CALIFORNIA INSTITUTE OF TECHNOLOGY

EARTHQUAKE ENGINEERING RESEARCH LABORATORY

STRONG MOTION EARTHQUAKE ACCELEROGRAMS

DIGITIZED AND PLOTTED DATA

VOLUME I - UNCORRECTED ACCELEROGRAMS

PART G - ACCELEROGRAMS IG106 THROUGH IG114

ACCELEROGRAMS FROM THE

SAN FERNANDO, CALIFORNIA, EARTHQUAKE

OF FEBRUARY 9, 1971

LOG NOS. 71.018, 71.019, 71.022, 71.023,
71.032, 71.031, 71.038, 71.040,
71.064.

EERL 72-20

A REPORT ON RESEARCH CONDUCTED UNDER A
GRANT FROM THE NATIONAL SCIENCE FOUNDATION

PASADENA, CALIFORNIA

JUNE 1972

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Abstract

The first set of twenty uncorrected digitized earthquake accelerograms was published in July 1969 as Volume I, Part A, of the present series. That volume also contained introductory material and background information describing the methods used, accuracies, etc., which should be referred to by all users of the data. The San Fernando Earthquake provided records of sufficient importance that the original plan was interrupted after two parts, and Part C contained the first of the San Fernando Earthquake accelerograms. This issue continues the San Fernando accelerograms and contains nine records consisting of six from the California Institute of Technology campus and the Jet Propulsion Laboratory, the basement and forty-second story record of a Los Angeles building, and the record from Palmdale.

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Preface to Volume I, Part G

The first set of twenty uncorrected digitized earthquake accelerograms was published in July 1969 as Volume I, Part A, of the present series. That volume also contained introductory material and background information describing the methods used, accuracies, etc., which should be referred to by all users of the data.

The San Fernando Earthquake provided records of such importance that the original plan was interrupted after two parts, and Part C contained the first of the San Fernando Earthquake accelerograms.

This issue continues the San Fernando accelerograms and contains nine records. Six of these are from instruments on the campus of the California Institute of Technology and the Jet Propulsion Laboratory. The remaining three are from the basement and forty-second floor of a downtown Los Angeles building, and the fire station at Palmdale. The C. I. T. sites include ground level records at the Athenaeum and the Seismological Laboratory, and two records (basement and tenth floor) at Millikan Library. The J. P. L. records are from the basement and roof of Building 180.

This issue contains the first of the San Fernando data originally recorded on 70mm film. The preparation of this film for digitizing was somewhat different than that described in Volume I, Part A, when most of the records were photographic paper either six inches or twelve inches wide. A description of the 70mm film preparation follows.

After developing the original films they were spliced to form nine continuous rolls, each containing a convenient length of film

(approximately 70-100 feet). Continuous contact negatives were made of each roll using an exposure and developing procedure determined after many tests to give a clear image of even the faintest traces. Two sets of contact prints were run off these negatives for archival purposes.

The continuous strip negatives contain three important areas for every record. These are the record title, the calibration test appearing either before or after the complete record, and the recording of the main shock. These sections were prepared for enlarging at C. I. T.'s Graphic Arts Facilities by measuring and labelling every 4 1/2 inch length. Separate enlargements (approximately four times) were made of each 4 1/2 inch length, including an overlap portion to aid in the transfer of the digitization from one enlargement to the next. The four times enlargement was chosen in order that the resulting effective sensitivity would be the same as on the twelve inch paper records from the older AR-240 instruments, i. e., 7.6 cm/g. It is felt now, with the experience gained from this size enlargement, that perhaps three times or even two times enlargements would be suitable, depending on convenience and digitizing sensitivity, and preferably performed on an enlarging system capable of handling the total required length of record. One such system, used for the 35mm records after the above 70mm records were all completed, was able to handle a three foot long original and a nine foot long enlargement, which proved very satisfactory.

In previous reports the printout and plots of those records that require shifting in the digitizing contained asterisks and arrows, respectively, indicating where such shifts occurred. For all the 70mm records in this report, shifting to a fresh enlargement was necessary

at about every 11 or 12 seconds. On each individual trace the changeover was made at an easily identifiable peak or similar mark anywhere in the overlapped portion of the trace. The plots contain arrows indicating the length of the digitized portion in each enlargement. Some further comments on the records in this report and their digitizations follow.

IG106. C. I. T. Seismological Laboratory, Pasadena. The entire record of 101 seconds was digitized.

IG107. C. I. T. Athenaeum, Pasadena. The entire record of 28 1/2 seconds was digitized.

IG108, 109. C. I. T. Millikan Library, Basement and 10th Floors. Both records were digitized to about 100 seconds, although the basement record continued for another 5 seconds.

IG110, 111. J. P. L., Pasadena, Basement and Roof. Both records ran for 102 seconds although the basement record was digitized only to 98 seconds. Appearing in one horizontal component of the basement record is a three second portion containing a very low amplitude, high frequency oscillation (about 220 cps) probably associated with a higher undamped mode of the instrument.

IG112, 113. 611 West Sixth Street, Los Angeles, Basement and 42nd Floors. No record was obtained from the instrument at mid-height in this building. The start of the record at the 42nd floor was lost due to overexposure at some stage, and probably 3.6 seconds is missing, judged by the remaining length of the record (48.4 seconds, compared with 52.0 seconds for the basement record).

IG114. Palmdale Fire Station, Storage Room. The entire record of 57 seconds was digitized.

Previous reports in this series have contained references concerning particular aspects of the various earthquake records. A list of these and other reports appears at the back of this issue, and includes the accession number and cost of obtaining them from:

National Technical Information Service
Springfield, Virginia 22151.

In conclusion, we should like to express our gratitude to our regular digitizers and assistants, students and otherwise, for their conscientious work. We would like to acknowledge the general support of the Earthquake Research Affiliates program, the generous grants from the National Science Foundation and the cooperation of the Seismological Field Survey of the National Oceanic and Atmospheric Administration.

D. E. Hudson
A. G. Brady
Earthquake Engineering Research Laboratory
California Institute of Technology

INSTRUMENT CHARACTERISTICS FOR SAN FERNANDO EARTHQUAKE, 2-9-71, 0600 PST

Series Ref. No.	Caltech Log. No.	Instrmt: Serial No.	Station: Location	Component Direction	Period T_o, (sec)	Sens.* (cm/g)	Damp* Ratio, ϵ	Damp* % crit.
IG106	71.018	RFT-250	266	West	0.046	1.9*	9.4	58.0
		193	Pasadena; Caltech	South	0.046	1.9*	12.5	62.7
			Seismological Lab.	Down	0.046	1.9*	9.2	57.6
IG107	71.019	SMA-1	475	East	0.367	1.82	7.9	55.0
		124	Pasadena; Caltech	North	0.378	1.79	10.6	60.1
			Athenaeum	Down	0.378	1.95	5.9	49.1
IG108	71.022	RFT-250	264	East	0.051	1.9*	12.1	62.1
		198	Pasadena; Caltech	North	0.051	1.9*	15.3	65.5
			Millikan Library, Bsmt.	Down	0.053	1.9*	9.4	58.0
IG109	71.023	RFT-250	265	East	0.048	1.9*	7.5	54.0
		200	Pasadena; Caltech	North	0.047	1.9*	11.4	61.2
			Millikan Library, 10th Fl	Down	0.048	1.9*	11.7	61.6
IG110	71.032	RFT-250	267	S08W	0.047	1.9*	10.6	60.1
		195	Pasadena; Jet Prop.	S82E	0.046	1.9*	8.9	57.2
			Lab., Bsmt.	Down	0.046	1.9*	11.4	61.2
IG111	71.031	RFT-250	268	S08W	0.047	1.9*	9.4	58.1
		199	Pasadena; Jet Prop.	S82E	0.048	1.9*	9.3	57.9
			Lab., 9th Flr.	Down	0.047	1.9*	9.4	58.1
IG112	71.038	RFT-250	163	N52W	0.046	1.9*	8.0	55.2
		139	L. A., 611 W. Sixth St.	N38E	0.046	1.9*	8.0	55.3
			Bsmt.	Down	0.047	1.9*	11.3	61.1
IG113	71.040	RFT-250	165	N52W	0.049	1.9*	11.1	60.8
		122	L. A., 611 W. Sixth St.	N38E	0.047	1.9*	11.7	61.7
			42nd Flr.	Down	0.048	1.9*	17.5	67.3

*See footnotes at end of table.

INSTRUMENT CHARACTERISTICS FOR SAN FERNANDO EARTHQUAKE, 2-9-71, 0600 PST

Series Ref. No.	Caltech Log. No.	Instrmt: Serial No.	Station: Location	Component Direction	Period T_o, (sec)	Sens.* (cm/g)	Damp* Ratio, ϵ	Damp* % crit.
IG114	71.064	RFT-250	262	S60E	.047	1.9*	6.4	50.8
		189	Palmdale Fire Stat.	S30W	.048	1.9*	13.0	63.2
			Storage Room	Down	.049	1.9*	11.8	61.8

---

* Static Magnification, $V_s = \omega_n^2 \cdot \text{Sensitivity} = \left(\frac{2\pi}{T_o(\text{sec})}\right)^2 \cdot \frac{\text{Sensitivity (cm/g)}}{980\ (\text{cm/sec}^2/\text{g})}$

Asterisked sensitivities are nominal values.

Damping Ratio, $\epsilon = \exp\left[\pi n/\sqrt{(1-n^2)}\right]$ where n is the fraction of critical damping.

Periods and damping values have been obtained by direct measurement of the calibration test records appearing at the beginning or end of the earthquake records. If none were present, the data were taken from the Seismological Field Survey's latest list (January, 1970).

Earthquake Data

The San Fernando, California, Earthquake of February 9, 1971, 0600 PST; epicenter, 34°24.0'N, 118°23.7'W; maximum intensity, XI; magnitude, (M_L), 6.6; depth, 13.0 km.

Errata for Previous Parts of Volume I

1. Volume I, Part B, Record IB21, Vernon, Mar. 10, 1933, 1754 PST, Component N82W, on Page 13: The units are seconds and G/100 instead of G/10.

2. Volume I, Part C, on Page 30: The last two lines on the left half page have been blocked out untidily. The last three lines should read:

36.355	0.038	36.387	-0.042	36.412	0.004	36.441	-0.064
36.452	-0.043	36.481	0.045	36.492	0.037	36.522	-0.010
36.536	0.007	36.562	-0.039	36.575	-0.035	36.601	0.003

3. Volume I, Part D. The address of records ID059, 60 and 61 is 1901 Avenue of The Stars. The number 1901 is either missing or appears as 1900 on the following pages: 2, 5, 93, 100, 107, 132 and 134.

References

A. General references on the San Fernando earthquake.

"The San Fernando, California, Earthquake of February 9, 1971", Geological Survey Professional Paper 733, a preliminary report published jointly by the U. S. Geological Survey and the National Oceanic and Atmospheric Administration.

"The San Fernando Earthquake 1971", California Geology, v. 24, n. 4-5, April-May 1971.

"The San Fernando Earthquake of February 9, 1971", National Academy of Sciences, Washington, D. C.

"The San Fernando, California Earthquake of February 9, 1971", U. S. Department of Commerce, National Bureau of Standards Report 10556, March 1971.

"Strong Motion Instrumental Data on the San Fernando Earthquake of February 9, 1971", D. E. Hudson, Ed., a joint report by the Earthquake Engineering Research Laboratory, California Institute of Technology, and the Seismological Field Survey, National Oceanic and Atmospheric Administration, September 1971.

"Engineering Features of the San Fernando Earthquake, February 9, 1971", Paul C. Jennings, Ed., Earthquake Engineering Research Laboratory, California Institute of Technology, Report No. EERL71.02, June 1971.

"Report of the Los Angeles County Earthquake Commission, San Fernando Earthquake, February 9, 1971", prepared for the Los Angeles Board of Supervisors, November 1971.

"The San Fernando Earthquake, February 9, 1971", Karl V. Steinbrugge, et al, Pacific Fire Rating Bureau, 465 California Street, San Francisco, California, August 1971.

"Map of Surface Breaks Resulting from the San Fernando, California, Earthquake of February 9, 1971", A. G. Barrows, et al, California Division of Mines and Geology, 1971.

"Engineering Aspects of the 1971 San Fernando Earthquake", Building Science Series 40, U. S. Department of Commerce, National Bureau of Standards, December 1971.

B. References describing particular records.

"Analysis of the Pacoima Dam Accelerograms - San Fernando, California, Earthquake of 1971", M. D. Trifunac and D. E. Hudson, Bull. Seis. Soc. Am., v. 61, no. 5, October 1971.

"Post-Earthquake Analysis" (Department of Water and Power Headquarters Building, Los Angeles, California). Structural Engineers Association of Southern California, February 1, 1972.

IG106
71.018 2/9/71 0600 PST C.I.T. SEISMOLOGICAL LAB. SOUTH

5445 POINTS 101.121 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.0923 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.102	0.009	-0.094	0.016	-0.043	0.021	0.017
0.025	0.069	0.029	0.101	0.032	0.129	0.035	0.129
0.043	0.085	0.047	0.061	0.053	-0.003	0.056	-0.051
0.064	-0.111	0.067	-0.135	0.075	-0.171	0.083	-0.151
0.090	-0.131	0.093	-0.087	0.099	-0.051	0.104	-0.019
0.110	0.001	0.117	-0.027	0.125	-0.059	0.132	-0.071
0.141	-0.067	0.151	-0.047	0.155	-0.015	0.159	0.017
0.165	0.061	0.172	0.105	0.179	0.129	0.190	0.101
0.196	0.061	0.201	0.021	0.206	-0.019	0.212	-0.055
0.219	-0.071	0.228	-0.047	0.235	-0.023	0.242	-0.003
0.249	-0.023	0.257	-0.075	0.261	-0.099	0.265	-0.171
0.270	-0.203	0.274	-0.239	0.279	-0.243	0.288	-0.219
0.293	-0.171	0.298	-0.131	0.304	-0.067	0.310	-0.019
0.314	0.044	0.319	0.084	0.325	0.112	0.331	0.132
0.339	0.116	0.346	0.084	0.352	0.048	0.357	0.008
0.361	-0.028	0.365	-0.056	0.371	-0.068	0.383	-0.032
0.390	0.016	0.396	0.060	0.406	0.084	0.413	0.092
0.420	0.052	0.428	-0.020	0.432	-0.084	0.438	-0.156
0.441	-0.192	0.446	-0.216	0.451	-0.188	0.458	-0.144
0.464	-0.101	0.468	-0.081	0.474	-0.073	0.480	-0.109
0.486	-0.141	0.488	-0.165	0.491	-0.169	0.499	-0.145
0.502	-0.093	0.505	-0.053	0.510	0.019	0.515	0.075
0.517	0.139	0.524	0.207	0.531	0.250	0.538	0.266
0.544	0.238	0.552	0.194	0.560	0.122	0.567	0.050
0.577	-0.006	0.583	-0.093	0.593	-0.169	0.601	-0.225
0.609	-0.265	0.621	-0.270	0.633	-0.250	0.642	-0.206
0.649	-0.146	0.658	-0.098	0.665	-0.030	0.677	0.050
0.685	0.137	0.693	0.201	0.703	0.233	0.711	0.213
0.719	0.161	0.725	0.097	0.731	0.041	0.740	0.013
0.749	-0.007	0.758	-0.031	0.765	-0.099	0.770	-0.163
0.774	-0.219	0.778	-0.251	0.785	-0.275	0.795	-0.243
0.803	-0.180	0.806	-0.116	0.812	-0.044	0.819	0.020
0.824	0.068	0.829	0.088	0.838	0.052	0.845	0.004
0.856	0.003	0.865	0.007	0.877	0.015	0.888	0.031
0.896	0.051	0.903	0.031	0.909	-0.017	0.920	-0.046
0.933	-0.062	0.940	-0.102	0.946	-0.130	0.951	-0.138
0.961	-0.102	0.972	-0.050	0.983	0.009	0.990	0.065
0.998	0.101	1.009	0.133	1.019	0.101	1.026	0.021
1.030	-0.047	1.035	-0.083	1.042	-0.131	1.050	-0.151
1.061	-0.155	1.070	-0.128	1.077	-0.072	1.082	-0.000

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
1.088	0.044	1.098	0.079	1.105	0.107	1.112	0.151
1.119	0.183	1.125	0.199	1.133	0.159	1.139	0.103
1.145	0.039	1.151	-0.029	1.157	-0.097	1.162	-0.149
1.175	-0.174	1.185	-0.190	1.193	-0.202	1.198	-0.186
1.209	-0.150	1.216	-0.099	1.222	-0.047	1.229	-0.019
1.238	0.017	1.244	0.073	1.252	0.128	1.261	0.156
1.264	0.148	1.277	0.176	1.287	0.192	1.297	0.159
1.305	0.115	1.311	0.067	1.320	0.007	1.330	-0.033
1.343	-0.077	1.357	-0.077	1.371	-0.086	1.379	-0.114
1.393	-0.150	1.400	-0.150	1.407	-0.098	1.414	-0.050
1.425	-0.018	1.438	-0.003	1.452	-0.019	1.464	-0.023
1.475	-0.031	1.487	-0.043	1.496	-0.040	1.505	-0.072
1.513	-0.124	1.522	-0.172	1.532	-0.208	1.541	-0.204
1.551	-0.156	1.557	-0.100	1.559	-0.025	1.563	0.075
1.567	0.147	1.572	0.195	1.583	0.243	1.588	0.219
1.596	0.207	1.604	0.210	1.612	0.226	1.620	0.194
1.628	0.134	1.636	0.078	1.639	-0.002	1.646	-0.062
1.650	-0.150	1.654	-0.206	1.662	-0.250	1.672	-0.226
1.679	-0.178	1.692	-0.138	1.703	-0.127	1.711	-0.111
1.716	-0.091	1.727	-0.099	1.734	-0.087	1.740	-0.039
1.748	0.009	1.757	0.057	1.769	0.081	1.773	0.112
1.780	0.156	1.792	0.184	1.801	0.172	1.807	0.156
1.818	0.184	1.825	0.196	1.834	0.180	1.839	0.100
1.845	-0.020	1.854	-0.124	1.862	-0.192	1.872	-0.296
1.880	-0.384	1.888	-0.448	1.900	-0.484	1.905	-0.496
1.914	-0.460	1.923	-0.408	1.929	-0.328	1.932	-0.244
1.935	-0.153	1.940	-0.049	1.946	0.035	1.949	0.127
1.954	0.195	1.962	0.250	1.970	0.306	1.981	0.366
1.988	0.402	2.000	0.414	2.008	0.362	2.017	0.278
2.020	0.190	2.025	0.082	2.031	0.010	2.037	-0.126
2.039	-0.194	2.046	-0.301	2.055	-0.393	2.064	-0.469
2.072	-0.553	2.079	-0.601	2.087	-0.565	2.093	-0.497
2.098	-0.410	2.107	-0.294	2.112	-0.166	2.118	0.018
2.125	0.105	2.132	0.185	2.141	0.233	2.149	0.273
2.158	0.369	2.166	0.425	2.173	0.469	2.175	0.477
2.185	0.421	2.197	0.341	2.206	0.265	2.212	0.169
2.218	0.081	2.223	0.009	2.229	-0.067	2.237	-0.139
2.250	-0.191	2.261	-0.263	2.266	-0.343	2.271	-0.427
2.276	-0.471	2.280	-0.479	2.286	-0.427	2.290	-0.347
2.295	-0.247	2.301	-0.179	2.312	-0.103	2.322	-0.024

2.330	0.016	2.339	0.044	2.349	0.036	2.357	0.036
2.364	0.080	2.378	0.144	2.383	0.120	2.392	0.072
2.399	0.076	2.409	0.104	2.421	0.119	2.438	0.111
2.450	0.079	2.459	-0.041	2.468	-0.057	2.479	-0.141
2.487	-0.228	2.497	-0.308	2.505	-0.272	2.523	-0.205
2.557	-0.201	2.570	-0.153	2.583	-0.033	2.590	0.062
2.602	0.138	2.610	0.170	2.627	0.146	2.644	0.098
2.662	-0.010	2.677	-0.094	2.685	-0.134	2.695	-0.122
2.705	-0.110	2.715	-0.126	2.719	-0.138	2.727	-0.110
2.738	-0.083	2.748	-0.079	2.753	-0.115	2.764	-0.147
2.778	-0.071	2.785	-0.007	2.792	0.073	2.797	0.141
2.804	0.240	2.815	0.352	2.825	0.404	2.836	0.376
2.842	0.300	2.848	0.168	2.856	-0.024	2.863	-0.188
2.869	-0.287	2.876	-0.367	2.883	-0.395	2.888	-0.403
2.897	-0.384	2.905	-0.336	2.913	-0.280	2.921	-0.220
2.926	-0.176	2.932	-0.156	2.938	-0.164	2.942	-0.196
2.948	-0.204	2.953	-0.161	2.958	-0.077	2.965	0.087
2.971	0.203	2.975	0.275	2.979	0.322	2.985	0.358
2.996	0.362	3.006	0.322	3.019	0.262	3.025	0.214
3.034	0.194	3.041	0.166	3.049	0.082	3.055	0.018
3.075	-0.026	3.083	-0.090	3.090	-0.142	3.100	-0.246
3.107	-0.338	3.111	-0.394	3.119	-0.446	3.125	-0.399
3.133	-0.255	3.139	-0.203	3.145	-0.159	3.150	-0.151
3.161	-0.199	3.172	-0.243	3.181	-0.208	3.187	-0.112
3.200	0.176	3.207	0.223	3.213	0.183	3.219	0.107
3.226	-0.064	3.232	-0.180	3.239	-0.256	3.244	-0.284
3.250	-0.296	3.259	-0.289	3.263	-0.241	3.271	-0.185
3.281	-0.137	3.282	-0.117	3.289	-0.157	3.294	-0.193
3.298	-0.217	3.304	-0.177	3.310	-0.110	3.315	0.026
3.320	0.118	3.323	0.202	3.327	0.250	3.333	0.274
3.354	0.193	3.362	0.145	3.367	0.102	3.372	0.074
3.381	0.105	3.390	0.153	3.395	0.173	3.404	0.121
3.410	0.033	3.420	-0.071	3.428	-0.095	3.442	-0.163
3.451	-0.235	3.459	-0.327	3.469	-0.446	3.480	-0.566
3.485	-0.598	3.493	-0.551	3.499	-0.471	3.506	-0.283
3.511	-0.079	3.516	0.084	3.523	0.268	3.527	0.384
3.534	0.468	3.540	0.531	3.549	0.571	3.561	0.527
3.569	0.443	3.579	0.331	3.586	0.215	3.597	0.124
3.607	0.040	3.613	0.008	3.622	0.027	3.632	0.047
3.644	-0.148	3.654	-0.276	3.659	-0.296	3.670	-0.288
3.680	-0.264	3.685	-0.260	3.695	-0.272	3.706	-0.312
3.714	-0.388	3.728	-0.484	3.736	-0.428	3.744	-0.336
3.753	-0.241	3.765	-0.161	3.775	-0.065	3.780	0.039
3.786	0.103	3.795	0.151	3.803	0.159	3.818	0.099
3.823	0.091	3.830	0.130	3.835	0.198	3.850	0.470
3.855	0.578	3.861	0.622	3.866	0.646	3.874	0.610
3.879	0.514	3.892	0.354	3.901	0.270	3.906	0.226
3.913	0.218	3.926	0.222	3.933	0.142	3.938	-0.014
3.948	-0.450	3.954	-0.641	3.958	-0.753	3.961	-0.865
3.964	-0.921	3.968	-0.937	3.977	-0.857	3.985	-0.714
3.994	-0.522	4.005	-0.370	4.011	-0.290	4.024	-0.235
4.034	-0.135	4.044	0.013	4.057	0.132	4.066	0.236
4.073	0.340	4.079	0.436	4.088	0.495	4.093	0.527
4.107	0.431	4.114	0.311	4.123	0.116	4.127	-0.108
4.134	-0.308	4.139	-0.452	4.144	-0.512	4.147	-0.532
4.153	-0.472	4.159	-0.348	4.165	-0.172	4.173	-0.077

4.173	0.011	4.186	0.075	4.196	0.099	4.204	0.063
4.209	-0.029	4.215	-0.129	4.218	-0.197	4.222	-0.253
4.228	-0.249	4.238	-0.161	4.251	-0.010	4.263	0.050
4.280	0.142	4.293	0.162	4.306	0.166	4.322	0.189
4.335	0.137	4.343	0.041	4.369	0.001	4.384	-0.107
4.395	-0.199	4.404	-0.131	4.414	-0.063	4.421	-0.019
4.424	-0.007	4.437	-0.067	4.449	-0.159	4.460	-0.271
4.474	-0.335	4.487	-0.295	4.497	-0.291	4.506	-0.327
4.515	-0.355	4.524	-0.355	4.536	-0.332	4.547	-0.252
4.561	-0.180	4.573	-0.184	4.588	-0.120	4.601	0.036
4.611	0.175	4.622	0.291	4.631	0.343	4.642	0.283
4.650	0.187	4.662	0.087	4.674	-0.013	4.682	-0.152
4.688	-0.288	4.693	-0.400	4.704	-0.424	4.717	-0.356
4.723	-0.284	4.731	-0.172	4.738	-0.008	4.745	0.136
4.752	0.224	4.762	0.276	4.770	0.216	4.780	0.112
4.789	-0.020	4.796	-0.100	4.802	-0.135	4.810	-0.076
4.817	-0.016	4.824	0.048	4.836	0.080	4.848	-0.015
4.858	-0.047	4.865	0.005	4.866	0.005	4.878	0.125
4.890	0.360	4.906	0.640	4.916	0.712	4.930	0.732
4.942	0.664	4.951	0.513	4.961	0.253	4.967	0.025
4.974	-0.198	4.984	-0.542	4.991	-0.705	5.000	-0.793
5.013	-0.821	5.020	-0.797	5.033	-0.622	5.050	-0.262
5.071	0.197	5.083	0.488	5.089	0.560	5.094	0.592
5.105	0.536	5.113	0.524	5.121	0.592	5.130	0.675
5.138	0.783	5.147	0.899	5.154	0.959	5.164	0.843
5.172	0.671	5.185	0.375	5.199	0.175	5.212	-0.008
5.225	-0.204	5.239	-0.348	5.263	-0.453	5.278	-0.513
5.289	-0.450	5.299	-0.342	5.312	-0.247	5.323	-0.207
5.337	-0.236	5.346	-0.296	5.351	-0.340	5.356	-0.360
5.364	-0.301	5.372	-0.121	5.381	0.094	5.389	0.238
5.396	0.293	5.405	0.245	5.411	0.125	5.420	-0.063
5.430	-0.319	5.440	-0.527	5.448	-0.647	5.452	-0.667
5.460	-0.611	5.467	-0.511	5.474	-0.288	5.484	-0.040
5.491	0.119	5.503	0.299	5.512	0.435	5.524	0.538
5.536	0.414	5.544	0.231	5.561	-0.177	5.570	-0.397
5.578	-0.529	5.587	-0.596	5.597	-0.621	5.605	-0.577
5.613	-0.525	5.628	-0.285	5.640	-0.110	5.648	-0.050
5.649	-0.018	5.659	-0.078	5.667	-0.202	5.677	-0.298
5.685	-0.354	5.701	-0.330	5.716	-0.206	5.731	-0.086
5.741	-0.042	5.752	-0.014	5.760	0.050	5.772	0.094
5.782	0.074	5.801	0.026	5.813	-0.038	5.825	0.030
5.838	0.158	5.847	0.206	5.851	0.238	5.863	0.130
5.875	0.054	5.882	-0.006	5.898	-0.009	5.914	0.043
5.933	-0.117	5.940	-0.137	5.945	-0.081	5.951	0.023
5.962	0.259	5.967	0.335	5.976	0.406	5.980	0.426
5.991	0.383	5.997	0.299	6.009	0.147	6.018	-0.037
6.032	-0.021	6.052	-0.001	6.066	0.091	6.081	0.203
6.089	0.219	6.106	0.119	6.123	0.131	6.135	0.079
6.153	-0.108	6.167	-0.200	6.170	-0.228	6.182	-0.184
6.208	-0.017	6.212	-0.001	6.223	-0.029	6.236	-0.064
6.245	-0.049	6.260	-0.009	6.270	-0.077	6.285	-0.177
6.302	-0.169	6.324	-0.384	6.331	-0.424	6.342	-0.389
6.357	-0.293	6.371	-0.237	6.381	-0.125	6.393	0.102
6.401	0.230	6.409	0.314	6.421	0.382	6.430	0.386
6.441	0.298	6.458	0.022	6.464	-0.022	6.471	-0.002
6.488	0.161	6.497	0.201	6.524	0.137	6.548	0.061

