.298	-2.243	2.782	-0.069
0.308	521.208	0.0361884	8.51	69.2	77.71	-0.104	1.305	-2.345	2.782	-0.012
0.309	508.555	0.0362334	7.86	69.1	76.96	-0.473	1.314	-2.437	2.783	0.044
0.31	497.423	0.0362569	7.30	69	76.30	-0.806	1.318	-2.520	2.784	0.101
0.311	488.633	0.0362587	6.86	68.9	75.76	-1.073	1.323	-2.594	2.786	0.158
0.312	482.82	0.0362389	6.57	68.8	75.37	-1.250	1.324	-2.658	2.787	0.215
0.313	480.399	0.0361973	6.47	68.7	75.17	-1.323	1.324	-2.711	2.789	0.272
0.314	481.536	0.0361341	6.54	68.6	75.14	-1.283	1.323	-2.755	2.791	0.329
0.315	486.145	0.0360493	6.80	68.5	75.30	-1.136	1.319	-2.788	2.793	0.387
0.316	493.889	0.0359434	7.22	68.4	75.62	-0.894	1.315	-2.811	2.795	0.444
0.317	504.196	0.0358168	7.77	68.3	76.07	-0.577	1.308	-2.824	2.798	0.502
0.318	516.294	0.0356701	8.42	68.2	76.62	-0.214	1.301	-2.826	2.800	0.559
0.319	529.262	0.0355041	9.12	68.1	77.22	0.163	1.291	-2.819	2.803	0.617
0.32	542.106	0.0353194	9.81	68	77.81	0.521	1.281	-2.801	2.806	0.675
0.321	553.841	0.0351169	10.46	67.9	78.36	0.830	1.268	-2.773	2.808	0.732
0.322	563.587	0.0348972	11.02	67.8	78.82	1.062	1.256	-2.735	2.811	0.790
0.323	570.655	0.0346607	11.44	67.7	79.14	1.198	1.242	-2.687	2.813	0.847
0.324	574.613	0.0344078	11.71	67.6	79.31	1.227	1.227	-2.630	2.816	0.905
0.325	575.328	0.0341387	11.83	67.5	79.33	1.149	1.212	-2.563	2.818	0.963
0.326	572.964	0.0338531	11.80	67.4	79.20	0.971	1.195	-2.488	2.821	1.020
0.327	567.956	0.0335507	11.64	67.3	78.94	0.711	1.180	-2.403	2.822	1.078
0.328	560.947	0.0332312	11.38	67.2	78.58	0.394	1.162	-2.311	2.824	1.135
0.329	552.714	0.0328937	11.07	67.1	78.17	0.049	1.147	-2.210	2.825	1.192
0.33	544.088	0.0325376	10.75	67	77.75	-0.292	1.129	-2.101	2.827	1.249
0.331	535.866	0.032162	10.45	66.9	77.35	-0.597	1.114	-1.985	2.826	1.306
0.332	528.756	0.0317662	10.21	66.8	77.01	-0.841	1.097	-1.862	2.828	1.363
0.333	523.316	0.0313495	10.07	66.7	76.77	-1.001	1.082	-1.733	2.826	1.420
0.334	519.923	0.0309115	10.03	66.6	76.63	-1.063	1.067	-1.598	2.827	1.477
0.335	518.752	0.0304516	10.11	66.5	76.61	-1.025	1.053	-1.458	2.825	1.533
0.336	519.769	0.0299698	10.30	66.4	76.70	-0.890	1.040	-1.312	2.824	1.589
0.337	522.74	0.0294661	10.60	66.3	76.90	-0.673	1.027	-1.163	2.821	1.645
0.338	527.244	0.0289407	10.98	66.2	77.18	-0.396	1.017	-1.009	2.819	1.701
0.339	532.711	0.0283939	11.42	66.1	77.52	-0.086	1.005	-0.853	2.814	1.756
0.34	538.467	0.0278263	11.88	66	77.88	0.227	0.996	-0.694	2.811	1.811
0.341	543.793	0.0272385	12.32	65.9	78.22	0.512	0.986	-0.533	2.805	1.866
0.342	547.997	0.0266309	12.72	65.8	78.52	0.743	0.978	-0.370	2.800	1.921
0.343	550.493	0.0260043	13.03	65.7	78.73	0.896	0.969	-0.208	2.793	1.975
0.344	550.865	0.0253589	13.24	65.6	78.84	0.959	0.961	-0.045	2.786	2.029
0.345	548.925	0.0246951	13.34	65.5	78.84	0.926	0.953	0.117	2.777	2.083
0.346	544.741	0.0240132	13.34	65.4	78.74	0.802	0.945	0.278	2.769	2.136

Data Repository Item

0.347	538.628	0.0233132	13.24	65.3	78.54	0.601	0.937	0.437	2.758	2.189
0.348	531.121	0.0225951	13.08	65.2	78.28	0.344	0.927	0.593	2.748	2.241
0.349	522.901	0.0218587	12.89	65.1	77.99	0.058	0.918	0.745	2.735	2.293
0.35	514.728	0.021104	12.71	65	77.71	-0.226	0.905	0.894	2.723	2.344
0.351	507.346	0.0203312	12.57	64.9	77.47	-0.481	0.894	1.037	2.708	2.395
0.352	501.415	0.0195403	12.51	64.8	77.31	-0.680	0.879	1.176	2.694	2.446
0.353	497.442	0.018732	12.56	64.7	77.26	-0.805	0.864	1.308	2.677	2.496
0.354	495.746	0.0179073	12.72	64.6	77.32	-0.845	0.847	1.434	2.661	2.546
0.355	496.432	0.0170676	13.01	64.5	77.51	-0.799	0.828	1.552	2.641	2.595
0.356	499.396	0.0162148	13.41	64.4	77.81	-0.675	0.808	1.663	2.623	2.643
0.357	504.338	0.0153513	13.92	64.3	78.22	-0.488	0.785	1.766	2.601	2.691
0.358	510.803	0.0144803	14.50	64.2	78.70	-0.260	0.763	1.860	2.580	2.738
0.359	518.221	0.0136052	15.13	64.1	79.23	-0.019	0.737	1.945	2.557	2.785
0.36	525.974	0.0127299	15.78	64	79.78	0.210	0.712	2.021	2.533	2.831
0.361	533.454	0.0118587	16.42	63.9	80.32	0.402	0.683	2.086	2.507	2.877
0.362	540.129	0.0109963	17.01	63.8	80.81	0.537	0.656	2.142	2.481	2.922
0.363	545.596	0.0101478	17.54	63.7	81.24	0.604	0.627	2.187	2.453	2.966
0.364	549.612	0.00931853	17.99	63.6	81.59	0.598	0.599	2.221	2.425	3.009
0.365	552.115	0.0085148	18.36	63.5	81.86	0.523	0.571	2.245	2.394	3.052
0.366	553.212	0.00774391	18.64	63.4	82.04	0.392	0.543	2.257	2.364	3.094
0.367	553.151	0.00701498	18.86	63.3	82.16	0.223	0.518	2.259	2.331	3.135
0.368	552.278	0.00633991	19.02	63.2	82.22	0.039	0.493	2.250	2.298	3.176
0.369	550.98	0.00573454	19.13	63.1	82.23	-0.138	0.473	2.230	2.263	3.216
0.37	549.635	0.0052197	19.22	63	82.22	-0.286	0.454	2.200	2.227	3.255
0.371	548.561	0.004821	19.29	62.9	82.19	-0.386	0.440	2.159	2.191	3.293
0.372	547.977	0.00456573	19.33	62.8	82.13	-0.427	0.430	2.108	2.153	3.330
0.373	547.98	0.00447544	19.36	62.7	82.06	-0.405	0.424	2.048	2.114	3.367
0.374	548.533	0.00455687	19.36	62.6	81.96	-0.325	0.423	1.978	2.074	3.403
0.375	549.475	0.00479783	19.34	62.5	81.84	-0.197	0.425	1.898	2.034	3.438
0.376	550.54	0.00517183	19.28	62.4	81.68	-0.039	0.433	1.811	1.992	3.472
0.377	551.393	0.00564725	19.18	62.3	81.48	0.129	0.441	1.716	1.950	3.505
0.378	551.681	0.00619438	19.03	62.2	81.23	0.284	0.455	1.613	1.907	3.537
0.379	551.076	0.00678839	18.82	62.1	80.92	0.406	0.469	1.504	1.864	3.569
0.38	549.334	0.00740961	18.55	62	80.55	0.479	0.484	1.389	1.819	3.599
0.381	546.328	0.00804269	18.21	61.9	80.11	0.491	0.501	1.269	1.775	3.629
0.382	542.085	0.00867566	17.81	61.8	79.61	0.440	0.516	1.144	1.729	3.657
0.383	536.784	0.00929928	17.35	61.7	79.05	0.331	0.533	1.016	1.684	3.685
0.384	530.746	0.00990642	16.87	61.6	78.47	0.176	0.547	0.885	1.638	3.712
0.385	524.404	0.0104918	16.38	61.5	77.88	-0.007	0.562	0.752	1.593	3.737
0.386	518.248	0.0110515	15.90	61.4	77.30	-0.197	0.573	0.618	1.547	3.762
0.387	512.774	0.0115832	15.47	61.3	76.77	-0.370	0.585	0.484	1.502	3.786
0.388	508.429	0.0120854	15.10	61.2	76.30	-0.506	0.594	0.351	1.456	3.809
0.389	505.558	0.0125576	14.82	61.1	75.92	-0.587	0.602	0.220	1.413	3.831
0.39	504.369	0.0129998	14.62	61	75.62	-0.604	0.609	0.091	1.369	3.852
0.391	504.907	0.0134126	14.53	60.9	75.43	-0.553	0.613	-0.035	1.327	3.871
0.392	507.051	0.0137966	14.52	60.8	75.32	-0.438	0.617	-0.156	1.285	3.890

Data Repository Item

0.393	510.52	0.0141523	14.59	60.7	75.29	-0.273	0.618	-0.272	1.246	3.908
0.394	514.905	0.014448	14.71	60.6	75.31	-0.076	0.621	-0.383	1.208	3.925
0.395	519.709	0.0147797	14.86	60.5	75.36	0.131	0.620	-0.487	1.173	3.940
0.396	524.405	0.0150508	15.01	60.4	75.41	0.324	0.622	-0.583	1.139	3.955
0.397	528.501	0.0152927	15.14	60.3	75.44	0.481	0.621	-0.672	1.109	3.969
0.398	531.594	0.015504	15.23	60.2	75.43	0.584	0.621	-0.752	1.081	3.981
0.399	533.424	0.0156834	15.27	60.1	75.37	0.621	0.621	-0.823	1.059	3.993
0.4	533.907	0.0158295	15.25	60	75.25	0.588	0.621	-0.884	1.038	4.003
0.401	533.138	0.0159409	15.18	59.9	75.08	0.488	0.623	-0.935	1.023	4.012
0.402	531.378	0.0160167	15.07	59.8	74.87	0.333	0.623	-0.976	1.011	4.021
0.403	529.016	0.0160563	14.94	59.7	74.64	0.140	0.626	-1.006	1.005	4.028
0.404	526.513	0.0160596	14.81	59.6	74.41	-0.070	0.628	-1.025	1.003	4.034
0.405	524.351	0.0160271	14.71	59.5	74.21	-0.273	0.632	-1.033	1.006	4.039
0.406	522.971	0.0159598	14.67	59.4	74.07	-0.446	0.634	-1.030	1.014	4.044
0.407	522.725	0.0158592	14.68	59.3	73.98	-0.572	0.638	-1.015	1.026	4.047
0.408	523.842	0.0157273	14.78	59.2	73.98	-0.636	0.642	-0.989	1.043	4.049
0.409	526.402	0.0155662	14.96	59.1	74.06	-0.632	0.645	-0.953	1.063	4.049
0.41	530.329	0.0153782	15.21	59	74.21	-0.560	0.648	-0.905	1.088	4.049
0.411	535.397	0.0151655	15.53	58.9	74.43	-0.428	0.650	-0.847	1.116	4.048
0.412	541.248	0.0149301	15.89	58.8	74.69	-0.252	0.653	-0.779	1.148	4.046
0.413	547.425	0.0146737	16.27	58.7	74.97	-0.050	0.652	-0.701	1.182	4.043
0.414	553.414	0.0143979	16.66	58.6	75.26	0.157	0.653	-0.614	1.220	4.038
0.415	558.694	0.0141036	17.01	58.5	75.51	0.346	0.651	-0.518	1.258	4.033
0.416	562.79	0.0137915	17.31	58.4	75.71	0.498	0.649	-0.414	1.301	4.026
0.417	565.323	0.0134624	17.53	58.3	75.83	0.599	0.644	-0.302	1.343	4.019
0.418	566.049	0.0131165	17.67	58.2	75.87	0.637	0.638	-0.184	1.388	4.011
0.419	564.886	0.0127544	17.72	58.1	75.82	0.612	0.631	-0.060	1.432	4.001
0.42	561.922	0.0123768	17.69	58	75.69	0.526	0.621	0.070	1.480	3.991
0.421	557.397	0.0119848	17.58	57.9	75.48	0.390	0.611	0.203	1.526	3.979
0.422	551.683	0.0115799	17.42	57.8	75.22	0.221	0.598	0.340	1.575	3.967
0.423	545.235	0.0111643	17.22	57.7	74.92	0.035	0.586	0.480	1.622	3.953
0.424	538.545	0.0107407	17.01	57.6	74.61	-0.146	0.569	0.621	1.672	3.939
0.425	532.092	0.0103125	16.82	57.5	74.32	-0.303	0.554	0.763	1.719	3.924
0.426	526.297	0.00988402	16.65	57.4	74.05	-0.421	0.536	0.905	1.769	3.907
0.427	521.487	0.00945984	16.54	57.3	73.84	-0.488	0.518	1.046	1.816	3.890
0.428	517.869	0.00904533	16.48	57.2	73.68	-0.499	0.500	1.184	1.865	3.872
0.429	515.523	0.0086463	16.49	57.1	73.59	-0.455	0.481	1.320	1.913	3.853
0.43	514.397	0.00826895	16.54	57	73.54	-0.362	0.463	1.451	1.961	3.832
0.431	514.326	0.00791981	16.65	56.9	73.55	-0.232	0.445	1.578	2.007	3.812
0.432	515.056	0.00760556	16.78	56.8	73.58	-0.083	0.430	1.699	2.054	3.790
0.433	516.277	0.00733293	16.92	56.7	73.62	0.070	0.414	1.814	2.100	3.767
0.434	517.664	0.00710845	17.06	56.6	73.66	0.207	0.403	1.921	2.146	3.743
0.435	518.923	0.00693825	17.17	56.5	73.67	0.313	0.394	2.020	2.190	3.719
0.436	519.821	0.00682773	17.25	56.4	73.65	0.375	0.389	2.111	2.234	3.694
0.437	520.226	0.00678123	17.28	56.3	73.58	0.386	0.388	2.192	2.277	3.667
0.438	520.115	0.00680171	17.27	56.2	73.47	0.345	0.390	2.263	2.319	3.641

Data Repository Item

0.439	519.58	0.00689057	17.22	56.1	73.32	0.256	0.397	2.324	2.361	3.613
0.44	518.813	0.00704755	17.13	56	73.13	0.130	0.407	2.373	2.401	3.584
0.441	518.078	0.00727085	17.03	55.9	72.93	-0.019	0.422	2.411	2.441	3.555
0.442	517.674	0.00755739	16.92	55.8	72.72	-0.174	0.437	2.438	2.480	3.525
0.443	517.898	0.00790308	16.83	55.7	72.53	-0.317	0.458	2.452	2.518	3.494
0.444	519	0.00830319	16.76	55.6	72.36	-0.430	0.478	2.453	2.555	3.462
0.445	521.159	0.00875261	16.74	55.5	72.24	-0.498	0.502	2.443	2.591	3.430
0.446	524.447	0.0092461	16.75	55.4	72.15	-0.512	0.526	2.419	2.626	3.397
0.447	528.817	0.00977847	16.81	55.3	72.11	-0.467	0.550	2.383	2.660	3.364
0.448	534.101	0.0103447	16.91	55.2	72.11	-0.365	0.576	2.335	2.693	3.329
0.449	540.008	0.01094	17.02	55.1	72.12	-0.214	0.600	2.273	2.726	3.294
0.45	546.148	0.01156	17.14	55	72.14	-0.028	0.627	2.200	2.756	3.258
0.451	552.058	0.0122006	17.25	54.9	72.15	0.175	0.651	2.114	2.787	3.222
0.452	557.245	0.0128584	17.31	54.8	72.11	0.374	0.677	2.017	2.816	3.185
0.453	561.229	0.0135301	17.31	54.7	72.01	0.548	0.700	1.909	2.845	3.148
0.454	563.599	0.0142131	17.22	54.6	71.82	0.678	0.724	1.789	2.872	3.110
0.455	564.057	0.0149054	17.04	54.5	71.54	0.747	0.747	1.659	2.899	3.071
0.456	562.46	0.015605	16.75	54.4	71.15	0.745	0.770	1.519	2.924	3.032
0.457	558.848	0.0163107	16.35	54.3	70.65	0.668	0.792	1.370	2.949	2.992
0.458	553.442	0.0170215	15.87	54.2	70.07	0.520	0.812	1.212	2.972	2.952
0.459	546.641	0.0177364	15.32	54.1	69.42	0.313	0.833	1.046	2.997	2.911
0.46	538.979	0.0184547	14.72	54	68.72	0.064	0.852	0.873	3.018	2.870
0.461	531.083	0.0191757	14.11	53.9	68.01	-0.202	0.872	0.693	3.040	2.828
0.462	523.609	0.0198986	13.52	53.8	67.32	-0.461	0.890	0.508	3.060	2.786
0.463	517.186	0.0206224	12.98	53.7	66.68	-0.685	0.908	0.318	3.081	2.744
0.464	512.359	0.021346	12.52	53.6	66.12	-0.851	0.925	0.124	3.099	2.701
0.465	509.534	0.0220679	12.16	53.5	65.66	-0.938	0.942	-0.074	3.118	2.657
0.466	508.948	0.0227865	11.92	53.4	65.32	-0.935	0.959	-0.273	3.135	2.613
0.467	510.633	0.0234998	11.79	53.3	65.09	-0.838	0.975	-0.473	3.153	2.569
0.468	514.413	0.024206	11.76	53.2	64.96	-0.654	0.992	-0.674	3.169	2.525
0.469	519.906	0.0249027	11.83	53.1	64.93	-0.398	1.007	-0.875	3.185	2.480
0.47	526.541	0.0255879	11.96	53	64.96	-0.093	1.024	-1.073	3.200	2.435
0.471	533.612	0.0262594	12.11	52.9	65.01	0.232	1.040	-1.269	3.215	2.389
0.472	540.332	0.0269152	12.25	52.8	65.05	0.544	1.057	-1.462	3.229	2.343
0.473	545.921	0.0275535	12.34	52.7	65.04	0.811	1.073	-1.651	3.243	2.297
0.474	549.692	0.0281727	12.34	52.6	64.94	1.005	1.090	-1.834	3.256	2.251
0.475	551.143	0.0287713	12.23	52.5	64.73	1.104	1.107	-2.011	3.269	2.204
0.476	550.021	0.0293483	12.00	52.4	64.40	1.095	1.124	-2.181	3.281	2.158
0.477	546.364	0.0299025	11.65	52.3	63.95	0.975	1.142	-2.344	3.293	2.111
0.478	540.505	0.0304332	11.20	52.2	63.40	0.754	1.159	-2.498	3.304	2.063
0.479	533.032	0.0309396	10.67	52.1	62.77	0.451	1.178	-2.643	3.316	2.016
0.48	524.725	0.0314209	10.11	52	62.11	0.095	1.194	-2.777	3.327	1.968
0.481	516.464	0.0318763	9.57	51.9	61.47	-0.280	1.212	-2.901	3.338	1.921
0.482	509.138	0.0323049	9.07	51.8	60.87	-0.637	1.228	-3.014	3.348	1.873
0.483	503.554	0.0327057	8.67	51.7	60.37	-0.940	1.245	-3.115	3.358	1.825
0.484	500.369	0.0330774	8.40	51.6	60.00	-1.158	1.259	-3.203	3.368	1.777

Data Repository Item

0.485	500.031	0.0334186	8.28	51.5	59.78	-1.268	1.274	-3.278	3.378	1.728
0.486	502.745	0.0337278	8.32	51.4	59.72	-1.257	1.287	-3.340	3.388	1.680
0.487	508.455	0.0340034	8.53	51.3	59.83	-1.125	1.299	-3.389	3.398	1.632
0.488	516.837	0.0342436	8.87	51.2	60.07	-0.883	1.310	-3.423	3.407	1.583
0.489	527.313	0.0344468	9.34	51.1	60.44	-0.554	1.317	-3.443	3.416	1.535
0.49	539.09	0.0346111	9.88	51	60.88	-0.168	1.325	-3.449	3.426	1.486
0.491	551.21	0.0347352	10.44	50.9	61.34	0.236	1.329	-3.440	3.435	1.438
0.492	562.637	0.0348178	10.99	50.8	61.79	0.620	1.333	-3.417	3.444	1.389
0.493	572.352	0.0348577	11.47	50.7	62.17	0.947	1.333	-3.379	3.453	1.341
0.494	579.459	0.0348542	11.82	50.6	62.42	1.184	1.332	-3.326	3.463	1.292
0.495	583.29	0.0348069	12.03	50.5	62.53	1.309	1.328	-3.260	3.472	1.244
0.496	583.484	0.0347156	12.06	50.4	62.46	1.311	1.321	-3.179	3.482	1.195
0.497	580.027	0.0345805	11.93	50.3	62.23	1.190	1.313	-3.084	3.491	1.147
0.498	573.253	0.0344019	11.65	50.2	61.85	0.961	1.301	-2.975	3.501	1.099
0.499	563.8	0.0341804	11.24	50.1	61.34	0.647	1.289	-2.854	3.510	1.051
0.5	552.533	0.0339168	10.76	50	60.76	0.280	1.272	-2.719	3.520	1.002
0.501	540.438	0.0336119	10.24	49.9	60.14	-0.103	1.255	-2.573	3.529	0.954
0.502	528.52	0.0332665	9.75	49.8	59.55	-0.466	1.234	-2.415	3.539	0.907
0.503	517.704	0.0328814	9.33	49.7	59.03	-0.773	1.212	-2.246	3.549	0.859
0.504	508.76	0.0324573	9.01	49.6	58.61	-0.997	1.188	-2.066	3.559	0.811
0.505	502.245	0.031995	8.82	49.5	58.32	-1.120	1.162	-1.877	3.569	0.764
0.506	498.481	0.0314948	8.78	49.4	58.18	-1.133	1.134	-1.679	3.580	0.717
0.507	497.54	0.0309574	8.89	49.3	58.19	-1.039	1.105	-1.474	3.589	0.670
0.508	499.259	0.0303832	9.15	49.2	58.35	-0.854	1.075	-1.261	3.601	0.623
0.509	503.258	0.0297728	9.54	49.1	58.64	-0.598	1.043	-1.041	3.610	0.576
0.51	508.985	0.029127	10.02	49	59.02	-0.301	1.011	-0.817	3.622	0.530
0.511	515.764	0.0284468	10.56	48.9	59.46	0.007	0.977	-0.588	3.632	0.484
0.512	522.863	0.0277334	11.13	48.8	59.93	0.294	0.944	-0.355	3.644	0.438
0.513	529.567	0.0269885	11.69	48.7	60.39	0.533	0.908	-0.120	3.654	0.392
0.514	535.248	0.0262144	12.20	48.6	60.80	0.705	0.874	0.116	3.666	0.346
0.515	539.434	0.0254135	12.65	48.5	61.15	0.796	0.838	0.353	3.676	0.301
0.516	541.849	0.0245889	13.02	48.4	61.42	0.803	0.803	0.590	3.688	0.256
0.517	542.438	0.0237443	13.30	48.3	61.60	0.733	0.768	0.825	3.698	0.212
0.518	541.352	0.0228835	13.51	48.2	61.71	0.598	0.731	1.057	3.710	0.167
0.519	538.918	0.022011	13.65	48.1	61.75	0.418	0.696	1.286	3.721	0.123
0.52	535.577	0.0211315	13.74	48	61.74	0.216	0.659	1.511	3.733	0.079
0.521	531.828	0.0202502	13.82	47.9	61.72	0.014	0.624	1.730	3.743	0.036
0.522	528.158	0.0193727	13.90	47.8	61.70	-0.167	0.587	1.943	3.755	-0.007
0.523	524.996	0.0185049	14.00	47.7	61.70	-0.309	0.551	2.148	3.766	-0.050
0.524	522.666	0.0176534	14.14	47.6	61.74	-0.403	0.513	2.346	3.778	-0.092
0.525	521.373	0.0168254	14.33	47.5	61.83	-0.445	0.476	2.535	3.788	-0.134
0.526	521.194	0.0160288	14.56	47.4	61.96	-0.436	0.438	2.714	3.800	-0.176
0.527	522.09	0.0152726	14.83	47.3	62.13	-0.387	0.399	2.883	3.811	-0.217
0.528	523.928	0.0145669	15.13	47.2	62.33	-0.309	0.360	3.040	3.822	-0.258
0.529	526.509	0.0139227	15.45	47.1	62.55	-0.217	0.319	3.186	3.833	-0.299
0.53	529.6	0.0133524	15.78	47	62.78	-0.125	0.279	3.320	3.844	-0.339