6.559	-0.023	6.575	-0.247	6.583	-0.323	6.594	-0.259
6.607	-0.095	6.616	0.028	6.623	0.076	6.637	-0.060
6.649	-0.148	6.658	-0.112	6.677	-0.012	6.689	-0.116
6.708	-0.396	6.714	-0.440	6.725	-0.344	6.734	-0.197
6.759	0.250	6.768	0.298	6.779	0.282	6.789	0.254
6.797	0.294	6.809	0.394	6.818	0.430	6.835	0.338
6.845	0.166	6.854	-0.042	6.866	-0.365	6.875	-0.605
6.883	-0.721	6.892	-0.785	6.903	-0.801	6.911	-0.761
6.927	-0.645	6.935	-0.361	6.949	-0.022	6.961	0.285
6.968	0.441	6.976	0.525	6.985	0.565	6.998	0.525
7.007	0.389	7.021	0.157	7.036	-0.014	7.044	-0.066
7.053	-0.006	7.064	0.093	7.075	0.149	7.089	0.089
7.103	-0.023	7.118	-0.206	7.132	-0.310	7.146	-0.350
7.159	-0.299	7.180	-0.027	7.196	0.109	7.206	0.156
7.222	0.108	7.236	0.008	7.248	-0.104	7.260	-0.132
7.271	-0.092	7.282	-0.052	7.292	-0.084	7.303	-0.084
7.315	-0.040	7.328	0.080	7.339	0.255	7.350	0.519
7.361	0.607	7.372	0.634	7.387	0.642	7.406	0.566
7.424	0.415	7.441	0.183	7.453	-0.025	7.465	-0.140
7.489	-0.304	7.503	-0.372	7.513	-0.440	7.533	-0.360
7.540	-0.176	7.552	0.095	7.563	0.327	7.571	0.415
7.584	0.419	7.594	0.331	7.610	0.191	7.616	0.127
7.631	0.023	7.649	-0.296	7.659	-0.516	7.667	-0.607
7.673	-0.651	7.695	-0.567	7.701	-0.351	7.714	-0.295
7.731	-0.327	7.753	-0.323	7.771	-0.278	7.785	-0.138
7.794	-0.006	7.805	0.161	7.815	0.229	7.817	0.245
7.829	0.186	7.843	-0.006	7.862	-0.113	7.873	-0.237
7.882	-0.301	7.895	-0.245	7.912	-0.177	7.929	-0.188
7.947	-0.109	7.960	-0.085	7.970	-0.137	7.983	-0.284
7.992	-0.348	8.002	-0.284	8.012	-0.121	8.024	0.031
8.034	0.107	8.043	0.083	8.054	0.015	8.067	-0.065
8.073	-0.069	8.086	0.011	8.100	0.119	8.110	0.151
8.121	0.083	8.128	0.027	8.131	0.019	8.146	0.099
8.162	0.175	8.174	0.203	8.186	0.075	8.198	-0.089
8.216	-0.280	8.232	-0.416	8.241	-0.484	8.255	-0.388
8.266	-0.220	8.281	-0.105	8.294	-0.073	8.305	-0.121
8.315	-0.133	8.329	-0.001	8.351	0.227	8.366	0.358
8.380	0.402	8.391	0.346	8.408	0.238	8.428	0.083
8.442	0.035	8.457	0.003	8.472	-0.121	8.483	-0.237
8.494	-0.413	8.504	-0.489	8.517	-0.537	8.526	-0.461
8.537	-0.301	8.556	-0.121	8.575	-0.085	8.594	0.055
8.607	0.227	8.619	0.382	8.628	0.478	8.644	0.514
8.661	0.423	8.672	0.299	8.685	0.071	8.696	-0.168
8.706	-0.368	8.717	-0.460	8.726	-0.472	8.747	-0.439
8.769	-0.419	8.792	-0.395	8.807	-0.315	8.819	-0.191
8.830	0.020	8.845	0.204	8.857	0.220	8.872	0.168
8.893	0.109	8.906	-0.007	8.918	-0.167	8.936	-0.298
8.951	-0.199	8.969	-0.123	8.990	-0.067	9.005	0.045
9.021	0.177	9.035	0.237	9.049	0.110	9.062	0.038
9.082	-0.022	9.109	-0.218	9.132	-0.233	9.152	-0.229
9.163	-0.177	9.184	0.043	9.196	0.119	9.207	0.135
9.213	0.111	9.223	0.091	9.234	0.127	9.249	0.139
9.265	0.032	9.280	-0.064	9.304	-0.131	9.320	-0.159
9.334	-0.099	9.352	0.029	9.368	0.149	9.387	0.137
9.405	0.125	9.425	0.158	9.445	0.102	9.458	-0.006
9.476	-0.137	9.491	-0.177	9.508	-0.133	9.531	-0.021

9.548	0.023	9.567	0.116	9.586	0.084	9.602	0.076
9.617	0.024	9.635	-0.087	9.646	-0.163	9.666	-0.231
9.680	-0.246	9.707	-0.154	9.730	-0.054	9.750	-0.030
9.770	0.054	9.781	0.082	9.816	-0.013	9.848	-0.129
9.879	-0.284	9.897	-0.348	9.916	-0.312	9.939	-0.283
9.957	-0.187	9.972	-0.079	9.985	0.077	9.997	0.117
10.019	0.005	10.038	-0.091	10.051	-0.142	10.080	-0.002
10.095	-0.022	10.118	-0.050	10.139	-0.034	10.155	-0.026
10.176	-0.061	10.196	-0.061	10.208	-0.021	10.227	0.047
10.239	0.067	10.250	0.015	10.273	-0.045	10.297	-0.084
10.315	-0.049	10.331	0.019	10.346	0.063	10.367	0.078
10.382	0.190	10.398	0.321	10.406	0.373	10.411	0.341
10.418	0.306	10.426	0.190	10.437	0.043	10.457	0.024
10.468	-0.007	10.479	-0.070	10.483	-0.094	10.492	-0.073
10.509	0.015	10.512	0.020	10.519	-0.016	10.535	-0.147
10.540	-0.167	10.548	-0.163	10.569	-0.023	10.580	-0.006
10.589	-0.026	10.605	-0.070	10.615	-0.097	10.624	-0.105
10.634	-0.105	10.643	-0.144	10.656	-0.208	10.663	-0.232
10.668	-0.216	10.683	-0.139	10.701	-0.059	10.712	0.025
10.722	0.137	10.733	0.182	10.738	0.202	10.747	0.174
10.759	0.090	10.773	-0.009	10.789	-0.069	10.816	-0.128
10.826	-0.100	10.847	0.032	10.856	0.060	10.873	0.029
10.882	0.049	10.901	0.149	10.928	0.225	10.947	0.253
10.960	0.249	10.982	0.173	11.001	0.121	11.013	0.053
11.027	-0.018	11.036	-0.046	11.049	-0.018	11.078	0.130
11.085	0.134	11.100	0.118	11.117	0.098	11.132	0.054
11.157	0.022	11.177	0.006	11.192	0.026	11.211	0.018
11.228	0.046	11.260	0.086	11.271	0.094	11.288	0.062
11.318	-0.022	11.329	-0.054	11.342	-0.046	11.363	0.002
11.375	0.014	11.387	-0.026	11.411	-0.178	11.417	-0.190
11.430	-0.170	11.448	-0.102	11.460	-0.098	11.474	-0.038
11.497	0.117	11.506	0.134	11.545	0.038	11.579	-0.082
11.595	-0.133	11.604	-0.105	11.637	0.015	11.654	0.051
11.663	0.059	11.675	0.039	11.700	-0.053	11.708	-0.065
11.724	-0.041	11.745	0.067	11.756	0.087	11.771	0.039
11.796	-0.124	11.816	-0.220	11.828	-0.284	11.842	-0.264
11.865	-0.224	11.891	-0.228	11.907	-0.168	11.925	-0.032
11.938	0.040	11.960	0.072	11.979	0.140	11.987	0.120
12.008	-0.008	12.034	-0.155	12.058	-0.259	12.068	-0.279
12.077	-0.251	12.115	-0.096	12.133	-0.076	12.139	-0.052
12.165	0.108	12.180	0.187	12.192	0.219	12.206	0.191
12.217	0.103	12.238	-0.105	12.248	-0.161	12.257	-0.165
12.281	-0.101	12.295	-0.141	12.305	-0.173	12.313	-0.145
12.328	-0.057	12.344	-0.025	12.363	0.046	12.371	0.062
12.385	0.030	12.407	-0.050	12.428	-0.066	12.441	-0.058
12.462	-0.134	12.479	-0.186	12.490	-0.194	12.511	-0.122
12.548	0.094	12.559	0.114	12.570	0.090	12.590	-0.038
12.598	-0.074	12.618	-0.066	12.627	-0.102	12.642	-0.134
12.652	-0.106	12.677	-0.027	12.683	-0.011	12.703	-0.051
12.710	-0.031	12.746	0.161	12.754	0.201	12.770	0.145
12.798	-0.043	12.811	-0.139	12.833	-0.311	12.841	-0.355
12.853	-0.327	12.874	-0.211	12.893	-0.179	12.906	-0.091
12.927	0.052	12.943	0.104	12.957	0.084	12.961	0.060
12.974	0.080	12.986	0.104	12.993	0.076	13.019	-0.120
13.031	-0.148	13.042	-0.136	13.065	-0.048	13.085	-0.053
13.103	-0.013	13.139	0.075	13.147	0.095	13.165	0.051

13.172	-0.029	13.183	-0.093	13.191	-0.117	13.210	-0.081
13.223	-0.061	13.245	-0.069	13.261	-0.038	13.276	0.006
13.294	0.006	13.319	0.038	13.350	-0.022	13.371	-0.041
13.394	-0.089	13.423	-0.073	13.445	-0.057	13.473	-0.022
13.496	-0.022	13.526	0.138	13.536	0.170	13.564	0.127
13.596	0.047	13.616	-0.001	13.636	0.019	13.642	0.023
13.662	-0.008	13.672	-0.028	13.685	-0.008	13.702	0.036
13.714	0.052	13.726	0.028	13.734	0.028	13.742	0.056
13.762	0.116	13.773	0.148	13.786	0.140	13.804	0.100
13.809	0.112	13.823	0.136	13.835	0.096	13.859	-0.036
13.876	-0.111	13.889	-0.139	13.903	-0.091	13.921	-0.028
13.934	0.044	13.947	0.076	13.959	0.044	13.976	-0.016
14.002	-0.016	14.025	-0.028	14.043	-0.055	14.049	-0.032
14.067	0.028	14.080	0.072	14.103	0.112	14.122	0.136
14.136	0.096	14.152	0.012	14.181	-0.096	14.202	-0.168
14.216	-0.236	14.233	-0.180	14.259	-0.040	14.277	0.036
14.301	0.064	14.335	0.036	14.350	0.091	14.371	0.135
14.384	0.087	14.415	-0.100	14.438	-0.116	14.455	-0.136
14.475	-0.148	14.491	-0.084	14.516	0.091	14.528	0.135
14.540	0.139	14.563	0.099	14.585	0.103	14.605	0.043
14.621	0.011	14.629	0.035	14.641	0.027	14.661	-0.005
14.682	-0.088	14.697	-0.132	14.714	-0.088	14.739	-0.017
14.758	0.067	14.776	0.127	14.794	0.063	14.811	-0.037
14.834	-0.157	14.858	-0.169	14.881	-0.145	14.896	-0.054
14.918	0.006	14.933	0.018	14.951	-0.006	14.974	-0.018
14.994	0.030	15.007	0.085	15.020	0.113	15.032	0.069
15.053	-0.019	15.067	-0.035	15.081	-0.023	15.090	-0.011
15.108	-0.070	15.133	-0.066	15.154	-0.054	15.171	-0.070
15.183	-0.078	15.191	-0.054	15.206	0.002	15.224	0.049
15.240	0.017	15.267	-0.070	15.284	-0.102	15.299	-0.070
15.320	-0.014	15.334	0.006	15.357	-0.002	15.372	0.019
15.395	0.067	15.417	-0.004	15.439	-0.012	15.465	-0.015
15.480	-0.007	15.495	-0.011	15.520	-0.026	15.537	0.010
15.552	0.034	15.572	0.047	15.595	0.003	15.612	-0.040
15.627	-0.128	15.636	-0.143	15.648	-0.095	15.664	-0.055
15.682	-0.063	15.712	-0.074	15.737	-0.061	15.758	-0.041
15.778	-0.076	15.798	-0.092	15.815	-0.060	15.835	-0.035
15.843	-0.027	15.859	-0.075	15.874	-0.094	15.892	-0.058
15.919	0.042	15.936	0.079	15.953	0.075	15.968	0.059
15.995	0.040	16.011	-0.016	16.024	-0.103	16.041	-0.159
16.056	-0.171	16.070	-0.154	16.097	-0.082	16.106	-0.050
16.119	-0.030	16.137	0.050	16.148	0.079	16.158	0.091
16.171	0.059	16.192	0.003	16.203	0.023	16.220	0.044
16.237	-0.012	16.260	-0.068	16.269	-0.035	16.287	0.021
16.301	0.049	16.317	-0.003	16.337	-0.050	16.366	-0.050
16.389	-0.054	16.412	-0.097	16.439	-0.133	16.460	-0.125
16.481	-0.093	16.502	-0.069	16.520	-0.014	16.549	0.066
16.569	0.094	16.586	0.074	16.603	0.030	16.624	0.054
16.640	0.026	16.661	-0.046	16.670	-0.085	16.686	-0.065
16.697	-0.053	16.712	-0.065	16.728	-0.089	16.741	-0.046
16.763	0.010	16.780	0.014	16.812	-0.022	16.829	-0.030
16.852	0.006	16.873	-0.002	16.896	-0.018	16.912	-0.030
16.942	0.022	16.956	0.014	16.980	-0.026	16.994	-0.042
17.011	-0.090	17.020	-0.130	17.035	-0.086	17.069	0.038
17.090	0.122	17.104	0.149	17.119	0.105	17.178	-0.150
17.193	-0.202	17.211	-0.143	17.224	-0.091	17.242	-0.067

17.264	0.029	17.278	0.088	17.291	0.116	17.316	0.068
17.346	0.012	17.377	-0.092	17.403	-0.140	17.430	-0.176
17.460	-0.064	17.489	0.079	17.504	0.131	17.530	0.111
17.559	0.035	17.602	-0.080	17.619	-0.124	17.636	-0.124
17.668	-0.045	17.706	0.046	17.721	0.050	17.735	0.002
17.755	-0.062	17.807	-0.107	17.821	-0.095	17.842	-0.012
17.860	0.032	17.873	0.044	17.892	0.020	17.923	-0.044
17.955	-0.120	17.968	-0.132	17.989	-0.092	17.999	-0.076
18.020	-0.092	18.034	-0.084	18.057	-0.000	18.077	0.048
18.093	0.052	18.112	0.016	18.146	-0.111	18.160	-0.123
18.183	-0.078	18.198	-0.042	18.211	-0.050	18.229	-0.094
18.238	-0.070	18.258	-0.042	18.275	-0.013	18.288	-0.029
18.308	-0.017	18.323	-0.005	18.339	-0.001	18.356	-0.045
18.377	-0.092	18.409	-0.088	18.427	-0.080	18.445	-0.052
18.456	-0.044	18.483	-0.036	18.498	-0.007	18.516	0.021
18.532	-0.015	18.556	-0.087	18.574	-0.082	18.590	-0.078
18.606	-0.078	18.629	-0.014	18.654	0.054	18.667	0.075
18.683	0.051	18.704	-0.013	18.729	-0.041	18.747	-0.068
18.766	-0.080	18.793	-0.064	18.829	-0.023	18.869	0.009
18.893	0.029	18.911	-0.006	18.931	-0.054	18.956	-0.046
18.988	-0.042	19.008	0.023	19.022	0.055	19.038	0.079
19.062	0.055	19.075	0.035	19.105	0.003	19.126	-0.048
19.147	-0.084	19.168	-0.088	19.196	-0.024	19.211	0.052
19.216	0.064	19.232	0.124	19.254	0.128	19.281	0.053
19.302	-0.015	19.327	-0.051	19.352	-0.079	19.374	-0.082
19.392	-0.070	19.407	-0.018	19.428	0.002	19.443	-0.018
19.466	-0.010	19.488	-0.014	19.513	-0.009	19.528	0.027
19.542	0.047	19.554	0.011	19.583	-0.077	19.600	-0.093
19.625	-0.069	19.648	-0.009	19.663	0.031	19.688	0.035
19.707	-0.009	19.726	-0.061	19.769	-0.065	19.799	-0.074
19.815	-0.086	19.835	-0.050	19.856	-0.002	19.887	0.013
19.924	0.017	19.945	-0.019	19.962	-0.059	19.981	-0.052
20.010	-0.040	20.027	-0.025	20.045	-0.025	20.065	-0.077
20.077	-0.089	20.098	-0.045	20.126	-0.018	20.154	0.010
20.171	0.030	20.186	-0.006	20.207	-0.058	20.224	-0.070
20.248	-0.062	20.268	-0.026	20.287	-0.037	20.305	-0.017
20.322	-0.001	20.343	-0.024	20.358	0.004	20.383	0.057
20.411	0.065	20.441	0.034	20.464	0.006	20.483	-0.005
20.499	-0.037	20.511	-0.044	20.528	-0.008	20.545	0.008
20.563	-0.027	20.583	-0.086	20.602	-0.062	20.625	-0.037
20.649	-0.037	20.677	-0.036	20.705	-0.040	20.735	-0.064
20.760	-0.076	20.784	-0.092	20.803	-0.084	20.826	-0.020
20.844	-0.004	20.864	-0.016	20.887	-0.061	20.907	-0.045
20.924	-0.042	20.949	-0.054	20.969	-0.039	20.984	-0.019
21.007	-0.023	21.033	-0.024	21.053	-0.020	21.075	-0.028
21.090	-0.060	21.105	-0.052	21.128	-0.007	21.150	0.029
21.180	-0.011	21.198	-0.011	21.223	0.002	21.244	0.002
21.267	-0.022	21.298	-0.005	21.319	-0.009	21.336	-0.017
21.358	-0.029	21.385	-0.076	21.409	-0.048	21.435	-0.024
21.458	-0.016	21.484	-0.004	21.504	-0.004	21.525	-0.004
21.551	0.001	21.575	-0.067	21.587	-0.099	21.607	-0.123
21.633	-0.039	21.649	0.029	21.669	0.069	21.690	0.033
21.710	-0.010	21.731	-0.054	21.750	-0.086	21.776	-0.162
21.804	-0.090	21.832	0.010	21.861	0.082	21.879	0.054
21.906	0.002	21.927	-0.050	21.954	-0.145	21.975	-0.085
21.990	-0.021	22.015	0.039	22.038	0.031	22.059	-0.013

22.076	-0.048	22.088	-0.076	22.104	-0.060	22.119	0.008
22.136	0.044	22.157	0.036	22.176	0.020	22.199	0.020
22.218	-0.003	22.244	0.025	22.265	0.013	22.274	0.005
22.305	-0.047	22.327	0.013	22.348	0.053	22.371	0.025
22.391	0.029	22.428	-0.059	22.449	-0.051	22.467	-0.043
22.494	-0.027	22.519	0.013	22.539	0.033	22.561	0.049
22.582	0.025	22.606	0.013	22.623	-0.027	22.641	-0.082
22.666	-0.122	22.688	-0.070	22.713	0.013	22.731	0.041
22.750	0.029	22.774	0.009	22.786	-0.007	22.814	-0.019
22.835	-0.059	22.851	-0.078	22.872	-0.082	22.894	-0.066
22.919	-0.023	22.940	0.009	22.965	0.041	22.985	0.045
23.005	0.013	23.028	-0.035	23.049	-0.066	23.073	-0.035
23.094	-0.007	23.114	-0.007	23.138	0.029	23.165	0.061
23.190	0.045	23.215	-0.007	23.239	-0.027	23.258	-0.043
23.279	-0.051	23.310	-0.019	23.349	0.029	23.382	0.033
23.395	0.037	23.423	0.049	23.444	0.013	23.469	-0.015
23.489	-0.015	23.520	-0.035	23.547	-0.019	23.577	0.001
23.599	0.001	23.625	0.021	23.646	0.029	23.667	0.029
23.693	0.021	23.713	-0.027	23.730	-0.086	23.748	-0.118
23.771	-0.090	23.798	-0.047	23.827	0.005	23.846	0.037
23.868	0.045	23.890	-0.003	23.921	-0.059	23.946	-0.055
23.975	-0.031	24.002	0.013	24.031	0.065	24.056	0.021
24.076	-0.015	24.101	-0.027	24.121	-0.027	24.151	0.005
24.178	-0.039	24.199	-0.039	24.226	-0.027	24.262	0.017
24.285	0.001	24.324	-0.051	24.348	-0.027	24.374	-0.015
24.401	-0.020	24.438	0.020	24.455	-0.013	24.475	-0.033
24.498	-0.025	24.514	-0.022	24.536	-0.042	24.557	-0.022
24.588	0.033	24.606	0.021	24.639	-0.028	24.667	-0.012
24.695	-0.020	24.716	-0.033	24.742	-0.041	24.765	0.011
24.780	0.034	24.804	0.010	24.844	-0.038	24.869	-0.039
24.890	-0.039	24.906	-0.027	24.938	-0.019	24.966	-0.019
24.987	-0.023	25.014	-0.035	25.049	-0.023	25.063	-0.023
25.084	-0.027	25.109	-0.027	25.128	-0.032	25.150	-0.044
25.183	-0.052	25.204	-0.036	25.223	-0.004	25.244	-0.004
25.265	-0.005	25.288	-0.017	25.308	-0.013	25.333	0.011
25.354	-0.041	25.377	-0.085	25.402	-0.054	25.429	-0.009
25.455	0.035	25.477	0.015	25.501	-0.017	25.529	-0.021
25.542	-0.033	25.571	-0.017	25.593	-0.029	25.635	-0.060
25.655	-0.052	25.691	-0.028	25.717	-0.020	25.748	-0.004
25.772	-0.003	25.794	-0.031	25.828	-0.079	25.851	-0.087
25.884	-0.043	25.912	-0.007	25.939	0.009	25.967	0.045
25.987	0.021	26.021	-0.055	26.046	-0.055	26.061	-0.051
26.093	-0.055	26.126	0.001	26.154	0.013	26.178	0.017
26.205	-0.015	26.240	-0.055	26.269	-0.074	26.302	-0.031
26.329	0.013	26.355	0.037	26.381	-0.003	26.402	-0.031
26.421	-0.051	26.439	-0.070	26.479	-0.019	26.508	0.021
26.531	0.041	26.554	0.001	26.577	-0.035	26.612	-0.011
26.635	-0.047	26.672	-0.015	26.699	-0.015	26.723	-0.011
26.751	-0.011	26.771	-0.011	26.792	-0.007	26.820	-0.011
26.846	-0.019	26.870	-0.031	26.900	-0.051	26.922	-0.027
26.947	0.001	26.971	-0.007	26.999	0.009	27.023	-0.015
27.060	-0.027	27.086	-0.027	27.119	-0.019	27.138	-0.015
27.160	-0.019	27.177	-0.027	27.205	-0.039	27.238	-0.039
27.269	-0.031	27.295	-0.015	27.321	-0.003	27.349	-0.007
27.372	-0.008	27.392	-0.008	27.408	-0.008	27.436	-0.004
27.468	-0.032	27.494	-0.040	27.518	-0.037	27.549	-0.005

27.580	0.027	27.612	-0.005	27.642	-0.010	27.664	-0.018
27.697	-0.038	27.705	-0.038	27.723	-0.022	27.744	-0.018
27.770	-0.038	27.794	-0.014	27.816	-0.002	27.851	-0.026
27.874	-0.034	27.908	-0.059	27.932	-0.023	27.953	0.009
27.969	0.009	27.985	-0.003	28.006	-0.031	28.025	-0.063
28.048	-0.086	28.073	-0.063	28.094	-0.019	28.114	0.029
28.140	0.053	28.166	0.025	28.182	-0.007	28.201	-0.035
28.237	-0.086	28.265	-0.066	28.293	-0.023	28.327	0.033
28.350	0.013	28.376	0.009	28.398	-0.003	28.426	-0.019
28.450	-0.047	28.479	-0.015	28.503	0.017	28.532	0.021
28.566	0.029	28.592	0.001	28.620	-0.019	28.644	-0.023
28.674	-0.011	28.701	-0.031	28.723	0.017	28.741	0.029
28.766	0.017	28.789	-0.015	28.814	-0.043	28.843	-0.063
28.875	-0.054	28.899	-0.050	28.931	-0.025	28.954	-0.013
28.972	-0.016	28.999	0.000	29.041	0.005	29.072	-0.026
29.092	-0.050	29.116	-0.034	29.140	-0.033	29.163	-0.009
29.205	0.040	29.241	-0.043	29.263	-0.042	29.286	-0.034
29.319	-0.049	29.343	0.007	29.361	0.032	29.387	-0.012
29.417	-0.040	29.444	-0.061	29.466	-0.022	29.495	-0.006
29.523	-0.051	29.549	-0.011	29.569	0.016	29.600	-0.005
29.624	-0.005	29.650	-0.014	29.670	-0.030	29.696	-0.003
29.721	-0.028	29.746	-0.037	29.768	-0.002	29.788	0.013
29.817	-0.024	29.842	-0.009	29.863	0.002	29.884	-0.026
29.905	-0.027	29.933	-0.044	29.951	-0.048	29.977	-0.012
29.992	-0.005	30.012	-0.005	30.033	-0.029	30.057	-0.021
30.081	-0.022	30.114	-0.058	30.145	-0.046	30.179	-0.043
30.203	-0.015	30.228	0.009	30.259	-0.023	30.292	-0.039
30.305	-0.039	30.329	-0.039	30.351	-0.007	30.372	-0.023
30.396	-0.039	30.420	-0.058	30.432	-0.058	30.450	-0.038
30.466	-0.014	30.490	-0.034	30.515	-0.014	30.531	-0.002
30.555	-0.018	30.585	-0.038	30.607	-0.038	30.636	-0.025
30.660	-0.001	30.685	-0.005	30.706	0.007	30.731	-0.033
30.759	-0.044	30.787	-0.056	30.828	-0.004	30.843	-0.028
30.871	-0.024	30.895	-0.023	30.929	-0.055	30.957	-0.027
30.989	-0.015	31.012	-0.047	31.046	-0.035	31.081	-0.039
31.113	-0.003	31.133	-0.011	31.156	-0.019	31.194	-0.066
31.217	-0.051	31.244	-0.031	31.270	-0.023	31.291	-0.011
31.317	-0.007	31.342	-0.019	31.367	-0.039	31.395	-0.063
31.422	-0.039	31.446	-0.019	31.478	-0.003	31.503	0.005
31.517	0.013	31.525	0.009	31.538	-0.011	31.553	-0.031
31.566	-0.035	31.576	-0.051	31.589	-0.070	31.599	-0.078
31.611	-0.070	31.625	-0.059	31.643	-0.031	31.656	-0.015
31.668	0.005	31.680	0.025	31.693	0.045	31.704	0.049
31.719	0.049	31.732	0.037	31.748	0.009	31.764	-0.035
31.775	-0.087	31.784	-0.135	31.791	-0.171	31.797	-0.167
31.809	-0.119	31.827	-0.015	31.841	0.057	31.849	0.081
31.860	0.065	31.880	0.009	31.896	-0.047	31.906	-0.071
31.921	-0.083	31.932	-0.095	31.941	-0.115	31.951	-0.099
31.967	-0.059	31.990	-0.008	32.007	0.024	32.031	0.096
32.041	0.112	32.048	0.099	32.076	-0.025	32.089	-0.077
32.098	-0.113	32.105	-0.121	32.114	-0.105	32.133	-0.049
32.142	-0.042	32.152	-0.070	32.168	-0.102	32.174	-0.094
32.193	-0.042	32.208	-0.019	32.234	-0.023	32.252	-0.031
32.263	-0.051	32.280	-0.100	32.290	-0.132	32.297	-0.136
32.307	-0.104	32.353	0.027	32.370	0.070	32.384	0.098
32.390	0.098	32.400	0.066	32.418	-0.026	32.427	-0.051

32.444	-0.035	32.458	-0.039	32.478	-0.063	32.500	-0.076
32.513	-0.112	32.522	-0.108	32.539	-0.056	32.564	0.071
32.576	0.099	32.583	0.087	32.598	0.031	32.623	-0.073
32.634	-0.117	32.645	-0.133	32.654	-0.133	32.660	-0.130
32.680	-0.066	32.694	-0.046	32.701	-0.062	32.719	-0.090
32.729	-0.054	32.750	0.030	32.763	0.054	32.771	0.038
32.789	-0.014	32.798	-0.026	32.815	-0.010	32.823	-0.026
32.841	-0.098	32.852	-0.098	32.862	-0.074	32.883	-0.015
32.893	0.005	32.904	-0.011	32.932	-0.074	32.948	-0.126
32.959	-0.146	32.969	-0.126	32.987	-0.051	33.010	0.053
33.026	0.085	33.040	0.069	33.064	0.001	33.078	-0.027
33.099	-0.098	33.112	-0.138	33.122	-0.150	33.134	-0.126
33.156	-0.074	33.170	-0.039	33.186	-0.023	33.209	-0.039
33.229	-0.019	33.250	-0.019	33.266	-0.019	33.278	-0.007
33.292	0.021	33.303	0.029	33.317	0.001	33.333	-0.027
33.341	-0.051	33.352	-0.035	33.365	-0.023	33.378	-0.047
33.400	-0.114	33.412	-0.138	33.423	-0.134	33.440	-0.106
33.462	-0.059	33.482	-0.015	33.498	0.009	33.514	0.017
33.530	0.005	33.551	-0.035	33.570	-0.082	33.590	-0.078
33.617	-0.070	33.631	-0.059	33.646	-0.039	33.662	-0.019
33.678	0.013	33.692	0.029	33.704	0.021	33.721	-0.003
33.733	-0.023	33.746	-0.015	33.762	-0.047	33.783	-0.102
33.798	-0.114	33.806	-0.090	33.831	-0.023	33.846	0.005
33.864	0.013	33.880	0.021	33.889	0.005	33.909	-0.035
33.925	-0.066	33.941	-0.074	33.957	-0.059	33.980	-0.031
33.998	-0.011	34.009	-0.003	34.027	-0.023	34.049	-0.015
34.071	-0.023	34.088	-0.027	34.114	-0.051	34.125	-0.039
34.142	-0.011	34.156	0.001	34.165	-0.019	34.178	-0.043
34.192	-0.027	34.214	-0.023	34.236	-0.031	34.249	-0.051
34.269	-0.066	34.281	-0.063	34.299	-0.035	34.315	-0.027
34.330	-0.019	34.349	-0.027	34.363	-0.014	34.378	-0.014
34.398	-0.022	34.420	-0.002	34.433	-0.010	34.455	-0.030
34.475	-0.038	34.495	-0.042	34.512	-0.066	34.525	-0.042
34.541	-0.034	34.560	-0.030	34.579	-0.026	34.596	-0.013
34.612	-0.001	34.629	0.011	34.640	-0.005	34.657	-0.045
34.671	-0.069	34.684	-0.077	34.697	-0.069	34.720	-0.049
34.735	-0.033	34.753	-0.025	34.770	-0.029	34.790	-0.021
34.805	-0.025	34.822	-0.033	34.837	-0.041	34.860	-0.041
34.885	-0.057	34.899	-0.049	34.915	-0.029	34.935	-0.017
34.950	-0.021	34.966	-0.033	34.982	-0.057	34.993	-0.069
35.014	-0.033	35.024	-0.042	35.045	-0.082	35.058	-0.066
35.081	-0.010	35.096	0.010	35.112	0.002	35.132	0.022
35.148	0.018	35.164	-0.010	35.178	-0.034	35.203	-0.042
35.223	-0.058	35.236	-0.046	35.250	-0.035	35.267	-0.019
35.282	-0.035	35.298	-0.007	35.312	0.021	35.333	0.009
35.352	-0.019	35.371	-0.059	35.380	-0.071	35.405	-0.055
35.422	-0.039	35.433	-0.027	35.449	-0.011	35.464	-0.015
35.481	-0.035	35.500	-0.055	35.516	-0.059	35.529	-0.067
35.542	-0.043	35.569	0.000	35.583	0.020	35.594	0.028
35.605	0.016	35.629	-0.040	35.644	-0.060	35.655	-0.073
35.670	-0.053	35.690	-0.033	35.713	-0.025	35.728	-0.013
35.745	0.006	35.756	-0.010	35.777	-0.046	35.792	-0.046
35.813	-0.038	35.834	-0.047	35.851	-0.043	35.874	-0.027
35.893	-0.031	35.923	-0.036	35.947	-0.048	35.968	-0.036
35.996	-0.025	36.020	-0.017	36.044	-0.013	36.062	-0.021
36.079	-0.034	36.094	-0.046	36.108	-0.026	36.128	-0.010