Data Repository Item

0.531	532.971	0.0128685	16.09	46.9	62.99	-0.047	0.237	3.441	3.854	-0.379
0.532	536.415	0.0124838	16.38	46.8	63.18	0.009	0.196	3.549	3.865	-0.418
0.533	539.773	0.0122098	16.63	46.7	63.33	0.039	0.154	3.643	3.875	-0.457
0.534	542.939	0.0120555	16.84	46.6	63.44	0.044	0.115	3.722	3.886	-0.495
0.535	545.863	0.0120263	16.99	46.5	63.49	0.029	0.080	3.788	3.896	-0.533
0.536	548.532	0.0121234	17.09	46.4	63.49	0.003	0.065	3.839	3.906	-0.571
0.537	550.959	0.0123432	17.15	46.3	63.45	-0.023	0.080	3.875	3.915	-0.608
0.538	553.158	0.0126778	17.16	46.2	63.36	-0.039	0.116	3.897	3.925	-0.645
0.539	555.118	0.0131168	17.13	46.1	63.23	-0.034	0.158	3.903	3.934	-0.681
0.54	556.789	0.0136475	17.05	46	63.05	-0.004	0.205	3.895	3.944	-0.717
0.541	558.07	0.0142572	16.93	45.9	62.83	0.053	0.251	3.872	3.953	-0.752
0.542	558.806	0.0149331	16.77	45.8	62.57	0.135	0.301	3.835	3.961	-0.787
0.543	558.802	0.0156638	16.55	45.7	62.25	0.233	0.349	3.783	3.970	-0.821
0.544	557.84	0.0164389	16.27	45.6	61.87	0.335	0.398	3.717	3.978	-0.855
0.545	555.715	0.0172495	15.92	45.5	61.42	0.428	0.447	3.637	3.987	-0.888
0.546	552.268	0.018088	15.49	45.4	60.89	0.496	0.495	3.544	3.994	-0.921
0.547	547.423	0.0189478	14.99	45.3	60.29	0.525	0.544	3.437	4.002	-0.953
0.548	541.217	0.0198234	14.42	45.2	59.62	0.506	0.591	3.318	4.009	-0.985
0.549	533.825	0.0207098	13.78	45.1	58.88	0.433	0.638	3.187	4.017	-1.016
0.55	525.558	0.0216029	13.10	45	58.10	0.305	0.683	3.044	4.024	-1.047
0.551	516.855	0.022499	12.40	44.9	57.30	0.129	0.729	2.890	4.031	-1.077
0.552	508.254	0.0233945	11.70	44.8	56.50	-0.082	0.771	2.726	4.037	-1.107
0.553	500.345	0.0242866	11.04	44.7	55.74	-0.310	0.815	2.552	4.044	-1.136
0.554	493.727	0.0251724	10.44	44.6	55.04	-0.535	0.855	2.369	4.050	-1.165
0.555	488.949	0.0260494	9.94	44.5	54.44	-0.734	0.895	2.177	4.057	-1.193
0.556	486.464	0.0269156	9.55	44.4	53.95	-0.884	0.932	1.978	4.062	-1.220
0.557	486.589	0.0277692	9.30	44.3	53.60	-0.967	0.968	1.772	4.068	-1.247
0.558	489.466	0.0286087	9.20	44.2	53.40	-0.971	1.003	1.559	4.073	-1.273
0.559	495.042	0.0294332	9.23	44.1	53.33	-0.888	1.035	1.342	4.079	-1.299
0.56	503.06	0.030242	9.39	44	53.39	-0.721	1.067	1.119	4.084	-1.324
0.561	513.054	0.0310347	9.65	43.9	53.55	-0.480	1.096	0.892	4.090	-1.349
0.562	524.377	0.0318115	9.98	43.8	53.78	-0.183	1.125	0.663	4.093	-1.373
0.563	536.231	0.0325724	10.34	43.7	54.04	0.145	1.150	0.431	4.099	-1.397
0.564	547.731	0.033318	10.70	43.6	54.30	0.476	1.176	0.197	4.103	-1.420
0.565	557.977	0.0340487	10.99	43.5	54.49	0.780	1.199	-0.038	4.109	-1.442
0.566	566.141	0.0347651	11.18	43.4	54.58	1.028	1.222	-0.272	4.112	-1.464
0.567	571.552	0.0354674	11.24	43.3	54.54	1.196	1.243	-0.506	4.117	-1.485
0.568	573.773	0.036156	11.15	43.2	54.35	1.264	1.264	-0.739	4.121	-1.505
0.569	572.651	0.0368309	10.89	43.1	53.99	1.224	1.284	-0.969	4.126	-1.525
0.57	568.341	0.0374918	10.47	43	53.47	1.076	1.303	-1.197	4.129	-1.545
0.571	561.29	0.0381383	9.93	42.9	52.83	0.829	1.322	-1.420	4.134	-1.563
0.572	552.19	0.0387696	9.28	42.8	52.08	0.502	1.340	-1.640	4.137	-1.582
0.573	541.91	0.0393848	8.59	42.7	51.29	0.121	1.359	-1.855	4.142	-1.599
0.574	531.407	0.0399828	7.88	42.6	50.48	-0.281	1.376	-2.064	4.145	-1.616
0.575	521.644	0.0405624	7.22	42.5	49.72	-0.670	1.396	-2.266	4.150	-1.632
0.576	513.503	0.0411226	6.64	42.4	49.04	-1.010	1.413	-2.462	4.152	-1.648

Data Repository Item

0.577	507.726	0.0416621	6.19	42.3	48.49	-1.271	1.433	-2.650	4.157	-1.663
0.578	504.857	0.0421799	5.89	42.2	48.09	-1.427	1.451	-2.830	4.160	-1.678
0.579	505.214	0.0426751	5.76	42.1	47.86	-1.461	1.471	-3.002	4.164	-1.692
0.58	508.861	0.043147	5.80	42	47.80	-1.366	1.490	-3.164	4.167	-1.705
0.581	515.6	0.0435951	6.01	41.9	47.91	-1.148	1.509	-3.317	4.172	-1.718
0.582	524.966	0.0440188	6.35	41.8	48.15	-0.821	1.529	-3.459	4.175	-1.730
0.583	536.243	0.044418	6.79	41.7	48.49	-0.413	1.547	-3.591	4.179	-1.741
0.584	548.5	0.0447923	7.29	41.6	48.89	0.042	1.567	-3.711	4.182	-1.752
0.585	560.647	0.0451413	7.79	41.5	49.29	0.505	1.585	-3.820	4.186	-1.762
0.586	571.523	0.0454648	8.24	41.4	49.64	0.933	1.604	-3.918	4.189	-1.772
0.587	580.008	0.0457622	8.58	41.3	49.88	1.288	1.620	-4.003	4.193	-1.781
0.588	585.142	0.0460329	8.75	41.2	49.95	1.535	1.637	-4.075	4.197	-1.789
0.589	586.242	0.0462759	8.73	41.1	49.83	1.650	1.652	-4.135	4.200	-1.797
0.59	582.997	0.0464903	8.51	41	49.51	1.619	1.666	-4.181	4.203	-1.804
0.591	575.515	0.0466746	8.08	40.9	48.98	1.442	1.679	-4.215	4.207	-1.811
0.592	564.328	0.0468275	7.47	40.8	48.27	1.135	1.689	-4.234	4.210	-1.817
0.593	550.328	0.0469474	6.74	40.7	47.44	0.723	1.699	-4.240	4.213	-1.822
0.594	534.678	0.0470327	5.93	40.6	46.53	0.242	1.706	-4.233	4.217	-1.827
0.595	518.677	0.0470817	5.11	40.5	45.61	-0.264	1.713	-4.211	4.220	-1.831
0.596	503.633	0.0470931	4.36	40.4	44.76	-0.749	1.715	-4.176	4.223	-1.834
0.597	490.741	0.0470655	3.72	40.3	44.02	-1.170	1.718	-4.127	4.226	-1.837
0.598	480.993	0.0469978	3.26	40.2	43.46	-1.486	1.717	-4.064	4.229	-1.840
0.599	475.107	0.0468892	2.99	40.1	43.09	-1.670	1.715	-3.987	4.231	-1.841
0.6	473.5	0.0467391	2.96	40	42.96	-1.705	1.710	-3.897	4.234	-1.842
0.601	476.263	0.0465473	3.15	39.9	43.05	-1.588	1.702	-3.794	4.236	-1.843
0.602	483.161	0.0463137	3.57	39.8	43.37	-1.330	1.693	-3.677	4.239	-1.843
0.603	493.645	0.0460384	4.18	39.7	43.88	-0.957	1.681	-3.548	4.240	-1.842
0.604	506.878	0.0457216	4.93	39.6	44.53	-0.503	1.667	-3.406	4.242	-1.841
0.605	521.784	0.0453638	5.79	39.5	45.29	-0.012	1.650	-3.252	4.243	-1.839
0.606	537.126	0.0449651	6.67	39.4	46.07	0.470	1.633	-3.087	4.246	-1.836
0.607	551.615	0.0445258	7.53	39.3	46.83	0.900	1.611	-2.911	4.246	-1.833
0.608	564.036	0.0440459	8.29	39.2	47.49	1.238	1.589	-2.724	4.248	-1.829
0.609	573.378	0.0435255	8.92	39.1	48.02	1.455	1.563	-2.526	4.248	-1.825
0.61	578.945	0.0429643	9.36	39	48.36	1.533	1.537	-2.320	4.249	-1.820
0.611	580.434	0.0423619	9.62	38.9	48.52	1.469	1.508	-2.105	4.249	-1.815
0.612	577.958	0.0417118	9.69	38.8	48.49	1.274	1.477	-1.882	4.250	-1.809
0.613	572.015	0.0410321	9.60	38.7	48.30	0.969	1.446	-1.652	4.248	-1.802
0.614	563.407	0.0403039	9.38	38.6	47.98	0.589	1.412	-1.415	4.249	-1.795
0.615	553.134	0.0395334	9.10	38.5	47.60	0.172	1.378	-1.173	4.247	-1.787
0.616	542.268	0.0387207	8.80	38.4	47.20	-0.240	1.341	-0.926	4.247	-1.778
0.617	531.844	0.0378664	8.54	38.3	46.84	-0.609	1.305	-0.676	4.244	-1.770
0.618	522.758	0.0369716	8.35	38.2	46.55	-0.902	1.266	-0.422	4.244	-1.760
0.619	515.705	0.0360378	8.28	38.1	46.38	-1.093	1.228	-0.167	4.240	-1.750
0.62	511.141	0.035067	8.34	38	46.34	-1.171	1.188	0.089	4.239	-1.739
0.621	509.265	0.0340619	8.55	37.9	46.45	-1.136	1.148	0.345	4.235	-1.728
0.622	510.028	0.0330254	8.90	37.8	46.70	-0.996	1.107	0.600	4.233	-1.716

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0.623	513.156	0.031961	9.37	37.7	47.07	-0.774	1.065	0.852	4.228	-1.704
0.624	518.182	0.0308725	9.95	37.6	47.55	-0.496	1.024	1.102	4.226	-1.691
0.625	524.498	0.0297637	10.60	37.5	48.10	-0.194	0.980	1.347	4.220	-1.678
0.626	531.412	0.0286389	11.28	37.4	48.68	0.101	0.938	1.587	4.217	-1.663
0.627	538.216	0.0275025	11.97	37.3	49.27	0.360	0.893	1.821	4.211	-1.649
0.628	544.255	0.026359	12.61	37.2	49.81	0.561	0.850	2.048	4.207	-1.634
0.629	548.99	0.025213	13.19	37.1	50.29	0.689	0.805	2.266	4.200	-1.618
0.63	552.052	0.0240696	13.69	37	50.69	0.739	0.760	2.476	4.195	-1.602
0.631	553.263	0.022934	14.09	36.9	50.99	0.714	0.715	2.675	4.188	-1.585
0.632	552.647	0.0218122	14.39	36.8	51.19	0.624	0.668	2.864	4.182	-1.568
0.633	550.405	0.0207107	14.61	36.7	51.31	0.486	0.622	3.041	4.174	-1.550
0.634	546.874	0.0196372	14.76	36.6	51.36	0.323	0.573	3.206	4.168	-1.532
0.635	542.469	0.0186006	14.85	36.5	51.35	0.154	0.526	3.357	4.160	-1.513
0.636	537.631	0.0176113	14.90	36.4	51.30	0.000	0.476	3.495	4.152	-1.494
0.637	532.768	0.0166815	14.94	36.3	51.24	-0.124	0.427	3.618	4.143	-1.474
0.638	528.217	0.0158251	14.97	36.2	51.17	-0.207	0.376	3.727	4.135	-1.453
0.639	524.22	0.0150578	15.00	36.1	51.10	-0.248	0.325	3.820	4.126	-1.432
0.64	520.913	0.0143963	15.03	36	51.03	-0.248	0.273	3.898	4.117	-1.411
0.641	518.337	0.0138576	15.06	35.9	50.96	-0.217	0.221	3.959	4.108	-1.389
0.642	516.46	0.0134572	15.09	35.8	50.89	-0.168	0.169	4.004	4.098	-1.366
0.643	515.204	0.0132076	15.10	35.7	50.80	-0.115	0.118	4.033	4.088	-1.343
0.644	514.477	0.0131161	15.09	35.6	50.69	-0.071	0.073	4.045	4.078	-1.320
0.645	514.205	0.0131838	15.06	35.5	50.56	-0.049	0.053	4.040	4.068	-1.296
0.646	514.353	0.013405	15.00	35.4	50.40	-0.053	0.080	4.019	4.057	-1.271
0.647	514.937	0.0137681	14.92	35.3	50.22	-0.087	0.129	3.981	4.046	-1.246
0.648	516.022	0.0142579	14.83	35.2	50.03	-0.144	0.181	3.928	4.035	-1.221
0.649	517.712	0.0148566	14.73	35.1	49.83	-0.214	0.236	3.858	4.024	-1.195
0.65	520.127	0.0155465	14.65	35	49.65	-0.285	0.290	3.773	4.013	-1.168
0.651	523.369	0.0163104	14.58	34.9	49.48	-0.342	0.344	3.672	4.002	-1.141
0.652	527.498	0.0171328	14.54	34.8	49.34	-0.368	0.398	3.557	3.990	-1.114
0.653	532.495	0.0180001	14.53	34.7	49.23	-0.353	0.450	3.428	3.978	-1.086
0.654	538.238	0.0189003	14.55	34.6	49.15	-0.290	0.503	3.285	3.966	-1.057
0.655	544.496	0.0198231	14.58	34.5	49.08	-0.177	0.553	3.129	3.955	-1.028
0.656	550.921	0.0207596	14.62	34.4	49.02	-0.021	0.604	2.962	3.942	-0.999
0.657	557.068	0.021702	14.65	34.3	48.95	0.166	0.651	2.783	3.931	-0.969
0.658	562.426	0.0226434	14.63	34.2	48.83	0.366	0.699	2.594	3.918	-0.939
0.659	566.468	0.023578	14.56	34.1	48.66	0.557	0.744	2.395	3.906	-0.908
0.66	568.707	0.0245003	14.39	34	48.39	0.716	0.788	2.187	3.893	-0.877
0.661	568.762	0.0254058	14.12	33.9	48.02	0.822	0.829	1.971	3.882	-0.846
0.662	566.411	0.0262904	13.74	33.8	47.54	0.859	0.870	1.749	3.869	-0.814
0.663	561.637	0.0271507	13.24	33.7	46.94	0.816	0.908	1.521	3.858	-0.781
0.664	554.65	0.0279839	12.64	33.6	46.24	0.691	0.944	1.288	3.844	-0.748
0.665	545.878	0.0287879	11.96	33.5	45.46	0.490	0.980	1.052	3.833	-0.715
0.666	535.935	0.029561	11.23	33.4	44.63	0.228	1.012	0.812	3.820	-0.681
0.667	525.568	0.0303021	10.49	33.3	43.79	-0.073	1.044	0.571	3.809	-0.647
0.668	515.586	0.0310108	9.78	33.2	42.98	-0.386	1.072	0.329	3.796	-0.613

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0.669	506.785	0.0316868	9.14	33.1	42.24	-0.680	1.101	0.087	3.785	-0.578
0.67	499.88	0.0323302	8.60	33	41.60	-0.926	1.126	-0.153	3.772	-0.542
0.671	495.444	0.0329416	8.19	32.9	41.09	-1.096	1.151	-0.392	3.762	-0.507
0.672	493.862	0.0335213	7.94	32.8	40.74	-1.173	1.173	-0.627	3.749	-0.470
0.673	495.296	0.0340698	7.85	32.7	40.55	-1.143	1.194	-0.858	3.738	-0.434
0.674	499.669	0.0345876	7.91	32.6	40.51	-1.006	1.214	-1.084	3.726	-0.397
0.675	506.655	0.0350748	8.12	32.5	40.62	-0.772	1.231	-1.304	3.716	-0.360
0.676	515.698	0.0355317	8.43	32.4	40.83	-0.459	1.249	-1.518	3.703	-0.322
0.677	526.034	0.0359581	8.82	32.3	41.12	-0.094	1.263	-1.724	3.693	-0.284
0.678	536.753	0.0363539	9.24	32.2	41.44	0.288	1.279	-1.922	3.681	-0.246
0.679	546.871	0.0367188	9.63	32.1	41.73	0.652	1.291	-2.111	3.671	-0.207
0.68	555.428	0.0370524	9.96	32	41.96	0.963	1.304	-2.290	3.660	-0.168
0.681	561.59	0.0373543	10.18	31.9	42.08	1.191	1.314	-2.459	3.650	-0.129
0.682	564.745	0.0376244	10.25	31.8	42.05	1.314	1.325	-2.618	3.638	-0.089
0.683	564.581	0.0378625	10.18	31.7	41.88	1.317	1.335	-2.765	3.629	-0.050
0.684	561.128	0.0380686	9.94	31.6	41.54	1.199	1.344	-2.901	3.618	-0.009
0.685	554.751	0.0382432	9.57	31.5	41.07	0.969	1.353	-3.024	3.608	0.031
0.686	546.111	0.0383868	9.09	31.4	40.49	0.648	1.360	-3.135	3.598	0.072
0.687	536.086	0.0385002	8.56	31.3	39.86	0.265	1.369	-3.233	3.588	0.113
0.688	525.672	0.0385841	8.01	31.2	39.21	-0.147	1.375	-3.318	3.578	0.154
0.689	515.879	0.0386399	7.51	31.1	38.61	-0.548	1.383	-3.390	3.569	0.196
0.69	507.644	0.0386684	7.09	31	38.09	-0.904	1.388	-3.448	3.558	0.237
0.691	501.747	0.0386708	6.79	30.9	37.69	-1.180	1.395	-3.493	3.549	0.279
0.692	498.763	0.0386481	6.65	30.8	37.45	-1.352	1.400	-3.524	3.539	0.322
0.693	499.023	0.0386009	6.68	30.7	37.38	-1.403	1.405	-3.542	3.530	0.364
0.694	502.599	0.03853	6.88	30.6	37.48	-1.329	1.409	-3.546	3.520	0.407
0.695	509.297	0.0384355	7.24	30.5	37.74	-1.136	1.412	-3.537	3.511	0.449
0.696	518.668	0.0383177	7.74	30.4	38.14	-0.841	1.415	-3.515	3.501	0.492
0.697	530.025	0.0381762	8.35	30.3	38.65	-0.470	1.416	-3.479	3.492	0.536
0.698	542.489	0.0380108	9.03	30.2	39.23	-0.057	1.418	-3.431	3.483	0.579
0.699	555.05	0.0378209	9.71	30.1	39.81	0.361	1.416	-3.370	3.473	0.622
0.7	566.645	0.0376058	10.36	30	40.36	0.747	1.416	-3.297	3.463	0.666
0.701	576.258	0.0373651	10.91	29.9	40.81	1.065	1.412	-3.212	3.453	0.709
0.702	583.021	0.0370981	11.33	29.8	41.13	1.287	1.409	-3.116	3.444	0.753
0.703	586.307	0.0368044	11.58	29.7	41.28	1.393	1.403	-3.009	3.433	0.797
0.704	585.803	0.036484	11.65	29.6	41.25	1.374	1.396	-2.891	3.424	0.841
0.705	581.54	0.0361368	11.54	29.5	41.04	1.233	1.388	-2.763	3.413	0.885
0.706	573.895	0.0357632	11.27	29.4	40.67	0.982	1.377	-2.626	3.404	0.929
0.707	563.542	0.0353638	10.87	29.3	40.17	0.647	1.366	-2.480	3.392	0.973
0.708	551.375	0.0349393	10.39	29.2	39.59	0.259	1.352	-2.326	3.382	1.017
0.709	538.413	0.0344908	9.88	29.1	38.98	-0.145	1.339	-2.164	3.370	1.061
0.71	525.697	0.034019	9.38	29	38.38	-0.528	1.321	-1.995	3.360	1.105
0.711	514.192	0.0335252	8.96	28.9	37.86	-0.855	1.305	-1.820	3.347	1.149
0.712	504.714	0.03301	8.64	28.8	37.44	-1.094	1.285	-1.640	3.336	1.192
0.713	497.87	0.0324741	8.46	28.7	37.16	-1.227	1.265	-1.455	3.322	1.236
0.714	494.025	0.031918	8.43	28.6	37.03	-1.241	1.244	-1.265	3.311	1.280

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0.715	493.285	0.0313418	8.57	28.5	37.07	-1.138	1.221	-1.073	3.296	1.324
0.716	495.497	0.0307451	8.86	28.4	37.26	-0.931	1.199	-0.877	3.284	1.367
0.717	500.27	0.0301274	9.28	28.3	37.58	-0.642	1.174	-0.681	3.268	1.411
0.718	507.003	0.0294881	9.81	28.2	38.01	-0.301	1.150	-0.483	3.255	1.454
0.719	514.934	0.028826	10.40	28.1	38.50	0.057	1.124	-0.285	3.239	1.497
0.72	523.213	0.0281404	11.02	28	39.02	0.396	1.100	-0.088	3.224	1.540
0.721	530.985	0.0274304	11.63	27.9	39.53	0.683	1.074	0.107	3.207	1.583
0.722	537.477	0.0266953	12.17	27.8	39.97	0.889	1.050	0.301	3.191	1.625
0.723	542.092	0.0259349	12.63	27.7	40.33	0.997	1.025	0.491	3.172	1.668
0.724	544.472	0.0251496	12.98	27.6	40.58	0.997	1.001	0.677	3.155	1.710
0.725	544.54	0.0243401	13.23	27.5	40.73	0.893	0.978	0.858	3.135	1.751
0.726	542.499	0.0235079	13.38	27.4	40.78	0.700	0.954	1.034	3.117	1.793
0.727	538.796	0.0226549	13.45	27.3	40.75	0.439	0.933	1.203	3.096	1.834
0.728	534.053	0.0217837	13.47	27.2	40.67	0.142	0.911	1.366	3.076	1.875
0.729	528.983	0.0208971	13.49	27.1	40.59	-0.160	0.893	1.521	3.053	1.916
0.73	524.302	0.0199984	13.52	27	40.52	-0.431	0.873	1.668	3.031	1.956
0.731	520.643	0.0190912	13.61	26.9	40.51	-0.645	0.856	1.806	3.007	1.996
0.732	518.496	0.0181789	13.78	26.8	40.58	-0.779	0.838	1.934	2.984	2.036
0.733	518.159	0.017265	14.03	26.7	40.73	-0.820	0.821	2.052	2.958	2.075
0.734	519.72	0.0163529	14.39	26.6	40.99	-0.768	0.806	2.160	2.933	2.113
0.735	523.052	0.0154462	14.82	26.5	41.32	-0.630	0.790	2.257	2.905	2.152
0.736	527.835	0.0145482	15.33	26.4	41.73	-0.425	0.776	2.342	2.878	2.190
0.737	533.591	0.0136626	15.89	26.3	42.19	-0.178	0.760	2.416	2.849	2.227
0.738	539.736	0.0127935	16.45	26.2	42.65	0.081	0.747	2.477	2.820	2.264
0.739	545.645	0.0119463	17.00	26.1	43.10	0.322	0.731	2.527	2.789	2.300
0.74	550.724	0.0111274	17.50	26	43.50	0.516	0.718	2.563	2.758	2.336
0.741	554.476	0.0103453	17.93	25.9	43.83	0.643	0.703	2.588	2.726	2.372
0.742	556.565	0.00961118	18.25	25.8	44.05	0.689	0.690	2.599	2.693	2.407
0.743	556.848	0.00893928	18.47	25.7	44.17	0.650	0.677	2.599	2.658	2.441
0.744	555.392	0.00834707	18.57	25.6	44.17	0.534	0.664	2.585	2.624	2.475
0.745	552.458	0.00785472	18.57	25.5	44.07	0.356	0.653	2.559	2.588	2.508
0.746	548.463	0.00748333	18.48	25.4	43.88	0.138	0.640	2.522	2.551	2.540
0.747	543.922	0.00725158	18.33	25.3	43.63	-0.091	0.632	2.472	2.514	2.572
0.748	539.381	0.00717135	18.12	25.2	43.32	-0.304	0.622	2.411	2.475	2.604
0.749	535.345	0.00724414	17.90	25.1	43.00	-0.473	0.617	2.339	2.436	2.634
0.75	532.227	0.00746007	17.68	25	42.68	-0.579	0.611	2.256	2.396	2.664
0.751	530.295	0.00780034	17.48	24.9	42.38	-0.607	0.608	2.163	2.355	2.694
0.752	529.646	0.00824154	17.31	24.8	42.11	-0.556	0.608	2.061	2.313	2.723
0.753	530.196	0.00875985	17.19	24.7	41.89	-0.430	0.609	1.950	2.272	2.751
0.754	531.694	0.00933369	17.09	24.6	41.69	-0.246	0.615	1.831	2.228	2.778
0.755	533.749	0.00994502	17.01	24.5	41.51	-0.026	0.620	1.705	2.186	2.804
0.756	535.879	0.0105794	16.93	24.4	41.33	0.201	0.630	1.572	2.141	2.830
0.757	537.574	0.0112259	16.82	24.3	41.12	0.408	0.640	1.433	2.097	2.855
0.758	538.365	0.011876	16.66	24.2	40.86	0.568	0.654	1.290	2.051	2.880
0.759	537.892	0.0125235	16.44	24.1	40.54	0.660	0.668	1.143	2.007	2.903
0.76	535.961	0.0131638	16.15	24	40.15	0.671	0.684	0.992	1.961	2.926

Data Repository Item

0.761	532.579	0.0137932	15.80	23.9	39.70	0.599	0.701	0.840	1.916	2.948
0.762	527.961	0.0144087	15.38	23.8	39.18	0.448	0.718	0.687	1.869	2.969
0.763	522.512	0.0150078	14.93	23.7	38.63	0.237	0.737	0.534	1.825	2.989
0.764	516.774	0.0155877	14.47	23.6	38.07	-0.011	0.753	0.381	1.778	3.009
0.765	511.363	0.0161461	14.03	23.5	37.53	-0.268	0.772	0.231	1.735	3.028
0.766	506.895	0.0166801	13.65	23.4	37.05	-0.502	0.788	0.083	1.688	3.045
0.767	503.916	0.0171871	13.34	23.3	36.64	-0.687	0.805	-0.061	1.646	3.063
0.768	502.837	0.0176643	13.15	23.2	36.35	-0.800	0.818	-0.200	1.601	3.079
0.769	503.89	0.0181091	13.07	23.1	36.17	-0.825	0.832	-0.333	1.560	3.094
0.77	507.101	0.018519	13.10	23	36.10	-0.760	0.844	-0.460	1.518	3.108
0.771	512.277	0.018892	13.25	22.9	36.15	-0.608	0.853	-0.580	1.480	3.122
0.772	519.024	0.0192265	13.49	22.8	36.29	-0.387	0.862	-0.692	1.440	3.135
0.773	526.772	0.0195216	13.79	22.7	36.49	-0.121	0.867	-0.795	1.406	3.146
0.774	534.835	0.0197767	14.11	22.6	36.71	0.162	0.873	-0.888	1.370	3.157
0.775	542.479	0.0199921	14.43	22.5	36.93	0.430	0.875	-0.972	1.340	3.167
0.776	549.002	0.0201684	14.70	22.4	37.10	0.653	0.878	-1.045	1.310	3.176
0.777	553.82	0.0203066	14.90	22.3	37.20	0.807	0.877	-1.106	1.285	3.185
0.778	556.531	0.0204081	15.01	22.2	37.21	0.874	0.876	-1.156	1.262	3.192
0.779	556.97	0.0204744	15.01	22.1	37.11	0.847	0.874	-1.195	1.243	3.198
0.78	555.22	0.020507	14.91	22	36.91	0.729	0.870	-1.221	1.227	3.204
0.781	551.603	0.0205074	14.73	21.9	36.63	0.533	0.867	-1.235	1.216	3.208
0.782	546.628	0.0204768	14.49	21.8	36.29	0.281	0.861	-1.236	1.209	3.212
0.783	540.931	0.0204162	14.23	21.7	35.93	0.002	0.858	-1.226	1.206	3.215
0.784	535.191	0.0203263	13.97	21.6	35.57	-0.275	0.851	-1.202	1.207	3.216
0.785	530.059	0.0202074	13.75	21.5	35.25	-0.520	0.847	-1.167	1.213	3.217
0.786	526.088	0.0200599	13.59	21.4	34.99	-0.705	0.841	-1.119	1.223	3.217
0.787	523.683	0.0198838	13.52	21.3	34.82	-0.811	0.837	-1.060	1.236	3.216
0.788	523.066	0.0196794	13.55	21.2	34.75	-0.828	0.832	-0.990	1.255	3.214
0.789	524.258	0.019447	13.68	21.1	34.78	-0.754	0.827	-0.908	1.276	3.211
0.79	527.085	0.019187	13.90	21	34.90	-0.598	0.823	-0.816	1.303	3.208
0.791	531.194	0.0189004	14.19	20.9	35.09	-0.379	0.818	-0.715	1.330	3.203
0.792	536.084	0.0185884	14.53	20.8	35.33	-0.120	0.816	-0.604	1.364	3.197
0.793	541.165	0.018253	14.89	20.7	35.59	0.149	0.810	-0.485	1.397	3.191
0.794	545.807	0.0178962	15.23	20.6	35.83	0.400	0.809	-0.358	1.436	3.183
0.795	549.42	0.0175208	15.52	20.5	36.02	0.605	0.804	-0.224	1.474	3.175
0.796	551.518	0.0171299	15.74	20.4	36.14	0.742	0.802	-0.084	1.517	3.166
0.797	551.778	0.0167269	15.88	20.3	36.18	0.798	0.799	0.060	1.559	3.155
0.798	550.084	0.0163154	15.91	20.2	36.11	0.766	0.795	0.209	1.606	3.144
0.799	546.538	0.0158992	15.86	20.1	35.96	0.652	0.793	0.362	1.650	3.132
0.8	541.455	0.0154818	15.73	20	35.73	0.468	0.788	0.516	1.700	3.120
0.801	535.319	0.0150671	15.55	19.9	35.45	0.235	0.787	0.672	1.746	3.106
0.802	528.728	0.0146584	15.34	19.8	35.14	-0.021	0.781	0.827	1.797	3.091
0.803	522.321	0.0142591	15.14	19.7	34.84	-0.272	0.779	0.982	1.846	3.076
0.804	516.713	0.0138727	14.98	19.6	34.58	-0.491	0.773	1.135	1.898	3.059
0.805	512.424	0.0135023	14.88	19.5	34.38	-0.654	0.769	1.285	1.947	3.042
0.806	509.834	0.0131515	14.85	19.4	34.25	-0.745	0.763	1.431	2.000	3.024

Data Repository Item

0.807	509.148	0.0128238	14.92	19.3	34.22	-0.753	0.758	1.572	2.050	3.005
0.808	510.376	0.0125235	15.07	19.2	34.27	-0.679	0.753	1.708	2.102	2.985
0.809	513.343	0.012255	15.30	19.1	34.40	-0.531	0.745	1.836	2.152	2.965
0.81	517.698	0.0120234	15.58	19	34.58	-0.328	0.741	1.957	2.204	2.943
0.811	522.96	0.0118342	15.90	18.9	34.80	-0.090	0.733	2.069	2.254	2.921
0.812	528.56	0.011693	16.23	18.8	35.03	0.155	0.730	2.172	2.305	2.898
0.813	533.908	0.0116054	16.52	18.7	35.22	0.380	0.723	2.264	2.355	2.874
0.814	538.455	0.0115765	16.75	18.6	35.35	0.560	0.720	2.346	2.405	2.849
0.815	541.757	0.0116104	16.91	18.5	35.41	0.676	0.715	2.416	2.453	2.824
0.816	543.528	0.0117098	16.97	18.4	35.37	0.714	0.713	2.474	2.502	2.798
0.817	543.671	0.0118756	16.93	18.3	35.23	0.670	0.713	2.520	2.550	2.771
0.818	542.285	0.0121072	16.79	18.2	34.99	0.549	0.713	2.552	2.597	2.743
0.819	539.651	0.012402	16.57	18.1	34.67	0.364	0.717	2.571	2.645	2.715
0.82	536.195	0.0127562	16.29	18	34.29	0.134	0.720	2.576	2.690	2.685
0.821	532.43	0.0131649	15.98	17.9	33.88	-0.115	0.729	2.567	2.736	2.655
0.822	528.9	0.0136226	15.66	17.8	33.46	-0.356	0.737	2.543	2.780	2.625
0.823	526.117	0.0141238	15.37	17.7	33.07	-0.561	0.750	2.506	2.825	2.593
0.824	524.505	0.0146632	15.13	17.6	32.73	-0.707	0.762	2.454	2.867	2.561
0.825	524.357	0.0152359	14.95	17.5	32.45	-0.777	0.778	2.388	2.910	2.529
0.826	525.804	0.0158379	14.84	17.4	32.24	-0.760	0.796	2.308	2.950	2.495
0.827	528.795	0.0164658	14.81	17.3	32.11	-0.655	0.814	2.214	2.992	2.461
0.828	533.099	0.0171167	14.82	17.2	32.02	-0.472	0.836	2.107	3.030	2.426
0.829	538.314	0.0177886	14.88	17.1	31.98	-0.227	0.856	1.986	3.071	2.391
0.83	543.898	0.0184797	14.96	17	31.96	0.055	0.882	1.853	3.107	2.355
0.831	549.218	0.0191887	15.01	16.9	31.91	0.345	0.904	1.707	3.146	2.318
0.832	553.612	0.0199141	15.01	16.8	31.81	0.612	0.931	1.550	3.181	2.281
0.833	556.463	0.0206545	14.93	16.7	31.63	0.826	0.955	1.382	3.218	2.243
0.834	557.277	0.0214083	14.75	16.6	31.35	0.962	0.983	1.204	3.251	2.205
0.835	555.747	0.0221736	14.44	16.5	30.94	1.003	1.010	1.016	3.286	2.166
0.836	551.81	0.0229481	14.01	16.4	30.41	0.940	1.036	0.819	3.317	2.127
0.837	545.664	0.0237291	13.47	16.3	29.77	0.775	1.065	0.615	3.352	2.087
0.838	537.762	0.024514	12.84	16.2	29.04	0.521	1.090	0.404	3.381	2.046
0.839	528.766	0.0252996	12.15	16.1	28.25	0.201	1.119	0.187	3.414	2.005
0.84	519.48	0.0260829	11.45	16	27.45	-0.154	1.144	-0.035	3.442	1.963
0.841	510.769	0.026861	10.79	15.9	26.69	-0.510	1.173	-0.260	3.473	1.921
0.842	503.468	0.027631	10.19	15.8	25.99	-0.829	1.197	-0.489	3.499	1.879
0.843	498.307	0.0283902	9.70	15.7	25.40	-1.078	1.224	-0.719	3.529	1.836
0.844	495.841	0.0291365	9.36	15.6	24.96	-1.228	1.248	-0.949	3.554	1.792
0.845	496.4	0.0298679	9.16	15.5	24.66	-1.260	1.271	-1.179	3.583	1.748
0.846	500.058	0.0305829	9.13	15.4	24.53	-1.167	1.295	-1.408	3.607	1.704
0.847	506.615	0.0312801	9.25	15.3	24.55	-0.954	1.315	-1.633	3.634	1.659
0.848	515.595	0.0319587	9.50	15.2	24.70	-0.639	1.338	-1.855	3.657	1.614
0.849	526.276	0.0326178	9.83	15.1	24.93	-0.251	1.355	-2.071	3.683	1.568
0.85	537.732	0.0332567	10.21	15	25.21	0.173	1.376	-2.281	3.704	1.522
0.851	548.91	0.0338746	10.59	14.9	25.49	0.591	1.391	-2.484	3.729	1.476
0.852	558.735	0.0344706	10.90	14.8	25.70	0.961	1.409	-2.679	3.750	1.429

Data Repository Item

0.853	566.222	0.0350436	11.10	14.7	25.80	1.244	1.423	-2.864	3.774	1.382
0.854	570.6	0.0355923	11.16	14.6	25.76	1.411	1.438	-3.038	3.795	1.335
0.855	571.409	0.0361149	11.04	14.5	25.54	1.442	1.451	-3.202	3.818	1.287
0.856	568.564	0.0366095	10.75	14.4	25.15	1.331	1.463	-3.353	3.838	1.239
0.857	562.374	0.0370739	10.30	14.3	24.60	1.087	1.476	-3.491	3.860	1.191
0.858	553.499	0.0375059	9.73	14.2	23.93	0.733	1.485	-3.615	3.880	1.143
0.859	542.878	0.037903	9.08	14.1	23.18	0.301	1.497	-3.724	3.901	1.094
0.86	531.607	0.0382629	8.41	14	22.41	-0.165	1.504	-3.818	3.921	1.045
0.861	520.826	0.0385834	7.77	13.9	21.67	-0.621	1.515	-3.896	3.942	0.996
0.862	511.601	0.0388624	7.23	13.8	21.03	-1.020	1.521	-3.958	3.961	0.946
0.863	504.826	0.0390984	6.82	13.7	20.52	-1.324	1.530	-4.002	3.982	0.897
0.864	501.158	0.0392898	6.58	13.6	20.18	-1.500	1.535	-4.029	4.001	0.847
0.865	500.972	0.0394358	6.52	13.5	20.02	-1.532	1.540	-4.038	4.021	0.797
0.866	504.334	0.0395357	6.66	13.4	20.06	-1.416	1.545	-4.029	4.041	0.747
0.867	510.998	0.039589	6.98	13.3	20.28	-1.162	1.546	-4.002	4.061	0.697
0.868	520.417	0.0395957	7.45	13.2	20.65	-0.795	1.549	-3.957	4.082	0.646
0.869	531.771	0.0395557	8.03	13.1	21.13	-0.352	1.546	-3.893	4.101	0.596
0.87	544.026	0.0394691	8.67	13	21.67	0.124	1.547	-3.812	4.122	0.545
0.871	556.02	0.0393359	9.31	12.9	22.21	0.585	1.540	-3.712	4.141	0.495
0.872	566.567	0.0391559	9.89	12.8	22.69	0.988	1.536	-3.595	4.163	0.444
0.873	574.586	0.0389288	10.36	12.7	23.06	1.291	1.526	-3.461	4.182	0.393
0.874	579.227	0.0386541	10.67	12.6	23.27	1.468	1.517	-3.310	4.204	0.342
0.875	579.972	0.0383312	10.80	12.5	23.30	1.502	1.504	-3.142	4.224	0.292
0.876	576.703	0.0379593	10.75	12.4	23.15	1.393	1.488	-2.959	4.247	0.241
0.877	569.713	0.0375376	10.53	12.3	22.83	1.154	1.472	-2.761	4.266	0.190
0.878	559.665	0.0370655	10.17	12.2	22.37	0.812	1.450	-2.548	4.290	0.139
0.879	547.505	0.0365423	9.72	12.1	21.82	0.403	1.430	-2.322	4.309	0.089
0.88	534.341	0.0359677	9.23	12	21.23	-0.030	1.401	-2.084	4.334	0.038
0.881	521.316	0.0353419	8.77	11.9	20.67	-0.445	1.377	-1.834	4.353	-0.013
0.882	509.495	0.0346655	8.38	11.8	20.18	-0.800	1.344	-1.574	4.378	-0.063
0.883	499.764	0.0339393	8.11	11.7	19.81	-1.063	1.313	-1.305	4.398	-0.113
0.884	492.772	0.0331649	7.99	11.6	19.59	-1.212	1.277	-1.027	4.424	-0.164
0.885	488.893	0.0323442	8.05	11.5	19.55	-1.239	1.240	-0.742	4.444	-0.214
0.886	488.223	0.0314794	8.27	11.4	19.67	-1.147	1.200	-0.452	4.470	-0.264
0.887	490.588	0.030573	8.66	11.3	19.96	-0.952	1.157	-0.157	4.491	-0.313
0.888	495.575	0.0296279	9.20	11.2	20.40	-0.680	1.115	0.141	4.517	-0.363
0.889	502.583	0.0286467	9.84	11.1	20.94	-0.364	1.066	0.441	4.538	-0.412
0.89	510.878	0.0276325	10.56	11	21.56	-0.038	1.022	0.741	4.565	-0.461
0.891	519.669	0.026588	11.31	10.9	22.21	0.263	0.969	1.041	4.586	-0.510
0.892	528.193	0.0255161	12.06	10.8	22.86	0.510	0.922	1.338	4.613	-0.558
0.893	535.784	0.0244195	12.77	10.7	23.47	0.682	0.868	1.632	4.634	-0.607
0.894	541.946	0.0233011	13.41	10.6	24.01	0.766	0.817	1.921	4.661	-0.655
0.895	546.393	0.022164	13.98	10.5	24.48	0.763	0.763	2.204	4.682	-0.702
0.896	549.058	0.0210115	14.45	10.4	24.85	0.681	0.709	2.480	4.709	-0.749
0.897	550.08	0.0198477	14.85	10.3	25.15	0.536	0.657	2.747	4.730	-0.796
0.898	549.755	0.0186772	15.19	10.2	25.39	0.353	0.602	3.004	4.756	-0.843

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0.899	548.48	0.0175061	15.48	10.1	25.58	0.157	0.553	3.249	4.777	-0.889
0.9	546.686	0.0163419	15.74	10	25.74	-0.027	0.498	3.483	4.803	-0.935
0.901	544.773	0.015194	15.99	9.9	25.89	-0.177	0.451	3.704	4.824	-0.980
0.902	543.063	0.0140749	16.24	9.8	26.04	-0.278	0.399	3.910	4.849	-1.025
0.903	541.769	0.0130001	16.49	9.7	26.19	-0.322	0.355	4.101	4.870	-1.069
0.904	540.978	0.0119901	16.76	9.6	26.36	-0.309	0.310	4.277	4.894	-1.113
0.905	540.658	0.0110704	17.02	9.5	26.52	-0.249	0.269	4.435	4.914	-1.156
0.906	540.676	0.0102727	17.26	9.4	26.66	-0.154	0.235	4.576	4.937	-1.199
0.907	540.837	0.00963371	17.46	9.3	26.76	-0.045	0.202	4.699	4.957	-1.241
0.908	540.916	0.00919187	17.59	9.2	26.79	0.059	0.186	4.803	4.979	-1.283
0.909	540.708	0.00898022	17.65	9.1	26.75	0.139	0.175	4.889	4.998	-1.324
0.91	540.065	0.00901751	17.60	9	26.60	0.181	0.181	4.954	5.018	-1.364
0.911	538.923	0.00930205	17.46	8.9	26.36	0.177	0.199	5.001	5.036	-1.404
0.912	537.324	0.00981258	17.23	8.8	26.03	0.126	0.223	5.027	5.055	-1.444
0.913	535.411	0.0105156	16.92	8.7	25.62	0.034	0.260	5.034	5.072	-1.482
0.914	533.411	0.0113742	16.56	8.6	25.16	-0.085	0.293	5.020	5.089	-1.520
0.915	531.606	0.012354	16.18	8.5	24.68	-0.214	0.337	4.987	5.105	-1.557
0.916	530.292	0.0134262	15.79	8.4	24.19	-0.331	0.377	4.934	5.120	-1.594
0.917	529.731	0.0145674	15.42	8.3	23.72	-0.417	0.422	4.862	5.135	-1.630
0.918	530.108	0.0157593	15.08	8.2	23.28	-0.455	0.467	4.771	5.147	-1.665
0.919	531.495	0.0169874	14.78	8.1	22.88	-0.432	0.511	4.662	5.162	-1.699
0.92	533.821	0.0182402	14.52	8	22.52	-0.345	0.560	4.535	5.172	-1.732
0.921	536.864	0.0195084	14.30	7.9	22.20	-0.197	0.603	4.390	5.185	-1.765
0.922	540.263	0.0207844	14.08	7.8	21.88	-0.002	0.655	4.229	5.192	-1.797
0.923	543.54	0.0220617	13.86	7.7	21.56	0.222	0.698	4.052	5.204	-1.828
0.924	546.156	0.0233353	13.61	7.6	21.21	0.450	0.750	3.860	5.209	-1.858
0.925	547.57	0.0246008	13.30	7.5	20.80	0.654	0.795	3.653	5.218	-1.888
0.926	547.317	0.0258546	12.91	7.4	20.31	0.809	0.845	3.434	5.221	-1.916
0.927	545.075	0.027094	12.43	7.3	19.73	0.893	0.892	3.202	5.229	-1.944
0.928	540.731	0.0283169	11.85	7.2	19.05	0.888	0.940	2.959	5.229	-1.971
0.929	534.411	0.0295219	11.17	7.1	18.27	0.789	0.991	2.705	5.236	-1.996
0.93	526.488	0.0307078	10.42	7	17.42	0.599	1.036	2.443	5.233	-2.021
0.931	517.549	0.0318742	9.62	6.9	16.52	0.329	1.089	2.172	5.237	-2.045
0.932	508.347	0.0330207	8.82	6.8	15.62	0.002	1.132	1.895	5.232	-2.068
0.933	499.718	0.0341474	8.05	6.7	14.75	-0.352	1.185	1.612	5.235	-2.090
0.934	492.505	0.0352543	7.35	6.6	13.95	-0.699	1.228	1.325	5.226	-2.111
0.935	487.478	0.0363416	6.78	6.5	13.28	-1.005	1.279	1.034	5.227	-2.131
0.936	485.266	0.0374093	6.35	6.4	12.75	-1.236	1.323	0.741	5.216	-2.150
0.937	486.305	0.0384573	6.08	6.3	12.38	-1.366	1.369	0.446	5.215	-2.168
0.938	490.799	0.0394855	6.00	6.2	12.20	-1.375	1.414	0.152	5.202	-2.185
0.939	498.688	0.0404934	6.09	6.1	12.19	-1.256	1.454	-0.140	5.198	-2.201
0.94	509.638	0.0414804	6.34	6	12.34	-1.014	1.499	-0.431	5.182	-2.216
0.941	523.04	0.0424459	6.72	5.9	12.62	-0.665	1.534	-0.718	5.176	-2.230
0.942	538.027	0.043389	7.19	5.8	12.99	-0.239	1.577	-1.001	5.158	-2.243
0.943	553.522	0.0443087	7.69	5.7	13.39	0.230	1.606	-1.278	5.150	-2.254
0.944	568.314	0.0452041	8.16	5.6	13.76	0.697	1.645	-1.548	5.129	-2.265

Data Repository Item

0.945	581.162	0.0460742	8.54	5.5	14.04	1.121	1.672	-1.811	5.118	-2.274
0.946	590.923	0.0469181	8.78	5.4	14.18	1.460	1.705	-2.066	5.095	-2.283
0.947	596.675	0.047735	8.82	5.3	14.12	1.679	1.730	-2.312	5.083	-2.290
0.948	597.838	0.0485242	8.64	5.2	13.84	1.755	1.757	-2.548	5.057	-2.296
0.949	594.251	0.0492851	8.23	5.1	13.33	1.676	1.782	-2.773	5.042	-2.301
0.95	586.199	0.0500173	7.61	5	12.61	1.445	1.802	-2.987	5.015	-2.305
0.951	574.39	0.0507203	6.81	4.9	11.71	1.078	1.829	-3.189	4.997	-2.308
0.952	559.878	0.0513939	5.88	4.8	10.68	0.606	1.843	-3.378	4.968	-2.310
0.953	543.944	0.0520377	4.89	4.7	9.59	0.069	1.871	-3.555	4.948	-2.311
0.954	527.965	0.0526514	3.91	4.6	8.51	-0.487	1.883	-3.717	4.916	-2.310
0.955	513.283	0.0532345	3.00	4.5	7.50	-1.011	1.909	-3.866	4.894	-2.309
0.956	501.094	0.0537867	2.22	4.4	6.62	-1.456	1.922	-4.001	4.861	-2.306
0.957	492.361	0.0543072	1.63	4.3	5.93	-1.779	1.945	-4.121	4.836	-2.302
0.958	487.763	0.0547954	1.25	4.2	5.45	-1.948	1.962	-4.227	4.801	-2.298
0.959	487.658	0.0552505	1.11	4.1	5.21	-1.946	1.979	-4.317	4.773	-2.292
0.96	492.068	0.0556714	1.21	4	5.21	-1.769	1.999	-4.393	4.738	-2.284
0.961	500.665	0.0560572	1.52	3.9	5.42	-1.428	2.011	-4.454	4.707	-2.276
0.962	512.776	0.0564065	2.02	3.8	5.82	-0.953	2.034	-4.500	4.670	-2.267
0.963	527.401	0.0567184	2.66	3.7	6.36	-0.384	2.040	-4.531	4.637	-2.257
0.964	543.257	0.0569915	3.37	3.6	6.97	0.229	2.064	-4.548	4.599	-2.245
0.965	558.867	0.0572247	4.08	3.5	7.58	0.829	2.067	-4.550	4.564	-2.233
0.966	572.683	0.0574168	4.71	3.4	8.11	1.362	2.086	-4.538	4.525	-2.219
0.967	583.246	0.0575668	5.20	3.3	8.50	1.776	2.089	-4.512	4.486	-2.204
0.968	589.365	0.0576738	5.47	3.2	8.67	2.032	2.101	-4.473	4.447	-2.189
0.969	590.267	0.0577368	5.50	3.1	8.60	2.104	2.106	-4.420	4.406	-2.172
0.97	585.718	0.0577551	5.26	3	8.26	1.985	2.109	-4.355	4.366	-2.154
0.971	576.06	0.0577279	4.79	2.9	7.69	1.683	2.119	-4.277	4.322	-2.135
0.972	562.178	0.0576545	4.12	2.8	6.92	1.225	2.113	-4.188	4.281	-2.116
0.973	545.383	0.0575343	3.31	2.7	6.01	0.653	2.126	-4.088	4.235	-2.095
0.974	527.248	0.0573665	2.46	2.6	5.06	0.020	2.114	-3.977	4.195	-2.073
0.975	509.429	0.0571504	1.63	2.5	4.13	-0.616	2.127	-3.857	4.145	-2.050
0.976	493.489	0.0568854	0.91	2.4	3.31	-1.195	2.114	-3.727	4.105	-2.027
0.977	480.76	0.0565706	0.37	2.3	2.67	-1.663	2.123	-3.588	4.053	-2.002
0.978	472.259	0.0562052	0.06	2.2	2.26	-1.977	2.113	-3.442	4.013	-1.977
0.979	468.633	0.0557885	0.00	2.1	2.10	-2.107	2.112	-3.289	3.958	-1.951
0.98	470.144	0.0553197	0.22	2	2.22	-2.042	2.108	-3.129	3.919	-1.924
0.981	476.669	0.0547981	0.70	1.9	2.60	-1.788	2.092	-2.964	3.860	-1.896
0.982	487.709	0.0542232	1.42	1.8	3.22	-1.370	2.093	-2.793	3.824	-1.867
0.983	502.417	0.0535947	2.35	1.7	4.05	-0.828	2.062	-2.619	3.762	-1.837
0.984	519.64	0.0529123	3.41	1.6	5.01	-0.217	2.062	-2.441	3.727	-1.807
0.985	537.996	0.0521761	4.55	1.5	6.05	0.403	2.016	-2.261	3.661	-1.775
0.986	555.979	0.0513866	5.69	1.4	7.09	0.970	2.007	-2.078	3.630	-1.744
0.987	572.105	0.0505444	6.75	1.3	8.05	1.428	1.951	-1.895	3.560	-1.711
0.988	585.061	0.0496504	7.66	1.2	8.86	1.731	1.923	-1.711	3.532	-1.678
0.989	593.85	0.048706	8.39	1.1	9.49	1.850	1.864	-1.528	3.458	-1.644
0.99	597.895	0.0477124	8.89	1	9.89	1.779	1.806	-1.345	3.437	-1.609