36.139	-0.010	36.162	-0.019	36.181	-0.031	36.193	-0.043
36.214	-0.019	36.227	-0.035	36.248	-0.052	36.261	-0.056
36.278	-0.056	36.290	-0.036	36.310	-0.013	36.332	-0.017
36.350	-0.001	36.362	-0.013	36.383	-0.029	36.397	-0.026
36.417	-0.010	36.434	-0.034	36.452	-0.054	36.461	-0.042
36.477	-0.022	36.497	0.002	36.512	-0.002	36.529	-0.022
36.549	-0.058	36.569	-0.066	36.588	-0.063	36.601	-0.059
36.618	-0.039	36.633	-0.043	36.652	-0.055	36.673	-0.055
36.700	-0.051	36.714	-0.043	36.731	-0.027	36.744	-0.039
36.758	-0.066	36.774	-0.059	36.802	-0.059	36.822	-0.047
36.840	-0.039	36.854	-0.043	36.874	-0.063	36.892	-0.055
36.924	-0.043	36.946	-0.027	36.961	-0.023	36.979	-0.039
36.995	-0.047	37.017	-0.031	37.033	-0.043	37.052	-0.051
37.077	-0.039	37.103	-0.055	37.123	-0.051	37.147	-0.031
37.161	-0.039	37.184	-0.043	37.208	-0.051	37.229	-0.059
37.247	-0.063	37.263	-0.043	37.283	-0.026	37.309	-0.026
37.326	-0.006	37.337	-0.022	37.355	-0.038	37.373	-0.062
37.386	-0.054	37.404	-0.030	37.427	-0.026	37.447	-0.026
37.472	-0.018	37.499	-0.022	37.522	-0.025	37.544	-0.037
37.560	-0.033	37.582	-0.021	37.604	-0.041	37.625	-0.029
37.647	-0.028	37.669	-0.056	37.688	-0.044	37.707	-0.032
37.730	-0.048	37.752	-0.019	37.766	0.001	37.786	-0.015
37.807	-0.039	37.830	-0.055	37.847	-0.055	37.859	-0.066
37.871	-0.066	37.886	-0.050	37.904	-0.038	37.929	-0.046
37.944	-0.042	37.961	-0.022	37.971	-0.034	37.987	-0.041
37.999	-0.029	38.016	-0.009	38.029	-0.017	38.052	-0.032
38.071	-0.032	38.091	-0.035	38.107	-0.027	38.127	-0.018
38.149	-0.018	38.159	-0.018	38.180	-0.029	38.206	-0.024
38.228	-0.024	38.244	-0.027	38.265	-0.034	38.284	-0.042
38.300	-0.041	38.312	-0.029	38.324	-0.017	38.336	-0.008
38.345	-0.020	38.361	-0.035	38.373	-0.039	38.394	-0.038
38.408	-0.042	38.425	-0.049	38.439	-0.045	38.458	-0.025
38.476	-0.005	38.491	0.011	38.510	0.020	38.527	0.008
38.550	-0.012	38.571	-0.028	38.590	-0.043	38.605	-0.043
38.624	-0.027	38.642	-0.007	38.658	0.005	38.673	0.013
38.696	0.013	38.716	0.005	38.732	-0.003	38.747	-0.011
38.766	-0.027	38.782	-0.015	38.800	-0.003	38.835	-0.003
38.856	-0.003	38.872	-0.011	38.890	-0.031	38.909	-0.047
38.933	-0.043	38.951	-0.043	38.969	-0.035	38.989	-0.011
39.008	-0.007	39.026	0.001	39.040	0.001	39.060	-0.011
39.080	-0.019	39.101	-0.015	39.129	-0.019	39.151	-0.023
39.168	-0.035	39.188	-0.035	39.205	-0.035	39.219	-0.023
39.238	0.005	39.256	0.029	39.274	0.037	39.288	0.021
39.309	-0.003	39.341	0.005	39.356	-0.011	39.385	-0.031
39.403	-0.039	39.420	-0.027	39.446	-0.015	39.463	-0.019
39.482	0.005	39.510	0.001	39.530	0.009	39.553	-0.007
39.598	-0.007	39.615	-0.011	39.631	-0.023	39.646	-0.035
39.660	-0.039	39.676	-0.031	39.706	-0.023	39.732	-0.007
39.748	0.013	39.765	0.013	39.781	-0.007	39.821	-0.007
39.837	-0.007	39.858	-0.031	39.878	-0.051	39.889	-0.043
39.907	-0.027	39.925	-0.015	39.943	-0.003	39.963	0.017
39.973	0.017	39.985	0.001	40.004	-0.015	40.025	-0.011
40.045	-0.031	40.080	-0.035	40.097	-0.043	40.116	-0.031
40.139	-0.011	40.163	0.009	40.178	0.009	40.190	0.005
40.203	-0.011	40.220	-0.039	40.233	-0.043	40.247	-0.023
40.258	-0.031	40.278	-0.047	40.297	-0.047	40.320	-0.039

40.347	-0.035	40.377	-0.027	40.397	-0.027	40.416	-0.011
40.435	-0.011	40.458	-0.011	40.474	-0.035	40.489	-0.027
40.509	-0.022	40.535	-0.042	40.559	-0.026	40.587	-0.030
40.611	-0.022	40.629	-0.034	40.647	-0.050	40.660	-0.042
40.684	-0.014	40.704	0.014	40.721	0.010	40.743	-0.010
40.767	-0.010	40.792	-0.017	40.817	-0.021	40.828	-0.021
40.847	-0.005	40.868	0.003	40.880	-0.005	40.900	-0.021
40.924	-0.025	40.942	-0.032	40.962	-0.048	40.978	-0.032
41.001	-0.008	41.021	-0.008	41.044	-0.008	41.072	-0.028
41.091	-0.028	41.106	-0.039	41.127	-0.059	41.138	-0.047
41.159	-0.015	41.205	-0.015	41.234	-0.023	41.267	-0.014
41.283	-0.014	41.296	-0.018	41.326	-0.030	41.333	-0.030
41.351	-0.030	41.374	-0.038	41.408	-0.017	41.437	-0.037
41.477	-0.021	41.515	-0.013	41.562	-0.016	41.588	-0.028
41.620	-0.048	41.641	-0.051	41.669	-0.043	41.689	-0.023
41.710	-0.018	41.752	-0.018	41.773	-0.026	41.804	-0.057
41.821	-0.073	41.844	-0.044	41.887	-0.007	41.936	-0.010
41.978	-0.037	42.013	-0.037	42.024	-0.033	42.037	-0.033
42.047	-0.033	42.057	-0.033	42.066	-0.033	42.078	-0.033
42.093	-0.029	42.106	-0.025	42.118	-0.025	42.127	-0.025
42.141	-0.033	42.151	-0.029	42.163	-0.021	42.176	-0.017
42.184	-0.021	42.196	-0.033	42.207	-0.025	42.229	-0.021
42.245	-0.010	42.266	-0.010	42.284	-0.010	42.300	-0.014
42.318	-0.022	42.338	-0.034	42.349	-0.038	42.361	-0.042
42.370	-0.026	42.383	-0.025	42.398	-0.022	42.415	-0.026
42.434	-0.026	42.453	-0.022	42.471	-0.022	42.485	-0.018
42.499	-0.015	42.515	-0.011	42.540	-0.010	42.557	-0.010
42.572	-0.014	42.595	-0.018	42.611	-0.018	42.630	-0.018
42.649	-0.018	42.672	-0.010	42.696	-0.009	42.717	-0.009
42.742	-0.009	42.757	-0.017	42.776	-0.017	42.791	-0.017
42.809	-0.017	42.826	-0.017	42.841	-0.017	42.855	-0.016
42.870	-0.012	42.885	-0.012	42.898	-0.012	42.915	-0.012
42.930	-0.008	42.944	-0.004	42.964	-0.007	42.977	-0.023
42.989	-0.023	43.007	-0.023	43.023	-0.023	43.037	-0.023
43.053	-0.022	43.075	-0.026	43.091	-0.018	43.106	-0.018
43.116	-0.014	43.130	-0.014	43.137	-0.022	43.149	-0.010
43.160	-0.006	43.171	0.010	43.186	0.010	43.201	0.002
43.221	-0.014	43.237	-0.018	43.257	-0.022	43.267	-0.022
43.277	-0.018	43.291	-0.022	43.301	-0.014	43.312	-0.002
43.323	0.002	43.330	0.010	43.343	0.022	43.351	0.026
43.366	0.022	43.380	0.014	43.395	0.013	43.413	0.013
43.425	0.009	43.442	-0.003	43.451	-0.007	43.462	-0.011
43.475	-0.015	43.488	-0.011	43.502	-0.012	43.520	-0.012
43.533	-0.012	43.548	-0.012	43.566	-0.012	43.583	-0.013
43.595	-0.005	43.609	-0.009	43.619	-0.009	43.629	-0.017
43.640	-0.025	43.652	-0.025	43.666	-0.018	43.682	-0.018
43.699	-0.009	43.714	-0.009	43.730	-0.009	43.739	-0.017
43.750	-0.025	43.772	-0.025	43.788	-0.021	43.804	-0.009
43.830	-0.009	43.856	-0.009	43.879	-0.009	43.895	-0.009
43.910	-0.016	43.923	-0.024	43.939	-0.016	43.952	-0.016
43.963	-0.028	43.976	-0.040	43.988	-0.039	44.006	-0.027
44.020	-0.027	44.036	-0.023	44.049	-0.011	44.066	-0.006
44.083	-0.006	44.102	-0.010	44.121	-0.010	44.137	-0.010
44.154	-0.018	44.163	-0.022	44.184	-0.022	44.209	-0.022
44.229	-0.018	44.232	-0.010	44.247	-0.010	44.253	-0.002
44.263	-0.002	44.273	0.006	44.284	-0.002	44.298	-0.018

44.319	-0.018	44.337	-0.019	44.357	-0.023	44.380	-0.027
44.406	-0.024	44.424	-0.024	44.443	-0.025	44.459	-0.021
44.475	-0.022	44.492	-0.022	44.509	-0.019	44.530	-0.011
44.548	-0.011	44.562	-0.016	44.575	-0.020	44.596	-0.028
44.607	-0.029	44.628	-0.021	44.644	-0.009	44.662	-0.010
44.676	-0.006	44.695	-0.006	44.711	-0.007	44.726	-0.007
44.740	-0.007	44.752	-0.015	44.767	-0.012	44.793	-0.007
44.814	-0.003	44.836	0.001	44.857	0.001	44.876	0.005
44.888	0.001	44.904	-0.011	44.917	-0.011	44.926	-0.015
44.935	-0.015	44.951	-0.011	44.974	-0.007	44.994	-0.007
45.019	-0.014	45.039	-0.014	45.057	-0.014	45.077	-0.014
45.100	-0.013	45.122	-0.013	45.144	-0.009	45.171	-0.008
45.199	-0.004	45.217	0.004	45.229	0.004	45.241	0.000
45.259	-0.011	45.278	-0.011	45.302	-0.011	45.323	-0.007
45.342	-0.003	45.357	-0.003	45.377	0.001	45.392	0.013
45.408	0.021	45.429	0.009	45.446	0.001	45.465	-0.011
45.482	-0.015	45.493	-0.019	45.512	-0.011	45.531	0.001
45.545	0.005	45.564	0.005	45.580	-0.003	45.600	-0.007
45.618	-0.015	45.641	-0.015	45.650	-0.015	45.667	-0.011
45.682	-0.019	45.698	-0.027	45.716	-0.016	45.734	-0.012
45.754	-0.012	45.773	-0.012	45.791	-0.012	45.810	-0.012
45.829	-0.020	45.852	-0.020	45.869	-0.020	45.887	-0.016
45.908	-0.016	45.925	-0.008	45.944	-0.008	45.966	-0.008
45.989	-0.005	46.008	-0.005	46.023	-0.013	46.038	-0.029
46.050	-0.029	46.063	-0.029	46.079	-0.021	46.096	-0.009
46.112	-0.001	46.127	0.003	46.145	0.003	46.162	-0.005
46.178	-0.017	46.195	-0.025	46.216	-0.029	46.240	-0.029
46.244	-0.029	46.250	-0.025	46.262	-0.025	46.273	-0.025
46.287	-0.025	46.305	-0.021	46.315	-0.013	46.332	-0.017
46.351	-0.017	46.366	-0.021	46.386	-0.021	46.398	-0.017
46.408	-0.009	46.420	-0.001	46.432	-0.005	46.441	-0.013
46.459	-0.017	46.482	-0.017	46.496	-0.017	46.511	-0.009
46.529	-0.009	46.543	-0.009	46.559	-0.005	46.576	-0.013
46.589	-0.017	46.601	-0.021	46.616	-0.017	46.637	-0.017
46.659	-0.017	46.674	-0.013	46.689	-0.005	46.705	-0.001
46.720	-0.001	46.742	-0.005	46.763	-0.013	46.780	-0.017
46.801	-0.017	46.820	-0.009	46.827	-0.001	46.839	0.011
46.850	0.019	46.867	0.007	46.900	0.003	46.915	-0.001
46.945	-0.005	46.967	-0.005	46.989	-0.001	47.012	0.003
47.034	0.003	47.056	-0.001	47.067	-0.001	47.084	-0.001
47.099	0.007	47.119	0.007	47.139	0.007	47.159	-0.001
47.191	-0.005	47.215	-0.005	47.242	-0.001	47.247	0.003
47.265	0.011	47.290	0.007	47.293	-0.005	47.319	-0.001
47.342	0.003	47.366	0.003	47.397	0.003	47.398	0.003
47.418	-0.001	47.435	-0.001	47.455	0.003	47.479	0.003
47.494	0.003	47.511	-0.001	47.527	-0.005	47.552	-0.005
47.568	-0.005	47.591	-0.005	47.607	-0.001	47.629	-0.001
47.657	-0.001	47.673	-0.001	47.696	-0.001	47.707	-0.005
47.722	-0.005	47.744	-0.005	47.762	-0.005	47.793	-0.005
47.825	-0.005	47.849	-0.005	47.871	-0.005	47.899	-0.006
47.927	-0.010	47.958	-0.010	47.981	-0.010	48.004	-0.010
48.019	-0.010	48.049	-0.002	48.064	-0.003	48.085	-0.003
48.105	-0.003	48.124	-0.007	48.146	-0.007	48.166	-0.007
48.185	-0.007	48.208	-0.008	48.233	-0.008	48.250	-0.008
48.275	-0.004	48.297	-0.004	48.331	-0.005	48.357	-0.005
48.386	-0.005	48.417	-0.009	48.432	-0.010	48.454	-0.018

48.474	-0.026	48.490	-0.026	48.517	-0.026	48.545	-0.018
48.568	-0.011	48.591	-0.003	48.606	-0.007	48.624	-0.011
48.642	-0.019	48.658	-0.019	48.672	-0.011	48.688	-0.008
48.703	-0.008	48.718	-0.008	48.737	-0.008	48.763	-0.008
48.777	-0.008	48.797	-0.008	48.821	-0.009	48.850	-0.009
48.864	-0.009	48.883	-0.006	48.901	-0.002	48.925	-0.002
48.939	-0.003	48.965	-0.007	48.993	-0.012	49.028	-0.012
49.053	-0.009	49.083	-0.005	49.109	-0.006	49.132	-0.002
49.162	0.001	49.181	0.001	49.197	-0.011	49.224	-0.016
49.243	-0.016	49.262	-0.013	49.286	-0.005	49.311	-0.010
49.335	-0.014	49.364	-0.015	49.394	-0.015	49.416	-0.016
49.440	-0.016	49.457	-0.017	49.478	-0.009	49.495	-0.010
49.510	-0.010	49.525	-0.018	49.542	-0.019	49.555	-0.023
49.579	-0.023	49.593	-0.024	49.617	-0.024	49.642	-0.016
49.663	-0.020	49.688	-0.012	49.712	-0.013	49.732	-0.005
49.751	-0.013	49.773	-0.025	49.809	-0.025	49.835	-0.014
49.860	-0.002	49.877	-0.002	49.905	-0.006	49.928	-0.006
49.937	-0.018	49.949	-0.022	49.974	-0.023	49.986	-0.015
50.002	-0.011	50.022	-0.015	50.051	-0.015	50.076	-0.019
50.094	-0.007	50.122	-0.007	50.152	-0.003	50.172	-0.003
50.202	-0.011	50.228	-0.031	50.247	-0.035	50.266	-0.023
50.286	-0.007	50.318	-0.008	50.334	0.000	50.349	0.004
50.358	0.004	50.369	0.012	50.384	-0.000	50.393	-0.020
50.416	-0.024	50.440	-0.025	50.458	-0.033	50.471	-0.021
50.486	-0.001	50.496	0.003	50.516	-0.005	50.529	-0.021
50.545	-0.009	50.565	-0.010	50.579	-0.014	50.592	-0.014
50.626	-0.018	50.651	-0.010	50.667	-0.014	50.686	-0.011
50.714	-0.003	50.735	-0.003	50.762	0.001	50.781	0.001
50.803	-0.008	50.822	-0.020	50.842	-0.004	50.870	-0.004
50.897	-0.004	50.925	-0.005	50.935	-0.021	50.952	-0.029
50.964	-0.029	50.981	-0.021	50.994	-0.009	51.018	-0.005
51.037	-0.002	51.061	-0.002	51.078	-0.002	51.091	-0.014
51.109	-0.013	51.134	-0.029	51.152	-0.029	51.166	-0.033
51.188	-0.017	51.208	-0.017	51.228	-0.009	51.260	-0.009
51.282	-0.009	51.305	-0.013	51.326	-0.021	51.351	-0.013
51.381	-0.013	51.398	-0.001	51.415	-0.000	51.426	-0.016
51.454	-0.016	51.479	-0.016	51.507	-0.015	51.527	-0.011
51.548	-0.011	51.564	-0.011	51.603	-0.010	51.621	-0.014
51.637	-0.018	51.657	-0.018	51.688	-0.017	51.712	-0.017
51.737	-0.009	51.755	-0.013	51.781	-0.024	51.790	-0.032
51.814	-0.032	51.836	-0.028	51.869	-0.016	51.887	-0.019
51.910	-0.019	51.936	-0.019	51.961	-0.019	51.985	-0.026
51.992	-0.022	52.031	-0.022	52.050	-0.022	52.080	-0.013
52.109	-0.013	52.118	-0.021	52.144	-0.025	52.167	-0.028
52.193	-0.028	52.216	-0.028	52.252	-0.020	52.277	-0.019
52.309	-0.019	52.342	-0.019	52.375	-0.018	52.404	-0.018
52.437	-0.017	52.478	-0.017	52.509	-0.017	52.525	-0.016
52.535	-0.008	52.551	-0.000	52.572	0.004	52.595	0.008
52.605	0.001	52.624	0.001	52.634	0.001	52.651	0.001
52.663	0.001	52.680	0.009	52.708	0.006	52.747	0.016
52.786	0.006	52.830	0.010	52.889	0.004	52.923	0.003
52.933	0.015	52.956	0.007	52.982	0.019	53.014	0.003
53.054	0.015	53.088	-0.001	53.117	-0.004	53.137	0.005
53.173	0.022	53.212	0.003	53.240	0.004	53.262	0.016
53.317	-0.004	53.343	-0.008	53.367	-0.008	53.401	0.003
53.422	0.002	53.442	0.002	53.473	-0.003	53.496	-0.008

53.522	-0.008	53.554	0.011	53.586	0.007	53.630	0.002
53.640	0.002	53.649	-0.010	53.671	-0.006	53.704	-0.002
53.738	0.002	53.779	0.005	53.795	-0.002	53.813	0.002
53.842	0.002	53.877	0.003	53.897	0.003	53.910	0.004
53.936	0.008	53.958	0.005	54.010	0.010	54.050	0.014
54.076	0.010	54.099	0.010	54.140	0.014	54.171	0.006
54.209	0.001	54.250	0.017	54.292	0.016	54.329	0.015
54.352	0.015	54.395	0.015	54.424	0.010	54.450	0.014
54.482	0.022	54.524	0.022	54.549	0.038	54.572	0.025
54.595	0.009	54.625	0.013	54.660	0.017	54.686	0.017
54.720	0.017	54.748	0.021	54.790	0.009	54.819	0.009
54.846	0.013	54.867	0.009	54.883	0.013	54.918	0.013
54.949	0.017	54.963	0.005	54.987	0.001	55.037	0.001
55.066	0.000	55.119	0.003	55.144	0.007	55.180	0.002
55.210	0.009	55.230	0.004	55.274	0.003	55.311	-0.003
55.348	-0.004	55.379	0.015	55.408	0.011	55.428	0.007
55.463	0.019	55.494	0.019	55.523	0.011	55.570	0.010
55.599	-0.002	55.621	0.018	55.679	0.014	55.702	0.018
55.728	0.033	55.751	0.005	55.775	-0.003	55.797	0.001
55.820	0.000	55.835	-0.000	55.856	0.044	55.876	0.023
55.897	0.015	55.938	0.010	55.981	0.006	56.011	-0.018
56.035	0.002	56.073	0.026	56.116	0.018	56.150	0.011
56.168	0.003	56.184	-0.001	56.206	0.003	56.232	0.027
56.257	0.004	56.297	0.012	56.323	0.004	56.348	0.004
56.364	0.040	56.388	0.029	56.415	0.029	56.432	0.025
56.472	0.017	56.503	0.017	56.525	0.001	56.562	-0.007
56.590	0.016	56.620	0.027	56.659	0.022	56.691	0.009
56.716	0.011	56.746	0.002	56.790	-0.009	56.813	-0.006
56.840	0.020	56.877	0.031	56.903	0.019	56.921	-0.006
56.944	-0.019	56.978	-0.012	57.008	0.011	57.039	0.008
57.069	-0.008	57.094	-0.016	57.123	-0.012	57.163	0.012
57.190	0.020	57.235	0.012	57.262	0.009	57.291	-0.003
57.317	0.017	57.339	0.033	57.362	0.013	57.389	-0.007
57.413	0.005	57.445	0.013	57.468	0.013	57.487	0.009
57.510	0.005	57.538	0.021	57.567	0.009	57.589	0.029
57.611	0.009	57.642	-0.007	57.672	-0.015	57.707	-0.007
57.734	0.017	57.757	0.005	57.783	-0.003	57.811	0.009
57.856	0.005	57.889	-0.007	57.921	-0.003	57.951	0.002
57.972	0.002	58.002	0.006	58.033	0.010	58.057	-0.006
58.083	0.026	58.105	0.002	58.136	0.018	58.160	0.014
58.185	0.010	58.205	-0.010	58.220	-0.010	58.249	0.010
58.259	0.038	58.287	0.003	58.312	0.003	58.339	0.015
58.358	0.015	58.382	0.007	58.403	0.003	58.443	-0.001
58.477	0.003	58.504	-0.013	58.527	-0.009	58.574	-0.005
58.617	-0.005	58.634	-0.005	58.675	-0.006	58.692	-0.006
58.729	-0.006	58.760	-0.006	58.806	-0.007	58.839	-0.007
58.855	-0.008	58.876	-0.008	58.934	-0.009	58.957	-0.009
58.992	-0.010	59.000	0.014	59.021	-0.002	59.047	-0.002
59.081	-0.003	59.125	-0.002	59.138	-0.010	59.158	-0.002
59.176	0.006	59.195	0.006	59.229	-0.002	59.258	-0.002
59.287	0.003	59.315	0.003	59.335	0.007	59.368	0.003
59.398	0.004	59.426	0.004	59.461	0.004	59.480	0.017
59.495	0.009	59.517	0.009	59.565	0.005	59.592	0.005
59.615	0.005	59.671	0.009	59.699	0.009	59.728	0.009
59.785	0.009	59.831	0.009	59.860	0.017	59.908	0.017
59.945	0.017	60.024	0.017	60.048	0.013	60.076	0.021

60.116	0.017	60.165	0.004	60.208	0.007	60.243	-0.005
60.268	0.014	60.291	0.006	60.327	-0.012	60.357	-0.001
60.380	0.009	60.432	0.008	60.459	-0.001	60.477	-0.009
60.507	-0.002	60.547	0.001	60.576	-0.003	60.599	0.005
60.625	0.005	60.670	0.001	60.694	0.009	60.724	0.005
60.781	0.005	60.812	0.009	60.833	-0.003	60.859	0.013
60.893	0.013	60.922	0.006	60.957	-0.002	60.978	0.002
61.025	0.006	61.066	0.011	61.092	0.015	61.115	0.008
61.141	0.000	61.167	0.000	61.214	0.001	61.236	0.001
61.262	0.005	61.327	0.005	61.355	0.005	61.406	-0.003
61.494	-0.011	61.528	0.005	61.576	0.001	61.628	-0.003
61.658	0.005	61.712	-0.015	61.762	-0.003	61.823	0.001
61.835	0.005	61.925	-0.007	61.960	-0.015	62.014	-0.003
62.087	-0.007	62.128	-0.011	62.164	-0.015	62.190	-0.023
62.233	-0.007	62.286	-0.011	62.306	-0.043	62.327	-0.023
62.350	-0.027	62.390	-0.019	62.421	-0.019	62.456	-0.019
62.507	-0.027	62.553	-0.015	62.619	-0.031	62.645	-0.019
62.710	-0.019	62.760	-0.022	62.832	-0.015	62.904	-0.011
62.973	-0.005	63.024	0.001	63.049	0.007	63.113	0.011
63.183	0.027	63.209	0.027	63.237	0.010	63.264	0.006
63.284	0.010	63.307	0.017	63.336	0.017	63.361	0.016
63.396	0.016	63.427	0.011	63.451	0.007	63.474	0.007
63.494	0.007	63.512	-0.001	63.538	0.006	63.564	0.006
63.586	0.014	63.607	0.006	63.628	0.002	63.653	0.005
63.682	0.010	63.703	0.006	63.724	0.006	63.741	0.006
63.766	0.006	63.795	0.014	63.817	0.014	63.840	0.010
63.862	0.006	63.883	0.010	63.908	0.014	63.928	0.014
63.953	0.007	63.981	0.007	63.998	0.007	64.020	0.007
64.041	0.007	64.068	0.008	64.085	0.004	64.108	0.008
64.134	0.008	64.154	0.013	64.170	0.017	64.188	0.017
64.203	0.013	64.219	0.005	64.235	-0.003	64.256	0.002
64.274	0.006	64.293	0.006	64.310	0.002	64.331	0.002
64.347	0.010	64.365	0.022	64.383	0.027	64.398	0.027
64.417	0.019	64.435	0.011	64.452	0.011	64.470	0.011
64.493	0.015	64.511	0.007	64.528	0.011	64.548	0.011
64.569	0.011	64.581	0.011	64.600	0.014	64.614	0.022
64.631	0.022	64.645	0.014	64.658	0.010	64.676	0.006
64.691	0.010	64.710	0.009	64.729	0.009	64.750	0.005
64.767	0.001	64.784	0.009	64.796	0.008	64.811	0.004
64.831	0.008	64.845	0.004	64.875	0.003	64.895	0.003
64.914	0.007	64.931	0.003	64.952	-0.002	64.975	-0.002
64.989	0.002	65.004	-0.003	65.019	-0.007	65.036	-0.007
65.052	-0.003	65.067	0.004	65.083	0.012	65.099	0.008
65.117	0.008	65.134	0.003	65.153	-0.001	65.167	-0.005
65.182	-0.005	65.193	-0.005	65.210	0.003	65.228	0.003
65.247	0.003	65.263	-0.001	65.285	-0.001	65.303	-0.001
65.328	-0.001	65.343	0.003	65.363	0.003	65.383	0.003
65.403	0.002	65.420	0.002	65.438	-0.006	65.455	0.002
65.474	-0.002	65.495	-0.001	65.520	0.003	65.545	-0.001
65.566	0.003	65.582	0.003	65.605	0.003	65.632	0.011
65.652	0.003	65.667	0.011	65.682	0.011	65.696	0.007
65.710	0.003	65.726	0.003	65.744	0.003	65.769	0.003
65.790	0.003	65.806	0.003	65.825	0.011	65.843	0.007
65.863	0.010	65.881	0.010	65.898	0.010	65.918	0.006
65.939	0.005	65.956	0.009	65.979	0.009	66.000	0.009
66.022	0.004	66.049	0.008	66.073	0.012	66.098	0.007