Data Repository Item

0.991	597.097	0.0466713	9.16	0.9	10.06	1.531	1.754	-1.164	3.357	-1.574
0.992	591.823	0.0455845	9.22	0.8	10.02	1.139	1.660	-0.986	3.345	-1.538
0.993	582.834	0.0444538	9.11	0.7	9.81	0.652	1.621	-0.811	3.259	-1.502
0.994	571.17	0.0432813	8.88	0.6	9.48	0.129	1.495	-0.639	3.262	-1.465
0.995	558.017	0.0420691	8.59	0.5	9.09	-0.367	1.474	-0.472	3.167	-1.427
0.996	544.568	0.0408194	8.29	0.4	8.69	-0.784	1.336	-0.309	3.199	-1.389
0.997	531.909	0.0395345	8.04	0.3	8.34	-1.078	1.329	-0.152	3.091	-1.351
0.998	520.929	0.0382169	7.89	0.2	8.09	-1.225	1.240	0.000	3.195	-1.312
0.999	512.271	0.0368696	7.86	0.1	7.96	-1.222	1.231	0.145	3.062	-1.273
1	506.308	0.0354955	7.97	0	7.97	-1.084	1.543	0.284	3.558	-1.234

Data Repository Item**TABLE DR9.** TIME-DOMAIN OUTPUT OF MODEL RUN MILEx

Time (m.y. before run end)	Bulk resampled (vol% mud)	Bulk detrended (vol% mud)	~20 k.y. (vol% mud)	Demodulated ~20 k.y. (vol% mud)	~100 k.y. (vol% mud)	Demodulated ~100 k.y. (vol% mud)	~400 k.y. (vol% mud)
0.001	20.170	-10.858	-0.491	2.012	0.949	3.003	-5.418
0.002	19.711	-11.292	-1.517	2.386	0.873	2.616	-5.469
0.003	19.251	-11.726	-2.369	2.740	0.795	2.691	-5.520
0.004	18.792	-12.161	-2.930	2.969	0.713	2.598	-5.569
0.005	19.049	-11.877	-3.126	3.140	0.628	2.662	-5.617
0.006	19.307	-11.594	-2.939	3.249	0.540	2.624	-5.664
0.007	19.565	-11.311	-2.405	3.276	0.449	2.683	-5.710
0.008	20.258	-10.593	-1.607	3.269	0.355	2.668	-5.754
0.009	20.950	-9.875	-0.663	3.183	0.258	2.724	-5.797
0.01	21.643	-9.157	0.300	3.081	0.158	2.722	-5.838
0.011	22.248	-8.526	1.158	2.918	0.055	2.777	-5.878
0.012	22.854	-7.896	1.814	2.752	-0.051	2.784	-5.917
0.013	23.459	-7.265	2.203	2.554	-0.159	2.838	-5.954
0.014	23.387	-7.311	2.305	2.362	-0.270	2.852	-5.989
0.015	23.316	-7.357	2.135	2.170	-0.384	2.905	-6.023
0.016	23.245	-7.403	1.743	1.989	-0.500	2.924	-6.056
0.017	22.847	-7.776	1.197	1.837	-0.619	2.977	-6.086
0.018	22.449	-8.149	0.577	1.698	-0.740	3.001	-6.116
0.019	22.051	-8.521	-0.040	1.602	-0.863	3.054	-6.143
0.02	21.636	-8.911	-0.586	1.519	-0.988	3.081	-6.169
0.021	21.221	-9.301	-1.012	1.470	-1.116	3.134	-6.193
0.022	20.805	-9.690	-1.289	1.430	-1.245	3.165	-6.215
0.023	20.730	-9.741	-1.405	1.406	-1.376	3.219	-6.235
0.024	20.654	-9.791	-1.369	1.384	-1.509	3.253	-6.254
0.025	20.578	-9.841	-1.202	1.360	-1.643	3.307	-6.270
0.026	20.818	-9.576	-0.936	1.337	-1.779	3.344	-6.285
0.027	21.058	-9.311	-0.608	1.300	-1.915	3.398	-6.298
0.028	21.298	-9.046	-0.256	1.264	-2.052	3.438	-6.309
0.029	21.518	-8.800	0.086	1.211	-2.191	3.493	-6.319
0.03	21.738	-8.555	0.386	1.160	-2.329	3.535	-6.326
0.031	21.959	-8.309	0.623	1.094	-2.467	3.590	-6.331
0.032	21.856	-8.386	0.784	1.029	-2.606	3.634	-6.334
0.033	21.754	-8.463	0.862	0.956	-2.744	3.691	-6.336
0.034	21.652	-8.540	0.862	0.884	-2.881	3.737	-6.335
0.035	21.164	-9.002	0.794	0.811	-3.017	3.793	-6.333
0.036	20.676	-9.464	0.674	0.738	-3.152	3.841	-6.328
0.037	20.189	-9.927	0.522	0.671	-3.285	3.899	-6.322
0.038	19.454	-10.636	0.355	0.603	-3.415	3.948	-6.313
0.039	18.720	-11.345	0.193	0.547	-3.543	4.006	-6.302
0.04	17.985	-12.054	0.050	0.489	-3.668	4.057	-6.290
0.041	17.225	-12.790	-0.066	0.444	-3.790	4.115	-6.275
0.042	16.464	-13.525	-0.149	0.398	-3.908	4.168	-6.258
0.043	15.704	-14.260	-0.203	0.364	-4.021	4.226	-6.239
0.044	15.104	-14.834	-0.233	0.332	-4.130	4.280	-6.218
0.045	14.504	-15.409	-0.248	0.313	-4.233	4.338	-6.195
0.046	13.904	-15.983	-0.259	0.303	-4.331	4.394	-6.171
0.047	13.578	-16.284	-0.276	0.311	-4.423	4.452	-6.144
0.048	13.251	-16.586	-0.308	0.333	-4.508	4.508	-6.114
0.049	12.924	-16.887	-0.357	0.374	-4.586	4.566	-6.083
0.05	12.960	-16.826	-0.424	0.428	-4.656	4.623	-6.050
0.051	12.997	-16.764	-0.501	0.493	-4.718	4.681	-6.015
0.052	13.033	-16.703	-0.577	0.566	-4.772	4.739	-5.978
0.053	13.446	-16.264	-0.638	0.644	-4.816	4.797	-5.939
0.054	13.859	-15.825	-0.669	0.727	-4.851	4.855	-5.898
0.055	14.273	-15.387	-0.652	0.808	-4.876	4.913	-5.855

Data Repository Item

0.056	15.027	-14.607	-0.576	0.891	-4.891	4.971	-5.810
0.057	15.782	-13.827	-0.435	0.968	-4.895	5.028	-5.763
0.058	16.537	-13.046	-0.229	1.046	-4.888	5.087	-5.714
0.059	17.439	-12.119	0.034	1.114	-4.869	5.143	-5.663
0.06	18.341	-11.192	0.335	1.183	-4.838	5.202	-5.610
0.061	19.243	-10.264	0.649	1.242	-4.795	5.258	-5.555
0.062	19.898	-9.584	0.948	1.300	-4.739	5.317	-5.499
0.063	20.554	-8.903	1.197	1.350	-4.670	5.372	-5.440
0.064	21.209	-8.222	1.366	1.400	-4.588	5.430	-5.380
0.065	21.331	-8.074	1.428	1.448	-4.493	5.484	-5.318
0.066	21.454	-7.927	1.365	1.495	-4.384	5.543	-5.254
0.067	21.576	-7.779	1.170	1.546	-4.262	5.596	-5.188
0.068	21.280	-8.049	0.848	1.597	-4.125	5.653	-5.121
0.069	20.985	-8.319	0.421	1.656	-3.975	5.705	-5.052
0.07	20.689	-8.590	-0.082	1.717	-3.811	5.762	-4.981
0.071	20.459	-8.795	-0.618	1.787	-3.634	5.812	-4.909
0.072	20.229	-8.999	-1.138	1.860	-3.442	5.868	-4.835
0.073	19.998	-9.204	-1.593	1.942	-3.237	5.918	-4.759
0.074	20.285	-8.892	-1.936	2.026	-3.019	5.972	-4.682
0.075	20.572	-8.580	-2.126	2.115	-2.788	6.020	-4.603
0.076	20.859	-8.267	-2.136	2.207	-2.544	6.073	-4.523
0.077	21.854	-7.247	-1.953	2.299	-2.288	6.120	-4.441
0.078	22.849	-6.227	-1.580	2.394	-2.020	6.172	-4.358
0.079	23.843	-5.207	-1.040	2.487	-1.741	6.216	-4.273
0.08	25.155	-3.871	-0.368	2.582	-1.451	6.266	-4.187
0.081	26.466	-2.534	0.385	2.673	-1.151	6.309	-4.100
0.082	27.777	-1.198	1.157	2.766	-0.842	6.357	-4.011
0.083	28.406	-0.544	1.881	2.856	-0.524	6.399	-3.921
0.084	29.034	0.110	2.490	2.948	-0.198	6.445	-3.829
0.085	29.663	0.765	2.920	3.039	0.134	6.484	-3.737
0.086	29.277	0.403	3.118	3.131	0.472	6.528	-3.643
0.087	28.890	0.042	3.049	3.224	0.815	6.565	-3.548
0.088	28.503	-0.320	2.696	3.317	1.161	6.606	-3.452
0.089	27.365	-1.432	2.072	3.412	1.510	6.641	-3.355
0.09	26.228	-2.544	1.215	3.506	1.860	6.680	-3.257
0.091	25.090	-3.656	0.192	3.601	2.209	6.713	-3.158
0.092	23.966	-4.755	-0.909	3.693	2.558	6.750	-3.058
0.093	22.841	-5.855	-1.982	3.783	2.904	6.780	-2.957
0.094	21.716	-6.954	-2.918	3.865	3.246	6.814	-2.855
0.095	21.572	-7.073	-3.615	3.941	3.582	6.842	-2.752
0.096	21.428	-7.191	-3.992	4.006	3.912	6.873	-2.649
0.097	21.284	-7.310	-3.998	4.058	4.233	6.899	-2.544
0.098	22.812	-5.757	-3.624	4.095	4.545	6.927	-2.439
0.099	24.339	-4.205	-2.905	4.114	4.845	6.950	-2.333
0.1	25.866	-2.652	-1.912	4.115	5.133	6.976	-2.227
0.101	29.286	0.793	-0.749	4.095	5.406	6.996	-2.120
0.102	32.706	4.238	0.460	4.057	5.664	7.019	-2.012
0.103	36.125	7.683	1.594	3.997	5.905	7.038	-1.904
0.104	37.719	9.302	2.541	3.922	6.128	7.057	-1.795
0.105	39.313	10.922	3.216	3.828	6.332	7.073	-1.686
0.106	40.907	12.541	3.572	3.723	6.515	7.090	-1.576
0.107	41.006	12.665	3.594	3.606	6.676	7.104	-1.466
0.108	41.104	12.788	3.308	3.482	6.814	7.118	-1.356
0.109	41.202	12.912	2.766	3.356	6.928	7.130	-1.245
0.11	40.717	12.452	2.037	3.228	7.017	7.142	-1.134
0.111	40.232	11.992	1.201	3.106	7.081	7.151	-1.023
0.112	39.747	11.532	0.336	2.987	7.119	7.160	-0.911
0.113	38.863	10.675	-0.488	2.879	7.129	7.168	-0.799
0.114	37.980	9.817	-1.216	2.780	7.112	7.175	-0.688
0.115	37.097	8.959	-1.805	2.694	7.068	7.181	-0.576
0.116	36.143	8.031	-2.227	2.620	6.995	7.185	-0.464
0.117	35.190	7.102	-2.467	2.559	6.895	7.189	-0.352
0.118	34.236	6.174	-2.521	2.509	6.767	7.192	-0.239
0.119	34.192	6.155	-2.394	2.471	6.610	7.195	-0.127

Data Repository Item

0.12	34.147	6.136	-2.100	2.444	6.427	7.195	-0.015
0.121	34.103	6.117	-1.663	2.424	6.216	7.197	0.096
0.122	34.763	6.802	-1.111	2.412	5.979	7.196	0.208
0.123	35.423	7.487	-0.482	2.405	5.717	7.196	0.320
0.124	36.082	8.173	0.180	2.404	5.430	7.194	0.431
0.125	36.424	8.539	0.828	2.404	5.119	7.194	0.542
0.126	36.765	8.906	1.415	2.408	4.786	7.190	0.653
0.127	37.107	9.273	1.897	2.411	4.431	7.189	0.763
0.128	36.699	8.890	2.234	2.417	4.057	7.184	0.874
0.129	36.291	8.508	2.400	2.423	3.665	7.183	0.984
0.13	35.884	8.126	2.378	2.430	3.255	7.178	1.093
0.131	34.738	7.005	2.167	2.437	2.832	7.176	1.202
0.132	33.591	5.884	1.782	2.443	2.394	7.170	1.311
0.133	32.445	4.763	1.249	2.451	1.946	7.168	1.419
0.134	30.871	3.215	0.611	2.457	1.489	7.163	1.526
0.135	29.298	1.667	-0.083	2.465	1.024	7.161	1.634
0.136	27.724	0.118	-0.775	2.470	0.555	7.155	1.740
0.137	26.380	-1.200	-1.408	2.475	0.082	7.153	1.846
0.138	25.037	-2.518	-1.928	2.477	-0.391	7.147	1.951
0.139	23.693	-3.836	-2.291	2.476	-0.864	7.145	2.056
0.14	23.365	-4.139	-2.466	2.471	-1.332	7.140	2.160
0.141	23.037	-4.442	-2.439	2.461	-1.795	7.139	2.263
0.142	22.708	-4.745	-2.216	2.446	-2.250	7.134	2.366
0.143	23.553	-3.875	-1.820	2.422	-2.696	7.133	2.468
0.144	24.398	-3.005	-1.293	2.393	-3.129	7.129	2.569
0.145	25.243	-2.134	-0.684	2.353	-3.549	7.128	2.670
0.146	26.273	-1.080	-0.050	2.307	-3.953	7.124	2.769
0.147	27.302	-0.025	0.552	2.251	-4.339	7.124	2.868
0.148	28.332	1.030	1.073	2.188	-4.706	7.121	2.966
0.149	28.819	1.543	1.479	2.118	-5.052	7.120	3.063
0.15	29.307	2.056	1.747	2.042	-5.376	7.118	3.159
0.151	29.795	2.569	1.873	1.962	-5.676	7.118	3.254
0.152	29.466	2.266	1.866	1.879	-5.950	7.116	3.349
0.153	29.138	1.963	1.750	1.797	-6.199	7.116	3.442
0.154	28.809	1.660	1.551	1.717	-6.420	7.115	3.535
0.155	27.812	0.688	1.300	1.644	-6.613	7.115	3.626
0.156	26.815	-0.283	1.024	1.579	-6.777	7.115	3.717
0.157	25.818	-1.255	0.743	1.530	-6.912	7.115	3.806
0.158	24.536	-2.512	0.468	1.496	-7.017	7.114	3.895
0.159	23.254	-3.769	0.199	1.484	-7.092	7.114	3.982
0.16	21.972	-5.026	-0.069	1.494	-7.136	7.114	4.068
0.161	20.929	-6.043	-0.347	1.529	-7.151	7.114	4.154
0.162	19.887	-7.060	-0.644	1.587	-7.135	7.114	4.238
0.163	18.845	-8.077	-0.963	1.668	-7.090	7.113	4.321
0.164	18.414	-8.481	-1.298	1.768	-7.016	7.113	4.403
0.165	17.984	-8.886	-1.631	1.885	-6.913	7.112	4.484
0.166	17.554	-9.291	-1.932	2.014	-6.782	7.111	4.564
0.167	18.014	-8.806	-2.160	2.153	-6.624	7.109	4.643
0.168	18.474	-8.320	-2.271	2.298	-6.440	7.108	4.720
0.169	18.935	-7.834	-2.221	2.445	-6.231	7.105	4.796
0.17	20.369	-6.375	-1.981	2.592	-5.998	7.104	4.872
0.171	21.804	-4.915	-1.535	2.735	-5.743	7.100	4.946
0.172	23.238	-3.455	-0.894	2.873	-5.466	7.098	5.019
0.173	25.378	-1.290	-0.098	3.001	-5.170	7.094	5.090
0.174	27.518	0.875	0.790	3.121	-4.855	7.091	5.161
0.175	29.658	3.041	1.684	3.227	-4.524	7.085	5.230
0.176	31.324	4.732	2.485	3.322	-4.177	7.081	5.298
0.177	32.990	6.423	3.096	3.401	-3.817	7.075	5.365
0.178	34.656	8.115	3.433	3.467	-3.445	7.070	5.430
0.179	34.748	8.232	3.439	3.518	-3.062	7.062	5.494
0.18	34.840	8.349	3.095	3.554	-2.670	7.056	5.557
0.181	34.932	8.467	2.423	3.578	-2.272	7.047	5.619
0.182	34.078	7.638	1.488	3.588	-1.868	7.040	5.680
0.183	33.223	6.809	0.389	3.587	-1.461	7.031	5.739

Data Repository Item

0.184	32.369	5.980	-0.751	3.573	-1.051	7.023	5.797
0.185	31.400	5.036	-1.804	3.549	-0.641	7.012	5.854
0.186	30.431	4.093	-2.652	3.514	-0.231	7.002	5.909
0.187	29.462	3.149	-3.206	3.469	0.176	6.990	5.963
0.188	29.866	3.579	-3.414	3.415	0.579	6.980	6.016
0.189	30.271	4.008	-3.271	3.350	0.977	6.967	6.068
0.19	30.675	4.438	-2.811	3.276	1.369	6.956	6.118
0.191	32.742	6.531	-2.109	3.193	1.753	6.942	6.167
0.192	34.810	8.624	-1.258	3.103	2.128	6.931	6.215
0.193	36.878	10.717	-0.358	3.004	2.493	6.916	6.262
0.194	38.116	11.981	0.496	2.903	2.847	6.903	6.307
0.195	39.354	13.244	1.232	2.799	3.188	6.888	6.351
0.196	40.593	14.508	1.803	2.696	3.517	6.874	6.394
0.197	40.738	14.679	2.186	2.597	3.832	6.859	6.435
0.198	40.884	14.850	2.385	2.508	4.132	6.844	6.475
0.199	41.029	15.021	2.416	2.429	4.417	6.828	6.514
0.2	40.848	14.865	2.302	2.365	4.686	6.813	6.551
0.201	40.667	14.709	2.065	2.318	4.938	6.797	6.587
0.202	40.486	14.553	1.724	2.288	5.174	6.782	6.622
0.203	40.011	14.104	1.291	2.275	5.391	6.765	6.656
0.204	39.536	13.654	0.779	2.277	5.591	6.749	6.688
0.205	39.061	13.204	0.202	2.291	5.772	6.732	6.719
0.206	37.701	11.870	-0.413	2.312	5.935	6.717	6.749
0.207	36.341	10.535	-1.028	2.340	6.078	6.700	6.778
0.208	34.981	9.201	-1.593	2.368	6.203	6.684	6.805
0.209	33.803	8.048	-2.051	2.394	6.308	6.667	6.831
0.21	32.625	6.895	-2.347	2.414	6.394	6.651	6.856
0.211	31.447	5.742	-2.436	2.427	6.460	6.634	6.879
0.212	31.941	6.262	-2.297	2.430	6.507	6.618	6.901
0.213	32.436	6.783	-1.936	2.421	6.535	6.601	6.922
0.214	32.931	7.303	-1.386	2.400	6.543	6.585	6.942
0.215	34.528	8.925	-0.709	2.364	6.531	6.569	6.960
0.216	36.125	10.547	0.015	2.315	6.500	6.552	6.977
0.217	37.722	12.170	0.703	2.251	6.450	6.536	6.993
0.218	38.249	12.722	1.277	2.175	6.381	6.520	7.008
0.219	38.777	13.275	1.679	2.087	6.294	6.504	7.021
0.22	39.304	13.828	1.878	1.989	6.188	6.488	7.033
0.221	39.247	13.797	1.871	1.882	6.063	6.472	7.044
0.222	39.191	13.765	1.682	1.770	5.921	6.456	7.054
0.223	39.134	13.734	1.358	1.654	5.761	6.440	7.062
0.224	38.918	13.544	0.952	1.537	5.585	6.424	7.070
0.225	38.703	13.353	0.523	1.423	5.391	6.408	7.076
0.226	38.487	13.163	0.119	1.312	5.182	6.392	7.080
0.227	38.183	12.884	-0.225	1.208	4.956	6.377	7.084
0.228	37.878	12.605	-0.491	1.113	4.716	6.360	7.086
0.229	37.574	12.326	-0.676	1.030	4.462	6.345	7.088
0.23	37.226	12.003	-0.790	0.960	4.194	6.328	7.088
0.231	36.878	11.681	-0.848	0.906	3.913	6.313	7.087
0.232	36.530	11.358	-0.867	0.868	3.620	6.296	7.084
0.233	36.306	11.159	-0.860	0.849	3.315	6.280	7.081
0.234	36.082	10.961	-0.834	0.848	3.000	6.263	7.076
0.235	35.858	10.762	-0.787	0.864	2.676	6.247	7.070
0.236	35.963	10.892	-0.712	0.896	2.343	6.230	7.063
0.237	36.068	11.023	-0.599	0.940	2.003	6.214	7.055
0.238	36.174	11.154	-0.437	0.996	1.656	6.196	7.046
0.239	36.104	11.109	-0.220	1.059	1.304	6.180	7.035
0.24	36.034	11.065	0.048	1.128	0.948	6.162	7.024
0.241	35.964	11.020	0.356	1.199	0.589	6.145	7.011
0.242	35.738	10.820	0.681	1.273	0.229	6.127	6.997
0.243	35.513	10.620	0.994	1.344	-0.132	6.110	6.982
0.244	35.287	10.420	1.260	1.413	-0.492	6.091	6.966
0.245	34.692	9.850	1.444	1.478	-0.850	6.074	6.949
0.246	34.097	9.280	1.517	1.537	-1.204	6.055	6.930
0.247	33.502	8.710	1.461	1.590	-1.553	6.037	6.911

Data Repository Item

0.248	31.978	7.212	1.269	1.635	-1.896	6.018	6.890
0.249	30.455	5.714	0.954	1.673	-2.232	6.000	6.869
0.25	28.931	4.215	0.539	1.701	-2.558	5.981	6.846
0.251	27.319	2.629	0.065	1.722	-2.874	5.962	6.822
0.252	25.708	1.043	-0.425	1.733	-3.179	5.943	6.797
0.253	24.096	-0.544	-0.882	1.736	-3.472	5.924	6.771
0.254	23.077	-1.538	-1.263	1.730	-3.750	5.904	6.744
0.255	22.057	-2.532	-1.532	1.716	-4.013	5.886	6.716
0.256	21.038	-3.526	-1.671	1.694	-4.260	5.866	6.687
0.257	20.941	-3.597	-1.672	1.665	-4.490	5.847	6.656
0.258	20.844	-3.668	-1.545	1.629	-4.702	5.827	6.625
0.259	20.748	-3.740	-1.313	1.588	-4.895	5.808	6.593
0.26	21.293	-3.169	-1.004	1.543	-5.068	5.788	6.559
0.261	21.839	-2.598	-0.653	1.494	-5.221	5.769	6.525
0.262	22.384	-2.028	-0.292	1.445	-5.352	5.749	6.489
0.263	23.077	-1.309	0.052	1.395	-5.461	5.730	6.453
0.264	23.771	-0.590	0.359	1.348	-5.549	5.711	6.416
0.265	24.464	0.129	0.618	1.306	-5.614	5.692	6.377
0.266	25.013	0.703	0.827	1.272	-5.656	5.673	6.337
0.267	25.562	1.277	0.988	1.246	-5.675	5.654	6.297
0.268	26.111	1.851	1.107	1.232	-5.672	5.635	6.255
0.269	26.218	1.984	1.187	1.230	-5.646	5.617	6.213
0.27	26.325	2.116	1.231	1.242	-5.597	5.598	6.169
0.271	26.432	2.249	1.234	1.268	-5.526	5.580	6.125
0.272	26.120	1.962	1.190	1.306	-5.433	5.562	6.079
0.273	25.809	1.676	1.086	1.355	-5.319	5.544	6.033
0.274	25.497	1.390	0.911	1.414	-5.184	5.527	5.986
0.275	24.937	0.855	0.656	1.480	-5.029	5.509	5.937
0.276	24.378	0.321	0.322	1.553	-4.855	5.492	5.888
0.277	23.818	-0.213	-0.083	1.630	-4.662	5.475	5.838
0.278	23.269	-0.737	-0.535	1.709	-4.452	5.458	5.786
0.279	22.720	-1.260	-0.999	1.789	-4.226	5.442	5.734
0.28	22.171	-1.784	-1.433	1.870	-3.985	5.426	5.681
0.281	22.139	-1.791	-1.788	1.949	-3.729	5.409	5.627
0.282	22.106	-1.799	-2.017	2.024	-3.461	5.394	5.572
0.283	22.073	-1.806	-2.083	2.096	-3.180	5.378	5.516
0.284	22.903	-0.951	-1.961	2.163	-2.890	5.363	5.460
0.285	23.733	-0.095	-1.649	2.224	-2.590	5.348	5.402
0.286	24.563	0.760	-1.165	2.277	-2.283	5.333	5.344
0.287	26.323	2.546	-0.549	2.323	-1.969	5.318	5.284
0.288	28.084	4.331	0.143	2.359	-1.650	5.304	5.224
0.289	29.844	6.117	0.841	2.386	-1.327	5.290	5.163
0.29	30.897	7.196	1.475	2.405	-1.002	5.276	5.101
0.291	31.950	8.274	1.977	2.413	-0.676	5.262	5.038
0.292	33.004	9.353	2.294	2.412	-0.350	5.249	4.974
0.293	33.046	9.421	2.390	2.401	-0.026	5.235	4.910
0.294	33.089	9.488	2.255	2.382	0.296	5.222	4.845
0.295	33.131	9.556	1.903	2.355	0.613	5.209	4.778
0.296	32.737	9.187	1.373	2.321	0.926	5.196	4.711
0.297	32.342	8.818	0.721	2.281	1.232	5.183	4.644
0.298	31.948	8.449	0.018	2.235	1.531	5.171	4.575
0.299	31.138	7.664	-0.663	2.184	1.822	5.158	4.506
0.3	30.328	6.879	-1.249	2.129	2.104	5.146	4.436
0.301	29.518	6.095	-1.682	2.071	2.375	5.134	4.365
0.302	29.072	5.675	-1.924	2.009	2.636	5.122	4.293
0.303	28.627	5.255	-1.956	1.945	2.885	5.110	4.221
0.304	28.181	4.835	-1.788	1.878	3.121	5.098	4.148
0.305	28.949	5.628	-1.451	1.808	3.345	5.086	4.075
0.306	29.717	6.421	-0.994	1.735	3.555	5.075	4.000
0.307	30.484	7.214	-0.476	1.660	3.751	5.063	3.925
0.308	31.141	7.896	0.039	1.582	3.932	5.052	3.849
0.309	31.798	8.578	0.497	1.501	4.098	5.040	3.773
0.31	32.455	9.261	0.852	1.417	4.249	5.029	3.696
0.311	32.489	9.320	1.081	1.331	4.385	5.018	3.618

Data Repository Item

0.312	32.524	9.380	1.175	1.245	4.504	5.007	3.540
0.313	32.558	9.439	1.146	1.157	4.608	4.996	3.461
0.314	32.444	9.351	1.017	1.071	4.695	4.985	3.382
0.315	32.331	9.263	0.819	0.986	4.767	4.974	3.302
0.316	32.218	9.175	0.587	0.905	4.822	4.963	3.222
0.317	31.958	8.941	0.350	0.829	4.860	4.952	3.141
0.318	31.699	8.707	0.130	0.758	4.883	4.941	3.059
0.319	31.439	8.473	-0.058	0.696	4.890	4.929	2.977
0.32	31.106	8.165	-0.210	0.641	4.880	4.918	2.895
0.321	30.774	7.858	-0.326	0.596	4.855	4.907	2.812
0.322	30.441	7.550	-0.410	0.560	4.814	4.896	2.729
0.323	30.074	7.209	-0.468	0.534	4.758	4.884	2.645
0.324	29.708	6.868	-0.503	0.516	4.687	4.872	2.561
0.325	29.341	6.527	-0.516	0.505	4.600	4.861	2.476
0.326	29.036	6.247	-0.505	0.501	4.500	4.848	2.391
0.327	28.730	5.967	-0.469	0.502	4.385	4.836	2.306
0.328	28.425	5.687	-0.404	0.507	4.257	4.824	2.221
0.329	28.587	5.874	-0.310	0.514	4.115	4.811	2.135
0.33	28.749	6.061	-0.189	0.524	3.961	4.798	2.049
0.331	28.911	6.249	-0.049	0.533	3.794	4.784	1.963
0.332	28.900	6.263	0.102	0.544	3.616	4.770	1.876
0.333	28.888	6.277	0.251	0.553	3.426	4.756	1.790
0.334	28.877	6.291	0.384	0.562	3.226	4.740	1.703
0.335	28.738	6.178	0.489	0.571	3.016	4.725	1.616
0.336	28.600	6.064	0.554	0.578	2.797	4.709	1.529
0.337	28.461	5.951	0.572	0.585	2.569	4.693	1.441
0.338	28.203	5.718	0.538	0.591	2.334	4.675	1.354
0.339	27.945	5.485	0.454	0.597	2.091	4.657	1.267
0.34	27.686	5.252	0.325	0.603	1.843	4.638	1.179
0.341	27.335	4.926	0.161	0.610	1.589	4.619	1.092
0.342	26.984	4.600	-0.025	0.618	1.330	4.598	1.005
0.343	26.633	4.275	-0.216	0.627	1.069	4.577	0.918
0.344	26.227	3.894	-0.395	0.637	0.805	4.554	0.830
0.345	25.822	3.514	-0.544	0.650	0.539	4.531	0.743
0.346	25.416	3.134	-0.647	0.664	0.273	4.507	0.657
0.347	25.231	2.974	-0.691	0.680	0.008	4.482	0.570
0.348	25.045	2.814	-0.669	0.698	-0.256	4.455	0.483
0.349	24.859	2.653	-0.579	0.716	-0.517	4.428	0.397
0.35	24.898	2.718	-0.428	0.735	-0.774	4.399	0.311
0.351	24.937	2.782	-0.227	0.754	-1.026	4.369	0.225
0.352	24.977	2.847	0.004	0.772	-1.272	4.338	0.140
0.353	24.839	2.735	0.243	0.787	-1.511	4.306	0.055
0.354	24.702	2.623	0.463	0.800	-1.741	4.272	-0.030
0.355	24.564	2.510	0.643	0.810	-1.963	4.238	-0.115
0.356	24.163	2.135	0.761	0.815	-2.174	4.201	-0.199
0.357	23.763	1.760	0.805	0.817	-2.373	4.164	-0.282
0.358	23.362	1.384	0.769	0.813	-2.560	4.125	-0.365
0.359	22.597	0.644	0.657	0.805	-2.734	4.085	-0.448
0.36	21.832	-0.095	0.481	0.791	-2.894	4.044	-0.530
0.361	21.066	-0.835	0.261	0.773	-3.039	4.001	-0.611
0.362	20.067	-1.809	0.022	0.750	-3.168	3.957	-0.692
0.363	19.068	-2.783	-0.208	0.722	-3.281	3.912	-0.772
0.364	18.069	-3.757	-0.403	0.691	-3.377	3.865	-0.852
0.365	17.286	-4.514	-0.541	0.658	-3.455	3.818	-0.931
0.366	16.503	-5.272	-0.607	0.622	-3.515	3.768	-1.009
0.367	15.720	-6.029	-0.595	0.585	-3.557	3.718	-1.086
0.368	15.263	-6.461	-0.509	0.549	-3.581	3.667	-1.163
0.369	14.806	-6.893	-0.361	0.516	-3.585	3.614	-1.239
0.37	14.348	-7.325	-0.173	0.487	-3.571	3.561	-1.314
0.371	14.089	-7.559	0.030	0.464	-3.539	3.507	-1.388
0.372	13.830	-7.793	0.218	0.452	-3.488	3.451	-1.462
0.373	13.571	-8.026	0.365	0.450	-3.418	3.395	-1.534
0.374	13.420	-8.152	0.447	0.462	-3.331	3.338	-1.606
0.375	13.268	-8.278	0.450	0.486	-3.227	3.281	-1.677

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0.376	13.117	-8.404	0.369	0.522	-3.107	3.223	-1.746
0.377	13.087	-8.409	0.210	0.567	-2.971	3.164	-1.815
0.378	13.057	-8.414	-0.008	0.619	-2.819	3.105	-1.883
0.379	13.027	-8.419	-0.258	0.677	-2.654	3.046	-1.949
0.38	13.227	-8.193	-0.508	0.738	-2.476	2.987	-2.015
0.381	13.428	-7.967	-0.721	0.800	-2.286	2.928	-2.080
0.382	13.628	-7.741	-0.865	0.861	-2.086	2.870	-2.143
0.383	14.217	-7.127	-0.914	0.921	-1.876	2.812	-2.205
0.384	14.805	-6.513	-0.854	0.977	-1.659	2.754	-2.266
0.385	15.394	-5.900	-0.685	1.029	-1.435	2.698	-2.326
0.386	16.338	-4.929	-0.421	1.075	-1.206	2.642	-2.385
0.387	17.283	-3.959	-0.090	1.114	-0.974	2.588	-2.443
0.388	18.228	-2.989	0.270	1.145	-0.740	2.535	-2.499
0.389	19.178	-2.013	0.615	1.168	-0.505	2.484	-2.554
0.39	20.129	-1.037	0.903	1.183	-0.272	2.436	-2.608
0.391	21.080	-0.061	1.098	1.189	-0.042	2.389	-2.661
0.392	21.270	0.154	1.174	1.187	0.183	2.345	-2.712
0.393	21.461	0.370	1.122	1.177	0.403	2.304	-2.762
0.394	21.651	0.586	0.949	1.159	0.615	2.267	-2.811
0.395	21.373	0.334	0.677	1.136	0.818	2.232	-2.858
0.396	21.096	0.081	0.340	1.108	1.011	2.202	-2.904
0.397	20.818	-0.171	-0.022	1.077	1.192	2.175	-2.948
0.398	20.496	-0.467	-0.364	1.043	1.359	2.153	-2.991
0.399	20.175	-0.763	-0.649	1.009	1.513	2.135	-3.033
0.4	19.853	-1.060	-0.846	0.976	1.651	2.122	-3.074
0.401	19.717	-1.171	-0.938	0.945	1.773	2.114	-3.113
0.402	19.580	-1.282	-0.918	0.917	1.877	2.110	-3.150
0.403	19.444	-1.393	-0.796	0.892	1.964	2.111	-3.186
0.404	19.440	-1.372	-0.591	0.872	2.031	2.118	-3.221
0.405	19.436	-1.350	-0.329	0.855	2.080	2.129	-3.254
0.406	19.432	-1.328	-0.042	0.843	2.108	2.145	-3.286
0.407	19.331	-1.404	0.238	0.834	2.117	2.166	-3.316
0.408	19.230	-1.480	0.483	0.827	2.106	2.191	-3.345
0.409	19.128	-1.556	0.670	0.823	2.074	2.221	-3.372
0.41	18.792	-1.867	0.781	0.821	2.023	2.255	-3.398
0.411	18.456	-2.179	0.808	0.821	1.952	2.293	-3.423
0.412	18.119	-2.490	0.751	0.821	1.861	2.334	-3.446
0.413	17.602	-2.981	0.616	0.822	1.751	2.379	-3.467
0.414	17.085	-3.473	0.419	0.823	1.624	2.427	-3.487
0.415	16.568	-3.965	0.179	0.825	1.478	2.478	-3.506
0.416	16.029	-4.478	-0.081	0.827	1.317	2.531	-3.523
0.417	15.491	-4.991	-0.335	0.830	1.139	2.587	-3.538
0.418	14.952	-5.505	-0.559	0.832	0.947	2.644	-3.552
0.419	14.587	-5.844	-0.729	0.834	0.742	2.704	-3.565
0.42	14.223	-6.183	-0.828	0.836	0.525	2.765	-3.576
0.421	13.858	-6.523	-0.845	0.838	0.297	2.828	-3.586
0.422	13.895	-6.460	-0.776	0.839	0.059	2.891	-3.594
0.423	13.932	-6.398	-0.628	0.839	-0.186	2.956	-3.601
0.424	13.969	-6.336	-0.416	0.838	-0.437	3.022	-3.606
0.425	14.235	-6.045	-0.162	0.835	-0.693	3.088	-3.610
0.426	14.500	-5.753	0.106	0.831	-0.952	3.155	-3.612
0.427	14.766	-5.462	0.359	0.824	-1.213	3.222	-3.613
0.428	14.935	-5.268	0.570	0.816	-1.473	3.289	-3.613
0.429	15.104	-5.074	0.713	0.805	-1.732	3.357	-3.611
0.43	15.273	-4.880	0.776	0.793	-1.987	3.424	-3.608
0.431	15.108	-5.019	0.750	0.778	-2.236	3.492	-3.603
0.432	14.943	-5.158	0.640	0.763	-2.479	3.559	-3.597
0.433	14.779	-5.298	0.460	0.747	-2.714	3.626	-3.590
0.434	14.480	-5.571	0.232	0.731	-2.938	3.692	-3.581
0.435	14.182	-5.844	-0.017	0.715	-3.152	3.759	-3.571
0.436	13.883	-6.117	-0.258	0.701	-3.352	3.824	-3.560
0.437	13.648	-6.327	-0.464	0.690	-3.539	3.889	-3.547
0.438	13.414	-6.536	-0.611	0.682	-3.710	3.953	-3.533
0.439	13.179	-6.746	-0.684	0.679	-3.865	4.017	-3.518

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0.44	13.143	-6.756	-0.674	0.680	-4.002	4.080	-3.501
0.441	13.107	-6.766	-0.581	0.685	-4.121	4.142	-3.484
0.442	13.071	-6.777	-0.418	0.696	-4.220	4.203	-3.465
0.443	13.146	-6.677	-0.199	0.712	-4.299	4.264	-3.445
0.444	13.221	-6.576	0.050	0.733	-4.357	4.323	-3.423
0.445	13.296	-6.476	0.305	0.757	-4.393	4.382	-3.401
0.446	13.273	-6.474	0.538	0.786	-4.408	4.439	-3.377
0.447	13.249	-6.472	0.723	0.819	-4.400	4.496	-3.352
0.448	13.226	-6.471	0.838	0.856	-4.371	4.552	-3.326
0.449	13.009	-6.662	0.866	0.895	-4.318	4.606	-3.299
0.45	12.793	-6.853	0.798	0.938	-4.243	4.660	-3.271
0.451	12.576	-7.044	0.636	0.984	-4.146	4.712	-3.242
0.452	12.319	-7.276	0.387	1.033	-4.027	4.764	-3.212
0.453	12.062	-7.508	0.070	1.085	-3.887	4.814	-3.181
0.454	11.804	-7.740	-0.287	1.139	-3.725	4.863	-3.149
0.455	11.779	-7.740	-0.650	1.196	-3.543	4.911	-3.115
0.456	11.753	-7.740	-0.979	1.255	-3.341	4.958	-3.081
0.457	11.728	-7.740	-1.236	1.315	-3.120	5.004	-3.046
0.458	12.158	-7.285	-1.385	1.375	-2.881	5.049	-3.010
0.459	12.587	-6.830	-1.397	1.436	-2.626	5.093	-2.974
0.46	13.017	-6.375	-1.259	1.496	-2.354	5.136	-2.936
0.461	13.950	-5.416	-0.971	1.555	-2.068	5.177	-2.897
0.462	14.884	-4.458	-0.553	1.610	-1.768	5.218	-2.858
0.463	15.817	-3.499	-0.045	1.663	-1.457	5.257	-2.818
0.464	16.963	-2.327	0.502	1.711	-1.135	5.296	-2.777
0.465	18.109	-1.156	1.024	1.754	-0.803	5.333	-2.735
0.466	19.255	0.016	1.457	1.792	-0.464	5.370	-2.693
0.467	19.939	0.724	1.742	1.825	-0.119	5.405	-2.649
0.468	20.622	1.433	1.838	1.851	0.231	5.439	-2.606
0.469	21.305	2.142	1.722	1.873	0.583	5.472	-2.561
0.47	21.150	2.012	1.402	1.889	0.937	5.504	-2.516
0.471	20.994	1.881	0.910	1.900	1.290	5.536	-2.470
0.472	20.839	1.751	0.302	1.908	1.642	5.566	-2.424
0.473	20.399	1.336	-0.349	1.912	1.989	5.595	-2.377
0.474	19.958	0.921	-0.963	1.914	2.331	5.624	-2.329
0.475	19.518	0.506	-1.466	1.913	2.666	5.651	-2.281
0.476	19.631	0.644	-1.797	1.911	2.993	5.677	-2.233
0.477	19.744	0.783	-1.918	1.908	3.309	5.703	-2.184
0.478	19.857	0.921	-1.820	1.902	3.614	5.728	-2.134
0.479	20.985	2.075	-1.520	1.896	3.905	5.751	-2.085
0.48	22.114	3.229	-1.058	1.887	4.182	5.774	-2.034
0.481	23.243	4.384	-0.493	1.876	4.443	5.797	-1.983
0.482	24.013	5.179	0.108	1.862	4.687	5.818	-1.932
0.483	24.783	5.974	0.680	1.845	4.913	5.838	-1.881
0.484	25.552	6.769	1.165	1.827	5.118	5.858	-1.829
0.485	25.634	6.876	1.518	1.805	5.303	5.877	-1.777
0.486	25.716	6.984	1.714	1.782	5.467	5.895	-1.725
0.487	25.798	7.091	1.743	1.757	5.608	5.913	-1.672
0.488	25.513	6.831	1.614	1.731	5.725	5.930	-1.619
0.489	25.228	6.572	1.347	1.705	5.819	5.946	-1.566
0.49	24.943	6.312	0.972	1.679	5.888	5.961	-1.512
0.491	24.361	5.755	0.526	1.654	5.933	5.976	-1.459
0.492	23.779	5.199	0.049	1.630	5.952	5.990	-1.405
0.493	23.197	4.642	-0.421	1.608	5.946	6.004	-1.351
0.494	22.445	3.915	-0.844	1.588	5.914	6.016	-1.297
0.495	21.693	3.188	-1.188	1.570	5.856	6.029	-1.243
0.496	20.941	2.461	-1.425	1.553	5.773	6.041	-1.189
0.497	20.693	2.239	-1.536	1.537	5.665	6.052	-1.135
0.498	20.445	2.016	-1.512	1.523	5.533	6.062	-1.080
0.499	20.197	1.794	-1.355	1.508	5.375	6.073	-1.026
0.5	20.689	2.311	-1.080	1.494	5.194	6.082	-0.972
0.501	21.181	2.829	-0.714	1.479	4.991	6.092	-0.917
0.502	21.674	3.346	-0.291	1.462	4.764	6.100	-0.863
0.503	22.149	3.847	0.148	1.443	4.517	6.109	-0.808

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0.504	22.624	4.348	0.559	1.422	4.249	6.117	-0.754
0.505	23.100	4.849	0.905	1.397	3.962	6.124	-0.700
0.506	23.163	4.937	1.154	1.370	3.658	6.131	-0.646
0.507	23.225	5.025	1.285	1.338	3.336	6.138	-0.592
0.508	23.288	5.113	1.290	1.303	3.000	6.144	-0.538
0.509	22.871	4.721	1.176	1.265	2.650	6.150	-0.484
0.51	22.454	4.330	0.960	1.223	2.287	6.156	-0.430
0.511	22.037	3.938	0.669	1.178	1.914	6.161	-0.377
0.512	21.310	3.236	0.337	1.131	1.532	6.166	-0.323
0.513	20.582	2.534	-0.002	1.082	1.142	6.170	-0.270
0.514	19.855	1.832	-0.314	1.032	0.747	6.175	-0.217
0.515	19.124	1.126	-0.570	0.982	0.348	6.179	-0.164
0.516	18.392	0.420	-0.750	0.932	-0.054	6.182	-0.112
0.517	17.660	-0.287	-0.843	0.883	-0.455	6.186	-0.060
0.518	17.158	-0.763	-0.846	0.835	-0.855	6.189	-0.007
0.519	16.657	-1.240	-0.767	0.789	-1.252	6.192	0.044
0.52	16.155	-1.716	-0.620	0.745	-1.644	6.194	0.096
0.521	15.877	-1.968	-0.427	0.704	-2.030	6.196	0.147
0.522	15.599	-2.221	-0.211	0.665	-2.406	6.198	0.198
0.523	15.322	-2.473	0.003	0.628	-2.773	6.200	0.248
0.524	15.063	-2.706	0.192	0.592	-3.128	6.202	0.299
0.525	14.805	-2.939	0.339	0.557	-3.470	6.203	0.348
0.526	14.547	-3.171	0.432	0.523	-3.798	6.204	0.398
0.527	14.163	-3.531	0.464	0.488	-4.109	6.205	0.447
0.528	13.778	-3.890	0.439	0.453	-4.403	6.205	0.496
0.529	13.394	-4.249	0.366	0.416	-4.678	6.205	0.544
0.53	12.929	-4.689	0.259	0.377	-4.934	6.205	0.592
0.531	12.464	-5.128	0.136	0.336	-5.168	6.205	0.640
0.532	11.999	-5.568	0.017	0.291	-5.381	6.204	0.687
0.533	11.586	-5.955	-0.079	0.245	-5.571	6.203	0.734
0.534	11.173	-6.343	-0.138	0.196	-5.738	6.202	0.780
0.535	10.760	-6.730	-0.151	0.149	-5.881	6.201	0.826
0.536	10.488	-6.977	-0.117	0.112	-6.000	6.199	0.872
0.537	10.216	-7.224	-0.041	0.105	-6.094	6.197	0.917
0.538	9.944	-7.470	0.062	0.141	-6.162	6.194	0.961
0.539	9.824	-7.565	0.172	0.203	-6.206	6.192	1.005
0.54	9.704	-7.659	0.266	0.278	-6.224	6.189	1.049
0.541	9.585	-7.754	0.320	0.360	-6.217	6.185	1.092
0.542	9.601	-7.712	0.314	0.450	-6.185	6.182	1.134
0.543	9.617	-7.670	0.234	0.544	-6.129	6.178	1.176
0.544	9.634	-7.629	0.077	0.643	-6.048	6.173	1.218
0.545	9.827	-7.410	-0.150	0.746	-5.943	6.169	1.259
0.546	10.020	-7.192	-0.424	0.853	-5.816	6.163	1.299
0.547	10.213	-6.973	-0.715	0.962	-5.666	6.158	1.339
0.548	10.722	-6.439	-0.984	1.074	-5.495	6.152	1.379
0.549	11.231	-5.905	-1.189	1.187	-5.304	6.146	1.417
0.55	11.740	-5.371	-1.291	1.301	-5.092	6.140	1.456
0.551	12.692	-4.392	-1.258	1.414	-4.863	6.133	1.494
0.552	13.645	-3.414	-1.076	1.526	-4.616	6.126	1.531
0.553	14.598	-2.436	-0.745	1.636	-4.352	6.118	1.567
0.554	15.963	-1.046	-0.287	1.742	-4.074	6.110	1.603
0.555	17.327	0.344	0.260	1.844	-3.782	6.102	1.639
0.556	18.692	1.734	0.840	1.940	-3.478	6.093	1.674
0.557	19.587	2.655	1.390	2.031	-3.162	6.084	1.708
0.558	20.483	3.576	1.842	2.114	-2.838	6.074	1.741
0.559	21.379	4.497	2.138	2.190	-2.504	6.065	1.775
0.56	21.278	4.421	2.231	2.258	-2.164	6.054	1.807
0.561	21.178	4.346	2.099	2.317	-1.819	6.044	1.839
0.562	21.077	4.271	1.741	2.368	-1.469	6.033	1.870
0.563	20.376	3.595	1.187	2.410	-1.117	6.022	1.901
0.564	19.674	2.918	0.489	2.444	-0.763	6.010	1.931
0.565	18.972	2.242	-0.280	2.470	-0.409	5.998	1.960
0.566	18.236	1.532	-1.038	2.487	-0.057	5.986	1.989
0.567	17.500	0.821	-1.700	2.496	0.293	5.974	2.017