66.120	0.011	66.139	0.011	66.169	0.010	66.200	0.010
66.231	0.009	66.258	0.009	66.289	0.012	66.312	0.008
66.334	0.001	66.364	0.001	66.393	0.001	66.420	0.001
66.455	0.005	66.481	0.006	66.504	0.006	66.529	-0.002
66.555	-0.002	66.579	0.003	66.607	0.003	66.636	-0.001
66.653	-0.005	66.677	-0.001	66.702	0.003	66.728	0.002
66.753	-0.002	66.775	-0.006	66.798	-0.003	66.824	-0.003
66.854	-0.003	66.889	-0.012	66.913	-0.004	66.943	-0.008
66.974	-0.009	67.007	-0.008	67.046	-0.007	67.083	-0.007
67.112	-0.003	67.136	-0.002	67.160	-0.002	67.195	-0.001
67.231	0.000	67.263	0.001	67.294	0.002	67.339	0.003
67.370	0.004	67.401	0.001	67.420	-0.002	67.447	-0.001
67.468	-0.009	67.489	-0.020	67.504	-0.008	67.520	0.004
67.536	0.008	67.562	0.000	67.573	0.004	67.592	0.020
67.609	0.024	67.621	0.008	67.638	-0.013	67.658	-0.013
67.680	-0.021	67.700	-0.025	67.708	-0.021	67.728	0.014
67.746	0.030	67.758	0.026	67.781	-0.007	67.792	0.001
67.815	0.013	67.832	0.017	67.855	-0.011	67.879	-0.007
67.906	0.005	67.938	0.005	67.962	0.017	67.981	0.013
68.004	0.001	68.018	-0.011	68.030	-0.019	68.046	-0.011
68.064	0.001	68.077	0.017	68.096	0.009	68.116	0.005
68.133	-0.011	68.150	-0.015	68.168	0.005	68.181	0.017
68.196	0.009	68.216	0.001	68.237	-0.011	68.259	-0.015
68.273	-0.019	68.284	-0.007	68.304	0.001	68.322	0.005
68.336	0.009	68.350	0.013	68.364	0.005	68.386	-0.007
68.405	-0.015	68.421	-0.003	68.437	0.005	68.455	-0.003
68.486	0.001	68.511	-0.003	68.540	0.005	68.556	0.005
68.577	0.005	68.595	0.001	68.612	-0.011	68.632	-0.007
68.654	0.005	68.669	0.009	68.695	-0.003	68.713	0.001
68.744	0.001	68.763	-0.007	68.790	-0.015	68.802	-0.019
68.825	0.005	68.839	0.013	68.860	0.001	68.907	0.001
68.935	-0.003	68.951	-0.011	68.971	0.005	68.988	0.001
69.013	-0.007	69.028	-0.003	69.057	0.001	69.078	0.009
69.094	0.013	69.113	0.009	69.136	0.005	69.160	-0.003
69.183	-0.011	69.200	-0.003	69.226	-0.011	69.243	-0.003
69.259	0.009	69.290	0.005	69.314	0.009	69.334	-0.007
69.355	-0.007	69.382	-0.007	69.397	-0.011	69.417	0.001
69.449	-0.003	69.485	-0.003	69.518	-0.007	69.549	-0.003
69.575	-0.007	69.598	-0.011	69.624	-0.003	69.644	-0.007
69.675	-0.007	69.706	-0.007	69.735	-0.003	69.769	-0.003
69.793	-0.003	69.819	-0.011	69.837	-0.015	69.862	-0.003
69.895	0.001	69.921	0.005	69.950	0.009	69.981	0.001
70.001	0.009	70.021	-0.007	70.048	-0.015	70.068	-0.003
70.093	0.005	70.111	0.005	70.129	0.001	70.162	0.005
70.193	0.005	70.215	-0.003	70.241	0.005	70.262	-0.003
70.273	-0.003	70.290	0.001	70.308	0.013	70.328	0.005
70.346	0.002	70.366	0.014	70.382	0.018	70.400	0.006
70.418	0.002	70.437	-0.002	70.444	-0.014	70.464	-0.002
70.492	0.018	70.518	0.026	70.536	0.030	70.562	0.014
70.585	-0.002	70.607	-0.014	70.634	-0.009	70.654	-0.021
70.671	-0.001	70.695	0.015	70.709	0.023	70.727	0.012
70.745	-0.016	70.775	-0.008	70.802	-0.024	70.822	0.000
70.840	0.013	70.863	0.005	70.896	0.001	70.917	0.013
70.939	-0.010	70.957	-0.006	70.974	0.010	70.993	0.006
71.021	-0.006	71.047	-0.005	71.075	-0.005	71.114	-0.009
71.139	0.007	71.165	0.011	71.200	0.007	71.229	-0.001

71.246	-0.001	71.271	0.011	71.292	0.015	71.315	-0.001
71.340	0.003	71.361	-0.001	71.379	-0.005	71.406	0.006
71.432	0.010	71.451	-0.006	71.471	-0.006	71.495	0.002
71.521	-0.006	71.544	0.002	71.564	0.006	71.594	0.006
71.620	0.005	71.643	0.009	71.666	0.002	71.688	-0.002
71.714	-0.002	71.734	-0.006	71.747	-0.006	71.766	0.006
71.781	0.010	71.801	0.002	71.824	-0.002	71.837	-0.002
71.858	0.010	71.882	0.010	71.910	0.003	71.925	-0.005
71.943	-0.005	71.963	0.008	71.984	-0.003	72.003	-0.007
72.028	0.010	72.046	-0.006	72.065	-0.005	72.091	0.008
72.137	0.003	72.164	-0.002	72.201	0.001	72.235	0.004
72.255	0.009	72.269	0.017	72.286	0.006	72.318	0.007
72.345	0.008	72.369	0.008	72.401	0.017	72.425	0.025
72.444	0.025	72.466	0.021	72.482	0.017	72.507	0.021
72.523	0.025	72.540	0.002	72.557	-0.006	72.568	-0.002
72.588	0.002	72.603	-0.006	72.623	-0.010	72.638	-0.018
72.657	-0.014	72.671	-0.006	72.695	0.030	72.712	0.038
72.729	0.042	72.749	0.038	72.761	0.018	72.777	-0.013
72.795	-0.017	72.815	-0.001	72.837	0.020	72.852	0.012
72.879	-0.004	72.898	0.017	72.921	0.017	72.943	0.050
72.954	0.050	72.973	0.018	73.002	-0.025	73.033	-0.012
73.069	0.049	73.090	0.057	73.108	0.034	73.133	0.002
73.174	-0.016	73.188	-0.004	73.216	0.024	73.227	0.048
73.239	0.061	73.252	0.045	73.273	0.013	73.289	0.001
73.309	0.009	73.330	0.025	73.345	0.037	73.364	0.009
73.375	0.029	73.396	0.045	73.414	0.021	73.429	-0.003
73.454	0.013	73.483	-0.007	73.512	0.046	73.536	0.055
73.564	0.041	73.607	0.031	73.643	0.017	73.677	0.037
73.688	0.029	73.717	0.057	73.748	0.021	73.760	0.025
73.785	0.045	73.806	0.025	73.826	0.041	73.846	0.037
73.864	0.013	73.885	0.033	73.909	0.045	73.930	0.057
73.953	0.045	73.964	0.025	73.977	0.009	73.990	-0.007
74.003	-0.007	74.015	0.005	74.034	0.013	74.055	0.033
74.084	0.057	74.099	0.057	74.122	0.033	74.142	0.021
74.164	0.013	74.181	0.013	74.196	0.025	74.209	0.029
74.226	0.017	74.237	0.029	74.249	0.037	74.262	0.045
74.275	0.041	74.302	0.041	74.312	0.029	74.326	0.017
74.338	0.001	74.350	-0.015	74.360	-0.007	74.379	0.013
74.393	0.029	74.411	0.037	74.430	0.041	74.448	0.041
74.468	0.041	74.485	0.041	74.501	0.021	74.520	0.025
74.526	0.025	74.531	0.041	74.537	0.037	74.546	0.037
74.555	0.029	74.564	0.025	74.573	0.021	74.585	0.025
74.596	0.029	74.609	0.029	74.622	0.029	74.631	0.029
74.640	0.037	74.650	0.037	74.659	0.041	74.674	0.037
74.686	0.037	74.692	0.037	74.702	0.033	74.716	0.025
74.724	0.017	74.733	0.013	74.745	0.017	74.755	0.037
74.764	0.049	74.771	0.057	74.781	0.057	74.792	0.041
74.804	0.029	74.815	0.013	74.825	0.012	74.838	0.012
74.852	0.016	74.870	0.031	74.885	0.031	74.895	0.027
74.907	0.026	74.918	0.030	74.927	0.042	74.937	0.045
74.950	0.033	74.959	0.009	74.966	-0.003	74.971	0.008
74.982	0.025	74.991	0.037	74.997	0.057	75.003	0.061
75.012	0.069	75.021	0.053	75.030	0.025	75.040	0.013
75.055	0.017	75.065	0.017	75.075	0.017	75.085	0.005
75.092	-0.003	75.098	-0.007	75.110	-0.002	75.128	0.018
75.147	0.031	75.159	0.043	75.168	0.063	75.183	0.056

75.191	0.048	75.202	0.045	75.214	0.061	75.226	0.061
75.239	0.046	75.250	0.026	75.258	-0.002	75.268	-0.010
75.279	-0.001	75.287	0.019	75.308	0.039	75.319	0.036
75.329	0.024	75.342	0.028	75.349	0.040	75.359	0.044
75.372	0.037	75.383	0.037	75.395	0.029	75.398	0.041
75.406	0.045	75.420	0.053	75.432	0.061	75.443	0.061
75.456	0.069	75.467	0.065	75.478	0.045	75.487	0.029
75.496	0.025	75.504	0.013	75.513	0.013	75.523	0.013
75.536	0.013	75.546	0.021	75.555	0.033	75.564	0.049
75.579	0.049	75.592	0.057	75.607	0.057	75.620	0.049
75.632	0.037	75.648	0.037	75.663	0.037	75.678	0.041
75.695	0.037	75.711	0.033	75.726	0.033	75.742	0.036
75.755	0.048	75.768	0.044	75.784	0.048	75.799	0.044
75.816	0.028	75.831	0.019	75.840	0.011	75.854	0.027
75.865	0.039	75.880	0.039	75.895	0.043	75.912	0.046
75.925	0.046	75.942	0.042	75.953	0.026	75.966	0.026
75.980	0.026	75.992	0.030	76.005	0.034	76.018	0.042
76.028	0.042	76.040	0.037	76.057	0.037	76.074	0.033
76.090	0.029	76.108	0.029	76.122	0.033	76.143	0.033
76.163	0.032	76.179	0.036	76.197	0.040	76.220	0.039
76.241	0.031	76.256	0.026	76.263	0.018	76.281	0.026
76.298	0.033	76.310	0.037	76.325	0.037	76.343	0.036
76.360	0.032	76.374	0.031	76.395	0.031	76.402	0.035
76.421	0.042	76.432	0.042	76.446	0.042	76.458	0.042
76.467	0.042	76.484	0.038	76.496	0.034	76.512	0.034
76.528	0.033	76.541	0.033	76.556	0.025	76.572	0.025
76.583	0.025	76.594	0.033	76.605	0.033	76.618	0.033
76.631	0.033	76.642	0.041	76.655	0.045	76.665	0.041
76.674	0.045	76.684	0.033	76.699	0.025	76.714	0.025
76.726	0.021	76.739	0.013	76.752	0.013	76.770	0.017
76.785	0.021	76.799	0.025	76.811	0.037	76.822	0.037
76.832	0.041	76.845	0.037	76.857	0.033	76.874	0.021
76.888	0.005	76.900	0.001	76.911	0.001	76.924	0.009
76.947	0.021	76.961	0.029	76.970	0.033	76.983	0.041
76.995	0.049	77.007	0.049	77.021	0.053	77.038	0.033
77.053	0.025	77.067	0.021	77.079	0.017	77.092	0.017
77.105	0.017	77.120	0.021	77.137	0.025	77.153	0.025
77.176	0.033	77.189	0.033	77.202	0.045	77.217	0.033
77.232	0.028	77.247	0.020	77.262	0.024	77.277	0.016
77.296	0.011	77.316	0.015	77.337	0.015	77.355	0.018
77.375	0.018	77.391	0.022	77.409	0.026	77.435	0.030
77.450	0.029	77.464	0.025	77.475	0.021	77.489	0.017
77.506	0.013	77.525	0.017	77.544	0.017	77.560	0.017
77.578	0.021	77.596	0.021	77.612	0.021	77.631	0.017
77.648	0.017	77.668	0.017	77.686	0.017	77.702	0.017
77.715	0.014	77.733	0.014	77.751	0.018	77.771	0.018
77.785	0.018	77.802	0.018	77.818	0.018	77.832	0.023
77.847	0.023	77.860	0.023	77.873	0.023	77.884	0.020
77.898	0.016	77.912	0.016	77.918	0.016	77.932	0.016
77.941	0.020	77.953	0.021	77.963	0.021	77.978	0.021
77.988	0.025	77.997	0.033	78.010	0.033	78.026	0.033
78.039	0.033	78.057	0.033	78.072	0.033	78.090	0.033
78.104	0.029	78.118	0.025	78.132	0.025	78.154	0.025
78.162	0.025	78.171	0.025	78.183	0.025	78.193	0.021
78.206	0.025	78.224	0.025	78.238	0.021	78.257	0.021
78.273	0.033	78.288	0.033	78.303	0.037	78.316	0.033

78.337	0.033	78.355	0.037	78.368	0.029	78.381	0.029
78.392	0.033	78.406	0.033	78.419	0.033	78.431	0.030
78.442	0.022	78.457	0.022	78.469	0.022	78.486	0.030
78.497	0.030	78.509	0.030	78.523	0.030	78.536	0.030
78.550	0.026	78.568	0.035	78.585	0.039	78.596	0.040
78.610	0.036	78.625	0.028	78.639	0.025	78.653	0.017
78.667	0.010	78.684	0.014	78.701	0.023	78.718	0.035
78.732	0.035	78.749	0.035	78.763	0.035	78.775	0.036
78.790	0.032	78.806	0.028	78.827	0.024	78.844	0.032
78.867	0.032	78.879	0.031	78.899	0.031	78.911	0.027
78.923	0.034	78.938	0.042	78.954	0.041	78.968	0.045
78.983	0.037	78.991	0.028	79.009	0.028	79.031	0.028
79.044	0.035	79.052	0.039	79.073	0.031	79.085	0.031
79.105	0.030	79.127	0.030	79.147	0.030	79.164	0.029
79.188	0.029	79.206	0.029	79.225	0.029	79.245	0.029
79.257	0.025	79.285	0.021	79.304	0.021	79.326	0.017
79.344	0.017	79.358	0.013	79.369	0.017	79.388	0.029
79.421	0.029	79.439	0.021	79.457	0.021	79.480	0.021
79.498	0.017	79.516	0.025	79.535	0.025	79.556	0.025
79.572	0.021	79.592	0.021	79.604	0.025	79.621	0.017
79.641	0.009	79.659	0.005	79.661	0.005	79.672	0.013
79.684	0.013	79.701	0.013	79.714	0.021	79.730	0.021
79.746	0.025	79.756	0.033	79.774	0.025	79.789	0.021
79.806	0.025	79.823	0.025	79.840	0.021	79.861	0.021
79.880	0.021	79.899	0.013	79.915	0.009	79.934	0.021
79.952	0.021	79.980	0.021	80.004	0.012	80.030	0.016
80.050	0.020	80.071	0.024	80.094	0.019	80.114	0.015
80.139	0.015	80.161	0.014	80.191	0.014	80.205	0.018
80.223	0.022	80.243	0.022	80.258	0.014	80.281	0.009
80.304	0.010	80.326	0.010	80.342	0.015	80.361	0.015
80.379	0.019	80.389	0.028	80.394	0.024	80.405	0.032
80.414	0.036	80.429	0.029	80.446	0.022	80.466	0.002
80.477	-0.001	80.487	-0.000	80.499	0.004	80.513	0.005
80.524	0.013	80.541	0.022	80.556	0.022	80.569	0.023
80.580	0.027	80.591	0.023	80.602	0.019	80.615	0.020
80.631	0.020	80.655	0.021	80.672	0.017	80.695	0.013
80.710	0.018	80.726	0.026	80.748	0.022	80.773	0.022
80.802	0.018	80.822	0.019	80.842	0.015	80.864	0.019
80.892	0.024	80.919	0.032	80.935	0.028	80.956	0.021
80.981	0.017	81.001	0.014	81.021	0.014	81.042	0.014
81.045	0.018	81.055	0.022	81.071	0.023	81.083	0.019
81.098	0.019	81.111	0.019	81.120	0.020	81.129	0.024
81.140	0.024	81.154	0.024	81.167	0.024	81.179	0.024
81.195	0.025	81.207	0.025	81.216	0.025	81.229	0.025
81.244	0.025	81.258	0.021	81.274	0.021	81.283	0.021
81.294	0.017	81.317	0.017	81.332	0.017	81.348	0.017
81.353	0.017	81.362	0.017	81.374	0.025	81.391	0.025
81.409	0.025	81.425	0.025	81.442	0.025	81.458	0.029
81.484	0.025	81.493	0.025	81.504	0.025	81.515	0.026
81.531	0.026	81.544	0.026	81.557	0.026	81.566	0.026
81.574	0.027	81.583	0.023	81.600	0.019	81.616	0.019
81.631	0.020	81.648	0.020	81.664	0.021	81.670	0.021
81.677	0.021	81.690	0.021	81.701	0.022	81.711	0.026
81.730	0.027	81.742	0.023	81.757	0.023	81.769	0.023
81.781	0.020	81.798	0.020	81.809	0.028	81.822	0.028
81.838	0.028	81.863	0.029	81.884	0.029	81.906	0.029

81.922	0.029	81.941	0.029	81.958	0.021	81.974	0.021
81.992	0.021	81.995	0.021	82.003	0.021	82.008	0.025
82.023	0.025	82.032	0.025	82.033	0.025	82.041	0.029
82.052	0.029	82.066	0.025	82.080	0.025	82.089	0.017
82.101	0.021	82.112	0.025	82.122	0.025	82.135	0.017
82.145	0.021	82.163	0.017	82.176	0.017	82.196	0.021
82.210	0.017	82.220	0.021	82.236	0.017	82.248	0.017
82.263	0.021	82.282	0.017	82.294	0.013	82.308	0.013
82.319	0.013	82.334	0.025	82.349	0.017	82.365	0.017
82.377	0.021	82.395	0.021	82.409	0.025	82.424	0.021
82.436	0.017	82.458	0.017	82.472	0.017	82.483	0.017
82.486	0.017	82.499	0.021	82.515	0.021	82.530	0.021
82.548	0.021	82.568	0.017	82.585	0.017	82.606	0.017
82.627	0.017	82.643	0.017	82.662	0.017	82.685	0.017
82.696	0.025	82.711	0.025	82.729	0.025	82.742	0.025
82.760	0.025	82.775	0.021	82.788	0.017	82.800	0.017
82.813	0.029	82.833	0.029	82.836	0.029	82.849	0.029
82.869	0.029	82.887	0.029	82.907	0.029	82.924	0.029
82.947	0.029	82.971	0.025	82.984	0.025	82.996	0.017
83.007	0.013	83.020	0.013	83.031	0.025	83.049	0.025
83.062	0.025	83.076	0.025	83.088	0.021	83.101	0.029
83.116	0.029	83.131	0.025	83.139	0.025	83.156	0.018
83.179	0.014	83.194	0.022	83.214	0.018	83.234	0.022
83.254	0.030	83.277	0.026	83.312	0.027	83.330	0.027
83.348	0.027	83.370	0.024	83.398	0.016	83.415	0.016
83.441	0.017	83.463	0.017	83.483	0.021	83.503	0.021
83.522	0.021	83.547	0.017	83.570	0.017	83.587	0.017
83.612	0.017	83.629	0.017	83.648	0.017	83.673	0.017
83.696	0.017	83.701	0.021	83.706	0.021	83.719	0.017
83.731	0.025	83.739	0.021	83.743	0.021	83.765	0.022
83.790	0.023	83.810	0.024	83.829	0.024	83.849	0.017
83.869	0.017	83.894	0.022	83.909	0.023	83.929	0.007
83.954	0.000	83.978	0.003	84.001	0.007	84.021	0.008
84.044	0.022	84.068	0.039	84.087	0.016	84.101	0.017
84.115	0.018	84.134	0.018	84.156	-0.001	84.179	0.028
84.201	0.025	84.216	0.026	84.244	0.027	84.276	0.045
84.307	0.042	84.331	0.030	84.358	0.007	84.390	0.023
84.413	0.043	84.436	0.040	84.461	0.036	84.487	0.024
84.502	0.025	84.526	0.021	84.547	0.025	84.569	0.037
84.594	0.030	84.617	0.030	84.634	0.030	84.653	0.046
84.680	0.050	84.703	0.038	84.722	0.034	84.745	0.030
84.766	0.034	84.789	0.034	84.810	0.038	84.834	0.038
84.849	0.038	84.859	0.038	84.880	0.030	84.903	0.030
84.924	0.030	84.944	0.030	84.960	0.030	84.991	0.030
85.017	0.030	85.048	0.030	85.072	0.026	85.097	0.026
85.116	0.026	85.145	0.030	85.169	0.030	85.197	0.030
85.223	0.026	85.249	0.026	85.279	0.030	85.303	0.030
85.326	0.029	85.348	0.029	85.374	0.029	85.396	0.029
85.415	0.029	85.448	0.033	85.480	0.033	85.502	0.033
85.537	0.037	85.565	0.041	85.596	0.041	85.617	0.041
85.641	0.037	85.666	0.033	85.688	0.037	85.707	0.037
85.732	0.041	85.758	0.045	85.787	0.045	85.813	0.037
85.838	0.037	85.857	0.037	85.874	0.037	85.892	0.037
85.913	0.037	85.935	0.037	85.961	0.037	85.974	0.037
85.995	0.041	86.018	0.040	86.040	0.040	86.067	0.040
86.093	0.040	86.124	0.039	86.147	0.039	86.175	0.039

86.199	0.043	86.219	0.042	86.244	0.041	86.272	0.041
86.292	0.040	86.315	0.040	86.335	0.039	86.351	0.039
86.377	0.038	86.405	0.037	86.420	0.033	86.447	0.032
86.482	0.031	86.504	0.031	86.527	0.026	86.551	0.026
86.577	0.025	86.609	0.024	86.643	0.023	86.669	0.023
86.689	0.022	86.715	0.022	86.742	0.021	86.765	0.020
86.795	0.024	86.828	0.019	86.855	0.018	86.884	0.018
86.913	0.018	86.938	0.029	86.956	0.021	86.981	0.013
87.002	0.017	87.025	0.020	87.046	0.024	87.063	0.024
87.086	0.023	87.123	0.019	87.153	0.023	87.179	0.018
87.203	0.018	87.228	0.019	87.252	0.019	87.277	0.015
87.304	0.015	87.327	0.015	87.349	0.016	87.370	0.024
87.394	0.028	87.424	0.032	87.452	0.028	87.477	0.025
87.505	0.026	87.530	0.026	87.552	0.027	87.583	0.028
87.607	0.028	87.629	0.029	87.657	0.022	87.695	0.015
87.731	0.024	87.759	0.024	87.791	0.021	87.822	0.026
87.848	0.023	87.876	0.024	87.903	0.024	87.928	0.025
87.962	0.022	87.992	0.023	88.022	0.028	88.049	0.032
88.070	0.033	88.093	0.033	88.129	0.034	88.138	0.022
88.159	0.023	88.177	0.023	88.198	0.023	88.218	0.020
88.245	0.036	88.266	0.029	88.290	0.037	88.309	0.034
88.330	0.034	88.355	0.022	88.379	0.019	88.401	0.015
88.427	0.024	88.445	0.020	88.466	0.025	88.490	0.025
88.514	0.025	88.535	0.038	88.559	0.034	88.582	0.026
88.599	0.023	88.622	0.023	88.642	0.027	88.657	0.035
88.676	0.036	88.700	0.036	88.722	0.032	88.745	0.029
88.767	0.025	88.787	0.025	88.807	0.021	88.831	0.030
88.856	0.042	88.877	0.054	88.900	0.054	88.923	0.050
88.939	0.046	88.950	0.046	88.970	0.038	88.981	0.022
88.998	0.014	89.017	0.006	89.036	0.006	89.050	0.022
89.065	0.034	89.081	0.046	89.102	0.058	89.124	0.050
89.141	0.046	89.160	0.045	89.177	0.041	89.194	0.029
89.214	0.021	89.232	0.009	89.251	0.004	89.273	0.028
89.292	0.036	89.309	0.036	89.325	0.036	89.341	0.035
89.360	0.035	89.388	0.031	89.411	0.019	89.428	0.027
89.442	0.051	89.458	0.043	89.476	0.022	89.496	0.022
89.515	0.026	89.534	0.022	89.557	0.022	89.573	0.042
89.596	0.053	89.621	0.033	89.642	0.033	89.660	0.029
89.683	0.013	89.704	0.017	89.726	0.033	89.745	0.045
89.767	0.045	89.791	0.045	89.811	0.029	89.830	0.025
89.840	0.025	89.856	0.034	89.874	0.026	89.899	0.030
89.922	0.042	89.945	0.034	89.965	0.034	89.985	0.026
90.009	0.010	90.031	0.026	90.057	0.034	90.076	0.034
90.101	0.042	90.121	0.039	90.144	0.027	90.165	0.027
90.190	0.023	90.213	0.015	90.231	0.023	90.252	0.031
90.277	0.043	90.304	0.043	90.325	0.027	90.346	0.027
90.367	0.023	90.385	0.023	90.409	0.031	90.432	0.039
90.458	0.031	90.482	0.022	90.505	0.022	90.538	0.030
90.561	0.034	90.582	0.034	90.601	0.034	90.617	0.034
90.632	0.033	90.653	0.025	90.681	0.025	90.706	0.021
90.719	0.025	90.740	0.025	90.766	0.021	90.792	0.021
90.813	0.020	90.835	0.020	90.856	0.020	90.880	0.024
90.901	0.020	90.920	0.020	90.938	0.020	90.952	0.020
90.977	0.023	91.001	0.023	91.019	0.031	91.038	0.027
91.053	0.024	91.074	0.024	91.098	0.024	91.121	0.024
91.157	0.024	91.177	0.024	91.200	0.020	91.223	0.020

91.246	0.020	91.267	0.020	91.293	0.020	91.322	0.024
91.348	0.008	91.371	0.013	91.391	0.017	91.408	0.017
91.440	0.029	91.462	0.025	91.495	0.026	91.522	0.022
91.544	0.018	91.570	0.018	91.595	0.015	91.627	0.015
91.644	0.015	91.668	0.019	91.693	0.019	91.719	0.020
91.745	0.020	91.761	0.016	91.778	0.013	91.802	0.013
91.826	0.018	91.846	0.018	91.866	0.019	91.887	0.019
91.912	0.020	91.939	0.020	91.965	0.021	91.993	0.022
92.011	0.022	92.033	0.027	92.054	0.027	92.074	0.028
92.091	0.028	92.111	0.029	92.129	0.029	92.149	0.030
92.172	0.030	92.208	0.027	92.235	0.028	92.255	0.028
92.283	0.029	92.312	0.026	92.339	0.026	92.374	0.027
92.402	0.020	92.438	0.021	92.480	0.029	92.518	0.033
92.555	0.033	92.587	0.033	92.633	0.034	92.665	0.030
92.694	0.030	92.712	0.030	92.738	0.030	92.761	0.030
92.787	0.038	92.816	0.038	92.839	0.042	92.871	0.038
92.891	0.030	92.914	0.030	92.953	0.030	92.986	0.029
93.014	0.029	93.039	0.033	93.060	0.033	93.088	0.021
93.112	0.025	93.143	0.041	93.176	0.029	93.205	0.021
93.232	0.021	93.248	0.021	93.264	0.021	93.289	0.029
93.312	0.025	93.341	0.033	93.373	0.037	93.399	0.029
93.424	0.024	93.445	0.020	93.468	0.028	93.494	0.028
93.517	0.028	93.545	0.028	93.575	0.024	93.602	0.024
93.626	0.028	93.657	0.027	93.692	0.027	93.729	0.028
93.761	0.028	93.786	0.028	93.810	0.028	93.839	0.032
93.868	0.040	93.889	0.040	93.904	0.040	93.919	0.048
93.935	0.049	93.949	0.049	93.969	0.065	93.996	0.065
94.030	0.053	94.055	0.061	94.077	0.065	94.097	0.061
94.121	0.069	94.140	0.061	94.165	0.065	94.178	0.061
94.203	0.061	94.222	0.061	94.245	0.057	94.272	0.049
94.300	0.049	94.329	0.050	94.353	0.058	94.381	0.066
94.407	0.070	94.441	0.054	94.473	0.059	94.508	0.067
94.536	0.067	94.561	0.060	94.584	0.060	94.610	0.064
94.630	0.060	94.668	0.061	94.700	0.069	94.725	0.069
94.743	0.065	94.764	0.065	94.803	0.061	94.829	0.069
94.851	0.073	94.873	0.073	94.893	0.073	94.922	0.077
94.938	0.072	94.953	0.072	94.982	0.068	95.014	0.080
95.043	0.071	95.079	0.067	95.103	0.062	95.127	0.062
95.154	0.062	95.184	0.062	95.208	0.061	95.232	0.061
95.255	0.065	95.283	0.057	95.310	0.057	95.335	0.057
95.362	0.057	95.388	0.057	95.405	0.057	95.434	0.057
95.454	0.061	95.472	0.061	95.501	0.061	95.527	0.061
95.559	0.057	95.583	0.057	95.602	0.057	95.629	0.057
95.650	0.057	95.676	0.065	95.695	0.081	95.724	0.065
95.752	0.062	95.778	0.062	95.799	0.058	95.825	0.058
95.854	0.059	95.883	0.059	95.909	0.060	95.935	0.060
95.967	0.061	95.996	0.062	96.023	0.063	96.045	0.063
96.065	0.064	96.092	0.068	96.121	0.068	96.142	0.069
96.169	0.065	96.190	0.065	96.214	0.065	96.240	0.065
96.266	0.073	96.295	0.073	96.316	0.073	96.335	0.073
96.352	0.073	96.375	0.069	96.406	0.069	96.443	0.069
96.481	0.073	96.510	0.073	96.530	0.073	96.554	0.077
96.579	0.077	96.606	0.073	96.621	0.073	96.644	0.073
96.669	0.073	96.694	0.073	96.721	0.069	96.743	0.069
96.769	0.069	96.793	0.069	96.818	0.069	96.838	0.069
96.858	0.069	96.885	0.069	96.903	0.069	96.930	0.069