Data Repository Item

0.568	16.765	0.111	-2.192	2.498	0.640	5.961	2.044
0.569	16.731	0.103	-2.458	2.492	0.981	5.948	2.071
0.57	16.698	0.095	-2.470	2.479	1.316	5.934	2.098
0.571	16.665	0.087	-2.228	2.459	1.644	5.921	2.123
0.572	17.888	1.335	-1.764	2.431	1.964	5.907	2.148
0.573	19.111	2.584	-1.134	2.397	2.274	5.893	2.172
0.574	20.334	3.833	-0.411	2.356	2.575	5.879	2.196
0.575	21.757	5.280	0.323	2.309	2.864	5.864	2.219
0.576	23.179	6.728	0.989	2.255	3.142	5.850	2.242
0.577	24.602	8.176	1.520	2.195	3.407	5.835	2.263
0.578	24.862	8.462	1.870	2.130	3.659	5.820	2.284
0.579	25.123	8.748	2.015	2.059	3.897	5.805	2.305
0.58	25.383	9.033	1.957	1.985	4.120	5.790	2.325
0.581	25.246	8.921	1.718	1.908	4.329	5.775	2.344
0.582	25.108	8.809	1.338	1.828	4.521	5.759	2.362
0.583	24.971	8.697	0.867	1.747	4.699	5.744	2.380
0.584	24.695	8.447	0.359	1.667	4.859	5.728	2.397
0.585	24.420	8.197	-0.134	1.587	5.004	5.713	2.414
0.586	24.145	7.947	-0.569	1.509	5.131	5.697	2.430
0.587	23.635	7.463	-0.912	1.434	5.242	5.681	2.445
0.588	23.126	6.979	-1.143	1.363	5.336	5.666	2.460
0.589	22.616	6.494	-1.252	1.295	5.412	5.650	2.474
0.59	22.449	6.352	-1.243	1.232	5.471	5.634	2.487
0.591	22.281	6.210	-1.129	1.172	5.513	5.619	2.500
0.592	22.114	6.068	-0.930	1.117	5.537	5.603	2.512
0.593	22.580	6.560	-0.673	1.066	5.544	5.587	2.523
0.594	23.046	7.051	-0.384	1.018	5.534	5.571	2.534
0.595	23.512	7.542	-0.092	0.974	5.507	5.556	2.544
0.596	23.685	7.741	0.179	0.933	5.464	5.540	2.554
0.597	23.859	7.940	0.409	0.895	5.403	5.524	2.562
0.598	24.033	8.140	0.586	0.859	5.327	5.508	2.571
0.599	24.065	8.197	0.702	0.825	5.234	5.492	2.578
0.6	24.096	8.254	0.757	0.794	5.126	5.477	2.585
0.601	24.128	8.311	0.754	0.765	5.003	5.461	2.592
0.602	23.940	8.147	0.701	0.739	4.864	5.445	2.597
0.603	23.751	7.984	0.607	0.716	4.711	5.429	2.602
0.604	23.562	7.821	0.482	0.697	4.544	5.413	2.607
0.605	23.208	7.492	0.335	0.681	4.363	5.397	2.611
0.606	22.853	7.163	0.173	0.668	4.170	5.381	2.614
0.607	22.499	6.833	0.004	0.660	3.964	5.364	2.617
0.608	22.122	6.482	-0.165	0.655	3.746	5.348	2.619
0.609	21.745	6.130	-0.326	0.653	3.517	5.331	2.620
0.61	21.368	5.778	-0.468	0.655	3.277	5.315	2.621
0.611	20.998	5.434	-0.583	0.659	3.028	5.298	2.621
0.612	20.629	5.091	-0.658	0.666	2.770	5.281	2.621
0.613	20.260	4.747	-0.685	0.675	2.503	5.263	2.620
0.614	20.167	4.679	-0.657	0.686	2.229	5.246	2.618
0.615	20.074	4.611	-0.570	0.698	1.949	5.228	2.616
0.616	19.980	4.543	-0.429	0.710	1.663	5.211	2.614
0.617	20.107	4.695	-0.243	0.724	1.372	5.192	2.610
0.618	20.233	4.846	-0.028	0.736	1.077	5.174	2.606
0.619	20.359	4.998	0.197	0.748	0.780	5.155	2.602
0.62	20.306	4.971	0.408	0.758	0.481	5.137	2.597
0.621	20.254	4.944	0.583	0.765	0.181	5.117	2.591
0.622	20.202	4.917	0.703	0.769	-0.118	5.098	2.585
0.623	19.867	4.607	0.756	0.770	-0.416	5.078	2.579
0.624	19.532	4.298	0.736	0.766	-0.712	5.058	2.571
0.625	19.197	3.988	0.645	0.757	-1.004	5.037	2.564
0.626	18.541	3.358	0.495	0.744	-1.291	5.016	2.555
0.627	17.885	2.727	0.303	0.726	-1.572	4.995	2.547
0.628	17.229	2.096	0.093	0.703	-1.847	4.974	2.537
0.629	16.512	1.404	-0.114	0.676	-2.114	4.951	2.527
0.63	15.795	0.712	-0.295	0.644	-2.372	4.930	2.517
0.631	15.077	0.020	-0.431	0.609	-2.619	4.907	2.506

Data Repository Item

0.632	14.563	-0.469	-0.511	0.571	-2.856	4.884	2.494
0.633	14.048	-0.958	-0.532	0.531	-3.081	4.861	2.482
0.634	13.534	-1.447	-0.496	0.488	-3.293	4.838	2.470
0.635	13.243	-1.712	-0.415	0.444	-3.491	4.814	2.457
0.636	12.952	-1.978	-0.303	0.399	-3.674	4.790	2.443
0.637	12.661	-2.243	-0.181	0.353	-3.842	4.765	2.429
0.638	12.520	-2.359	-0.065	0.306	-3.994	4.741	2.415
0.639	12.379	-2.475	0.029	0.258	-4.129	4.716	2.400
0.64	12.238	-2.591	0.088	0.210	-4.246	4.691	2.384
0.641	12.116	-2.687	0.108	0.161	-4.346	4.666	2.368
0.642	11.995	-2.783	0.091	0.110	-4.427	4.640	2.352
0.643	11.873	-2.880	0.047	0.058	-4.489	4.615	2.335
0.644	11.767	-2.960	-0.011	0.015	-4.533	4.589	2.318
0.645	11.661	-3.041	-0.066	0.056	-4.557	4.563	2.300
0.646	11.555	-3.121	-0.101	0.114	-4.562	4.537	2.282
0.647	11.536	-3.115	-0.101	0.176	-4.548	4.511	2.263
0.648	11.517	-3.109	-0.058	0.239	-4.515	4.485	2.244
0.649	11.498	-3.102	0.030	0.306	-4.463	4.459	2.224
0.65	11.540	-3.035	0.156	0.373	-4.392	4.433	2.204
0.651	11.583	-2.967	0.303	0.443	-4.303	4.407	2.183
0.652	11.625	-2.899	0.449	0.514	-4.196	4.381	2.163
0.653	11.609	-2.890	0.568	0.585	-4.072	4.355	2.141
0.654	11.592	-2.882	0.634	0.656	-3.932	4.329	2.119
0.655	11.575	-2.873	0.625	0.726	-3.775	4.303	2.097
0.656	11.451	-2.972	0.529	0.796	-3.604	4.277	2.074
0.657	11.327	-3.071	0.345	0.863	-3.419	4.252	2.051
0.658	11.203	-3.169	0.084	0.929	-3.220	4.226	2.028
0.659	11.107	-3.240	-0.227	0.991	-3.009	4.201	2.004
0.66	11.011	-3.310	-0.554	1.051	-2.787	4.176	1.980
0.661	10.916	-3.381	-0.854	1.106	-2.556	4.151	1.955
0.662	11.124	-3.147	-1.086	1.158	-2.315	4.126	1.930
0.663	11.333	-2.913	-1.214	1.205	-2.067	4.102	1.905
0.664	11.541	-2.679	-1.215	1.247	-1.812	4.078	1.879
0.665	12.356	-1.839	-1.082	1.283	-1.552	4.054	1.853
0.666	13.171	-0.998	-0.824	1.313	-1.289	4.030	1.826
0.667	13.987	-0.158	-0.468	1.336	-1.023	4.007	1.799
0.668	15.262	1.143	-0.054	1.352	-0.755	3.983	1.772
0.669	16.538	2.444	0.370	1.360	-0.488	3.960	1.744
0.67	17.813	3.745	0.755	1.361	-0.222	3.937	1.716
0.671	18.357	4.315	1.058	1.354	0.042	3.915	1.688
0.672	18.902	4.884	1.246	1.339	0.302	3.892	1.660
0.673	19.446	5.454	1.304	1.316	0.558	3.870	1.631
0.674	19.367	5.401	1.230	1.287	0.807	3.848	1.601
0.675	19.289	5.348	1.040	1.251	1.050	3.827	1.572
0.676	19.211	5.295	0.761	1.209	1.284	3.804	1.542
0.677	19.011	5.121	0.430	1.163	1.510	3.783	1.511
0.678	18.812	4.947	0.083	1.114	1.725	3.762	1.481
0.679	18.612	4.772	-0.241	1.062	1.931	3.741	1.450
0.68	18.323	4.509	-0.514	1.010	2.124	3.720	1.419
0.681	18.034	4.245	-0.714	0.957	2.306	3.699	1.388
0.682	17.745	3.981	-0.830	0.906	2.474	3.678	1.356
0.683	17.537	3.799	-0.860	0.857	2.630	3.658	1.324
0.684	17.329	3.616	-0.811	0.810	2.772	3.637	1.292
0.685	17.121	3.433	-0.696	0.767	2.899	3.616	1.259
0.686	17.302	3.640	-0.534	0.728	3.013	3.595	1.226
0.687	17.484	3.847	-0.343	0.693	3.111	3.575	1.193
0.688	17.666	4.054	-0.143	0.661	3.195	3.554	1.160
0.689	17.737	4.150	0.049	0.634	3.264	3.534	1.127
0.69	17.808	4.247	0.219	0.609	3.318	3.513	1.093
0.691	17.879	4.344	0.357	0.588	3.358	3.493	1.059
0.692	17.862	4.352	0.456	0.570	3.383	3.472	1.025
0.693	17.845	4.360	0.512	0.553	3.393	3.451	0.991
0.694	17.827	4.368	0.527	0.539	3.389	3.430	0.956
0.695	17.658	4.224	0.501	0.526	3.372	3.409	0.921

Data Repository Item

0.696	17.489	4.080	0.441	0.514	3.341	3.388	0.887
0.697	17.320	3.936	0.352	0.502	3.296	3.366	0.851
0.698	17.039	3.681	0.241	0.492	3.240	3.345	0.816
0.699	16.758	3.425	0.116	0.482	3.171	3.323	0.781
0.7	16.478	3.170	-0.014	0.473	3.091	3.302	0.745
0.701	16.187	2.905	-0.140	0.464	2.999	3.279	0.710
0.702	15.896	2.639	-0.254	0.456	2.898	3.257	0.674
0.703	15.605	2.374	-0.346	0.448	2.787	3.235	0.638
0.704	15.361	2.154	-0.411	0.440	2.667	3.213	0.602
0.705	15.116	1.935	-0.441	0.434	2.538	3.189	0.566
0.706	14.871	1.716	-0.434	0.428	2.402	3.167	0.530
0.707	14.903	1.773	-0.391	0.423	2.259	3.143	0.493
0.708	14.934	1.830	-0.314	0.419	2.110	3.120	0.457
0.709	14.966	1.887	-0.210	0.417	1.956	3.096	0.421
0.71	15.030	1.976	-0.089	0.415	1.796	3.072	0.384
0.711	15.094	2.066	0.038	0.414	1.633	3.048	0.348
0.712	15.159	2.155	0.160	0.413	1.466	3.024	0.311
0.713	15.156	2.178	0.264	0.413	1.297	2.998	0.274
0.714	15.154	2.201	0.343	0.412	1.126	2.974	0.238
0.715	15.152	2.225	0.388	0.410	0.954	2.948	0.201
0.716	15.009	2.107	0.396	0.408	0.781	2.923	0.165
0.717	14.866	1.989	0.367	0.404	0.608	2.896	0.128
0.718	14.723	1.871	0.306	0.399	0.436	2.871	0.091
0.719	14.472	1.646	0.217	0.393	0.266	2.844	0.055
0.72	14.222	1.421	0.111	0.386	0.098	2.817	0.018
0.721	13.971	1.196	-0.003	0.378	-0.068	2.790	-0.018
0.722	13.705	0.955	-0.114	0.370	-0.230	2.763	-0.054
0.723	13.438	0.714	-0.212	0.361	-0.389	2.734	-0.091
0.724	13.172	0.473	-0.289	0.353	-0.543	2.707	-0.127
0.725	12.968	0.294	-0.336	0.345	-0.692	2.678	-0.163
0.726	12.763	0.115	-0.351	0.340	-0.835	2.650	-0.199
0.727	12.559	-0.064	-0.331	0.337	-0.973	2.620	-0.235
0.728	12.432	-0.166	-0.278	0.336	-1.105	2.591	-0.270
0.729	12.305	-0.268	-0.196	0.338	-1.230	2.561	-0.306
0.73	12.177	-0.370	-0.093	0.342	-1.347	2.531	-0.341
0.731	12.073	-0.449	0.022	0.349	-1.457	2.500	-0.376
0.732	11.969	-0.528	0.137	0.357	-1.559	2.470	-0.411
0.733	11.864	-0.607	0.241	0.368	-1.653	2.438	-0.446
0.734	11.666	-0.780	0.322	0.378	-1.738	2.407	-0.481
0.735	11.467	-0.953	0.371	0.388	-1.815	2.375	-0.515
0.736	11.269	-1.126	0.382	0.397	-1.882	2.343	-0.550
0.737	10.912	-1.458	0.351	0.405	-1.941	2.310	-0.584
0.738	10.555	-1.789	0.282	0.411	-1.990	2.278	-0.617
0.739	10.198	-2.121	0.180	0.413	-2.029	2.244	-0.651
0.74	9.789	-2.504	0.057	0.414	-2.060	2.211	-0.684
0.741	9.381	-2.888	-0.074	0.411	-2.080	2.177	-0.717
0.742	8.972	-3.271	-0.199	0.406	-2.091	2.143	-0.750
0.743	8.663	-3.555	-0.300	0.398	-2.092	2.108	-0.782
0.744	8.354	-3.838	-0.367	0.389	-2.084	2.074	-0.814
0.745	8.045	-4.122	-0.389	0.379	-2.067	2.039	-0.846
0.746	7.941	-4.200	-0.364	0.369	-2.040	2.004	-0.877
0.747	7.837	-4.279	-0.293	0.359	-2.004	1.969	-0.908
0.748	7.734	-4.357	-0.185	0.351	-1.960	1.933	-0.939
0.749	7.811	-4.255	-0.054	0.346	-1.907	1.898	-0.969
0.75	7.888	-4.152	0.083	0.343	-1.846	1.862	-0.999
0.751	7.965	-4.050	0.206	0.345	-1.777	1.827	-1.029
0.752	8.067	-3.922	0.298	0.349	-1.700	1.791	-1.058
0.753	8.170	-3.794	0.344	0.357	-1.617	1.756	-1.087
0.754	8.272	-3.666	0.336	0.367	-1.527	1.720	-1.115
0.755	8.293	-3.620	0.273	0.379	-1.432	1.685	-1.143
0.756	8.313	-3.574	0.161	0.393	-1.331	1.650	-1.171
0.757	8.334	-3.529	0.016	0.408	-1.225	1.615	-1.198
0.758	8.348	-3.489	-0.144	0.424	-1.115	1.580	-1.224
0.759	8.362	-3.449	-0.296	0.441	-1.002	1.547	-1.251

Data Repository Item

0.76	8.377	-3.410	-0.417	0.460	-0.885	1.513	-1.276
0.761	8.544	-3.217	-0.488	0.480	-0.767	1.481	-1.302
0.762	8.710	-3.025	-0.497	0.501	-0.646	1.448	-1.326
0.763	8.877	-2.833	-0.440	0.523	-0.525	1.417	-1.351
0.764	9.284	-2.401	-0.320	0.545	-0.404	1.386	-1.375
0.765	9.691	-1.969	-0.153	0.567	-0.284	1.357	-1.398
0.766	10.098	-1.537	0.043	0.588	-0.165	1.327	-1.421
0.767	10.469	-1.140	0.243	0.609	-0.048	1.301	-1.443
0.768	10.839	-0.744	0.422	0.627	0.066	1.273	-1.465
0.769	11.210	-0.348	0.558	0.643	0.177	1.249	-1.486
0.77	11.168	-0.365	0.635	0.655	0.284	1.225	-1.507
0.771	11.126	-0.381	0.643	0.663	0.386	1.204	-1.528
0.772	11.084	-0.398	0.581	0.668	0.482	1.183	-1.547
0.773	10.940	-0.517	0.457	0.668	0.573	1.165	-1.566
0.774	10.795	-0.637	0.285	0.665	0.657	1.148	-1.585
0.775	10.650	-0.756	0.086	0.657	0.733	1.134	-1.603
0.776	10.424	-0.957	-0.119	0.647	0.803	1.120	-1.621
0.777	10.199	-1.157	-0.306	0.633	0.864	1.110	-1.638
0.778	9.973	-1.357	-0.456	0.618	0.917	1.100	-1.654
0.779	9.775	-1.530	-0.554	0.601	0.962	1.094	-1.670
0.78	9.577	-1.702	-0.592	0.584	0.998	1.089	-1.685
0.781	9.379	-1.875	-0.566	0.568	1.024	1.086	-1.700
0.782	9.509	-1.720	-0.482	0.553	1.041	1.085	-1.714
0.783	9.639	-1.564	-0.352	0.540	1.049	1.086	-1.728
0.784	9.769	-1.409	-0.190	0.528	1.048	1.089	-1.741
0.785	9.868	-1.285	-0.015	0.520	1.037	1.093	-1.753
0.786	9.967	-1.161	0.155	0.513	1.017	1.100	-1.765
0.787	10.065	-1.037	0.302	0.509	0.988	1.107	-1.776
0.788	10.016	-1.061	0.413	0.505	0.950	1.117	-1.787
0.789	9.966	-1.085	0.476	0.502	0.903	1.127	-1.797
0.79	9.917	-1.109	0.487	0.499	0.848	1.139	-1.806
0.791	9.764	-1.236	0.446	0.496	0.785	1.151	-1.815
0.792	9.612	-1.363	0.361	0.492	0.715	1.166	-1.823
0.793	9.459	-1.490	0.239	0.486	0.638	1.180	-1.831
0.794	9.245	-1.680	0.096	0.480	0.555	1.196	-1.838
0.795	9.030	-1.870	-0.055	0.472	0.465	1.211	-1.845
0.796	8.815	-2.059	-0.197	0.463	0.371	1.228	-1.851
0.797	8.596	-2.252	-0.315	0.453	0.272	1.244	-1.856
0.798	8.377	-2.446	-0.399	0.443	0.169	1.262	-1.861
0.799	8.159	-2.639	-0.438	0.434	0.063	1.278	-1.865
0.8	8.124	-2.648	-0.431	0.425	-0.046	1.297	-1.869
0.801	8.089	-2.658	-0.378	0.419	-0.156	1.313	-1.872
0.802	8.054	-2.667	-0.284	0.414	-0.267	1.332	-1.874
0.803	8.134	-2.562	-0.162	0.412	-0.378	1.348	-1.876
0.804	8.214	-2.457	-0.023	0.411	-0.489	1.366	-1.877
0.805	8.293	-2.352	0.117	0.414	-0.598	1.382	-1.878
0.806	8.268	-2.352	0.243	0.417	-0.705	1.400	-1.878
0.807	8.243	-2.352	0.341	0.422	-0.809	1.416	-1.878
0.808	8.217	-2.352	0.401	0.426	-0.910	1.433	-1.877
0.809	8.071	-2.473	0.418	0.430	-1.007	1.448	-1.876
0.81	7.925	-2.594	0.390	0.434	-1.098	1.464	-1.874
0.811	7.779	-2.715	0.321	0.435	-1.185	1.478	-1.871
0.812	7.560	-2.908	0.218	0.436	-1.265	1.494	-1.868
0.813	7.341	-3.101	0.093	0.433	-1.338	1.508	-1.865
0.814	7.123	-3.295	-0.041	0.430	-1.405	1.522	-1.860
0.815	6.921	-3.471	-0.171	0.425	-1.464	1.535	-1.856
0.816	6.719	-3.647	-0.282	0.419	-1.515	1.548	-1.851
0.817	6.518	-3.824	-0.365	0.413	-1.557	1.560	-1.845
0.818	6.453	-3.863	-0.410	0.407	-1.591	1.573	-1.839
0.819	6.388	-3.903	-0.411	0.403	-1.616	1.584	-1.832
0.82	6.323	-3.943	-0.368	0.401	-1.632	1.595	-1.825
0.821	6.414	-3.826	-0.285	0.402	-1.639	1.606	-1.817
0.822	6.505	-3.709	-0.167	0.406	-1.637	1.616	-1.809
0.823	6.597	-3.593	-0.027	0.416	-1.625	1.627	-1.801

Data Repository Item

0.824	6.728	-3.436	0.122	0.427	-1.604	1.636	-1.792
0.825	6.858	-3.280	0.264	0.444	-1.574	1.646	-1.782
0.826	6.989	-3.124	0.382	0.463	-1.535	1.654	-1.772
0.827	7.018	-3.070	0.462	0.484	-1.488	1.663	-1.762
0.828	7.047	-3.016	0.491	0.506	-1.431	1.671	-1.751
0.829	7.075	-2.962	0.462	0.529	-1.367	1.680	-1.740
0.83	6.979	-3.033	0.374	0.551	-1.295	1.687	-1.728
0.831	6.883	-3.103	0.234	0.572	-1.215	1.695	-1.716
0.832	6.787	-3.174	0.055	0.593	-1.129	1.702	-1.703
0.833	6.703	-3.233	-0.144	0.610	-1.035	1.710	-1.691
0.834	6.619	-3.291	-0.340	0.628	-0.936	1.716	-1.677
0.835	6.536	-3.349	-0.508	0.642	-0.831	1.724	-1.664
0.836	6.636	-3.224	-0.628	0.657	-0.722	1.730	-1.650
0.837	6.737	-3.098	-0.681	0.670	-0.608	1.738	-1.635
0.838	6.837	-2.972	-0.658	0.682	-0.490	1.744	-1.621
0.839	7.228	-2.556	-0.558	0.695	-0.369	1.752	-1.606
0.84	7.619	-2.140	-0.391	0.708	-0.246	1.757	-1.590
0.841	8.009	-1.724	-0.174	0.721	-0.121	1.765	-1.575
0.842	8.565	-1.143	0.067	0.733	0.005	1.771	-1.559
0.843	9.121	-0.562	0.307	0.746	0.132	1.779	-1.543
0.844	9.676	0.019	0.516	0.756	0.259	1.785	-1.526
0.845	9.830	0.198	0.670	0.766	0.385	1.793	-1.509
0.846	9.984	0.377	0.753	0.773	0.509	1.799	-1.492
0.847	10.137	0.556	0.754	0.777	0.631	1.807	-1.475
0.848	10.029	0.474	0.676	0.778	0.751	1.813	-1.458
0.849	9.922	0.391	0.527	0.774	0.868	1.822	-1.440
0.85	9.814	0.309	0.325	0.768	0.980	1.828	-1.422
0.851	9.595	0.116	0.094	0.757	1.089	1.837	-1.404
0.852	9.376	-0.078	-0.142	0.744	1.192	1.844	-1.385
0.853	9.158	-0.271	-0.355	0.727	1.291	1.853	-1.367
0.854	8.952	-0.451	-0.525	0.709	1.383	1.860	-1.348
0.855	8.746	-0.632	-0.636	0.690	1.469	1.870	-1.329
0.856	8.541	-0.812	-0.677	0.670	1.549	1.877	-1.310
0.857	8.608	-0.719	-0.648	0.652	1.621	1.887	-1.291
0.858	8.676	-0.626	-0.554	0.635	1.686	1.894	-1.272
0.859	8.744	-0.533	-0.408	0.621	1.744	1.904	-1.253
0.86	8.983	-0.268	-0.226	0.609	1.794	1.912	-1.233
0.861	9.222	-0.004	-0.028	0.602	1.836	1.922	-1.214
0.862	9.461	0.261	0.165	0.595	1.869	1.930	-1.194
0.863	9.580	0.405	0.336	0.593	1.895	1.940	-1.175
0.864	9.699	0.549	0.468	0.591	1.911	1.949	-1.155
0.865	9.818	0.693	0.551	0.590	1.920	1.958	-1.135
0.866	9.764	0.665	0.578	0.590	1.920	1.968	-1.116
0.867	9.711	0.637	0.551	0.588	1.911	1.977	-1.096
0.868	9.657	0.609	0.473	0.585	1.894	1.986	-1.076
0.869	9.437	0.414	0.355	0.580	1.868	1.995	-1.057
0.87	9.217	0.219	0.208	0.573	1.835	2.005	-1.037
0.871	8.996	0.024	0.047	0.563	1.793	2.013	-1.018
0.872	8.735	-0.212	-0.113	0.552	1.744	2.023	-0.998
0.873	8.474	-0.447	-0.257	0.538	1.686	2.031	-0.979
0.874	8.213	-0.683	-0.374	0.523	1.622	2.041	-0.960
0.875	8.029	-0.842	-0.454	0.506	1.550	2.049	-0.941
0.876	7.845	-1.001	-0.491	0.490	1.472	2.059	-0.922
0.877	7.660	-1.160	-0.482	0.473	1.387	2.066	-0.903
0.878	7.650	-1.145	-0.430	0.457	1.296	2.076	-0.885
0.879	7.640	-1.130	-0.341	0.444	1.200	2.082	-0.866
0.88	7.629	-1.115	-0.224	0.432	1.098	2.092	-0.848
0.881	7.718	-1.001	-0.090	0.425	0.992	2.098	-0.830
0.882	7.806	-0.888	0.046	0.418	0.881	2.107	-0.813
0.883	7.894	-0.774	0.174	0.415	0.766	2.112	-0.795
0.884	7.915	-0.728	0.279	0.412	0.647	2.121	-0.778
0.885	7.936	-0.681	0.354	0.411	0.526	2.125	-0.761
0.886	7.958	-0.635	0.393	0.410	0.402	2.133	-0.745
0.887	7.827	-0.740	0.393	0.408	0.277	2.137	-0.729