96.951	0.069	96.970	0.069	96.992	0.065	97.016	0.065
97.045	0.069	97.072	0.069	97.101	0.069	97.127	0.069
97.153	0.069	97.172	0.069	97.196	0.069	97.207	0.069
97.228	0.069	97.251	0.073	97.272	0.073	97.298	0.081
97.318	0.081	97.336	0.081	97.359	0.077	97.373	0.077
97.391	0.069	97.413	0.069	97.434	0.069	97.455	0.069
97.479	0.069	97.498	0.069	97.525	0.069	97.548	0.069
97.573	0.065	97.596	0.064	97.616	0.064	97.634	0.063
97.652	0.063	97.668	0.063	97.684	0.062	97.701	0.062
97.723	0.065	97.741	0.068	97.764	0.067	97.781	0.066
97.796	0.066	97.813	0.065	97.830	0.064	97.842	0.064
97.857	0.056	97.882	0.059	97.903	0.063	97.924	0.067
97.943	0.070	97.962	0.070	97.982	0.069	98.005	0.065
98.025	0.065	98.044	0.065	98.068	0.065	98.090	0.065
98.123	0.065	98.146	0.061	98.172	0.061	98.197	0.060
98.222	0.059	98.246	0.059	98.275	0.058	98.302	0.057
98.323	0.057	98.348	0.060	98.372	0.059	98.395	0.059
98.417	0.062	98.442	0.061	98.465	0.061	98.484	0.060
98.505	0.060	98.524	0.060	98.542	0.060	98.563	0.061
98.585	0.061	98.608	0.062	98.624	0.063	98.642	0.063
98.662	0.063	98.680	0.064	98.695	0.056	98.713	0.056
98.738	0.057	98.758	0.065	98.780	0.065	98.796	0.065
98.811	0.065	98.833	0.064	98.856	0.060	98.881	0.059
98.905	0.055	98.922	0.059	98.940	0.058	98.958	0.058
98.982	0.058	99.001	0.058	99.028	0.058	99.053	0.058
99.082	0.057	99.110	0.053	99.136	0.053	99.155	0.053
99.181	0.061	99.211	0.057	99.231	0.057	99.255	0.057
99.276	0.061	99.300	0.061	99.318	0.065	99.340	0.065
99.369	0.065	99.396	0.065	99.419	0.061	99.445	0.061
99.475	0.054	99.501	0.054	99.521	0.062	99.542	0.062
99.560	0.062	99.578	0.062	99.608	0.055	99.636	0.063
99.660	0.064	99.678	0.064	99.706	0.077	99.725	0.073
99.746	0.066	99.766	0.062	99.788	0.067	99.810	0.063
99.835	0.072	99.854	0.072	99.874	0.072	99.898	0.073
99.919	0.077	99.941	0.077	99.960	0.069	99.986	0.069
100.006	0.072	100.025	0.072	100.048	0.072	100.071	0.076
100.087	0.075	100.103	0.071	100.124	0.071	100.144	0.071
100.160	0.071	100.184	0.070	100.209	0.070	100.229	0.070
100.249	0.070	100.267	0.069	100.287	0.069	100.304	0.069
100.325	0.069	100.349	0.069	100.366	0.077	100.386	0.077
100.406	0.077	100.424	0.077	100.451	0.077	100.464	0.073
100.484	0.073	100.512	0.077	100.544	0.077	100.568	0.077
100.594	0.089	100.618	0.077	100.641	0.073	100.664	0.073
100.686	0.077	100.714	0.077	100.738	0.081	100.760	0.081
100.785	0.073	100.811	0.073	100.828	0.077	100.845	0.077
100.866	0.081	100.884	0.081	100.897	0.081	100.915	0.081
100.934	0.081	100.957	0.081	100.978	0.081	100.990	0.081
101.006	0.081	101.031	0.080	101.058	0.076	101.076	0.074
101.084	0.073	101.092	0.072	101.101	0.070	101.109	0.069
101.121	0.068						

IG106
71.018 2/9/71 0600 PST C.I.T. SEISMOLOGICAL LAB. WEST

4850 POINTS 101.193 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1508 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.189	0.018	-0.077	0.027	-0.037	0.043	-0.029	2.749	-0.178	2.760	-0.026	2.772	0.057	2.785	0.161
0.059	0.071	0.073	0.159	0.085	0.223	0.102	0.127	2.809	0.045	2.824	0.040	2.839	0.020	2.853	-0.000
0.116	-0.017	0.127	-0.081	0.151	-0.025	0.173	-0.017	2.879	0.155	2.894	0.075	2.908	-0.013	2.926	0.106
0.192	-0.109	0.206	-0.193	0.230	-0.081	0.250	0.063	2.940	0.202	2.966	0.209	2.985	0.045	2.996	-0.087
0.270	0.019	0.279	0.003	0.301	0.051	0.320	-0.013	3.008	-0.143	3.028	-0.052	3.056	0.084	3.074	-0.001
0.338	-0.053	0.360	0.030	0.375	0.090	0.394	0.130	3.090	-0.045	3.106	0.015	3.122	0.234	3.135	0.461
0.408	0.086	0.421	-0.026	0.439	-0.166	0.452	-0.078	3.143	0.633	3.157	0.788	3.171	0.784	3.202	0.883
0.469	0.022	0.487	-0.050	0.511	-0.122	0.531	-0.087	3.212	0.783	3.222	0.587	3.230	0.259	3.237	-0.056
0.545	-0.023	0.562	0.021	0.574	0.105	0.594	0.180	3.242	-0.312	3.250	-0.636	3.256	-0.867	3.263	-1.047
0.610	0.124	0.625	0.032	0.635	-0.008	0.649	-0.020	3.276	-1.295	3.294	-1.447	3.297	-1.559	3.310	-1.380
0.663	-0.108	0.670	-0.152	0.690	-0.089	0.704	-0.033	3.320	-1.080	3.328	-0.777	3.338	-0.502	3.349	-0.270
0.723	0.042	0.743	0.090	0.759	0.038	0.771	0.006	3.359	-0.055	3.368	0.181	3.378	0.348	3.386	0.508
0.785	0.073	0.804	0.157	0.817	0.021	0.833	-0.159	3.395	0.563	3.409	0.507	3.423	0.379	3.438	0.299
0.849	-0.267	0.864	-0.139	0.877	0.028	0.895	0.152	3.450	0.203	3.462	0.035	3.474	-0.181	3.487	-0.365
0.913	0.068	0.930	0.016	0.957	0.063	0.974	0.083	3.510	-0.289	3.530	-0.230	3.556	-0.326	3.576	-0.135
0.996	-0.017	1.024	-0.133	1.040	-0.050	1.060	0.034	3.586	0.109	3.596	0.448	3.608	0.731	3.622	0.911
1.081	0.010	1.096	-0.066	1.114	-0.154	1.130	-0.086	3.643	0.647	3.657	0.467	3.671	0.363	3.684	0.179
1.150	0.013	1.163	0.053	1.179	0.005	1.201	-0.075	3.696	-0.025	3.705	-0.144	3.727	-0.241	3.741	-0.432
1.220	-0.011	1.238	0.040	1.266	-0.020	1.277	-0.040	3.762	-0.668	3.775	-0.485	3.782	-0.245	3.790	0.026
1.295	0.032	1.317	0.104	1.335	0.004	1.360	-0.108	3.802	0.314	3.810	0.533	3.825	0.757	3.839	0.856
1.385	-0.148	1.405	-0.089	1.436	-0.141	1.457	0.023	3.858	0.661	3.871	0.377	3.884	0.117	3.894	-0.011
1.470	0.170	1.481	0.242	1.511	0.170	1.530	0.066	3.905	-0.063	3.928	-0.007	3.943	-0.015	3.959	-0.239
1.548	-0.030	1.573	-0.018	1.591	-0.106	1.603	-0.170	3.971	-0.327	3.986	-0.211	4.003	-0.103	4.021	-0.307
1.623	-0.074	1.646	0.037	1.659	0.025	1.674	0.005	4.030	-0.499	4.044	-0.607	4.061	-0.459	4.073	-0.220
1.690	-0.015	1.711	-0.059	1.730	0.045	1.748	0.148	4.082	0.004	4.091	0.092	4.117	0.040	4.139	0.211
1.764	0.080	1.786	0.028	1.797	-0.028	1.814	-0.088	4.161	0.379	4.173	0.410	4.194	0.650	4.210	0.394
1.830	-0.080	1.844	-0.108	1.862	-0.128	1.876	-0.040	4.222	0.111	4.241	-0.333	4.257	-0.756	4.267	-0.864
1.889	0.032	1.900	0.124	1.916	0.076	1.934	0.020	4.284	-0.589	4.293	-0.257	4.304	0.182	4.314	0.409
1.957	-0.055	1.975	-0.031	1.992	0.049	2.001	0.113	4.325	0.501	4.343	0.285	4.352	0.157	4.362	0.128
2.029	0.193	2.042	0.157	2.057	0.069	2.073	-0.007	4.381	0.336	4.395	0.643	4.409	0.866	4.421	0.678
2.086	-0.115	2.106	-0.210	2.121	-0.266	2.143	-0.170	4.430	0.327	4.440	-0.065	4.448	-0.429	4.462	-0.752
2.168	0.058	2.190	0.270	2.208	0.206	2.222	0.118	4.476	-0.801	4.495	-0.554	4.507	-0.258	4.519	0.069
2.245	0.018	2.260	-0.141	2.272	-0.265	2.288	-0.293	4.528	0.248	4.545	0.428	4.560	0.260	4.572	-0.012
2.301	-0.285	2.326	-0.153	2.342	-0.029	2.360	0.138	4.586	-0.268	4.601	-0.484	4.623	-0.657	4.643	-0.733
2.375	0.266	2.391	0.262	2.405	0.262	2.417	0.262	4.664	-0.662	4.682	-0.722	4.693	-0.742	4.716	-0.415
2.434	0.122	2.444	0.030	2.462	0.010	2.477	-0.134	4.729	-0.036	4.740	0.331	4.750	0.630	4.765	0.821
2.495	-0.298	2.517	-0.207	2.541	-0.203	2.562	-0.011	4.778	0.753	4.790	0.697	4.813	0.804	4.832	0.616
2.571	0.172	2.579	0.344	2.600	0.583	2.619	0.455	4.842	0.436	4.850	0.228	4.859	-0.091	4.865	-0.303
2.635	0.335	2.646	0.247	2.662	-0.013	2.675	-0.237	4.874	-0.495	4.880	-0.623	4.893	-0.695	4.911	-0.479
2.693	-0.353	2.703	-0.429	2.719	-0.521	2.737	-0.326	4.922	-0.172	4.931	0.060	4.940	0.231	4.950	0.319

4.961	0.423	4.973	0.570	4.986	0.702	5.002	0.842
5.020	0.706	5.033	0.598	5.047	0.685	5.060	0.781
5.085	0.545	5.096	0.237	5.107	-0.010	5.116	-0.182
5.128	-0.250	5.145	0.005	5.160	0.368	5.170	0.571
5.186	0.691	5.205	0.467	5.214	0.191	5.225	-0.073
5.238	-0.313	5.251	-0.461	5.268	-0.525	5.290	-0.278
5.301	-0.070	5.312	0.065	5.326	0.149	5.341	0.132
5.359	0.316	5.375	0.427	5.389	0.275	5.396	0.099
5.399	-0.044	5.406	-0.220	5.411	-0.428	5.416	-0.608
5.422	-0.780	5.434	-0.920	5.445	-0.736	5.451	-0.493
5.454	-0.293	5.456	-0.034	5.460	0.186	5.465	0.465
5.470	0.769	5.475	0.996	5.479	1.188	5.490	1.411
5.503	1.179	5.512	0.892	5.519	0.612	5.525	0.212
5.534	-0.179	5.541	-0.499	5.553	-0.755	5.572	-0.803
5.589	-1.003	5.604	-1.210	5.619	-1.422	5.637	-1.666
5.656	-1.878	5.675	-1.722	5.685	-1.454	5.696	-1.135
5.707	-0.759	5.714	-0.400	5.723	0.019	5.731	0.411
5.739	0.938	5.750	1.277	5.756	1.493	5.773	1.740
5.794	2.044	5.809	1.740	5.814	1.377	5.822	0.918
5.830	0.438	5.837	0.143	5.843	-0.069	5.849	-0.193
5.864	-0.297	5.889	-0.408	5.900	-0.356	5.912	-0.185
5.929	-0.061	5.951	-0.213	5.967	-0.420	5.978	-0.484
5.994	-0.384	6.013	-0.141	6.029	0.139	6.041	0.458
6.051	0.754	6.057	0.934	6.067	1.085	6.085	0.945
6.099	0.810	6.109	0.702	6.122	0.482	6.134	0.235
6.143	-0.021	6.154	-0.305	6.166	-0.512	6.172	-0.612
6.186	-0.684	6.206	-0.560	6.225	-0.572	6.248	-0.265
6.260	0.031	6.270	0.207	6.282	0.287	6.307	0.291
6.322	0.163	6.334	-0.049	6.349	-0.317	6.360	-0.500
6.369	-0.616	6.385	-0.828	6.406	-1.131	6.431	-1.467
6.448	-1.603	6.471	-1.271	6.486	-0.904	6.498	-0.628
6.509	-0.360	6.515	-0.053	6.525	0.386	6.535	0.706
6.545	0.965	6.554	1.165	6.569	1.277	6.583	1.257
6.594	1.217	6.612	1.157	6.625	0.938	6.636	0.478
6.645	-0.145	6.655	-0.496	6.665	-0.808	6.676	-0.892
6.692	-0.824	6.712	-0.496	6.721	-0.253	6.727	0.019
6.736	0.263	6.749	0.610	6.761	0.830	6.774	0.930
6.796	0.634	6.813	0.474	6.833	0.482	6.854	0.255
6.864	0.135	6.883	-0.025	6.898	-0.141	6.911	-0.293
6.921	-0.496	6.930	-0.668	6.938	-0.828	6.944	-0.956
6.953	-1.019	6.964	-0.936	6.977	-0.656	6.995	-0.376
7.010	-0.392	7.045	-0.197	7.062	-0.085	7.077	0.071
7.089	0.326	7.109	0.546	7.128	0.330	7.139	0.254
7.155	0.382	7.175	0.517	7.192	0.449	7.211	0.437
7.226	0.281	7.238	0.006	7.247	-0.242	7.252	-0.374
7.263	-0.442	7.277	-0.342	7.294	-0.262	7.313	-0.315
7.331	-0.079	7.344	0.256	7.353	0.484	7.371	0.643
7.388	0.499	7.400	0.139	7.412	-0.124	7.418	-0.360
7.430	-0.668	7.443	-0.740	7.461	-0.553	7.473	-0.245
7.482	0.002	7.498	0.218	7.512	0.150	7.525	-0.030
7.530	-0.126	7.543	-0.194	7.571	0.037	7.590	-0.055
7.606	-0.291	7.623	-0.499	7.636	-0.667	7.651	-0.747
7.672	-0.504	7.683	-0.240	7.695	-0.049	7.710	0.059
7.735	0.003	7.755	-0.009	7.769	0.038	7.788	0.242
7.807	0.358	7.822	0.333	7.842	0.201	7.854	-0.026
7.870	-0.302	7.877	-0.354	7.887	-0.210	7.899	0.061

7.909	0.265	7.923	0.345	7.934	0.261	7.948	0.013
7.955	-0.215	7.966	-0.534	7.974	-0.754	7.986	-0.866
8.002	-0.722	8.014	-0.455	8.032	-0.116	8.050	-0.016
8.067	-0.196	8.081	-0.308	8.099	-0.256	8.124	-0.320
8.142	-0.180	8.156	0.083	8.165	0.279	8.180	0.407
8.206	0.363	8.226	0.351	8.266	0.502	8.286	0.359
8.306	0.123	8.321	-0.133	8.335	-0.368	8.348	-0.444
8.367	-0.452	8.397	-0.624	8.417	-0.464	8.428	-0.229
8.439	0.039	8.450	0.287	8.460	0.538	8.474	0.650
8.490	0.418	8.505	-0.013	8.512	-0.253	8.525	-0.344
8.545	-0.225	8.561	-0.141	8.586	-0.209	8.604	-0.257
8.625	-0.161	8.650	0.115	8.675	0.314	8.698	0.259
8.719	0.398	8.740	0.562	8.764	0.334	8.786	0.023
8.806	-0.213	8.825	-0.293	8.858	-0.137	8.885	-0.113
8.911	-0.125	8.930	-0.077	8.956	0.075	8.979	0.175
9.002	0.151	9.028	0.322	9.060	0.466	9.078	0.298
9.092	0.015	9.108	-0.285	9.120	-0.481	9.135	-0.541
9.160	-0.429	9.192	-0.189	9.210	0.110	9.223	0.341
9.235	0.509	9.253	0.629	9.272	0.541	9.295	0.449
9.326	0.556	9.345	0.448	9.363	0.100	9.380	-0.212
9.394	-0.296	9.417	-0.092	9.437	0.235	9.461	0.382
9.493	0.218	9.527	0.137	9.548	-0.071	9.558	-0.219
9.570	-0.279	9.593	-0.135	9.611	0.068	9.635	-0.084
9.653	-0.188	9.671	-0.256	9.697	-0.081	9.722	0.114
9.740	0.213	9.771	0.217	9.810	0.212	9.843	0.092
9.869	0.151	9.900	0.003	9.929	0.138	9.958	0.034
9.996	-0.111	10.021	-0.028	10.052	-0.076	10.076	0.035
10.095	0.151	10.111	0.234	10.135	0.294	10.152	0.226
10.166	0.105	10.187	-0.103	10.209	-0.119	10.238	-0.116
10.266	-0.120	10.290	-0.021	10.307	0.055	10.329	0.054
10.347	0.054	10.359	0.006	10.373	-0.046	10.381	0.009
10.390	0.081	10.402	0.125	10.430	-0.026	10.464	-0.209
10.484	-0.261	10.514	-0.100	10.540	-0.147	10.562	0.009
10.578	0.098	10.595	0.050	10.610	0.011	10.630	0.019
10.645	-0.048	10.662	-0.160	10.683	-0.195	10.698	-0.239
10.711	-0.270	10.728	-0.202	10.755	-0.017	10.776	0.203
10.793	0.287	10.803	0.239	10.820	0.048	10.836	-0.023
10.851	0.049	10.864	0.089	10.883	0.034	10.902	-0.110
10.913	-0.186	10.927	-0.230	10.944	-0.171	10.962	-0.011
10.984	0.045	11.005	0.021	11.029	-0.027	11.046	0.048
11.067	0.264	11.083	0.355	11.096	0.355	11.114	0.363
11.130	0.251	11.149	-0.068	11.160	-0.200	11.176	-0.252
11.191	-0.201	11.200	-0.065	11.216	0.179	11.224	0.278
11.235	0.310	11.248	0.226	11.262	0.070	11.282	-0.090
11.302	-0.182	11.317	-0.138	11.333	-0.034	11.355	-0.055
11.378	-0.083	11.398	-0.091	11.416	-0.051	11.434	-0.012
11.451	-0.056	11.476	-0.140	11.513	-0.168	11.532	-0.140
11.553	-0.181	11.575	-0.241	11.595	-0.304	11.612	-0.276
11.626	-0.124	11.647	0.048	11.671	0.104	11.691	0.124
11.722	0.076	11.745	0.136	11.760	0.220	11.782	0.228
11.800	0.244	11.817	0.173	11.840	0.105	11.863	0.101
11.886	0.153	11.904	0.078	11.930	-0.070	11.954	-0.233
11.971	-0.265	11.986	-0.197	12.015	-0.044	12.038	0.044
12.054	0.044	12.066	-0.008	12.079	-0.083	12.089	-0.119
12.104	-0.031	12.127	0.097	12.146	-0.023	12.156	-0.039
12.173	0.045	12.190	0.114	12.213	0.122	12.229	0.050

12.248	-0.098	12.263	-0.169	12.279	-0.153	12.307	-0.181
12.329	-0.093	12.352	-0.037	12.378	-0.045	12.399	-0.141
12.431	-0.157	12.448	-0.041	12.470	0.067	12.491	0.015
12.514	-0.013	12.532	-0.037	12.554	-0.085	12.581	-0.009
12.601	0.099	12.627	0.223	12.641	0.171	12.654	0.051
12.665	0.011	12.691	0.071	12.714	0.095	12.744	0.059
12.763	0.011	12.781	-0.017	12.811	0.067	12.832	-0.041
12.853	-0.181	12.875	-0.161	12.901	-0.017	12.918	0.095
12.933	0.091	12.947	-0.025	12.966	-0.101	12.993	-0.085
13.021	-0.141	13.042	-0.181	13.072	-0.121	13.091	-0.045
13.113	-0.077	13.134	-0.081	13.159	-0.013	13.191	-0.017
13.219	0.071	13.239	0.007	13.266	-0.133	13.313	-0.017
13.351	-0.017	13.374	0.075	13.395	0.043	13.423	-0.013
13.444	-0.077	13.470	0.027	13.504	-0.005	13.538	0.071
13.559	0.103	13.590	0.071	13.623	-0.013	13.648	-0.061
13.686	0.006	13.702	0.026	13.738	-0.054	13.759	0.062
13.778	0.177	13.801	0.109	13.828	-0.023	13.853	-0.079
13.892	-0.056	13.909	0.068	13.928	0.208	13.947	0.219
13.967	0.175	13.984	-0.001	14.010	-0.153	14.036	-0.154
14.053	-0.034	14.071	0.041	14.088	-0.019	14.106	-0.067
14.120	0.004	14.142	0.120	14.166	0.111	14.193	0.011
14.216	-0.014	14.238	0.058	14.254	0.149	14.285	0.081
14.317	0.108	14.340	0.064	14.364	-0.009	14.388	0.023
14.419	0.150	14.443	0.210	14.464	0.158	14.486	0.018
14.503	-0.058	14.534	-0.002	14.558	0.022	14.580	0.093
14.605	0.037	14.629	-0.027	14.661	0.061	14.684	0.109
14.716	0.044	14.747	-0.060	14.788	-0.032	14.822	0.008
14.855	0.001	14.885	-0.027	14.907	0.081	14.930	0.157
14.955	0.089	14.976	-0.027	14.997	-0.098	15.019	-0.010
15.034	0.070	15.066	0.062	15.095	0.162	15.122	0.086
15.160	0.022	15.185	0.018	15.226	-0.049	15.266	-0.049
15.298	0.083	15.321	0.023	15.353	-0.057	15.376	-0.085
15.403	-0.001	15.429	0.051	15.453	0.007	15.467	-0.069
15.490	-0.149	15.512	-0.061	15.531	0.047	15.553	-0.029
15.568	-0.109	15.591	-0.129	15.611	-0.069	15.630	-0.009
15.658	-0.025	15.685	-0.037	15.708	-0.105	15.725	-0.161
15.750	-0.061	15.772	0.039	15.790	0.079	15.809	0.031
15.832	-0.069	15.858	-0.085	15.879	-0.057	15.899	-0.081
15.927	-0.045	15.955	0.019	15.981	-0.053	15.995	-0.101
16.020	-0.145	16.043	-0.085	16.074	-0.069	16.108	-0.013
16.139	0.055	16.163	0.027	16.182	-0.057	16.200	-0.029
16.221	0.031	16.240	0.011	16.258	-0.113	16.277	-0.225
16.292	-0.245	16.319	-0.153	16.342	-0.001	16.361	0.111
16.383	0.135	16.405	0.099	16.437	0.015	16.458	-0.085
16.501	-0.101	16.528	-0.021	16.562	0.083	16.581	0.071
16.610	-0.049	16.648	-0.057	16.675	-0.073	16.686	-0.025
16.710	-0.089	16.726	-0.109	16.753	-0.017	16.781	0.051
16.809	0.043	16.832	-0.041	16.847	-0.057	16.880	0.023
16.929	0.071	16.964	0.099	16.991	0.011	17.017	-0.125
17.035	-0.133	17.057	-0.001	17.073	0.071	17.097	0.039
17.113	-0.053	17.135	-0.077	17.154	0.007	17.173	0.071
17.203	0.035	17.235	-0.057	17.255	-0.065	17.282	0.023
17.319	0.055	17.349	0.043	17.374	-0.021	17.398	-0.021
17.425	0.018	17.449	0.078	17.481	0.118	17.513	0.086
17.547	0.018	17.577	-0.023	17.619	0.005	17.658	0.033
17.689	0.105	17.706	0.144	17.731	0.044	17.757	-0.052

17.779	-0.072	17.798	-0.045	17.824	-0.089	17.865	-0.054
17.907	0.029	17.925	0.077	17.943	0.109	17.965	0.033
17.989	0.012	18.012	0.056	18.033	0.032	18.059	0.115
18.090	0.063	18.125	-0.065	18.159	-0.074	18.188	0.002
18.226	0.041	18.270	0.057	18.302	0.008	18.331	-0.060
18.358	-0.120	18.384	-0.124	18.421	-0.104	18.447	-0.036
18.470	0.003	18.498	-0.037	18.538	-0.121	18.566	-0.161
18.589	-0.061	18.611	0.007	18.645	-0.001	18.678	-0.021
18.708	-0.005	18.728	-0.021	18.750	-0.101	18.769	-0.169
18.797	-0.113	18.822	-0.101	18.850	-0.101	18.874	0.011
18.904	0.091	18.925	0.047	18.951	-0.105	18.977	-0.157
19.012	-0.101	19.040	-0.037	19.081	-0.037	19.126	-0.060
19.162	-0.084	19.190	-0.108	19.211	0.032	19.238	0.092
19.265	0.052	19.304	-0.084	19.333	-0.036	19.354	0.012
19.386	-0.092	19.414	-0.063	19.457	0.061	19.494	0.025
19.536	0.101	19.574	0.022	19.601	-0.030	19.630	0.078
19.666	0.070	19.699	0.006	19.735	-0.006	19.770	0.098
19.802	0.039	19.829	-0.021	19.868	0.007	19.893	0.087
19.920	0.127	19.940	0.047	19.972	-0.037	20.008	-0.037
20.033	0.071	20.062	0.039	20.094	0.063	20.133	0.039
20.154	-0.037	20.187	-0.061	20.234	0.039	20.272	0.055
20.304	0.035	20.332	0.067	20.363	0.003	20.402	0.071
20.452	0.031	20.502	-0.005	20.550	0.027	20.578	-0.049
20.608	-0.057	20.641	0.039	20.677	0.015	20.704	-0.002
20.744	0.021	20.773	-0.011	20.811	-0.052	20.845	0.035
20.871	0.027	20.901	-0.002	20.926	0.029	20.968	-0.036
20.991	-0.064	21.021	0.006	21.053	-0.031	21.084	0.008
21.118	0.026	21.136	0.010	21.162	-0.031	21.187	-0.013
21.212	-0.002	21.226	0.014	21.242	0.026	21.257	0.053
21.272	0.057	21.285	0.033	21.301	-0.007	21.319	-0.056
21.332	-0.072	21.356	-0.044	21.374	-0.013	21.389	-0.001
21.405	0.019	21.420	0.058	21.435	0.090	21.453	0.089
21.482	0.053	21.486	0.049	21.498	0.005	21.509	-0.031
21.521	-0.044	21.537	-0.024	21.555	-0.008	21.573	-0.057
21.586	-0.105	21.604	-0.133	21.623	-0.101	21.636	-0.053
21.657	0.027	21.674	0.091	21.692	0.099	21.710	0.087
21.727	0.035	21.745	-0.025	21.761	-0.077	21.782	-0.101
21.807	-0.105	21.822	-0.065	21.840	-0.021	21.857	0.031
21.872	0.055	21.892	0.019	21.910	-0.013	21.929	-0.037
21.946	-0.037	21.970	-0.021	21.994	-0.013	22.017	0.011
22.037	0.043	22.052	0.043	22.074	0.043	22.091	0.035
22.112	0.003	22.135	0.011	22.159	0.023	22.178	0.003
22.201	-0.025	22.219	0.003	22.238	0.043	22.257	0.103
22.273	0.099	22.297	0.087	22.317	0.055	22.334	0.019
22.360	0.015	22.388	-0.029	22.398	-0.033	22.417	-0.005
22.440	-0.045	22.459	-0.081	22.481	-0.033	22.501	0.019
22.520	0.051	22.541	0.027	22.564	-0.021	22.580	-0.057
22.604	-0.033	22.633	0.011	22.650	-0.017	22.671	-0.057
22.687	-0.077	22.714	-0.089	22.730	-0.089	22.761	-0.041
22.782	-0.033	22.809	0.007	22.833	0.003	22.856	-0.013
22.879	-0.053	22.903	-0.109	22.916	-0.125	22.937	-0.049
22.961	-0.017	22.983	0.007	23.002	0.035	23.030	-0.005
23.062	-0.005	23.086	-0.053	23.111	-0.037	23.137	-0.029
23.163	0.003	23.189	0.015	23.214	0.012	23.239	0.008
23.263	0.008	23.288	0.012	23.309	-0.004	23.330	-0.016
23.351	-0.016	23.376	-0.016	23.407	-0.004	23.433	-0.004

23.451	-0.000	23.475	0.043	23.494	0.083	23.513	0.095
23.530	0.059	23.553	0.027	23.574	-0.005	23.599	0.026
23.623	0.014	23.646	0.022	23.669	0.029	23.687	0.025
23.709	0.017	23.734	0.032	23.757	0.052	23.776	0.039
23.792	0.031	23.810	0.015	23.831	0.031	23.860	0.067
23.876	0.055	23.899	0.023	23.924	-0.017	23.950	0.002
23.976	0.010	23.989	0.014	24.010	0.046	24.033	0.050
24.055	0.038	24.072	0.026	24.088	0.014	24.104	0.022
24.125	0.010	24.141	0.010	24.160	0.022	24.177	0.029
24.200	0.013	24.212	0.017	24.229	0.041	24.251	0.045
24.272	0.017	24.299	-0.023	24.322	0.013	24.342	0.049
24.369	0.072	24.386	0.056	24.412	0.016	24.440	-0.025
24.463	-0.001	24.482	-0.002	24.507	0.002	24.536	-0.010
24.554	-0.007	24.577	-0.015	24.594	0.001	24.619	0.001
24.643	-0.011	24.663	-0.027	24.689	-0.007	24.718	-0.008
24.742	-0.012	24.755	-0.012	24.782	0.008	24.804	0.028
24.831	-0.000	24.856	-0.032	24.882	-0.036	24.903	-0.011
24.929	0.025	24.950	0.049	24.970	0.045	24.987	0.033
25.012	0.009	25.034	-0.018	25.054	-0.042	25.081	-0.054
25.117	-0.062	25.135	-0.018	25.155	0.046	25.179	0.066
25.195	0.054	25.213	0.026	25.233	-0.026	25.259	-0.070
25.283	-0.026	25.307	-0.006	25.336	0.002	25.364	0.058
25.388	0.021	25.407	-0.007	25.427	-0.023	25.465	0.009
25.481	0.009	25.502	-0.003	25.532	0.012	25.563	0.036
25.591	0.052	25.617	0.028	25.639	-0.020	25.664	-0.048
25.686	0.012	25.725	0.080	25.748	0.045	25.780	0.017
25.814	-0.007	25.842	-0.007	25.881	-0.007	25.897	-0.007
25.920	-0.007	25.943	-0.007	25.970	0.017	25.999	0.037
26.022	0.010	26.040	-0.010	26.071	0.014	26.091	0.030
26.109	-0.011	26.124	-0.027	26.151	0.008	26.170	0.024
26.197	0.047	26.217	0.003	26.240	-0.017	26.260	-0.010
26.283	0.014	26.314	0.041	26.347	0.020	26.369	-0.001
26.397	-0.009	26.414	-0.010	26.437	0.013	26.469	0.029
26.498	0.028	26.523	0.031	26.552	0.030	26.584	-0.002
26.613	-0.023	26.643	-0.004	26.675	-0.016	26.694	-0.012
26.723	0.023	26.742	0.039	26.768	0.002	26.799	-0.046
26.833	-0.039	26.874	-0.019	26.899	0.044	26.917	0.008
26.943	-0.016	26.970	-0.032	26.990	-0.044	27.019	-0.025
27.053	-0.025	27.082	-0.017	27.112	-0.005	27.136	0.015
27.151	0.003	27.171	-0.005	27.189	-0.029	27.207	-0.060
27.228	-0.032	27.256	-0.008	27.282	-0.000	27.305	0.028
27.324	0.036	27.348	0.012	27.371	-0.004	27.397	0.001
27.415	0.001	27.430	0.001	27.457	0.009	27.481	-0.027
27.497	-0.038	27.525	-0.006	27.544	-0.002	27.572	-0.002
27.594	-0.002	27.606	-0.006	27.630	-0.030	27.656	-0.038
27.682	-0.038	27.695	-0.038	27.713	-0.047	27.734	-0.007
27.752	0.009	27.773	0.001	27.787	0.001	27.809	0.013
27.835	-0.015	27.855	-0.028	27.874	-0.028	27.894	-0.008
27.922	0.019	27.939	0.011	27.973	0.046	28.004	0.026
28.022	0.018	28.033	-0.018	28.056	-0.031	28.077	-0.019
28.100	0.017	28.126	0.052	28.143	0.056	28.166	0.024
28.200	-0.016	28.224	-0.029	28.250	-0.037	28.265	-0.041
28.291	-0.010	28.316	0.034	28.341	0.046	28.358	0.058
28.371	0.058	28.387	0.049	28.409	0.025	28.423	0.005
28.438	-0.011	28.461	0.001	28.481	0.029	28.508	0.068
28.535	0.044	28.557	0.028	28.581	0.012	28.604	-0.016

28.624	-0.033	28.647	-0.009	28.669	-0.001	28.690	0.011
28.704	0.023	28.722	0.031	28.741	0.050	28.759	0.066
28.780	0.054	28.801	0.006	28.822	-0.026	28.844	-0.038
28.866	-0.010	28.892	0.029	28.917	0.025	28.931	0.025
28.951	0.025	28.971	0.033	28.988	0.048	29.009	0.040
29.028	0.008	29.044	-0.016	29.064	-0.032	29.078	-0.028
29.096	-0.020	29.116	-0.012	29.131	0.003	29.147	0.007
29.164	0.019	29.191	0.027	29.209	0.003	29.237	-0.025
29.269	0.022	29.282	0.002	29.309	-0.030	29.327	-0.058
29.345	-0.006	29.370	0.042	29.389	0.021	29.414	0.001
29.439	0.017	29.458	0.025	29.484	-0.019	29.507	-0.019
29.528	-0.012	29.556	0.008	29.582	0.016	29.600	0.016
29.619	0.016	29.640	0.016	29.659	0.016	29.680	0.016
29.703	0.028	29.726	0.004	29.747	-0.020	29.768	-0.016
29.793	-0.008	29.814	-0.016	29.838	-0.028	29.857	-0.032
29.897	0.025	29.926	0.025	29.951	0.013	29.974	0.005
29.992	0.009	30.011	0.009	30.038	-0.014	30.063	-0.006
30.086	-0.006	30.113	-0.005	30.138	0.003	30.165	0.039
30.189	-0.000	30.214	-0.044	30.241	-0.020	30.264	0.005
30.290	0.021	30.313	0.029	30.337	0.029	30.373	-0.015
30.409	-0.039	30.442	0.009	30.459	0.025	30.485	0.013
30.509	0.013	30.527	-0.007	30.551	0.009	30.577	0.005
30.601	-0.003	30.631	0.021	30.655	0.017	30.680	0.020
30.705	0.035	30.733	0.029	30.753	0.016	30.771	-0.008
30.791	0.003	30.811	0.006	30.830	0.037	30.856	0.048
30.880	0.003	30.904	-0.014	30.921	-0.019	30.941	0.016
30.965	0.035	30.988	0.006	31.011	-0.023	31.032	-0.016
31.058	0.031	31.083	0.006	31.107	-0.023	31.133	-0.028
31.161	-0.018	31.177	-0.010	31.196	-0.043	31.208	-0.056
31.230	-0.033	31.265	0.031	31.291	-0.013	31.314	-0.033
31.341	-0.002	31.383	-0.002	31.407	-0.002	31.426	-0.026
31.448	-0.011	31.474	0.025	31.507	0.057	31.527	0.025
31.550	0.009	31.571	-0.012	31.589	-0.048	31.614	-0.080
31.634	-0.080	31.649	-0.072	31.666	-0.020	31.676	0.027
31.695	0.091	31.702	0.123	31.714	0.167	31.722	0.167
31.740	0.127	31.751	0.059	31.763	-0.005	31.780	-0.073
31.795	-0.089	31.821	-0.125	31.835	-0.109	31.857	-0.041
31.872	-0.001	31.886	-0.009	31.899	-0.021	31.917	0.047
31.928	0.119	31.939	0.171	31.950	0.127	31.959	0.059
31.972	-0.013	31.982	-0.057	31.991	-0.081	32.006	-0.041
32.024	0.063	32.049	0.183	32.063	0.119	32.081	0.023
32.096	-0.053	32.107	-0.089	32.121	-0.117	32.134	-0.081
32.146	-0.033	32.163	0.047	32.174	-0.005	32.189	-0.073
32.205	-0.133	32.226	-0.073	32.244	-0.009	32.268	0.071
32.282	0.019	32.297	-0.061	32.308	-0.089	32.323	-0.017
32.339	0.079	32.351	0.159	32.366	0.223	32.386	0.135
32.398	0.039	32.411	-0.025	32.426	-0.073	32.445	-0.021
32.461	0.071	32.484	0.195	32.500	0.119	32.513	0.039
32.527	-0.017	32.549	0.015	32.568	0.039	32.589	0.039
32.605	-0.053	32.617	-0.125	32.634	-0.197	32.652	-0.121
32.670	0.027	32.684	0.147	32.701	0.227	32.716	0.183
32.732	0.071	32.745	-0.017	32.758	-0.045	32.776	0.023
32.794	0.083	32.810	0.031	32.826	-0.037	32.840	-0.073
32.858	-0.045	32.890	0.023	32.916	0.040	32.932	0.040
32.953	0.040	32.979	0.048	32.999	0.012	33.020	-0.039
33.048	0.037	33.070	0.081	33.102	0.093	33.123	0.049

33.155	-0.022	33.175	-0.022	33.198	-0.014	33.216	0.018
33.240	0.062	33.264	0.034	33.305	-0.029	33.326	-0.001
33.340	0.011	33.365	-0.021	33.389	0.026	33.418	0.062
33.442	0.074	33.461	0.066	33.480	0.050	33.497	0.018
33.519	-0.027	33.540	-0.071	33.559	-0.067	33.574	-0.047
33.603	0.021	33.618	0.020	33.648	0.048	33.672	0.036
33.700	0.019	33.723	0.039	33.743	0.023	33.764	0.011
33.786	-0.010	33.804	-0.022	33.818	-0.014	33.842	0.034
33.864	0.073	33.891	0.009	33.901	0.005	33.921	-0.027
33.954	-0.071	33.978	-0.040	34.001	0.032	34.029	0.087
34.050	0.075	34.073	0.035	34.096	0.015	34.120	-0.002
34.151	-0.030	34.175	-0.023	34.203	0.005	34.232	0.044
34.259	0.072	34.277	0.036	34.300	-0.013	34.322	-0.045
34.349	-0.013	34.388	-0.006	34.424	0.014	34.446	0.001
34.470	-0.019	34.507	-0.019	34.517	-0.023	34.529	-0.024
34.557	0.000	34.576	0.008	34.592	0.008	34.611	0.003
34.634	0.003	34.653	0.003	34.672	-0.001	34.691	-0.010
34.710	-0.002	34.733	0.046	34.764	0.057	34.788	0.017
34.813	-0.015	34.826	-0.027	34.850	-0.016	34.881	0.007
34.905	0.019	34.929	0.010	34.949	0.002	34.968	0.005
34.988	-0.003	35.004	-0.024	35.025	-0.024	35.042	0.015
35.060	0.051	35.077	0.031	35.096	-0.002	35.118	-0.018
35.140	-0.015	35.166	0.025	35.190	0.016	35.210	0.016
35.227	0.032	35.244	0.039	35.280	-0.017	35.301	-0.014
35.323	-0.026	35.340	-0.018	35.352	-0.018	35.371	-0.026
35.392	-0.030	35.415	-0.002	35.447	0.022	35.467	0.022
35.499	0.007	35.518	0.011	35.539	0.007	35.560	0.007
35.578	-0.009	35.602	0.007	35.631	0.031	35.651	0.007
35.674	0.008	35.704	0.004	35.729	0.012	35.751	0.000
35.765	0.000	35.793	0.021	35.811	0.025	35.827	0.021
35.852	0.041	35.885	0.053	35.905	0.013	35.918	-0.015
35.947	0.001	35.972	0.008	35.995	0.004	36.012	0.004
36.036	0.000	36.057	-0.004	36.070	-0.004	36.094	0.048
36.114	0.032	36.135	0.019	36.156	0.019	36.180	-0.005
36.204	-0.001	36.221	0.006	36.242	0.014	36.259	0.022
36.280	0.038	36.308	0.041	36.329	0.045	36.345	0.017
36.366	0.000	36.387	0.004	36.407	-0.008	36.433	-0.009
36.458	0.011	36.479	0.051	36.500	0.046	36.522	0.034
36.545	0.022	36.566	0.001	36.592	-0.011	36.610	-0.031
36.633	0.001	36.657	0.032	36.681	0.016	36.705	0.016
36.733	0.016	36.762	0.035	36.782	0.019	36.800	-0.009
36.826	0.015	36.845	0.003	36.869	0.011	36.887	0.007
36.907	-0.020	36.920	-0.032	36.939	-0.016	36.959	-0.008
36.991	-0.008	37.012	0.000	37.030	0.013	37.051	0.053
37.072	0.037	37.092	0.013	37.112	0.013	37.133	0.010
37.150	-0.002	37.174	0.003	37.195	0.007	37.216	0.015
37.231	0.019	37.255	0.012	37.276	0.012	37.299	0.044
37.341	-0.011	37.362	-0.011	37.385	-0.015	37.417	-0.023
37.443	-0.003	37.469	0.005	37.492	0.010	37.514	0.014
37.543	0.006	37.568	0.002	37.594	-0.006	37.619	-0.014
37.643	-0.011	37.670	-0.007	37.699	0.001	37.723	0.025
37.736	0.021	37.765	-0.012	37.786	-0.032	37.813	-0.020
37.835	-0.016	37.854	-0.004	37.874	-0.000	37.892	-0.013
37.910	-0.017	37.929	-0.021	37.953	-0.037	37.971	-0.013
37.995	0.011	38.015	0.014	38.036	0.014	38.053	0.018
38.075	0.010	38.098	-0.002	38.126	-0.002	38.150	-0.003

38.166	-0.003	38.183	-0.003	38.201	-0.015	38.226	-0.011
38.256	0.028	38.275	0.000	38.296	-0.016	38.312	-0.024
38.339	0.012	38.357	0.032	38.381	-0.012	38.409	-0.033
38.434	-0.057	38.459	-0.025	38.482	-0.005	38.505	0.010
38.525	0.026	38.546	0.014	38.575	-0.018	38.598	-0.014
38.627	-0.002	38.638	0.009	38.658	-0.003	38.681	-0.007
38.703	0.005	38.724	0.009	38.745	0.001	38.771	-0.012
38.789	-0.012	38.813	0.008	38.835	0.008	38.855	0.008
38.882	0.016	38.903	0.007	38.927	0.003	38.958	0.011
38.977	0.003	38.995	-0.005	39.019	0.006	39.045	0.018
39.064	0.026	39.085	0.022	39.104	0.018	39.123	0.018
39.139	0.017	39.160	0.017	39.181	-0.003	39.216	-0.004
39.232	-0.012	39.253	-0.012	39.271	-0.008	39.293	0.016
39.317	0.019	39.338	0.019	39.361	0.003	39.377	0.003
39.406	-0.010	39.432	-0.038	39.455	-0.030	39.481	-0.003
39.503	0.013	39.524	0.013	39.540	0.013	39.555	0.012
39.571	-0.004	39.590	-0.012	39.610	-0.024	39.621	-0.036
39.646	-0.004	39.666	-0.004	39.686	-0.004	39.710	-0.005
39.725	-0.005	39.744	-0.013	39.759	0.003	39.777	0.019
39.798	0.019	39.815	0.011	39.831	0.003	39.855	-0.009
39.878	-0.017	39.898	-0.009	39.913	0.007	39.932	0.031
39.954	0.003	39.967	-0.009	39.985	0.023	40.008	0.035
40.024	0.035	40.043	0.027	40.063	0.011	40.082	-0.001
40.107	-0.013	40.128	-0.005	40.146	-0.005	40.164	-0.009
40.182	0.007	40.197	0.039	40.217	0.007	40.233	-0.005
40.256	-0.029	40.274	-0.021	40.293	-0.009	40.308	0.007
40.326	0.039	40.345	0.015	40.368	-0.021	40.390	-0.009
40.413	0.003	40.431	0.007	40.458	-0.025	40.488	-0.013
40.513	-0.005	40.538	-0.005	40.558	-0.005	40.579	-0.005
40.596	-0.005	40.615	-0.005	40.643	-0.013	40.663	-0.017
40.684	-0.017	40.704	-0.013	40.721	-0.001	40.738	-0.013
40.762	-0.013	40.779	-0.009	40.802	0.019	40.824	0.027
40.839	0.023	40.856	0.019	40.880	0.007	40.897	0.007
40.926	-0.017	40.960	-0.001	40.980	-0.017	40.997	-0.017
41.016	-0.013	41.036	-0.013	41.056	0.023	41.079	0.035
41.096	0.035	41.119	0.023	41.138	-0.001	41.157	-0.025
41.185	-0.045	41.208	-0.013	41.229	0.011	41.249	0.003
41.280	-0.005	41.305	0.003	41.334	0.015	41.345	-0.001
41.365	0.003	41.394	0.023	41.412	0.011	41.434	0.003
41.460	-0.005	41.491	0.035	41.507	0.047	41.538	-0.005
41.556	0.011	41.575	0.011	41.598	0.019	41.622	0.007
41.641	0.007	41.659	0.011	41.676	0.011	41.696	0.015
41.712	0.015	41.733	0.015	41.753	0.015	41.772	0.015
41.790	0.007	41.810	0.006	41.838	0.010	41.859	0.009
41.878	0.008	41.901	0.027	41.921	0.018	41.939	0.013
41.963	0.011	41.989	-0.003	42.008	0.009	42.038	0.015
42.066	0.026	42.094	0.021	42.121	-0.003	42.149	-0.003
42.167	0.006	42.183	0.006	42.202	0.006	42.230	-0.006
42.251	0.030	42.273	0.038	42.299	0.022	42.318	0.014
42.333	0.014	42.342	0.006	42.367	0.009	42.384	-0.003
42.400	0.012	42.413	0.024	42.429	0.019	42.448	0.019
42.465	0.014	42.483	0.010	42.499	-0.007	42.511	0.001
42.523	0.000	42.535	-0.000	42.551	0.011	42.572	0.015
42.592	0.014	42.610	0.013	42.621	0.005	42.636	-0.012
42.650	-0.024	42.662	-0.020	42.684	-0.025	42.704	-0.022
42.720	-0.022	42.739	-0.022	42.752	-0.015	42.764	-0.007

42.777	0.009	42.790	0.024	42.803	0.040	42.813	0.036
42.826	0.024	42.843	0.003	42.859	-0.009	42.874	-0.026
42.885	-0.022	42.901	-0.010	42.926	-0.015	42.940	-0.019
42.957	-0.011	42.985	-0.012	42.997	-0.004	43.014	0.004
43.032	0.012	43.044	0.012	43.058	0.011	43.082	0.011
43.096	0.011	43.121	0.011	43.136	0.006	43.150	0.002
43.163	-0.002	43.179	-0.018	43.193	-0.014	43.204	-0.006
43.216	0.001	43.230	-0.003	43.245	0.001	43.259	0.005
43.276	0.000	43.292	-0.004	43.303	-0.000	43.317	0.004
43.332	0.004	43.345	-0.001	43.360	0.003	43.370	-0.005
43.387	-0.013	43.405	-0.026	43.422	-0.026	43.438	-0.034
43.449	-0.034	43.467	-0.035	43.480	-0.035	43.497	-0.031
43.514	-0.024	43.530	-0.016	43.545	-0.004	43.558	0.003
43.572	0.003	43.586	-0.005	43.596	-0.009	43.613	-0.022
43.627	-0.030	43.640	-0.022	43.654	-0.026	43.669	-0.027
43.684	-0.039	43.700	-0.039	43.720	-0.039	43.732	-0.023
43.749	-0.004	43.772	-0.008	43.793	-0.012	43.813	-0.012
43.828	-0.016	43.845	-0.020	43.867	-0.024	43.886	-0.025
43.902	-0.033	43.925	-0.033	43.943	-0.033	43.960	-0.033
43.984	-0.013	43.998	-0.021	44.015	-0.025	44.029	-0.017
44.049	-0.005	44.068	-0.009	44.093	0.006	44.108	-0.010
44.128	-0.026	44.144	-0.010	44.163	-0.002	44.181	-0.010
44.204	-0.026	44.223	-0.030	44.242	-0.038	44.257	-0.022
44.274	-0.014	44.291	-0.003	44.309	0.005	44.328	0.013
44.340	0.013	44.355	0.009	44.370	-0.003	44.390	-0.011
44.403	-0.027	44.418	-0.035	44.433	-0.043	44.443	-0.031
44.461	-0.016	44.477	-0.004	44.497	0.004	44.512	0.004
44.524	-0.008	44.540	-0.012	44.555	-0.016	44.570	-0.020
44.590	-0.024	44.611	-0.024	44.631	-0.016	44.650	-0.012
44.669	-0.005	44.687	-0.001	44.703	0.011	44.719	0.007
44.732	0.011	44.748	0.003	44.768	-0.001	44.799	-0.001
44.816	-0.009	44.839	-0.013	44.861	-0.013	44.890	-0.013
44.908	-0.013	44.926	-0.025	44.942	-0.017	44.963	-0.005
44.982	-0.001	44.998	-0.005	45.014	-0.009	45.032	-0.021
45.059	-0.021	45.081	-0.021	45.099	-0.013	45.122	-0.013
45.143	-0.013	45.168	-0.017	45.189	-0.017	45.210	-0.009
45.228	-0.005	45.247	-0.005	45.264	-0.009	45.279	-0.021
45.307	-0.025	45.326	-0.033	45.345	-0.029	45.365	-0.025
45.390	-0.013	45.412	-0.009	45.424	-0.005	45.447	-0.009
45.469	-0.013	45.493	-0.005	45.511	-0.021	45.534	-0.033
45.554	-0.021	45.581	-0.017	45.606	-0.009	45.627	0.003
45.641	-0.005	45.659	-0.017	45.676	-0.025	45.696	-0.029
45.717	-0.033	45.729	-0.029	45.746	-0.021	45.763	-0.013
45.783	-0.005	45.795	-0.013	45.811	-0.021	45.823	-0.037
45.837	-0.033	45.854	-0.025	45.871	-0.017	45.896	-0.009
45.915	-0.009	45.932	-0.005	45.953	-0.001	45.970	-0.001
45.983	0.007	45.997	-0.005	46.014	-0.017	46.032	-0.029
46.042	-0.021	46.058	-0.013	46.080	-0.017	46.100	-0.005
46.120	-0.014	46.138	-0.014	46.169	-0.014	46.195	-0.014
46.218	-0.006	46.237	-0.002	46.262	-0.018	46.280	-0.022
46.298	-0.018	46.320	-0.002	46.340	0.010	46.355	0.010
46.372	0.002	46.398	-0.018	46.421	-0.015	46.439	-0.003
46.459	0.013	46.479	0.009	46.506	0.005	46.526	0.013
46.548	0.017	46.556	0.009	46.573	-0.007	46.591	-0.024
46.606	-0.012	46.623	-0.012	46.649	-0.004	46.672	0.004
46.690	-0.004	46.705	-0.008	46.722	0.016	46.738	0.024

46.752	0.012	46.772	-0.009	46.794	-0.013	46.811	-0.021
46.833	0.007	46.852	-0.001	46.871	-0.009	46.889	-0.013
46.908	-0.021	46.935	-0.025	46.965	-0.022	46.988	-0.014
47.010	-0.018	47.033	-0.026	47.054	-0.018	47.073	-0.010
47.093	-0.002	47.109	0.006	47.128	-0.002	47.154	-0.019
47.172	-0.023	47.198	-0.023	47.225	-0.027	47.238	-0.019
47.258	-0.003	47.284	0.013	47.299	0.001	47.319	-0.019
47.339	-0.031	47.356	0.000	47.375	0.016	47.397	0.008
47.410	0.004	47.435	-0.020	47.447	-0.024	47.466	-0.020
47.487	-0.024	47.509	-0.025	47.537	-0.017	47.560	-0.001
47.576	0.003	47.589	0.011	47.608	-0.017	47.646	-0.018
47.678	-0.006	47.714	-0.006	47.747	-0.006	47.783	-0.007
47.814	0.001	47.844	-0.003	47.873	-0.004	47.910	-0.008
47.934	-0.005	47.960	0.011	47.978	0.003	47.999	-0.006
48.028	-0.002	48.043	0.018	48.066	0.021	48.092	0.005
48.124	0.004	48.148	0.004	48.176	0.007	48.201	0.011
48.221	0.015	48.237	0.010	48.263	0.010	48.292	0.009
48.312	-0.003	48.337	-0.008	48.354	0.004	48.378	0.016
48.398	0.027	48.412	0.023	48.438	0.002	48.460	-0.014
48.487	-0.026	48.516	-0.019	48.534	-0.007	48.551	0.000
48.574	0.016	48.594	0.011	48.621	0.011	48.650	0.003
48.685	0.002	48.712	-0.002	48.740	-0.003	48.763	0.001
48.781	0.008	48.805	0.016	48.824	0.008	48.850	-0.009
48.868	-0.017	48.887	-0.009	48.903	-0.002	48.923	0.006
48.947	0.014	48.967	0.005	48.993	-0.003	49.017	-0.015
49.040	-0.020	49.061	-0.012	49.080	-0.016	49.105	-0.001
49.126	-0.005	49.152	0.003	49.171	-0.002	49.199	-0.006
49.223	-0.006	49.256	-0.007	49.290	-0.007	49.307	0.000
49.334	-0.000	49.357	0.007	49.384	0.011	49.406	0.007
49.444	0.006	49.477	0.002	49.503	-0.010	49.528	0.005
49.569	0.005	49.612	0.000	49.654	-0.004	49.692	-0.004
49.735	-0.009	49.767	-0.013	49.792	-0.021	49.819	-0.029
49.846	-0.026	49.869	-0.022	49.893	-0.006	49.917	0.002
49.942	-0.006	49.966	-0.010	49.995	-0.015	50.021	-0.023
50.052	-0.031	50.085	-0.031	50.108	-0.023	50.142	-0.028
50.159	-0.016	50.181	-0.008	50.196	-0.012	50.216	-0.024
50.235	-0.020	50.256	-0.012	50.286	-0.024	50.339	-0.024
50.362	-0.017	50.389	-0.021	50.406	-0.025	50.431	-0.041
50.450	-0.017	50.470	-0.009	50.499	-0.021	50.529	-0.025
50.556	-0.005	50.582	-0.021	50.606	0.007	50.646	-0.025
50.664	-0.025	50.687	-0.006	50.707	-0.010	50.732	-0.014
50.758	0.010	50.793	0.006	50.829	-0.002	50.849	0.006
50.871	0.022	50.900	0.006	50.925	-0.010	50.958	-0.023
50.976	-0.027	51.001	-0.043	51.024	-0.019	51.050	-0.007
51.081	-0.007	51.102	0.005	51.131	-0.007	51.161	-0.011
51.208	-0.011	51.243	-0.015	51.274	-0.023	51.315	-0.003
51.349	0.001	51.398	-0.003	51.438	-0.003	51.458	-0.012
51.487	-0.024	51.515	-0.036	51.536	-0.024	51.568	0.004
51.588	0.024	51.610	0.015	51.642	0.003	51.668	-0.013
51.692	-0.021	51.728	-0.010	51.771	0.002	51.803	0.006
51.850	0.005	51.884	0.005	51.910	-0.008	51.953	-0.008
51.982	0.008	52.010	0.012	52.043	-0.001	52.085	0.007
52.107	0.003	52.139	-0.006	52.197	-0.006	52.222	-0.006
52.263	0.013	52.344	-0.005	52.358	-0.002	52.378	0.003
52.394	0.016	52.419	0.004	52.447	0.000	52.464	0.001
52.484	-0.002	52.510	-0.010	52.525	-0.015	52.546	-0.021

52.569	-0.003	52.585	0.000	52.603	-0.009	52.623	-0.018
52.640	-0.022	52.663	-0.017	52.701	-0.021	52.740	-0.012
52.771	-0.012	52.800	-0.014	52.832	-0.008	52.858	-0.027
52.878	-0.030	52.908	-0.008	52.938	-0.006	52.953	-0.006
52.969	-0.005	52.988	-0.000	53.006	-0.007	53.018	-0.003
53.045	0.007	53.073	0.016	53.093	0.021	53.114	0.017
53.126	0.005	53.146	-0.002	53.164	0.002	53.191	0.019
53.211	0.011	53.230	0.012	53.247	0.012	53.261	0.008
53.277	0.021	53.298	0.009	53.317	0.006	53.334	0.006
53.354	-0.005	53.376	0.003	53.403	0.008	53.425	0.020
53.445	0.025	53.458	0.021	53.482	0.018	53.498	0.026
53.514	0.026	53.534	0.010	53.555	0.035	53.577	0.035
53.595	0.023	53.615	0.031	53.632	0.027	53.649	0.034
53.665	0.034	53.684	0.026	53.702	0.022	53.717	0.030
53.730	0.029	53.752	0.004	53.772	0.016	53.795	0.035
53.817	0.046	53.839	0.033	53.862	0.004	53.877	0.012
53.901	0.015	53.926	0.034	53.947	0.025	53.974	0.024
53.992	0.039	54.008	0.023	54.031	0.002	54.044	0.018
54.061	0.015	54.077	0.031	54.102	0.027	54.121	0.004
54.132	0.016	54.156	0.012	54.179	0.017	54.205	0.021
54.232	0.006	54.261	0.010	54.288	0.015	54.311	0.016
54.334	0.008	54.357	0.017	54.382	0.022	54.418	0.022
54.442	0.022	54.464	0.006	54.479	0.023	54.499	0.023
54.522	0.027	54.545	0.023	54.566	0.031	54.591	0.039
54.621	0.031	54.643	0.027	54.664	0.031	54.693	0.015
54.722	0.023	54.742	0.027	54.766	0.039	54.792	0.027
54.832	0.015	54.861	0.015	54.891	0.031	54.916	0.023
54.951	0.023	54.975	0.027	55.010	0.014	55.023	0.022
55.034	0.002	55.047	0.026	55.069	0.026	55.089	0.014
55.113	0.022	55.134	0.029	55.163	0.033	55.183	0.021
55.210	0.024	55.240	0.032	55.272	0.035	55.306	0.022
55.337	0.025	55.363	0.049	55.392	0.028	55.427	0.030
55.465	0.017	55.508	0.011	55.544	0.010	55.571	0.014
55.603	0.025	55.625	0.025	55.663	0.025	55.686	0.041
55.722	0.037	55.753	0.036	55.784	0.020	55.816	0.015
55.839	0.019	55.868	0.022	55.880	0.037	55.899	0.044
55.931	0.039	55.962	0.022	55.990	0.021	56.011	0.009
56.021	0.005	56.051	0.024	56.086	0.067	56.107	0.055
56.132	0.031	56.153	0.007	56.183	0.015	56.222	-0.001
56.241	0.011	56.256	0.039	56.273	0.043	56.299	0.035
56.358	0.015	56.398	0.023	56.435	-0.013	56.475	0.023
56.513	0.015	56.549	0.023	56.591	0.015	56.626	0.015
56.645	0.023	56.672	0.011	56.704	-0.001	56.737	-0.002
56.764	-0.006	56.781	0.022	56.803	0.042	56.825	0.025
56.853	0.025	56.882	0.021	56.910	0.020	56.943	0.004
56.968	0.011	56.995	0.039	57.017	0.035	57.038	0.018
57.063	0.006	57.098	0.001	57.125	0.025	57.160	0.013
57.189	0.004	57.221	-0.020	57.256	0.008	57.283	0.019
57.336	0.015	57.361	-0.009	57.383	0.011	57.407	0.024
57.432	0.032	57.449	0.040	57.477	0.032	57.504	0.020
57.521	0.012	57.540	-0.012	57.563	0.024	57.587	0.023
57.616	0.001	57.644	-0.000	57.665	0.019	57.694	0.033
57.731	0.031	57.753	0.005	57.778	0.016	57.810	0.007
57.848	0.014	57.895	0.033	57.919	0.025	57.949	-0.003
57.981	0.016	58.011	0.012	58.034	-0.000	58.062	0.016
58.105	0.015	58.134	-0.009	58.170	-0.017	58.200	0.019