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0.888	7.696	-0.845	0.356	0.404	0.150	2.144	-0.713
0.889	7.566	-0.951	0.288	0.396	0.021	2.147	-0.697
0.89	7.324	-1.167	0.198	0.387	-0.107	2.154	-0.682
0.891	7.083	-1.383	0.096	0.372	-0.235	2.156	-0.667
0.892	6.841	-1.599	-0.006	0.356	-0.363	2.162	-0.653
0.893	6.582	-1.833	-0.099	0.335	-0.490	2.163	-0.639
0.894	6.322	-2.067	-0.174	0.312	-0.615	2.168	-0.626
0.895	6.062	-2.302	-0.223	0.285	-0.738	2.168	-0.613
0.896	5.853	-2.486	-0.245	0.258	-0.858	2.173	-0.600
0.897	5.643	-2.670	-0.239	0.229	-0.975	2.172	-0.588
0.898	5.434	-2.854	-0.208	0.201	-1.089	2.175	-0.577
0.899	5.286	-2.977	-0.158	0.176	-1.199	2.174	-0.566
0.9	5.138	-3.099	-0.095	0.153	-1.304	2.176	-0.555
0.901	4.991	-3.221	-0.030	0.138	-1.405	2.173	-0.545
0.902	4.873	-3.314	0.032	0.128	-1.500	2.174	-0.536
0.903	4.755	-3.406	0.082	0.129	-1.590	2.171	-0.527
0.904	4.638	-3.498	0.116	0.133	-1.674	2.170	-0.519
0.905	4.524	-3.587	0.129	0.141	-1.752	2.166	-0.512
0.906	4.410	-3.675	0.122	0.150	-1.823	2.164	-0.505
0.907	4.296	-3.764	0.096	0.157	-1.888	2.159	-0.499
0.908	4.195	-3.840	0.055	0.163	-1.945	2.156	-0.494
0.909	4.093	-3.916	0.006	0.162	-1.996	2.150	-0.489
0.91	3.991	-3.992	-0.045	0.161	-2.039	2.146	-0.485
0.911	3.948	-4.011	-0.091	0.153	-2.075	2.140	-0.482
0.912	3.904	-4.029	-0.123	0.145	-2.103	2.134	-0.479
0.913	3.860	-4.048	-0.138	0.132	-2.124	2.127	-0.477
0.914	3.892	-3.990	-0.131	0.121	-2.137	2.120	-0.476
0.915	3.925	-3.932	-0.102	0.112	-2.142	2.112	-0.476
0.916	3.957	-3.875	-0.055	0.110	-2.140	2.104	-0.477
0.917	4.025	-3.781	0.006	0.120	-2.130	2.095	-0.478
0.918	4.093	-3.687	0.072	0.137	-2.113	2.085	-0.481
0.919	4.162	-3.594	0.134	0.164	-2.089	2.076	-0.484
0.92	4.213	-3.517	0.181	0.193	-2.058	2.065	-0.488
0.921	4.264	-3.441	0.205	0.225	-2.019	2.056	-0.493
0.922	4.315	-3.364	0.199	0.257	-1.974	2.044	-0.499
0.923	4.337	-3.318	0.161	0.285	-1.923	2.034	-0.505
0.924	4.358	-3.271	0.092	0.313	-1.866	2.021	-0.513
0.925	4.379	-3.224	-0.003	0.335	-1.802	2.010	-0.522
0.926	4.427	-3.151	-0.113	0.358	-1.734	1.996	-0.531
0.927	4.474	-3.078	-0.224	0.373	-1.660	1.985	-0.542
0.928	4.522	-3.006	-0.323	0.390	-1.581	1.970	-0.553
0.929	4.679	-2.823	-0.394	0.402	-1.498	1.959	-0.566
0.93	4.836	-2.640	-0.427	0.416	-1.411	1.943	-0.579
0.931	4.994	-2.458	-0.413	0.431	-1.321	1.932	-0.593
0.932	5.317	-2.109	-0.348	0.447	-1.227	1.915	-0.609
0.933	5.640	-1.761	-0.236	0.471	-1.131	1.904	-0.625
0.934	5.963	-1.412	-0.086	0.496	-1.033	1.887	-0.643
0.935	6.331	-1.019	0.090	0.531	-0.933	1.876	-0.661
0.936	6.699	-0.626	0.273	0.566	-0.831	1.858	-0.681
0.937	7.067	-0.232	0.444	0.608	-0.728	1.847	-0.701
0.938	7.165	-0.109	0.586	0.650	-0.625	1.829	-0.723
0.939	7.264	0.015	0.680	0.695	-0.522	1.818	-0.746
0.94	7.362	0.139	0.713	0.738	-0.419	1.800	-0.770
0.941	7.189	-0.009	0.679	0.779	-0.317	1.789	-0.794
0.942	7.016	-0.156	0.577	0.818	-0.216	1.771	-0.820
0.943	6.843	-0.304	0.412	0.849	-0.116	1.761	-0.847
0.944	6.546	-0.576	0.199	0.879	-0.018	1.742	-0.875
0.945	6.248	-0.849	-0.046	0.899	0.078	1.733	-0.904
0.946	5.950	-1.121	-0.299	0.917	0.172	1.715	-0.935
0.947	5.750	-1.296	-0.536	0.924	0.263	1.706	-0.966
0.948	5.549	-1.471	-0.734	0.930	0.351	1.688	-0.998
0.949	5.349	-1.646	-0.871	0.927	0.436	1.680	-1.032
0.95	5.446	-1.523	-0.932	0.924	0.518	1.662	-1.066
0.951	5.544	-1.401	-0.907	0.918	0.597	1.655	-1.102

Data Repository Item

0.952	5.641	-1.278	-0.797	0.912	0.672	1.638	-1.138
0.953	6.133	-0.761	-0.610	0.910	0.743	1.632	-1.176
0.954	6.625	-0.244	-0.362	0.909	0.811	1.616	-1.215
0.955	7.116	0.273	-0.074	0.918	0.876	1.610	-1.254
0.956	7.615	0.797	0.225	0.927	0.936	1.596	-1.295
0.957	8.113	1.321	0.509	0.949	0.993	1.591	-1.337
0.958	8.612	1.845	0.750	0.970	1.047	1.578	-1.380
0.959	8.759	2.018	0.924	1.000	1.096	1.574	-1.424
0.96	8.907	2.191	1.016	1.029	1.143	1.563	-1.469
0.961	9.054	2.364	1.016	1.058	1.186	1.560	-1.515
0.962	8.841	2.175	0.924	1.087	1.226	1.550	-1.562
0.963	8.627	1.986	0.747	1.108	1.262	1.549	-1.609
0.964	8.413	1.798	0.501	1.129	1.296	1.542	-1.658
0.965	8.019	1.429	0.209	1.136	1.328	1.542	-1.708
0.966	7.625	1.061	-0.103	1.142	1.356	1.536	-1.759
0.967	7.231	0.692	-0.407	1.131	1.383	1.538	-1.810
0.968	6.918	0.404	-0.675	1.119	1.407	1.536	-1.863
0.969	6.605	0.117	-0.880	1.092	1.429	1.539	-1.916
0.97	6.292	-0.171	-1.005	1.064	1.450	1.539	-1.970
0.971	6.311	-0.127	-1.036	1.027	1.469	1.545	-2.025
0.972	6.330	-0.082	-0.970	0.987	1.486	1.548	-2.081
0.973	6.349	-0.038	-0.814	0.951	1.503	1.556	-2.138
0.974	6.684	0.323	-0.583	0.912	1.518	1.563	-2.195
0.975	7.019	0.683	-0.300	0.890	1.533	1.573	-2.253
0.976	7.355	1.044	0.007	0.869	1.547	1.584	-2.312
0.977	7.713	1.428	0.308	0.872	1.560	1.597	-2.372
0.978	8.071	1.811	0.573	0.878	1.573	1.612	-2.432
0.979	8.430	2.195	0.778	0.904	1.586	1.628	-2.493
0.98	8.419	2.210	0.906	0.932	1.599	1.648	-2.555
0.981	8.409	2.225	0.947	0.966	1.611	1.667	-2.617
0.982	8.398	2.240	0.904	1.001	1.623	1.693	-2.679
0.983	7.960	1.827	0.786	1.026	1.635	1.715	-2.743
0.984	7.521	1.413	0.609	1.055	1.648	1.747	-2.807
0.985	7.082	1.000	0.395	1.060	1.660	1.773	-2.871
0.986	6.532	0.474	0.164	1.071	1.672	1.812	-2.935
0.987	5.981	-0.051	-0.062	1.051	1.684	1.843	-3.001
0.988	5.430	-0.576	-0.266	1.042	1.696	1.890	-3.066
0.989	5.058	-0.923	-0.438	0.998	1.708	1.925	-3.132
0.99	4.686	-1.269	-0.568	0.966	1.720	1.983	-3.198
0.991	4.314	-1.616	-0.653	0.900	1.731	2.023	-3.265
0.992	4.165	-1.740	-0.693	0.845	1.741	2.095	-3.331
0.993	4.016	-1.864	-0.687	0.755	1.751	2.141	-3.398
0.994	3.866	-1.988	-0.638	0.668	1.760	2.232	-3.465
0.995	3.871	-1.958	-0.545	0.544	1.769	2.285	-3.532
0.996	3.876	-1.927	-0.412	0.410	1.776	2.409	-3.600
0.997	3.881	-1.897	-0.243	0.237	1.782	2.472	-3.667
0.998	3.896	-1.856	-0.045	0.218	1.787	2.663	-3.735
0.999	3.912	-1.816	0.170	0.419	1.790	2.741	-3.802
1	3.927	-1.775	0.385	1.229	1.791	3.248	-3.869

Data Repository Item**TABLE DR10.** DEPTH-DOMAIN OUTPUT OF MODEL RUN MILEx

Depth (m; after 5 km burial)	Bulk resampled (vol% mud)	Bulk detrended (vol% mud)	~20 k.y. (vol% mud)	Demodulated ~20 k.y. (vol% mud)	~100 k.y. (vol% mud)	Demodulated ~100 k.y. (vol% mud)	~400 k.y. (vol% mud)
5000.71	19.481	-12.970	-1.899	2.380	1.480	1.664	-5.821
5000.72	19.523	-12.874	-3.306	3.325	1.109	2.454	-5.929
5000.73	19.565	-12.778	-3.411	3.666	0.718	2.469	-6.032
5000.74	21.643	-10.646	-2.234	3.649	0.311	2.970	-6.129
5000.75	22.551	-9.684	-0.389	3.366	-0.108	3.035	-6.220
5000.76	23.459	-8.723	1.252	2.891	-0.536	3.393	-6.305
5000.77	23.245	-8.883	2.015	2.320	-0.969	3.479	-6.383
5000.78	22.648	-9.426	1.716	1.770	-1.404	3.764	-6.454
5000.79	22.051	-9.969	0.675	1.376	-1.837	3.862	-6.518
5000.8	20.805	-11.160	-0.519	1.248	-2.265	4.103	-6.575
5000.81	20.692	-11.220	-1.313	1.354	-2.685	4.209	-6.624
5000.82	20.578	-11.280	-1.417	1.529	-3.094	4.417	-6.666
5000.83	21.298	-10.506	-0.872	1.669	-3.488	4.530	-6.700
5000.84	21.628	-10.122	0.042	1.749	-3.864	4.714	-6.727
5000.85	21.959	-9.738	0.955	1.765	-4.220	4.831	-6.745
5000.86	21.652	-9.990	1.560	1.750	-4.553	4.997	-6.755
5000.87	20.920	-10.668	1.696	1.723	-4.859	5.117	-6.757
5000.88	20.189	-11.346	1.365	1.711	-5.137	5.267	-6.750
5000.89	17.985	-13.496	0.690	1.732	-5.384	5.389	-6.735
5000.9	15.704	-15.723	-0.155	1.785	-5.596	5.527	-6.712
5000.91	14.804	-16.569	-1.000	1.876	-5.773	5.650	-6.681
5000.92	13.904	-17.415	-1.696	1.988	-5.911	5.776	-6.642
5000.93	12.924	-18.341	-2.117	2.115	-6.008	5.900	-6.594
5000.94	13.033	-18.179	-2.155	2.241	-6.062	6.016	-6.538
5000.95	13.653	-17.505	-1.743	2.348	-6.071	6.140	-6.474
5000.96	14.273	-16.831	-0.898	2.425	-6.034	6.246	-6.402
5000.97	16.537	-14.513	0.231	2.457	-5.948	6.368	-6.322
5000.98	19.243	-11.753	1.365	2.448	-5.813	6.466	-6.235
5000.99	20.226	-10.716	2.157	2.404	-5.627	6.585	-6.140
5001	21.209	-9.679	2.315	2.354	-5.390	6.673	-6.037
5001.01	21.576	-9.258	1.719	2.331	-5.101	6.787	-5.927
5001.02	21.133	-9.648	0.494	2.366	-4.762	6.866	-5.811
5001.03	20.689	-10.037	-1.005	2.482	-4.373	6.975	-5.687
5001.04	19.998	-10.674	-2.295	2.668	-3.934	7.044	-5.557
5001.05	20.429	-10.190	-2.922	2.905	-3.449	7.145	-5.420
5001.06	20.859	-9.705	-2.613	3.163	-2.920	7.204	-5.277
5001.07	23.843	-6.667	-1.378	3.418	-2.351	7.295	-5.129
5001.08	25.810	-4.647	0.478	3.662	-1.745	7.344	-4.974
5001.09	27.777	-2.626	2.427	3.888	-1.107	7.425	-4.814
5001.1	29.663	-0.686	3.849	4.107	-0.444	7.463	-4.650
5001.11	29.083	-1.212	4.213	4.328	0.239	7.531	-4.480
5001.12	28.503	-1.738	3.256	4.561	0.935	7.558	-4.306
5001.13	26.797	-3.391	1.120	4.814	1.636	7.613	-4.127
5001.14	25.090	-5.043	-1.627	5.077	2.335	7.628	-3.944
5001.15	21.716	-8.363	-4.127	5.334	3.022	7.669	-3.758
5001.16	21.500	-8.525	-5.517	5.554	3.689	7.673	-3.568
5001.17	21.284	-8.688	-5.274	5.703	4.327	7.699	-3.375
5001.18	25.866	-4.051	-3.448	5.751	4.927	7.693	-3.179
5001.19	30.996	1.132	-0.667	5.675	5.480	7.703	-2.981
5001.2	36.125	6.315	2.122	5.473	5.979	7.688	-2.780
5001.21	40.907	11.151	4.051	5.152	6.413	7.683	-2.577
5001.22	41.055	11.352	4.663	4.742	6.777	7.659	-2.372
5001.23	41.202	11.554	4.024	4.280	7.064	7.641	-2.166
5001.24	40.474	10.880	2.581	3.806	7.267	7.609	-1.959
5001.25	39.747	10.206	0.898	3.364	7.382	7.579	-1.750
5001.26	38.422	8.935	-0.586	2.983	7.405	7.541	-1.541

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5001.27	37.097	7.664	-1.648	2.688	7.335	7.500	-1.331
5001.28	35.667	6.288	-2.241	2.483	7.170	7.458	-1.121
5001.29	34.236	4.911	-2.384	2.365	6.911	7.409	-0.910
5001.3	34.170	4.898	-2.106	2.318	6.561	7.365	-0.700
5001.31	34.103	4.886	-1.442	2.323	6.122	7.310	-0.490
5001.32	35.093	5.929	-0.478	2.363	5.601	7.266	-0.281
5001.33	36.082	6.973	0.622	2.418	5.004	7.208	-0.072
5001.34	36.595	7.539	1.639	2.481	4.339	7.166	0.136
5001.35	37.107	8.105	2.349	2.546	3.615	7.108	0.342
5001.36	35.884	6.936	2.587	2.616	2.842	7.070	0.548
5001.37	34.165	5.271	2.276	2.692	2.031	7.013	0.752
5001.38	32.445	3.605	1.441	2.779	1.195	6.980	0.954
5001.39	30.084	1.298	0.211	2.879	0.345	6.929	1.155
5001.4	27.724	-1.009	-1.181	2.989	-0.505	6.901	1.354
5001.41	25.709	-2.970	-2.420	3.105	-1.344	6.856	1.550
5001.42	23.693	-4.931	-3.175	3.219	-2.158	6.834	1.745
5001.43	22.708	-5.862	-3.199	3.322	-2.936	6.796	1.938
5001.44	23.976	-4.541	-2.427	3.408	-3.667	6.780	2.128
5001.45	25.243	-3.220	-1.024	3.472	-4.339	6.750	2.315
5001.46	28.332	-0.077	0.658	3.515	-4.943	6.739	2.500
5001.47	29.063	0.708	2.200	3.540	-5.472	6.716	2.682
5001.48	29.795	1.494	3.239	3.561	-5.918	6.708	2.862
5001.49	29.302	1.055	3.561	3.586	-6.276	6.692	3.038
5001.5	28.809	0.616	3.113	3.630	-6.542	6.685	3.212
5001.51	25.818	-2.321	1.985	3.700	-6.715	6.674	3.383
5001.52	23.895	-4.191	0.377	3.799	-6.792	6.666	3.550
5001.53	21.972	-6.060	-1.417	3.927	-6.777	6.658	3.714
5001.54	18.845	-9.133	-3.036	4.073	-6.670	6.648	3.875
5001.55	18.199	-9.725	-4.097	4.225	-6.476	6.640	4.032
5001.56	17.554	-10.316	-4.289	4.367	-6.201	6.626	4.186
5001.57	18.935	-8.882	-3.480	4.486	-5.851	6.617	4.337
5001.58	23.238	-4.524	-1.792	4.570	-5.432	6.598	4.484
5001.59	26.448	-1.261	0.398	4.611	-4.954	6.586	4.627
5001.6	29.658	2.003	2.536	4.607	-4.425	6.561	4.766
5001.61	32.157	4.556	4.038	4.561	-3.854	6.544	4.902
5001.62	34.656	7.109	4.456	4.480	-3.251	6.512	5.034
5001.63	34.932	7.439	3.632	4.377	-2.625	6.491	5.162
5001.64	33.650	6.211	1.776	4.263	-1.985	6.452	5.286
5001.65	32.369	4.984	-0.558	4.152	-1.340	6.425	5.406
5001.66	30.915	3.584	-2.635	4.047	-0.697	6.380	5.522
5001.67	29.462	2.184	-3.794	3.945	-0.066	6.348	5.634
5001.68	30.068	2.845	-3.708	3.830	0.549	6.298	5.742
5001.69	30.675	3.505	-2.515	3.682	1.140	6.261	5.845
5001.7	36.878	9.762	-0.747	3.484	1.703	6.208	5.944
5001.71	38.735	11.673	0.929	3.224	2.233	6.168	6.039
5001.72	40.593	13.585	2.019	2.913	2.728	6.113	6.130
5001.73	40.811	13.857	2.389	2.574	3.184	6.071	6.217
5001.74	41.029	14.129	2.236	2.255	3.600	6.017	6.299
5001.75	40.758	13.911	1.882	2.018	3.974	5.974	6.376
5001.76	40.486	13.693	1.533	1.915	4.307	5.922	6.450
5001.77	39.773	13.035	1.162	1.959	4.598	5.882	6.518
5001.78	39.061	12.376	0.593	2.106	4.846	5.834	6.583
5001.79	37.021	10.390	-0.297	2.300	5.054	5.796	6.643
5001.8	34.981	8.404	-1.401	2.489	5.220	5.754	6.698
5001.81	33.214	6.691	-2.368	2.648	5.347	5.720	6.749
5001.82	31.447	4.978	-2.774	2.757	5.434	5.685	6.796
5001.83	32.189	5.774	-2.367	2.806	5.482	5.656	6.838
5001.84	32.931	6.570	-1.237	2.787	5.490	5.628	6.876
5001.85	37.722	11.415	0.208	2.694	5.460	5.603	6.909
5001.86	38.513	12.260	1.442	2.531	5.391	5.583	6.938
5001.87	39.304	13.105	2.072	2.304	5.283	5.563	6.963
5001.88	39.219	13.073	2.003	2.028	5.136	5.549	6.983
5001.89	39.134	13.042	1.428	1.726	4.949	5.533	6.999
5001.9	38.811	12.773	0.680	1.420	4.721	5.525	7.011

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5001.91	38.487	12.503	0.047	1.136	4.454	5.512	7.018
5001.92	38.030	12.100	-0.337	0.894	4.146	5.509	7.022
5001.93	37.574	11.698	-0.498	0.713	3.799	5.498	7.021
5001.94	37.052	11.230	-0.547	0.606	3.414	5.498	7.016
5001.95	36.530	10.761	-0.583	0.578	2.991	5.489	7.006
5001.96	36.194	10.479	-0.640	0.624	2.534	5.490	6.993
5001.97	35.858	10.197	-0.675	0.734	2.045	5.481	6.976
5001.98	36.016	10.409	-0.597	0.897	1.527	5.483	6.955
5001.99	36.174	10.621	-0.311	1.104	0.985	5.474	6.930
5002	35.964	10.465	0.221	1.347	0.424	5.477	6.902
5002.01	35.626	10.180	0.940	1.612	-0.149	5.467	6.869
5002.02	35.287	9.896	1.666	1.888	-0.729	5.468	6.833
5002.03	34.395	9.057	2.137	2.156	-1.309	5.458	6.794
5002.04	33.502	8.219	2.102	2.401	-1.881	5.459	6.751
5002.05	31.217	5.987	1.443	2.608	-2.437	5.448	6.704
5002.06	28.931	3.755	0.263	2.766	-2.970	5.448	6.654
5002.07	24.096	-1.026	-1.122	2.869	-3.471	5.437	6.600
5002.08	22.567	-2.501	-2.291	2.916	-3.933	5.436	6.543
5002.09	21.038	-3.976	-2.885	2.912	-4.348	5.427	6.483
5002.1	20.748	-4.212	-2.742	2.866	-4.710	5.425	6.420
5002.11	21.566	-3.340	-1.944	2.789	-5.012	5.417	6.353
5002.12	22.384	-2.468	-0.753	2.697	-5.249	5.414	6.284
5002.13	24.464	-0.335	0.507	2.604	-5.417	5.408	6.211
5002.14	25.287	0.543	1.561	2.525	-5.513	5.405	6.135
5002.15	26.111	1.420	2.233	2.473	-5.535	5.401	6.057
5002.16	26.271	1.635	2.435	2.457	-5.482	5.398	5.975
5002.17	26.432	1.849	2.134	2.479	-5.354	5.396	5.891
5002.18	25.497	0.968	1.345	2.540	-5.153	5.393	5.803
5002.19	24.658	0.182	0.167	2.635	-4.882	5.393	5.713
5002.2	23.818	-0.603	-1.182	2.752	-4.546	5.389	5.620
5002.21	22.171	-2.196	-2.368	2.883	-4.148	5.391	5.524
5002.22	22.122	-2.191	-3.018	3.013	-3.697	5.385	5.426
5002.23	22.073	-2.187	-2.868	3.128	-3.198	5.388	5.325
5002.24	24.563	0.357	-1.889	3.215	-2.659	5.381	5.221
5002.25	27.204	3.052	-0.337	3.262	-2.088	5.383	5.115
5002.26	29.844	5.746	1.323	3.262	-1.494	5.375	5.006
5002.27	33.004	8.960	2.585	3.213	-0.886	5.376	4.894
5002.28	33.067	9.077	3.081	3.117	-0.272	5.365	4.780
5002.29	33.131	9.195	2.701	2.981	0.339	5.364	4.664
5002.3	32.539	8.657	1.614	2.818	0.938	5.350	4.545
5002.31	31.948	8.119	0.190	2.638	1.517	5.345	4.423
5002.32	30.733	6.958	-1.128	2.455	2.069	5.329	4.299
5002.33	29.518	5.797	-1.969	2.280	2.587	5.319	4.173
5002.34	28.181	4.515	-2.138	2.119	3.065	5.299	4.044
5002.35	29.333	5.720	-1.667	1.973	3.496	5.285	3.914
5002.36	30.484	6.925	-0.785	1.840	3.877	5.260	3.781
5002.37	31.470	7.965	0.184	1.713	4.203	5.240	3.646
5002.38	32.455	9.004	0.941	1.586	4.471	5.211	3.508
5002.39	32.558	9.160	1.315	1.454	4.680	5.185	3.369
5002.4	32.388	9.044	1.294	1.318	4.827	5.151	3.228
5002.41	32.218	8.928	0.986	1.184	4.912	5.118	3.085
5002.42	31.828	8.593	0.537	1.057	4.935	5.079	2.940
5002.43	31.439	8.257	0.076	0.945	4.898	5.038	2.793
5002.44	30.441	7.313	-0.317	0.851	4.803	4.994	2.645
5002.45	29.891	6.817	-0.596	0.779	4.651	4.946	2.495
5002.46	29.341	6.321	-0.729	0.730	4.445	4.896	2.343
5002.47	28.883	5.917	-0.692	0.702	4.191	4.839	2.191
5002.48	28.425	5.513	-0.484	0.697	3.891	4.784	2.037
5002.49	28.911	6.052	-0.143	0.709	3.551	4.719	1.882
5002.5	28.894	6.090	0.251	0.733	3.175	4.656	1.727
5002.51	28.877	6.127	0.587	0.761	2.771	4.583	1.570
5002.52	28.669	5.972	0.762	0.786	2.343	4.513	1.413
5002.53	28.461	5.818	0.711	0.803	1.898	4.431	1.256
5002.54	27.686	5.097	0.436	0.811	1.442	4.353	1.098