58.211	0.027	58.238	0.031	58.271	0.019	58.302	0.011
58.329	0.015	58.360	0.015	58.390	0.011	58.439	0.015
58.474	0.007	58.511	-0.005	58.538	-0.000	58.564	0.024
58.587	0.016	58.613	0.017	58.637	0.014	58.655	0.014
58.686	0.015	58.713	0.016	58.746	0.025	58.776	0.026
58.813	0.023	58.848	0.021	58.892	0.030	58.921	0.039
58.953	0.027	58.990	0.025	59.056	0.018	59.084	0.017
59.118	0.014	59.146	0.019	59.187	0.003	59.225	0.022
59.266	0.017	59.300	0.011	59.329	0.007	59.369	0.008
59.396	-0.003	59.435	0.001	59.481	0.023	59.513	0.024
59.550	0.013	59.601	0.018	59.655	0.025	59.682	0.024
59.711	0.023	59.748	0.034	59.782	0.028	59.820	0.019
59.867	0.013	59.909	0.019	59.953	0.013	59.982	0.016
60.014	-0.001	60.030	-0.017	60.054	0.003	60.080	0.014
60.112	0.014	60.142	0.008	60.167	0.009	60.199	0.023
60.235	0.024	60.256	0.021	60.285	0.014	60.319	-0.003
60.352	0.004	60.396	0.015	60.426	0.010	60.459	0.005
60.491	0.008	60.517	-0.009	60.539	-0.009	60.568	0.006
60.621	0.010	60.672	0.006	60.684	0.006	60.721	-0.002
60.763	0.006	60.804	0.006	60.842	-0.005	60.887	0.007
60.934	0.007	60.975	0.007	61.006	0.007	61.032	-0.005
61.066	-0.001	61.105	0.003	61.143	0.007	61.183	0.003
61.218	-0.001	61.244	0.007	61.289	0.003	61.324	-0.001
61.362	-0.001	61.406	-0.001	61.455	0.003	61.514	0.003
61.538	0.003	61.569	0.003	61.605	0.006	61.644	0.014
61.692	0.005	61.733	-0.007	61.772	0.004	61.813	0.019
61.850	0.011	61.893	0.010	61.930	0.005	61.957	0.005
61.979	0.016	62.005	0.028	62.040	0.007	62.072	0.027
62.106	0.022	62.130	0.002	62.157	0.010	62.181	0.009
62.201	0.013	62.225	-0.007	62.255	0.017	62.281	0.026
62.304	0.034	62.325	0.022	62.356	0.006	62.382	0.019
62.422	0.023	62.465	0.026	62.504	0.016	62.532	0.027
62.573	0.025	62.606	0.019	62.642	0.019	62.691	0.015
62.732	0.015	62.796	0.007	62.878	0.007	62.916	0.006
62.932	0.001	62.961	0.016	62.992	0.019	63.013	0.010
63.032	0.009	63.055	0.016	63.072	0.004	63.091	0.011
63.111	0.002	63.133	-0.007	63.148	-0.011	63.162	0.001
63.185	0.012	63.198	0.012	63.211	0.004	63.230	-0.005
63.246	-0.013	63.265	-0.014	63.285	-0.014	63.305	-0.010
63.328	-0.015	63.342	-0.011	63.357	-0.007	63.370	0.000
63.383	0.000	63.400	-0.008	63.412	-0.008	63.429	-0.017
63.444	-0.009	63.458	-0.001	63.471	-0.005	63.483	-0.006
63.495	-0.010	63.506	-0.010	63.521	-0.018	63.529	-0.018
63.547	-0.014	63.565	-0.006	63.581	-0.003	63.596	0.001
63.616	0.005	63.632	0.005	63.648	0.001	63.660	-0.003
63.675	-0.007	63.688	-0.019	63.704	-0.015	63.719	-0.016
63.735	-0.012	63.755	-0.008	63.772	-0.004	63.790	-0.000
63.804	0.004	63.816	0.004	63.834	0.004	63.851	-0.004
63.872	-0.012	63.890	-0.004	63.905	-0.004	63.923	-0.011
63.941	-0.015	63.958	-0.007	63.976	-0.002	63.993	-0.002
64.010	-0.006	64.029	-0.014	64.044	-0.006	64.060	-0.010
64.076	-0.017	64.091	-0.005	64.109	-0.013	64.127	-0.009
64.146	-0.005	64.169	-0.005	64.191	-0.001	64.216	-0.001
64.233	-0.001	64.253	-0.004	64.277	-0.004	64.300	-0.000
64.326	-0.000	64.342	0.000	64.363	0.000	64.386	-0.004
64.412	-0.004	64.441	-0.003	64.469	0.001	64.494	0.001

64.513	-0.003	64.534	0.001	64.556	0.001	64.575	0.009
64.591	0.013	64.606	0.005	64.629	0.001	64.650	-0.003
64.664	0.001	64.684	0.008	64.698	0.004	64.721	0.004
64.740	0.008	64.757	0.008	64.778	0.004	64.801	0.000
64.825	-0.004	64.858	0.004	64.869	0.004	64.884	0.012
64.900	-0.000	64.921	-0.012	64.942	-0.008	64.962	0.004
64.983	0.003	65.006	-0.001	65.027	-0.005	65.057	0.003
65.080	0.015	65.100	0.007	65.123	0.007	65.147	0.003
65.164	-0.001	65.180	-0.001	65.197	-0.001	65.217	0.002
65.237	0.002	65.259	0.006	65.276	-0.002	65.290	-0.002
65.307	0.006	65.326	0.002	65.338	0.005	65.355	0.001
65.372	0.001	65.388	-0.003	65.405	-0.003	65.429	-0.003
65.448	-0.008	65.469	-0.008	65.483	-0.012	65.494	-0.004
65.507	0.003	65.519	-0.001	65.540	-0.005	65.556	-0.005
65.567	-0.013	65.586	-0.002	65.600	-0.006	65.622	-0.014
65.638	-0.010	65.651	-0.003	65.667	-0.003	65.680	-0.011
65.699	-0.007	65.723	-0.011	65.745	-0.015	65.768	-0.015
65.787	-0.012	65.800	-0.008	65.813	-0.004	65.830	0.000
65.846	-0.004	65.863	-0.008	65.882	-0.008	65.898	-0.008
65.914	-0.008	65.928	-0.008	65.950	-0.013	65.980	-0.009
66.014	-0.009	66.041	-0.013	66.069	-0.013	66.092	-0.001
66.116	-0.005	66.140	-0.005	66.160	-0.005	66.180	-0.009
66.195	-0.013	66.215	-0.013	66.235	-0.013	66.260	-0.009
66.283	-0.009	66.312	-0.005	66.338	-0.005	66.366	-0.001
66.386	-0.005	66.408	-0.009	66.428	-0.013	66.449	-0.017
66.466	-0.009	66.484	-0.001	66.501	-0.009	66.524	-0.009
66.539	-0.009	66.555	-0.001	66.573	-0.005	66.594	-0.009
66.610	-0.017	66.628	-0.005	66.644	0.003	66.657	-0.001
66.675	-0.001	66.687	-0.005	66.703	-0.005	66.721	-0.013
66.740	-0.021	66.758	-0.021	66.776	-0.017	66.797	-0.017
66.817	-0.013	66.836	-0.009	66.859	-0.009	66.877	-0.009
66.906	-0.013	66.935	-0.017	66.969	-0.009	66.997	-0.009
67.026	-0.009	67.050	-0.005	67.078	-0.004	67.097	-0.000
67.125	-0.004	67.149	-0.000	67.173	-0.000	67.192	-0.004
67.218	-0.008	67.244	-0.008	67.265	-0.004	67.285	-0.003
67.309	-0.011	67.328	-0.007	67.347	-0.007	67.370	0.001
67.392	0.001	67.407	0.001	67.432	-0.006	67.461	-0.002
67.487	-0.002	67.514	-0.006	67.526	-0.006	67.546	0.014
67.563	0.010	67.580	-0.002	67.598	-0.002	67.616	-0.002
67.638	0.006	67.653	0.010	67.668	-0.002	67.683	-0.010
67.696	-0.006	67.717	0.010	67.729	0.006	67.749	-0.006
67.773	-0.014	67.786	-0.014	67.805	-0.010	67.819	-0.002
67.837	0.002	67.854	0.006	67.866	0.006	67.883	-0.011
67.906	-0.027	67.920	-0.015	67.938	-0.007	67.955	-0.003
67.971	-0.007	67.994	-0.015	68.009	-0.007	68.026	0.004
68.049	0.020	68.063	0.008	68.088	0.0	68.110	-0.012
68.129	-0.020	68.144	-0.012	68.168	-0.001	68.185	0.015
68.205	0.015	68.228	0.003	68.249	-0.005	68.276	-0.005
68.295	-0.013	68.313	-0.018	68.330	-0.014	68.348	-0.006
68.368	0.010	68.385	0.006	68.409	-0.002	68.433	-0.002
68.450	-0.003	68.474	-0.015	68.497	-0.023	68.514	-0.023
68.529	-0.019	68.554	-0.007	68.573	-0.003	68.591	0.008
68.609	0.004	68.632	-0.004	68.656	-0.008	68.693	-0.008
68.737	-0.008	68.792	-0.009	68.835	-0.009	68.923	-0.009
69.020	-0.010	69.047	-0.010	69.077	-0.006	69.093	0.002
69.127	-0.010	69.168	-0.006	69.209	-0.003	69.252	-0.003

69.292	-0.007	69.332	-0.007	69.366	0.009	69.397	0.001
69.424	0.000	69.455	-0.008	69.489	-0.008	69.527	-0.016
69.557	-0.008	69.575	-0.008	69.596	0.004	69.628	-0.000
69.677	-0.001	69.721	-0.001	69.768	-0.001	69.811	-0.005
69.857	-0.002	69.895	-0.002	69.935	-0.002	69.959	-0.002
69.982	0.006	70.011	0.006	70.037	0.001	70.063	0.001
70.094	0.005	70.118	0.005	70.135	0.001	70.167	-0.003
70.201	-0.003	70.236	0.000	70.269	0.000	70.305	0.000
70.337	-0.000	70.366	-0.004	70.396	-0.004	70.430	-0.012
70.442	-0.012	70.460	0.004	70.480	0.012	70.499	0.004
70.512	-0.008	70.532	-0.032	70.551	-0.032	70.569	-0.024
70.588	0.000	70.603	-0.008	70.623	-0.020	70.641	-0.016
70.662	-0.004	70.681	-0.004	70.699	-0.004	70.715	-0.012
70.734	-0.016	70.759	-0.012	70.779	0.004	70.796	0.005
70.813	-0.003	70.835	-0.031	70.854	-0.019	70.866	0.001
70.883	-0.007	70.905	-0.027	70.924	-0.015	70.941	-0.003
70.957	0.005	70.977	0.005	70.992	-0.002	71.013	-0.014
71.036	-0.006	71.054	0.006	71.077	-0.002	71.099	-0.018
71.114	-0.026	71.141	0.002	71.175	0.022	71.200	-0.002
71.220	-0.019	71.244	0.001	71.270	-0.019	71.306	-0.027
71.329	-0.011	71.353	-0.007	71.384	0.001	71.412	-0.007
71.425	-0.003	71.438	-0.003	71.462	-0.011	71.484	-0.019
71.508	-0.019	71.531	-0.019	71.553	-0.007	71.573	0.004
71.589	0.004	71.605	-0.008	71.627	-0.012	71.652	-0.012
71.673	-0.005	71.702	-0.001	71.721	-0.001	71.753	-0.009
71.784	0.002	71.816	-0.002	71.851	0.002	71.882	0.001
71.917	-0.011	71.946	-0.003	71.984	-0.008	72.018	-0.024
72.045	-0.004	72.076	-0.001	72.104	-0.009	72.129	-0.001
72.153	0.002	72.183	-0.006	72.207	-0.010	72.228	0.006
72.258	-0.003	72.294	-0.003	72.333	-0.003	72.364	-0.012
72.389	-0.004	72.432	-0.004	72.460	-0.004	72.503	-0.020
72.534	-0.009	72.562	0.003	72.599	0.015	72.617	0.023
72.631	0.015	72.660	-0.021	72.686	-0.061	72.701	-0.053
72.721	-0.013	72.751	0.031	72.766	0.015	72.800	-0.041
72.815	-0.045	72.856	0.003	72.869	-0.005	72.907	-0.065
72.924	-0.045	72.976	0.022	73.007	0.022	73.041	-0.006
73.073	-0.046	73.108	-0.014	73.140	0.010	73.168	-0.014
73.226	0.021	73.261	-0.015	73.314	-0.047	73.334	-0.039
73.372	0.033	73.401	0.025	73.444	-0.059	73.465	-0.079
73.505	0.016	73.524	-0.017	73.531	-0.012	73.549	0.008
73.564	0.012	73.575	0.004	73.591	-0.004	73.606	-0.008
73.620	-0.012	73.636	-0.028	73.650	-0.020	73.662	-0.016
73.675	-0.024	73.688	-0.028	73.703	-0.033	73.714	-0.033
73.727	-0.021	73.742	-0.009	73.752	-0.001	73.763	0.010
73.774	0.010	73.786	-0.002	73.797	-0.014	73.808	-0.018
73.828	-0.023	73.845	-0.027	73.860	-0.023	73.873	-0.015
73.889	-0.008	73.900	-0.012	73.917	-0.016	73.927	-0.004
73.939	0.004	73.950	0.008	73.962	0.003	73.975	-0.005
73.992	-0.013	74.003	-0.021	74.015	-0.033	74.025	-0.037
74.039	-0.033	74.049	-0.021	74.066	-0.022	74.077	-0.022
74.094	-0.018	74.110	-0.018	74.120	-0.014	74.131	-0.006
74.147	-0.007	74.156	-0.007	74.167	-0.019	74.176	-0.023
74.182	-0.035	74.191	-0.039	74.203	-0.031	74.212	-0.027
74.225	-0.019	74.238	-0.019	74.249	-0.007	74.258	-0.003
74.267	-0.011	74.280	-0.023	74.288	-0.031	74.301	-0.023
74.312	0.001	74.322	0.005	74.332	0.017	74.342	0.018

74.358	-0.006	74.375	-0.018	74.389	-0.026	74.399	-0.038
74.408	-0.034	74.420	-0.018	74.430	-0.002	74.440	0.002
74.448	-0.006	74.460	-0.022	74.477	-0.030	74.489	-0.014
74.509	-0.006	74.524	-0.006	74.538	0.002	74.550	-0.006
74.565	-0.018	74.576	-0.006	74.583	-0.002	74.600	-0.005
74.613	-0.001	74.627	0.003	74.639	0.007	74.649	-0.005
74.663	-0.025	74.671	-0.033	74.680	-0.041	74.690	-0.033
74.705	-0.017	74.716	-0.017	74.731	-0.017	74.740	-0.013
74.754	-0.001	74.765	0.007	74.778	-0.001	74.789	-0.009
74.802	-0.021	74.815	-0.021	74.832	-0.021	74.846	-0.017
74.871	-0.033	74.893	-0.009	74.908	0.011	74.924	0.019
74.940	0.011	74.956	-0.013	74.971	-0.033	74.994	-0.033
75.009	-0.045	75.023	-0.061	75.033	-0.037	75.049	-0.013
75.063	-0.009	75.074	-0.021	75.089	-0.037	75.098	-0.037
75.113	-0.005	75.127	0.011	75.136	0.019	75.147	-0.001
75.162	-0.010	75.180	-0.018	75.192	-0.026	75.210	-0.034
75.227	-0.034	75.241	-0.030	75.252	-0.022	75.264	-0.018
75.277	-0.014	75.288	-0.034	75.299	-0.042	75.311	-0.054
75.322	-0.034	75.343	0.034	75.355	0.050	75.366	0.030
75.387	-0.002	75.402	-0.030	75.415	-0.042	75.429	-0.035
75.444	-0.023	75.460	-0.007	75.468	-0.007	75.479	-0.027
75.494	-0.043	75.505	-0.039	75.514	-0.015	75.534	0.017
75.547	0.033	75.560	0.033	75.572	0.017	75.584	0.000
75.598	-0.032	75.611	-0.052	75.622	-0.048	75.633	-0.032
75.650	-0.012	75.665	-0.016	75.678	-0.032	75.689	-0.028
75.702	-0.016	75.715	0.012	75.723	0.012	75.742	-0.004
75.759	-0.008	75.775	-0.005	75.790	-0.009	75.802	-0.009
75.813	-0.021	75.828	-0.033	75.839	-0.049	75.848	-0.037
75.860	-0.025	75.873	0.003	75.883	0.015	75.890	0.019
75.901	0.007	75.912	0.003	75.924	-0.009	75.940	-0.013
75.950	-0.017	75.961	-0.029	75.972	-0.041	75.982	-0.046
75.990	-0.046	75.999	-0.030	76.014	-0.010	76.026	0.006
76.038	0.010	76.049	0.018	76.059	0.010	76.073	0.002
76.084	-0.006	76.096	-0.018	76.107	-0.034	76.119	-0.046
76.130	-0.042	76.143	-0.034	76.154	-0.019	76.167	-0.011
76.180	-0.015	76.205	-0.011	76.226	-0.011	76.252	-0.011
76.272	-0.011	76.290	-0.015	76.306	-0.023	76.319	-0.031
76.333	-0.039	76.345	-0.040	76.356	-0.036	76.380	-0.012
76.396	-0.008	76.409	-0.008	76.429	-0.008	76.447	-0.008
76.464	-0.016	76.480	-0.028	76.493	-0.012	76.506	0.004
76.524	-0.004	76.544	-0.008	76.558	-0.016	76.572	-0.020
76.586	-0.029	76.600	-0.037	76.608	-0.041	76.619	-0.037
76.633	-0.033	76.648	-0.021	76.661	-0.005	76.678	-0.001
76.690	0.003	76.702	0.011	76.713	0.015	76.727	0.015
76.741	-0.001	76.759	-0.009	76.777	-0.021	76.791	-0.029
76.805	-0.033	76.819	-0.029	76.837	-0.025	76.855	-0.021
76.868	-0.013	76.879	-0.013	76.891	-0.005	76.898	-0.005
76.913	-0.013	76.936	-0.025	76.957	-0.029	76.972	-0.029
76.984	-0.033	76.996	-0.021	77.010	-0.013	77.027	-0.021
77.041	-0.025	77.056	-0.021	77.071	-0.013	77.091	0.003
77.108	-0.001	77.129	-0.009	77.147	-0.013	77.164	-0.017
77.178	-0.005	77.190	-0.005	77.209	-0.021	77.227	-0.033
77.242	-0.029	77.266	-0.021	77.287	-0.017	77.316	-0.021
77.343	-0.013	77.363	-0.005	77.383	-0.001	77.403	-0.005
77.423	-0.013	77.437	-0.013	77.456	-0.021	77.477	-0.025
77.499	-0.021	77.524	-0.021	77.545	-0.009	77.572	-0.009

77.594	-0.009	77.614	-0.005	77.635	0.003	77.652	-0.001
77.672	-0.013	77.689	-0.013	77.708	-0.009	77.724	-0.009
77.740	-0.013	77.758	-0.029	77.771	-0.025	77.788	-0.013
77.805	-0.009	77.820	-0.001	77.839	-0.005	77.863	-0.014
77.886	-0.014	77.910	-0.022	77.935	-0.026	77.954	-0.022
77.973	-0.014	77.994	-0.006	78.020	-0.010	78.044	-0.010
78.064	-0.010	78.083	0.002	78.099	-0.010	78.130	-0.027
78.147	-0.031	78.173	-0.015	78.191	-0.011	78.217	-0.011
78.241	0.013	78.257	0.009	78.278	-0.016	78.307	-0.012
78.328	-0.012	78.362	-0.008	78.386	-0.008	78.415	-0.001
78.439	0.007	78.456	0.003	78.474	-0.013	78.493	-0.033
78.508	-0.029	78.526	-0.017	78.541	-0.010	78.567	-0.010
78.585	-0.002	78.609	-0.006	78.632	-0.018	78.651	-0.027
78.671	-0.031	78.687	-0.027	78.706	-0.019	78.726	-0.011
78.743	-0.003	78.762	-0.012	78.782	-0.016	78.796	-0.016
78.811	-0.000	78.825	0.004	78.845	-0.001	78.862	-0.013
78.881	-0.021	78.902	-0.029	78.920	-0.033	78.937	-0.042
78.949	-0.034	78.967	-0.026	78.978	-0.010	78.992	-0.002
79.007	0.001	79.027	-0.015	79.041	-0.027	79.071	-0.027
79.089	-0.019	79.109	-0.015	79.125	-0.003	79.142	0.001
79.161	-0.011	79.181	-0.023	79.200	-0.031	79.222	-0.039
79.235	-0.032	79.251	-0.020	79.266	-0.008	79.282	0.000
79.300	-0.012	79.317	-0.024	79.340	-0.024	79.361	-0.016
79.375	-0.004	79.399	-0.016	79.422	-0.020	79.444	-0.020
79.462	-0.020	79.482	-0.024	79.508	-0.024	79.530	-0.016
79.549	-0.012	79.565	-0.004	79.579	-0.007	79.596	-0.027
79.612	-0.035	79.636	-0.027	79.656	-0.023	79.677	-0.011
79.698	-0.011	79.722	-0.023	79.741	-0.019	79.763	-0.019
79.785	-0.011	79.803	0.001	79.819	-0.011	79.837	-0.023
79.855	-0.023	79.873	-0.023	79.889	-0.019	79.904	-0.011
79.918	-0.003	79.934	-0.011	79.948	-0.015	79.964	-0.027
79.979	-0.039	79.993	-0.035	80.010	-0.023	80.033	-0.019
80.055	-0.015	80.077	-0.011	80.103	-0.015	80.131	-0.019
80.156	-0.023	80.173	-0.027	80.194	-0.035	80.210	-0.031
80.234	-0.023	80.266	-0.019	80.299	-0.014	80.325	-0.010
80.344	-0.014	80.368	-0.018	80.394	-0.022	80.418	-0.030
80.448	-0.030	80.476	-0.026	80.519	-0.022	80.553	-0.018
80.594	-0.021	80.636	-0.021	80.684	-0.025	80.705	-0.025
80.737	-0.021	80.769	-0.020	80.791	-0.008	80.815	-0.008
80.842	-0.016	80.868	-0.024	80.895	-0.028	80.916	-0.028
80.943	-0.019	80.973	-0.015	80.995	-0.011	81.021	-0.019
81.048	-0.031	81.069	-0.035	81.082	-0.019	81.108	-0.031
81.137	-0.030	81.155	-0.030	81.172	-0.018	81.193	-0.018
81.222	-0.026	81.245	-0.030	81.264	-0.030	81.281	-0.026
81.303	-0.022	81.316	-0.018	81.336	-0.006	81.352	-0.010
81.368	-0.013	81.383	-0.025	81.401	-0.029	81.421	-0.037
81.440	-0.029	81.460	-0.025	81.478	-0.017	81.499	-0.013
81.518	-0.025	81.548	-0.025	81.569	-0.029	81.585	-0.033
81.602	-0.037	81.619	-0.025	81.640	-0.017	81.662	-0.009
81.682	-0.008	81.703	-0.008	81.726	-0.016	81.744	-0.016
81.762	-0.016	81.783	-0.028	81.803	-0.028	81.827	-0.024
81.849	-0.024	81.863	-0.011	81.884	-0.007	81.897	-0.011
81.919	-0.015	81.942	-0.022	81.956	-0.026	81.976	-0.022
81.992	-0.010	82.010	-0.018	82.034	-0.017	82.057	-0.009
82.075	-0.009	82.088	-0.017	82.109	-0.028	82.130	-0.024
82.155	-0.024	82.181	-0.019	82.208	-0.023	82.236	-0.018

82.274	-0.022	82.300	-0.021	82.333	-0.017	82.368	-0.009
82.397	-0.008	82.418	-0.008	82.444	0.000	82.463	-0.003
82.487	-0.011	82.511	-0.019	82.528	-0.003	82.553	0.010
82.574	0.018	82.588	0.002	82.605	-0.014	82.626	-0.002
82.655	0.002	82.719	0.003	82.766	0.003	82.807	0.003
82.849	0.003	82.886	0.003	82.915	-0.006	82.940	0.006
82.970	0.010	82.990	0.002	83.013	-0.010	83.039	-0.002
83.067	0.013	83.082	0.016	83.107	-0.009	83.127	-0.014
83.153	-0.007	83.179	-0.000	83.225	-0.003	83.252	-0.011
83.277	-0.015	83.307	-0.007	83.344	-0.010	83.387	-0.005
83.412	-0.008	83.436	-0.004	83.471	0.001	83.491	-0.008
83.513	-0.020	83.534	-0.004	83.566	-0.000	83.586	-0.000
83.611	-0.008	83.665	-0.009	83.726	-0.009	83.757	-0.005
83.807	-0.009	83.887	-0.000	83.927	0.004	83.951	0.008
83.981	-0.000	84.010	-0.008	84.028	-0.004	84.057	-0.000
84.074	0.004	84.087	-0.004	84.101	-0.008	84.120	-0.016
84.141	-0.024	84.158	-0.016	84.169	0.000	84.181	-0.003
84.195	-0.003	84.208	-0.002	84.221	-0.014	84.237	-0.013
84.252	-0.013	84.270	-0.012	84.288	-0.012	84.308	-0.011
84.324	0.001	84.342	0.005	84.358	-0.002	84.371	-0.002
84.380	-0.006	84.394	-0.013	84.407	-0.017	84.428	-0.009
84.443	-0.009	84.458	-0.005	84.469	-0.001	84.483	-0.005
84.498	-0.017	84.515	-0.017	84.523	-0.021	84.533	-0.009
84.547	-0.001	84.564	0.007	84.577	0.011	84.590	0.003
84.603	-0.005	84.622	-0.017	84.647	-0.009	84.663	0.003
84.680	0.011	84.699	0.011	84.718	0.011	84.739	0.011
84.756	0.011	84.775	0.007	84.792	0.003	84.805	-0.013
84.820	-0.013	84.841	0.003	84.858	-0.001	84.873	0.011
84.888	-0.001	84.908	-0.001	84.940	-0.001	84.960	-0.001
84.983	-0.001	84.986	-0.001	84.994	-0.001	85.002	-0.001
85.014	-0.001	85.025	-0.005	85.037	-0.005	85.055	-0.005
85.066	-0.000	85.079	-0.000	85.092	0.000	85.109	0.000
85.126	0.001	85.148	0.001	85.154	0.005	85.163	0.005
85.172	0.006	85.184	0.002	85.200	0.003	85.219	0.003
85.236	0.004	85.251	0.008	85.264	0.021	85.284	0.017
85.302	0.013	85.316	0.014	85.332	0.010	85.353	0.002
85.373	0.003	85.403	0.015	85.413	0.015	85.434	0.015
85.459	0.015	85.478	0.015	85.503	0.015	85.526	0.015
85.547	0.023	85.579	0.019	85.596	0.023	85.607	0.019
85.634	0.019	85.644	0.019	85.688	0.023	85.702	0.030
85.720	0.018	85.739	0.017	85.759	0.020	85.778	0.018
85.790	0.005	85.799	0.004	85.814	0.006	85.832	0.013
85.847	0.020	85.866	0.019	85.883	0.014	85.903	0.013
85.918	0.013	85.935	0.010	85.956	0.010	85.987	0.011
86.003	0.019	86.016	0.011	86.041	0.011	86.063	0.011
86.075	0.011	86.098	0.011	86.127	0.011	86.151	0.019
86.174	0.015	86.212	0.015	86.225	0.015	86.242	0.011
86.260	0.011	86.278	0.011	86.297	0.010	86.312	0.002
86.338	0.001	86.359	0.001	86.378	0.004	86.394	0.008
86.416	0.007	86.437	0.007	86.457	0.003	86.483	0.003
86.487	-0.001	86.497	-0.001	86.509	-0.001	86.521	0.003
86.533	0.011	86.543	0.007	86.552	0.003	86.565	-0.001
86.576	0.003	86.587	-0.005	86.604	-0.005	86.617	-0.001
86.630	0.011	86.643	0.011	86.656	0.003	86.666	0.007
86.677	0.012	86.690	0.008	86.709	0.005	86.722	0.005
86.735	0.005	86.748	0.002	86.762	0.002	86.781	0.003