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5002.55	27.159	4.624	0.006	0.812	0.983	4.262	0.940
5002.56	26.633	4.151	-0.449	0.814	0.527	4.176	0.782
5002.57	25.416	2.989	-0.779	0.827	0.080	4.076	0.624
5002.58	25.138	2.764	-0.858	0.860	-0.350	3.981	0.467
5002.59	24.859	2.540	-0.634	0.918	-0.758	3.872	0.311
5002.6	24.918	2.652	-0.154	0.999	-1.138	3.768	0.155
5002.61	24.977	2.765	0.441	1.091	-1.484	3.650	0.000
5002.62	24.564	2.406	0.957	1.179	-1.791	3.536	-0.153
5002.63	23.963	1.859	1.225	1.248	-2.055	3.410	-0.305
5002.64	23.362	1.312	1.160	1.285	-2.272	3.287	-0.455
5002.65	21.066	-0.930	0.802	1.280	-2.441	3.151	-0.604
5002.66	19.568	-2.375	0.294	1.230	-2.559	3.019	-0.750
5002.67	18.069	-3.819	-0.183	1.139	-2.625	2.876	-0.894
5002.68	15.720	-6.114	-0.501	1.020	-2.641	2.733	-1.035
5002.69	14.348	-7.432	-0.645	0.907	-2.608	2.583	-1.174
5002.7	13.960	-7.767	-0.706	0.847	-2.529	2.432	-1.310
5002.71	13.571	-8.102	-0.807	0.885	-2.407	2.275	-1.443
5002.72	13.117	-8.502	-1.005	1.020	-2.246	2.116	-1.572
5002.73	13.027	-8.538	-1.228	1.210	-2.054	1.954	-1.698
5002.74	13.328	-8.184	-1.299	1.411	-1.835	1.787	-1.819
5002.75	13.628	-7.829	-1.044	1.588	-1.597	1.620	-1.937
5002.76	15.394	-6.010	-0.413	1.719	-1.348	1.447	-2.051
5002.77	18.228	-3.122	0.444	1.791	-1.095	1.277	-2.161
5002.78	19.654	-1.642	1.235	1.797	-0.846	1.100	-2.266
5002.79	21.080	-0.162	1.653	1.736	-0.610	0.930	-2.366
5002.8	21.651	0.463	1.536	1.613	-0.393	0.753	-2.462
5002.81	21.234	0.100	0.951	1.440	-0.204	0.590	-2.553
5002.82	20.818	-0.262	0.165	1.230	-0.048	0.431	-2.638
5002.83	19.853	-1.173	-0.488	1.004	0.069	0.315	-2.719
5002.84	19.649	-1.324	-0.755	0.789	0.143	0.279	-2.794
5002.85	19.444	-1.475	-0.577	0.625	0.171	0.358	-2.864
5002.86	19.432	-1.432	-0.099	0.559	0.150	0.503	-2.928
5002.87	19.128	-1.682	0.409	0.602	0.081	0.665	-2.986
5002.88	18.624	-2.133	0.685	0.704	-0.037	0.844	-3.039
5002.89	18.119	-2.584	0.587	0.815	-0.199	1.019	-3.087
5002.9	16.568	-4.081	0.154	0.906	-0.403	1.205	-3.128
5002.91	15.760	-4.835	-0.417	0.965	-0.643	1.383	-3.164
5002.92	14.952	-5.589	-0.867	0.989	-0.913	1.569	-3.194
5002.93	13.858	-6.629	-0.995	0.978	-1.205	1.746	-3.219
5002.94	13.969	-6.465	-0.751	0.936	-1.510	1.929	-3.237
5002.95	14.367	-6.012	-0.261	0.867	-1.820	2.104	-3.250
5002.96	14.766	-5.559	0.242	0.778	-2.125	2.283	-3.257
5002.97	15.273	-4.999	0.536	0.670	-2.414	2.455	-3.259
5002.98	14.779	-5.439	0.525	0.545	-2.679	2.628	-3.254
5002.99	14.331	-5.833	0.287	0.403	-2.909	2.796	-3.245
5003	13.883	-6.227	0.022	0.240	-3.096	2.961	-3.230
5003.01	13.179	-6.878	-0.070	0.063	-3.232	3.124	-3.209
5003.02	13.071	-6.931	0.085	0.165	-3.309	3.282	-3.183
5003.03	13.184	-6.765	0.375	0.398	-3.322	3.438	-3.153
5003.04	13.296	-6.599	0.557	0.655	-3.266	3.587	-3.117
5003.05	13.226	-6.615	0.398	0.926	-3.139	3.736	-3.076
5003.06	12.576	-7.210	-0.172	1.201	-2.940	3.875	-3.030
5003.07	12.190	-7.543	-0.980	1.467	-2.669	4.016	-2.980
5003.08	11.804	-7.875	-1.666	1.711	-2.329	4.145	-2.926
5003.09	11.728	-7.897	-1.847	1.918	-1.925	4.277	-2.867
5003.1	13.017	-6.555	-1.323	2.076	-1.461	4.396	-2.804
5003.11	15.817	-3.700	-0.211	2.178	-0.947	4.517	-2.736
5003.12	17.536	-1.927	1.072	2.221	-0.390	4.625	-2.666
5003.13	19.255	-0.154	1.982	2.210	0.199	4.736	-2.591
5003.14	21.305	1.950	2.099	2.161	0.808	4.832	-2.513
5003.15	21.072	1.770	1.340	2.095	1.427	4.932	-2.432
5003.16	20.839	1.591	0.019	2.040	2.041	5.017	-2.348
5003.17	19.518	0.324	-1.296	2.020	2.639	5.105	-2.261
5003.18	19.687	0.547	-2.031	2.046	3.208	5.179	-2.171

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5003.19	19.857	0.770	-1.873	2.113	3.734	5.255	-2.079
5003.2	23.243	4.211	-0.895	2.202	4.208	5.318	-1.984
5003.21	24.398	5.419	0.489	2.289	4.616	5.382	-1.887
5003.22	25.552	6.628	1.724	2.355	4.951	5.435	-1.788
5003.23	25.798	6.928	2.346	2.390	5.203	5.487	-1.688
5003.24	25.371	6.554	2.145	2.390	5.366	5.531	-1.586
5003.25	24.943	6.180	1.222	2.361	5.435	5.572	-1.482
5003.26	23.197	4.488	-0.079	2.310	5.407	5.607	-1.378
5003.27	22.069	3.414	-1.307	2.250	5.280	5.637	-1.272
5003.28	20.941	2.339	-2.058	2.189	5.056	5.666	-1.165
5003.29	20.197	1.650	-2.103	2.135	4.736	5.687	-1.058
5003.3	20.935	2.442	-1.456	2.092	4.327	5.709	-0.950
5003.31	21.674	3.234	-0.364	2.055	3.834	5.722	-0.842
5003.32	23.100	4.714	0.790	2.016	3.266	5.739	-0.733
5003.33	23.194	4.862	1.619	1.965	2.633	5.746	-0.624
5003.34	23.288	5.010	1.872	1.892	1.946	5.759	-0.516
5003.35	22.037	3.813	1.516	1.790	1.217	5.762	-0.407
5003.36	20.946	2.776	0.733	1.656	0.460	5.773	-0.299
5003.37	19.855	1.739	-0.161	1.494	-0.311	5.774	-0.192
5003.38	17.660	-0.402	-0.843	1.313	-1.083	5.784	-0.084
5003.39	16.155	-1.854	-1.102	1.127	-1.840	5.784	0.022
5003.4	15.738	-2.216	-0.908	0.957	-2.570	5.794	0.127
5003.41	15.322	-2.579	-0.401	0.830	-3.257	5.795	0.232
5003.42	14.547	-3.299	0.189	0.771	-3.891	5.806	0.336
5003.43	13.970	-3.822	0.643	0.784	-4.459	5.810	0.438
5003.44	13.394	-4.345	0.830	0.853	-4.950	5.822	0.539
5003.45	11.999	-5.686	0.732	0.956	-5.356	5.831	0.639
5003.46	10.760	-6.871	0.399	1.082	-5.669	5.845	0.738
5003.47	9.944	-7.633	-0.099	1.234	-5.885	5.858	0.835
5003.48	9.764	-7.759	-0.706	1.418	-5.999	5.874	0.930
5003.49	9.585	-7.885	-1.345	1.638	-6.009	5.892	1.023
5003.5	9.634	-7.782	-1.881	1.892	-5.916	5.910	1.115
5003.51	10.213	-7.149	-2.098	2.167	-5.721	5.932	1.205
5003.52	11.740	-5.568	-1.773	2.448	-5.429	5.952	1.294
5003.53	13.169	-4.085	-0.806	2.714	-5.044	5.977	1.380
5003.54	14.598	-2.602	0.649	2.950	-4.575	5.997	1.464
5003.55	18.692	1.546	2.163	3.141	-4.029	6.025	1.546
5003.56	21.379	4.286	3.161	3.281	-3.416	6.046	1.626
5003.57	21.228	4.190	3.174	3.367	-2.747	6.074	1.703
5003.58	21.077	4.093	2.080	3.407	-2.034	6.093	1.778
5003.59	18.972	2.041	0.210	3.411	-1.289	6.121	1.851
5003.6	17.868	0.992	-1.756	3.389	-0.525	6.138	1.922
5003.61	16.765	-0.058	-3.077	3.352	0.246	6.164	1.990
5003.62	16.665	-0.104	-3.263	3.303	1.011	6.178	2.056
5003.63	18.500	1.784	-2.284	3.239	1.757	6.199	2.119
5003.64	20.334	3.673	-0.564	3.156	2.473	6.208	2.179
5003.65	24.602	7.994	1.219	3.044	3.147	6.224	2.237
5003.66	24.992	8.439	2.427	2.899	3.768	6.228	2.292
5003.67	25.383	8.884	2.702	2.721	4.329	6.237	2.344
5003.68	24.971	8.525	2.068	2.515	4.820	6.234	2.394
5003.69	24.558	8.166	0.868	2.293	5.234	6.235	2.440
5003.7	24.145	7.807	-0.413	2.068	5.566	6.226	2.484
5003.71	22.616	6.332	-1.340	1.857	5.812	6.216	2.525
5003.72	22.365	6.135	-1.670	1.675	5.969	6.200	2.563
5003.73	22.114	5.938	-1.398	1.530	6.035	6.181	2.598
5003.74	23.512	7.389	-0.709	1.424	6.011	6.156	2.630
5003.75	23.772	7.704	0.112	1.348	5.899	6.127	2.659
5003.76	24.033	8.018	0.795	1.293	5.701	6.094	2.684
5003.77	24.128	8.167	1.161	1.245	5.421	6.054	2.707
5003.78	23.845	7.938	1.148	1.197	5.065	6.013	2.726
5003.79	23.562	7.710	0.808	1.144	4.640	5.963	2.743
5003.8	22.499	6.700	0.265	1.087	4.153	5.914	2.756
5003.81	21.933	6.188	-0.318	1.032	3.612	5.854	2.766
5003.82	21.368	5.676	-0.776	0.985	3.026	5.797	2.773

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5003.83	20.260	4.623	-0.974	0.958	2.406	5.727	2.776
5003.84	20.120	4.537	-0.842	0.960	1.761	5.663	2.777
5003.85	19.980	4.451	-0.408	0.995	1.101	5.585	2.774
5003.86	20.359	4.883	0.201	1.056	0.438	5.514	2.768
5003.87	20.280	4.858	0.787	1.128	-0.219	5.429	2.759
5003.88	20.202	4.834	1.148	1.195	-0.859	5.352	2.746
5003.89	19.197	3.883	1.157	1.241	-1.472	5.262	2.730
5003.9	18.213	2.953	0.814	1.255	-2.050	5.180	2.711
5003.91	17.229	2.023	0.244	1.234	-2.582	5.087	2.689
5003.92	15.077	-0.075	-0.354	1.177	-3.061	5.001	2.664
5003.93	13.534	-1.564	-0.796	1.094	-3.481	4.906	2.636
5003.94	13.098	-1.947	-0.975	0.993	-3.836	4.818	2.604
5003.95	12.661	-2.329	-0.884	0.890	-4.120	4.724	2.570
5003.96	12.238	-2.699	-0.592	0.799	-4.330	4.636	2.532
5003.97	11.873	-3.010	-0.190	0.733	-4.464	4.544	2.492
5003.98	11.714	-3.115	0.231	0.707	-4.521	4.457	2.449
5003.99	11.555	-3.220	0.586	0.728	-4.500	4.370	2.403
5004	11.498	-3.223	0.780	0.800	-4.405	4.286	2.354
5004.01	11.625	-3.042	0.713	0.918	-4.237	4.207	2.302
5004.02	11.575	-3.038	0.323	1.074	-4.002	4.128	2.248
5004.03	11.389	-3.171	-0.341	1.254	-3.703	4.057	2.191
5004.04	11.203	-3.303	-1.089	1.443	-3.349	3.984	2.132
5004.05	10.916	-3.536	-1.625	1.628	-2.945	3.923	2.070
5004.06	11.541	-2.857	-1.670	1.793	-2.500	3.858	2.006
5004.07	12.764	-1.580	-1.114	1.926	-2.023	3.807	1.939
5004.08	13.987	-0.304	-0.104	2.014	-1.522	3.751	1.871
5004.09	17.813	3.577	0.997	2.048	-1.008	3.710	1.800
5004.1	19.446	5.263	1.766	2.024	-0.490	3.662	1.728
5004.11	19.328	5.200	1.916	1.941	0.023	3.630	1.653
5004.12	19.211	5.136	1.425	1.804	0.522	3.590	1.577
5004.13	18.612	4.592	0.537	1.628	0.997	3.565	1.499
5004.14	18.179	4.212	-0.369	1.426	1.442	3.532	1.420
5004.15	17.745	3.832	-0.954	1.221	1.847	3.511	1.339
5004.16	17.121	3.262	-1.053	1.034	2.208	3.483	1.257
5004.17	17.666	3.860	-0.716	0.889	2.519	3.464	1.174
5004.18	17.772	4.021	-0.149	0.798	2.774	3.439	1.090
5004.19	17.879	4.182	0.389	0.757	2.972	3.419	1.005
5004.2	17.827	4.184	0.694	0.747	3.111	3.394	0.918
5004.21	17.320	3.730	0.679	0.746	3.189	3.371	0.832
5004.22	16.899	3.363	0.389	0.736	3.207	3.345	0.744
5004.23	16.478	2.996	-0.038	0.713	3.168	3.316	0.656
5004.24	15.605	2.177	-0.424	0.675	3.074	3.285	0.568
5004.25	15.238	1.864	-0.623	0.631	2.929	3.248	0.480
5004.26	14.871	1.551	-0.569	0.588	2.738	3.212	0.391
5004.27	14.966	1.700	-0.302	0.556	2.506	3.166	0.302
5004.28	15.159	1.946	0.059	0.538	2.240	3.122	0.214
5004.29	15.155	1.997	0.362	0.527	1.947	3.065	0.126
5004.3	15.152	2.047	0.491	0.514	1.634	3.014	0.038
5004.31	14.723	1.672	0.410	0.486	1.307	2.946	-0.050
5004.32	13.971	0.974	0.179	0.437	0.975	2.885	-0.137
5004.33	13.572	0.629	-0.079	0.368	0.644	2.807	-0.223
5004.34	13.172	0.283	-0.239	0.284	0.321	2.737	-0.309
5004.35	12.559	-0.276	-0.228	0.214	0.012	2.648	-0.393
5004.36	12.177	-0.604	-0.061	0.208	-0.278	2.569	-0.477
5004.37	12.021	-0.707	0.170	0.275	-0.543	2.471	-0.560
5004.38	11.864	-0.809	0.345	0.366	-0.780	2.383	-0.641
5004.39	11.269	-1.351	0.374	0.446	-0.985	2.278	-0.722
5004.4	10.198	-2.368	0.242	0.499	-1.157	2.182	-0.801
5004.41	9.585	-2.927	0.014	0.520	-1.294	2.070	-0.878
5004.42	8.972	-3.486	-0.212	0.506	-1.396	1.968	-0.954
5004.43	8.045	-4.359	-0.355	0.467	-1.463	1.853	-1.029
5004.44	7.734	-4.616	-0.398	0.413	-1.498	1.745	-1.102
5004.45	7.965	-4.331	-0.383	0.367	-1.503	1.628	-1.173
5004.46	8.272	-3.970	-0.369	0.350	-1.480	1.518	-1.242

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5004.47	8.303	-3.885	-0.376	0.375	-1.433	1.401	-1.310
5004.48	8.334	-3.801	-0.366	0.431	-1.367	1.290	-1.375
5004.49	8.377	-3.704	-0.268	0.502	-1.285	1.176	-1.439
5004.5	8.877	-3.149	-0.039	0.575	-1.192	1.068	-1.501
5004.51	10.098	-1.875	0.281	0.639	-1.093	0.960	-1.561
5004.52	10.654	-1.265	0.573	0.688	-0.992	0.857	-1.618
5004.53	11.210	-0.655	0.695	0.715	-0.893	0.759	-1.674
5004.54	11.084	-0.727	0.569	0.713	-0.799	0.667	-1.727
5004.55	10.650	-1.108	0.235	0.680	-0.715	0.584	-1.778
5004.56	10.312	-1.392	-0.159	0.616	-0.643	0.510	-1.827
5004.57	9.973	-1.676	-0.429	0.531	-0.584	0.450	-1.874
5004.58	9.379	-2.217	-0.457	0.438	-0.540	0.406	-1.918
5004.59	9.769	-1.772	-0.252	0.362	-0.513	0.380	-1.960
5004.6	10.065	-1.422	0.056	0.330	-0.500	0.374	-2.000
5004.61	9.991	-1.443	0.290	0.341	-0.503	0.383	-2.037
5004.62	9.917	-1.463	0.325	0.370	-0.519	0.408	-2.072
5004.63	9.459	-1.867	0.157	0.387	-0.546	0.436	-2.105
5004.64	8.815	-2.458	-0.102	0.378	-0.581	0.474	-2.135
5004.65	8.159	-3.060	-0.296	0.345	-0.622	0.508	-2.162
5004.66	8.107	-3.058	-0.313	0.297	-0.666	0.546	-2.187
5004.67	8.054	-3.056	-0.153	0.258	-0.709	0.579	-2.210
5004.68	8.293	-2.763	0.081	0.253	-0.747	0.613	-2.230
5004.69	8.217	-2.786	0.248	0.278	-0.777	0.644	-2.248
5004.7	7.779	-3.170	0.255	0.308	-0.797	0.672	-2.263
5004.71	7.451	-3.444	0.112	0.318	-0.802	0.702	-2.276
5004.72	7.123	-3.719	-0.079	0.293	-0.791	0.724	-2.286
5004.73	6.518	-4.270	-0.191	0.232	-0.762	0.754	-2.294
5004.74	6.323	-4.411	-0.157	0.138	-0.713	0.774	-2.299
5004.75	6.597	-4.083	-0.015	0.047	-0.644	0.807	-2.302
5004.76	6.793	-3.833	0.113	0.144	-0.556	0.826	-2.303
5004.77	6.989	-3.583	0.096	0.285	-0.448	0.865	-2.301
5004.78	7.075	-3.442	-0.110	0.420	-0.322	0.888	-2.296
5004.79	6.787	-3.677	-0.421	0.542	-0.181	0.933	-2.289
5004.8	6.536	-3.874	-0.661	0.646	-0.027	0.962	-2.280
5004.81	6.837	-3.519	-0.655	0.731	0.136	1.015	-2.268
5004.82	7.423	-2.879	-0.343	0.800	0.305	1.050	-2.254
5004.83	8.009	-2.239	0.169	0.853	0.477	1.109	-2.238
5004.84	9.676	-0.518	0.654	0.889	0.645	1.153	-2.219
5004.85	10.137	-0.003	0.880	0.902	0.807	1.216	-2.199
5004.86	9.814	-0.273	0.737	0.888	0.958	1.267	-2.176
5004.87	9.486	-0.547	0.295	0.845	1.094	1.331	-2.150
5004.88	9.158	-0.821	-0.227	0.772	1.211	1.387	-2.123
5004.89	8.541	-1.384	-0.578	0.683	1.305	1.450	-2.093
5004.9	8.744	-1.128	-0.607	0.593	1.374	1.509	-2.062
5004.91	9.102	-0.715	-0.328	0.527	1.415	1.567	-2.029
5004.92	9.461	-0.302	0.091	0.504	1.426	1.627	-1.993
5004.93	9.818	0.108	0.425	0.517	1.408	1.677	-1.956
5004.94	9.657	0.002	0.510	0.541	1.358	1.735	-1.918
5004.95	8.996	-0.605	0.323	0.553	1.279	1.776	-1.877
5004.96	8.605	-0.943	-0.021	0.535	1.171	1.829	-1.835
5004.97	8.213	-1.281	-0.333	0.493	1.036	1.858	-1.792
5004.98	7.660	-1.780	-0.452	0.437	0.878	1.904	-1.747
5004.99	7.629	-1.757	-0.327	0.396	0.699	1.920	-1.701
5005	7.894	-1.438	-0.030	0.396	0.503	1.956	-1.654
5005.01	7.926	-1.353	0.285	0.436	0.296	1.958	-1.606
5005.02	7.958	-1.267	0.469	0.492	0.080	1.983	-1.557
5005.03	7.566	-1.605	0.452	0.534	-0.139	1.970	-1.507
5005.04	6.841	-2.276	0.265	0.545	-0.355	1.981	-1.457
5005.05	6.062	-3.000	0.012	0.522	-0.565	1.952	-1.406
5005.06	5.434	-3.575	-0.197	0.462	-0.764	1.949	-1.355
5005.07	5.212	-3.743	-0.296	0.380	-0.948	1.906	-1.303
5005.08	4.991	-3.911	-0.284	0.283	-1.112	1.886	-1.252
5005.09	4.638	-4.210	-0.204	0.185	-1.253	1.829	-1.201
5005.1	4.296	-4.497	-0.104	0.092	-1.369	1.794	-1.150

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5005.11	3.991	-4.748	-0.016	0.012	-1.457	1.723	-1.100
5005.12	3.860	-4.826	0.042	0.079	-1.517	1.671	-1.050
5005.13	3.908	-4.723	0.054	0.162	-1.547	1.590	-1.002
5005.14	3.957	-4.621	-0.001	0.242	-1.548	1.521	-0.954
5005.15	4.162	-4.362	-0.134	0.322	-1.520	1.431	-0.908
5005.16	4.315	-4.155	-0.313	0.388	-1.465	1.347	-0.863
5005.17	4.379	-4.037	-0.460	0.446	-1.385	1.251	-0.819
5005.18	4.522	-3.840	-0.464	0.500	-1.283	1.151	-0.778
5005.19	4.994	-3.315	-0.250	0.564	-1.162	1.053	-0.738
5005.2	5.478	-2.776	0.160	0.660	-1.027	0.940	-0.701
5005.21	5.963	-2.238	0.619	0.782	-0.880	0.843	-0.667
5005.22	7.067	-1.080	0.905	0.925	-0.726	0.721	-0.634
5005.23	7.362	-0.731	0.830	1.061	-0.569	0.633	-0.605
5005.24	6.843	-1.196	0.353	1.165	-0.414	0.507	-0.579
5005.25	6.397	-1.588	-0.359	1.226	-0.264	0.441	-0.556
5005.26	5.950	-1.981	-0.988	1.230	-0.124	0.334	-0.536
5005.27	5.349	-2.529	-1.215	1.195	0.004	0.321	-0.520
5005.28	5.641	-2.182	-0.887	1.152	0.115	0.297	-0.508
5005.29	7.116	-0.653	-0.123	1.138	0.209	0.354	-0.499
5005.3	8.612	0.896	0.730	1.193	0.283	0.424	-0.495
5005.31	8.833	1.171	1.261	1.296	0.335	0.499	-0.495
5005.32	9.054	1.447	1.199	1.410	0.365	0.609	-0.499
5005.33	8.413	0.859	0.558	1.493	0.373	0.672	-0.507
5005.34	7.231	-0.269	-0.360	1.500	0.360	0.796	-0.521
5005.35	6.292	-1.155	-1.112	1.437	0.328	0.837	-0.539
5005.36	6.320	-1.072	-1.331	1.312	0.277	0.966	-0.562
5005.37	6.349	-0.989	-0.901	1.189	0.211	0.978	-0.590
5005.38	7.355	0.070	-0.011	1.174	0.132	1.108	-0.623
5005.39	8.430	1.199	0.943	1.303	0.044	1.084	-0.661
5005.4	8.398	1.222	1.543	1.563	-0.049	1.213	-0.705
5005.41	7.740	0.617	1.533	1.856	-0.144	1.143	-0.753
5005.42	7.082	0.013	0.923	2.087	-0.236	1.273	-0.807
5005.43	5.430	-1.585	-0.036	2.249	-0.323	1.131	-0.866
5005.44	4.314	-2.647	-0.968	2.224	-0.400	1.272	-0.931
5005.45	3.866	-3.041	-1.533	2.093	-0.462	0.984	-1.000
5005.46	3.881	-2.972	-1.556	1.697	-0.508	1.166	-1.075
5005.47	3.904	-2.895	-1.083	1.347	-0.534	0.399	-1.155

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