86.785	0.003	86.797	0.007	86.811	0.007	86.824	0.006
86.838	0.006	86.849	0.005	86.857	0.001	86.866	0.001
86.883	0.004	86.897	0.008	86.911	0.007	86.912	0.007
86.924	0.007	86.936	0.007	86.943	0.010	86.951	0.010
86.960	0.010	86.969	0.009	86.979	0.009	86.989	0.008
86.999	0.012	87.008	0.013	87.021	0.013	87.031	0.013
87.045	0.013	87.056	0.017	87.067	0.021	87.078	0.029
87.098	0.018	87.113	0.018	87.133	0.014	87.147	0.010
87.165	0.006	87.181	0.010	87.200	0.011	87.219	0.011
87.244	0.012	87.271	0.009	87.290	0.001	87.314	-0.002
87.338	-0.002	87.362	0.003	87.384	0.003	87.407	0.003
87.431	0.003	87.457	-0.001	87.484	-0.001	87.502	0.003
87.515	0.003	87.528	0.011	87.542	0.011	87.555	0.011
87.565	0.011	87.576	0.015	87.592	0.011	87.604	0.011
87.620	0.011	87.634	0.011	87.653	0.011	87.670	0.011
87.688	0.011	87.708	0.011	87.720	0.011	87.735	0.011
87.746	0.011	87.760	0.011	87.773	0.011	87.786	0.011
87.807	0.011	87.821	0.012	87.838	0.008	87.854	0.004
87.865	0.004	87.882	0.009	87.894	0.009	87.912	0.009
87.935	0.010	87.949	0.010	87.964	0.022	87.981	0.022
87.998	0.022	88.012	0.014	88.025	0.010	88.041	0.010
88.057	0.010	88.070	0.018	88.086	0.018	88.103	0.014
88.120	0.015	88.142	0.015	88.162	0.016	88.177	0.021
88.193	0.018	88.207	0.014	88.222	0.007	88.242	0.008
88.261	0.016	88.282	0.017	88.298	0.017	88.311	0.014
88.331	0.018	88.349	0.019	88.367	0.015	88.385	0.015
88.398	0.015	88.411	0.011	88.414	0.011	88.425	0.019
88.435	0.023	88.450	0.023	88.464	0.019	88.477	0.011
88.488	0.003	88.503	0.003	88.517	0.003	88.530	0.011
88.540	0.007	88.557	0.007	88.574	0.007	88.590	0.007
88.610	0.007	88.632	0.007	88.653	0.007	88.674	0.007
88.702	0.007	88.720	0.011	88.743	0.011	88.758	-0.001
88.777	-0.001	88.797	-0.001	88.821	-0.001	88.836	-0.001
88.849	0.007	88.863	0.007	88.880	0.007	88.897	0.007
88.908	0.007	88.923	0.007	88.933	0.007	88.949	-0.005
88.961	-0.005	88.979	-0.009	89.000	-0.005	89.015	0.003
89.030	0.015	89.045	0.023	89.060	0.007	89.073	-0.005
89.084	-0.013	89.099	-0.005	89.110	0.023	89.123	0.043
89.138	0.051	89.150	0.046	89.165	0.010	89.181	-0.018
89.196	-0.031	89.213	-0.023	89.228	-0.012	89.244	-0.012
89.260	0.003	89.275	0.022	89.291	0.042	89.306	0.017
89.323	0.008	89.341	-0.005	89.360	-0.017	89.378	-0.001
89.396	0.019	89.413	0.022	89.433	-0.002	89.451	-0.038
89.468	-0.034	89.483	-0.010	89.503	0.023	89.525	0.011
89.550	-0.012	89.575	-0.004	89.601	0.016	89.623	0.015
89.649	0.007	89.673	0.010	89.691	-0.015	89.712	-0.029
89.731	-0.013	89.753	0.014	89.778	0.002	89.797	-0.006
89.816	-0.006	89.837	-0.006	89.856	-0.001	89.875	-0.005
89.897	-0.013	89.914	-0.012	89.938	0.001	89.964	-0.002
89.987	-0.009	90.007	-0.007	90.026	0.002	90.049	0.010
90.078	0.015	90.096	0.015	90.115	0.019	90.134	0.007
90.153	-0.005	90.173	-0.013	90.191	-0.001	90.217	0.003
90.235	0.007	90.255	0.019	90.272	0.023	90.299	0.019
90.317	0.015	90.334	0.007	90.354	-0.009	90.373	-0.005
90.397	-0.005	90.420	-0.001	90.442	0.015	90.468	0.011
90.488	0.003	90.514	-0.009	90.525	-0.009	90.545	0.011

90.566	0.011	90.582	0.007	90.601	0.003	90.617	-0.009
90.635	-0.009	90.659	0.011	90.681	0.015	90.699	0.015
90.719	0.011	90.740	0.003	90.760	-0.005	90.778	-0.005
90.800	-0.005	90.819	-0.001	90.838	0.011	90.859	0.007
90.879	0.007	90.896	0.007	90.910	0.011	90.932	0.010
90.948	-0.002	90.968	-0.006	90.988	0.000	91.004	-0.001
91.018	-0.002	91.038	0.009	91.058	-0.001	91.074	-0.006
91.086	-0.006	91.100	-0.003	91.113	0.000	91.129	0.004
91.149	0.008	91.166	0.004	91.188	0.001	91.206	0.001
91.224	0.002	91.246	-0.012	91.266	-0.019	91.284	-0.014
91.300	-0.002	91.319	0.006	91.339	0.015	91.362	0.015
91.383	0.007	91.400	0.003	91.419	-0.001	91.442	-0.005
91.460	-0.012	91.477	0.004	91.497	0.009	91.515	0.009
91.533	0.014	91.550	0.014	91.566	0.010	91.587	0.007
91.609	0.003	91.630	-0.005	91.651	0.003	91.670	0.003
91.688	0.003	91.710	0.003	91.725	0.003	91.745	0.003
91.761	0.003	91.775	0.003	91.795	0.003	91.810	0.003
91.818	0.003	91.834	0.003	91.848	-0.005	91.866	0.003
91.882	0.015	91.893	0.015	91.904	0.011	91.921	0.007
91.936	-0.001	91.948	0.003	91.964	0.007	91.975	0.007
91.991	0.007	92.008	0.003	92.019	0.003	92.040	0.015
92.057	0.019	92.071	0.027	92.088	0.011	92.104	0.003
92.125	0.011	92.142	0.003	92.161	-0.001	92.184	-0.001
92.198	0.019	92.218	0.015	92.239	0.007	92.257	-0.005
92.273	0.003	92.289	0.011	92.309	0.015	92.332	0.003
92.351	0.007	92.376	0.019	92.402	-0.001	92.417	-0.001
92.438	-0.005	92.457	0.003	92.475	0.015	92.495	0.011
92.515	-0.005	92.539	-0.001	92.558	0.007	92.581	0.011
92.597	0.007	92.612	0.003	92.625	0.003	92.638	0.003
92.651	0.007	92.668	0.007	92.685	0.012	92.701	0.012
92.719	0.008	92.730	0.008	92.747	0.008	92.765	0.009
92.778	0.009	92.792	0.009	92.807	0.009	92.823	0.009
92.839	0.004	92.852	0.004	92.873	0.016	92.894	0.015
92.909	0.014	92.920	0.014	92.937	0.013	92.950	0.008
92.964	0.007	92.982	0.006	92.995	0.005	93.007	0.004
93.027	-0.001	93.047	0.002	93.062	0.006	93.075	0.005
93.093	0.021	93.110	0.009	93.122	0.008	93.134	-0.004
93.145	-0.012	93.160	-0.007	93.175	0.001	93.193	0.005
93.210	0.010	93.227	0.010	93.245	0.007	93.262	0.007
93.278	0.003	93.291	0.004	93.301	0.000	93.318	0.005
93.338	0.009	93.358	0.006	93.373	0.002	93.390	0.009
93.402	0.009	93.427	0.016	93.445	0.022	93.462	0.012
93.478	0.002	93.494	0.002	93.509	0.005	93.529	-0.004
93.546	0.003	93.565	0.007	93.580	0.006	93.597	0.014
93.617	0.013	93.632	0.005	93.645	0.009	93.663	-0.005
93.686	-0.010	93.703	-0.012	93.722	-0.009	93.731	-0.002
93.744	-0.002	93.763	-0.004	93.784	-0.004	93.811	0.008
93.831	-0.004	93.848	-0.008	93.866	-0.007	93.884	-0.007
93.898	-0.006	93.918	-0.006	93.934	-0.005	93.950	-0.001
93.964	-0.001	93.981	-0.001	93.999	-0.001	94.018	-0.001
94.033	-0.006	94.058	0.001	94.088	-0.004	94.111	-0.008
94.124	-0.007	94.147	-0.007	94.171	-0.007	94.199	-0.023
94.221	-0.019	94.244	-0.019	94.268	-0.011	94.295	-0.003
94.320	0.001	94.338	-0.007	94.356	-0.019	94.376	-0.022
94.398	-0.018	94.417	-0.018	94.430	-0.006	94.453	-0.014
94.470	-0.005	94.485	-0.005	94.500	-0.005	94.520	-0.009

94.542	0.007	94.562	-0.005	94.582	-0.005	94.604	0.003
94.626	0.003	94.643	0.003	94.664	0.003	94.688	0.003
94.705	0.003	94.722	0.003	94.738	0.003	94.756	0.003
94.775	0.003	94.798	0.007	94.818	0.011	94.840	-0.009
94.864	0.003	94.887	-0.001	94.907	-0.001	94.928	-0.001
94.951	-0.001	94.969	-0.001	94.987	-0.001	95.010	-0.001
95.028	-0.001	95.055	0.003	95.079	-0.001	95.107	0.003
95.134	-0.001	95.155	0.007	95.178	0.007	95.194	0.007
95.220	-0.001	95.247	0.003	95.272	0.003	95.304	0.003
95.336	-0.001	95.360	-0.001	95.388	-0.001	95.417	-0.001
95.445	0.003	95.476	0.003	95.501	-0.005	95.519	-0.017
95.541	-0.001	95.566	-0.001	95.590	-0.001	95.614	-0.005
95.641	0.007	95.666	0.003	95.689	0.007	95.716	0.007
95.736	0.007	95.761	0.011	95.791	0.015	95.814	-0.001
95.843	-0.013	95.872	-0.001	95.895	-0.001	95.913	-0.001
95.933	-0.001	95.958	-0.005	95.979	0.003	96.005	0.011
96.034	-0.005	96.056	-0.009	96.074	-0.009	96.097	-0.009
96.112	-0.009	96.132	-0.009	96.155	-0.009	96.181	-0.005
96.202	-0.005	96.226	-0.005	96.251	0.003	96.275	0.003
96.297	0.003	96.317	0.003	96.335	0.003	96.353	0.003
96.380	0.003	96.405	0.003	96.428	0.003	96.452	0.003
96.474	0.003	96.499	0.003	96.526	0.003	96.556	0.003
96.577	0.003	96.599	0.003	96.623	0.003	96.658	0.007
96.685	0.003	96.713	0.003	96.738	0.003	96.765	0.003
96.789	0.003	96.818	0.007	96.850	0.007	96.876	0.006
96.906	0.006	96.935	0.006	96.967	-0.002	96.999	0.002
97.022	-0.003	97.045	-0.011	97.069	0.005	97.095	0.009
97.112	-0.003	97.133	-0.004	97.154	0.004	97.185	0.004
97.207	-0.000	97.222	-0.001	97.245	-0.001	97.266	-0.001
97.295	-0.001	97.326	-0.006	97.353	-0.002	97.376	0.002
97.408	-0.003	97.434	0.001	97.461	0.001	97.484	0.005
97.507	0.004	97.533	-0.008	97.564	0.004	97.591	0.008
97.617	0.004	97.648	-0.000	97.665	-0.001	97.683	-0.001
97.710	-0.001	97.740	-0.001	97.769	-0.001	97.797	-0.001
97.829	-0.001	97.854	-0.001	97.885	-0.001	97.917	-0.001
97.938	-0.001	97.969	-0.002	98.000	-0.002	98.027	-0.002
98.054	-0.003	98.082	-0.003	98.114	-0.004	98.149	-0.004
98.180	-0.005	98.205	-0.006	98.233	-0.003	98.259	-0.003
98.290	-0.004	98.320	-0.005	98.351	-0.006	98.375	-0.002
98.400	-0.002	98.432	0.001	98.459	0.001	98.487	-0.003
98.502	-0.003	98.531	-0.004	98.558	-0.004	98.590	-0.004
98.624	-0.005	98.656	-0.005	98.691	-0.005	98.725	-0.005
98.760	0.003	98.786	0.003	98.802	0.003	98.828	0.003
98.856	0.003	98.887	0.003	98.915	0.003	98.943	0.003
98.966	0.003	98.988	0.003	99.015	0.002	99.039	0.002
99.060	0.002	99.083	0.006	99.107	0.002	99.132	-0.006
99.167	-0.006	99.194	-0.006	99.221	0.002	99.247	0.005
99.271	0.005	99.292	0.009	99.324	0.013	99.350	0.017
99.381	0.013	99.407	0.009	99.437	0.009	99.463	0.005
99.490	0.005	99.511	0.001	99.539	0.005	99.564	0.005
99.587	0.017	99.610	0.013	99.634	0.009	99.658	0.009
99.679	0.008	99.693	0.008	99.709	0.008	99.731	0.004
99.755	0.004	99.774	0.004	99.795	-0.000	99.821	0.004
99.841	0.004	99.861	0.003	99.884	0.003	99.905	0.003
99.931	0.011	99.954	0.010	99.968	0.010	99.987	0.010
100.009	0.010	100.031	0.009	100.053	0.001	100.074	0.005

100.113	0.004	100.140	0.004	100.166	0.003	100.189	0.003
100.210	0.006	100.235	0.014	100.252	0.010	100.270	0.009
100.292	0.009	100.309	0.009	100.330	0.008	100.347	0.008
100.370	0.008	100.391	0.008	100.418	0.008	100.438	0.004
100.464	0.004	100.486	0.003	100.513	-0.001	100.542	-0.001
100.566	-0.001	100.587	0.011	100.614	0.002	100.633	0.002
100.655	0.002	100.683	0.001	100.707	0.005	100.734	0.004
100.764	0.003	100.790	-0.002	100.811	-0.002	100.839	0.005
100.863	0.004	100.886	-0.001	100.905	-0.002	100.925	-0.002
100.949	-0.002	100.967	-0.003	100.993	-0.003	101.016	-0.003
101.040	-0.003	101.054	-0.003	101.079	-0.004	101.080	-0.004
101.100	-0.005	101.117	-0.006	101.131	-0.006	101.151	-0.008
101.174	-0.009	101.193	-0.007				

IG106
71.018 2/9/71 0600 PST C.I.T. SEISMOLOGICAL LAB. DOWN

5130 POINTS 101.206 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.0679 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.044	0.021	-0.196	0.037	-0.032	0.051	0.168	2.337	-0.036	2.356	0.107	2.368	0.039	2.377	-0.001
0.073	0.179	0.084	0.024	0.100	-0.100	0.125	0.059	2.398	0.075	2.412	0.167	2.424	0.059	2.434	-0.057
0.140	-0.076	0.152	-0.176	0.174	0.011	0.191	0.179	2.447	0.070	2.461	0.206	2.484	0.162	2.498	0.022
0.209	0.015	0.222	-0.137	0.241	0.055	0.256	0.207	2.514	-0.078	2.537	0.097	2.556	0.033	2.580	0.181
0.275	0.123	0.290	0.099	0.308	-0.121	0.315	-0.209	2.594	0.001	2.607	-0.187	2.624	-0.028	2.633	0.096
0.325	-0.225	0.343	-0.045	0.351	0.094	0.362	0.150	2.647	0.144	2.665	-0.088	2.688	-0.100	2.708	-0.236
0.372	0.042	0.384	-0.014	0.401	0.082	0.414	0.174	2.736	-0.117	2.745	0.019	2.752	0.127	2.774	0.298
0.430	0.030	0.438	-0.018	0.464	0.069	0.482	0.125	2.790	0.063	2.801	-0.121	2.821	-0.021	2.834	-0.030
0.496	-0.063	0.505	-0.199	0.515	-0.259	0.530	-0.095	2.854	0.286	2.871	0.577	2.881	0.338	2.886	0.086
0.549	0.061	0.566	0.036	0.580	0.148	0.595	0.288	2.893	-0.122	2.901	-0.273	2.914	-0.118	2.925	0.010
0.609	0.168	0.617	0.080	0.633	0.044	0.647	-0.048	2.940	0.094	2.950	-0.074	2.962	-0.206	2.994	-0.034
0.662	-0.164	0.688	-0.029	0.699	0.083	0.713	0.147	3.011	-0.050	3.030	0.117	3.048	0.405	3.063	0.133
0.731	0.082	0.743	0.054	0.765	0.222	0.780	0.058	3.074	0.013	3.087	0.149	3.101	0.237	3.117	0.081
0.793	-0.130	0.809	-0.254	0.825	-0.118	0.840	0.013	3.127	-0.067	3.139	0.133	3.151	0.341	3.166	0.205
0.856	0.085	0.864	0.125	0.881	0.021	0.891	-0.043	3.176	0.193	3.190	0.053	3.205	0.237	3.220	0.460
0.906	0.048	0.919	0.112	0.935	0.124	0.946	0.164	3.233	0.221	3.242	-0.219	3.254	-0.339	3.276	-0.439
0.960	0.139	0.975	-0.008	0.987	-0.120	1.006	-0.140	3.299	-0.259	3.323	-0.439	3.347	-0.312	3.361	-0.032
1.020	0.007	1.030	0.119	1.042	0.107	1.062	0.175	3.376	0.207	3.401	0.207	3.419	0.003	3.442	-0.352
1.078	0.003	1.092	-0.221	1.102	-0.249	1.116	-0.137	3.454	-0.376	3.464	-0.440	3.482	-0.205	3.498	0.107
1.123	-0.041	1.138	0.010	1.159	0.126	1.177	0.098	3.514	-0.033	3.526	-0.050	3.538	-0.114	3.555	0.114
1.191	0.138	1.206	-0.010	1.218	-0.102	1.232	-0.082	3.571	0.297	3.582	0.145	3.592	0.029	3.608	0.273
1.246	-0.118	1.259	-0.106	1.275	-0.126	1.296	-0.010	3.623	0.484	3.636	0.404	3.650	0.204	3.662	0.064
1.314	0.094	1.330	0.074	1.343	0.026	1.358	0.062	3.681	-0.016	3.700	-0.160	3.716	-0.020	3.727	0.103
1.377	-0.097	1.398	-0.013	1.412	-0.053	1.424	-0.097	3.745	-0.125	3.756	-0.225	3.777	-0.069	3.789	0.202
1.443	0.122	1.456	0.314	1.467	0.374	1.477	0.230	3.812	0.565	3.834	0.293	3.843	0.101	3.853	-0.063
1.484	0.054	1.493	-0.050	1.501	0.090	1.510	0.230	3.869	0.209	3.882	0.364	3.897	0.160	3.915	0.064
1.517	0.310	1.530	0.106	1.541	-0.046	1.551	-0.114	3.930	0.180	3.944	0.295	3.959	0.088	3.971	-0.060
1.568	0.034	1.577	0.129	1.589	0.009	1.606	-0.202	3.985	-0.096	4.001	-0.276	4.024	-0.185	4.037	-0.261
1.621	0.013	1.633	0.185	1.641	0.221	1.653	0.133	4.054	-0.233	4.068	-0.437	4.081	-0.608	4.105	-0.269
1.663	-0.027	1.672	-0.103	1.692	-0.011	1.704	-0.043	4.117	-0.054	4.123	0.182	4.137	0.390	4.152	0.102
1.716	0.048	1.726	0.108	1.741	0.011	1.754	-0.065	4.167	-0.226	4.185	-0.022	4.204	0.166	4.218	0.086
1.774	0.002	1.792	-0.130	1.808	-0.247	1.822	-0.055	4.222	-0.054	4.236	-0.182	4.258	-0.034	4.280	-0.106
1.830	0.104	1.836	0.260	1.846	0.355	1.858	0.359	4.300	0.109	4.309	0.305	4.327	0.461	4.346	0.261
1.875	0.278	1.895	0.357	1.910	0.185	1.922	-0.039	4.366	0.065	4.384	0.329	4.398	0.532	4.416	0.376
1.933	-0.211	1.944	-0.311	1.966	-0.088	1.986	-0.149	4.427	0.261	4.438	0.017	4.445	-0.171	4.453	-0.327
2.007	0.079	2.019	0.218	2.039	0.361	2.063	0.380	4.466	-0.391	4.485	-0.331	4.500	-0.215	4.515	-0.176
2.081	0.104	2.095	-0.224	2.113	-0.420	2.140	-0.261	4.531	0.036	4.540	0.227	4.552	0.315	4.563	0.215
2.159	-0.289	2.177	-0.022	2.186	0.150	2.196	0.293	4.574	0.015	4.587	-0.133	4.609	-0.021	4.624	-0.097
2.211	0.061	2.223	-0.059	2.246	0.073	2.266	0.073	4.647	0.058	4.661	-0.114	4.674	-0.218	4.700	-0.034
2.280	-0.059	2.290	-0.163	2.304	-0.032	2.319	0.100	4.717	0.121	4.735	-0.030	4.751	-0.130	4.770	-0.107

4.794	0.137	4.822	-0.027	4.839	-0.107	4.853	-0.111
4.873	0.056	4.885	0.172	4.897	0.208	4.918	0.367
4.933	0.244	4.942	0.032	4.957	-0.124	4.972	0.076
4.985	0.252	4.995	0.124	5.006	0.024	5.027	0.200
5.045	0.096	5.056	-0.124	5.064	-0.272	5.078	-0.363
5.096	-0.176	5.109	-0.120	5.122	0.044	5.135	0.367
5.153	0.607	5.179	0.475	5.191	0.295	5.202	0.016
5.214	-0.176	5.232	0.020	5.248	0.232	5.260	0.343
5.279	0.228	5.291	-0.020	5.303	-0.264	5.312	-0.491
5.327	-0.683	5.341	-0.467	5.351	-0.220	5.367	-0.084
5.381	-0.256	5.396	-0.383	5.408	-0.375	5.431	-0.204
5.445	0.004	5.466	0.351	5.481	0.327	5.498	0.375
5.517	0.204	5.536	0.220	5.551	0.020	5.566	-0.092
5.580	-0.032	5.590	0.172	5.602	0.347	5.624	-0.096
5.639	-0.324	5.655	-0.312	5.670	-0.523	5.680	-0.795
5.693	-0.931	5.706	-0.787	5.719	-0.396	5.731	-0.101
5.740	0.007	5.750	0.055	5.767	0.550	5.779	0.849
5.797	0.525	5.809	0.086	5.824	-0.222	5.838	-0.059
5.852	0.113	5.867	-0.051	5.885	-0.359	5.904	-0.179
5.917	-0.040	5.948	0.243	5.968	0.183	5.985	0.167
6.009	0.086	6.027	-0.142	6.042	0.001	6.055	0.152
6.073	0.088	6.093	0.243	6.102	0.342	6.115	0.306
6.137	0.401	6.153	0.213	6.167	-0.043	6.178	-0.227
6.190	-0.363	6.211	-0.599	6.231	-0.392	6.246	-0.240
6.265	-0.029	6.293	0.170	6.315	0.126	6.338	0.309
6.363	0.361	6.376	0.233	6.387	-0.019	6.395	-0.071
6.412	0.065	6.428	0.169	6.450	0.157	6.467	-0.078
6.479	-0.202	6.498	0.105	6.509	0.373	6.525	0.541
6.545	0.349	6.552	0.238	6.565	0.142	6.574	-0.046
6.588	-0.201	6.617	-0.309	6.645	-0.281	6.664	-0.053
6.683	0.127	6.704	0.083	6.721	0.211	6.734	0.358
6.751	0.159	6.768	0.039	6.791	0.091	6.803	0.087
6.826	0.311	6.843	0.159	6.867	-0.121	6.904	0.007
6.923	-0.109	6.935	-0.181	6.949	-0.037	6.960	0.186
6.969	0.282	6.981	0.126	6.995	0.034	7.008	0.034
7.024	0.226	7.039	0.423	7.059	0.205	7.073	0.054
7.097	0.137	7.105	0.153	7.126	0.077	7.151	0.241
7.174	0.468	7.188	0.248	7.201	0.116	7.232	0.300
7.260	0.124	7.266	0.128	7.288	0.232	7.308	-0.036
7.320	-0.168	7.354	0.075	7.376	-0.113	7.394	-0.256
7.415	-0.157	7.436	-0.253	7.453	-0.097	7.468	-0.001
7.484	0.010	7.496	0.030	7.524	-0.082	7.545	0.074
7.568	0.213	7.595	0.105	7.611	0.129	7.640	0.049
7.668	0.089	7.681	0.073	7.698	-0.063	7.711	-0.219
7.725	-0.251	7.751	-0.108	7.770	-0.184	7.788	0.027
7.805	0.239	7.826	0.075	7.842	0.111	7.867	-0.049
7.880	-0.169	7.906	-0.194	7.927	-0.066	7.947	-0.174
7.962	-0.250	7.987	-0.091	8.002	-0.227	8.013	-0.355
8.031	-0.152	8.042	0.040	8.054	0.163	8.072	-0.005
8.093	-0.141	8.119	0.070	8.139	-0.062	8.150	0.066
8.165	0.213	8.178	0.010	8.195	-0.174	8.213	-0.214
8.245	-0.398	8.262	-0.215	8.272	-0.047	8.301	0.116
8.318	-0.024	8.330	-0.020	8.346	0.108	8.361	0.192
8.382	0.036	8.401	-0.088	8.425	0.120	8.439	0.256
8.467	0.132	8.495	0.088	8.514	0.020	8.539	-0.036
8.561	0.104	8.581	-0.124	8.597	-0.220	8.620	-0.100

8.637	-0.180	8.650	-0.068	8.665	0.072	8.697	-0.027
8.719	0.097	8.750	0.057	8.772	0.073	8.792	-0.126
8.812	-0.282	8.833	-0.114	8.850	0.018	8.870	-0.121
8.885	-0.213	8.903	-0.053	8.918	0.083	8.938	-0.100
8.948	-0.208	8.968	-0.131	8.988	-0.255	9.014	-0.090
9.038	0.118	9.062	0.010	9.083	0.055	9.098	0.011
9.107	-0.048	9.121	-0.008	9.138	0.092	9.155	-0.003
9.165	-0.091	9.179	-0.063	9.201	0.041	9.223	-0.071
9.254	0.145	9.284	0.022	9.310	0.190	9.329	0.114
9.357	-0.066	9.389	0.063	9.413	0.011	9.433	0.154
9.457	0.222	9.476	0.157	9.500	0.305	9.517	0.176
9.530	0.064	9.552	-0.032	9.569	0.059	9.582	0.151
9.598	0.015	9.609	-0.097	9.634	0.114	9.659	0.041
9.678	0.065	9.701	-0.108	9.730	-0.245	9.753	-0.089
9.771	0.086	9.788	0.133	9.802	0.109	9.824	0.176
9.845	0.076	9.865	0.127	9.884	-0.025	9.899	-0.108
9.911	-0.097	9.945	0.067	9.967	-0.033	9.992	-0.137
10.022	-0.037	10.040	-0.057	10.066	0.063	10.094	0.155
10.124	0.156	10.153	0.156	10.178	-0.008	10.206	-0.112
10.227	-0.028	10.250	0.040	10.266	0.001	10.294	0.220
10.323	-0.027	10.340	0.145	10.359	0.301	10.369	0.297
10.391	0.257	10.407	0.221	10.435	0.062	10.461	0.214
10.484	0.067	10.506	0.071	10.524	-0.037	10.548	-0.132
10.563	-0.076	10.577	0.072	10.596	0.232	10.620	0.196
10.630	0.176	10.640	0.068	10.644	-0.024	10.649	-0.083
10.660	-0.119	10.672	-0.019	10.690	0.109	10.707	0.065
10.715	0.037	10.740	0.153	10.757	0.041	10.771	-0.030
10.780	0.022	10.798	0.086	10.814	0.002	10.821	-0.026
10.839	0.062	10.855	0.134	10.879	0.018	10.898	-0.093
10.920	0.035	10.933	0.135	10.944	0.163	10.965	0.043
10.976	-0.057	10.995	-0.057	11.010	-0.057	11.036	0.131
11.065	0.295	11.086	0.167	11.118	0.043	11.138	0.020
11.149	0.004	11.173	0.056	11.220	0.024	11.230	0.012
11.250	-0.076	11.279	0.036	11.300	0.024	11.330	0.132
11.346	0.048	11.361	-0.024	11.387	0.040	11.417	-0.052
11.442	0.032	11.462	-0.016	11.481	-0.072	11.502	-0.028
11.524	0.028	11.546	-0.076	11.564	-0.076	11.586	-0.228
11.603	-0.304	11.622	-0.180	11.637	-0.060	11.652	-0.024
11.673	-0.052	11.695	-0.008	11.716	-0.032	11.742	0.052
11.761	-0.036	11.774	-0.152	11.796	-0.152	11.820	-0.228
11.836	-0.220	11.852	-0.200	11.878	-0.104	11.897	-0.140
11.915	-0.084	11.929	-0.056	11.954	-0.152	11.975	-0.084
11.990	0.028	12.007	0.152	12.033	0.044	12.062	0.092
12.077	-0.016	12.086	-0.076	12.104	0.084	12.122	0.208
12.138	0.132	12.152	0.072	12.168	0.088	12.198	0.008
12.227	0.156	12.243	0.048	12.258	-0.052	12.285	0.016
12.312	0.132	12.334	0.040	12.350	0.020	12.374	-0.024
12.392	0.048	12.412	0.144	12.438	0.100	12.458	-0.052
12.484	-0.180	12.508	-0.008	12.529	0.140	12.548	0.048
12.561	-0.012	12.582	0.004	12.597	-0.008	12.631	0.060
12.651	0.020	12.675	0.048	12.707	0.176	12.730	0.132
12.759	0.112	12.783	0.156	12.812	0.052	12.836	-0.048
12.851	-0.108	12.880	-0.036	12.911	0.028	12.933	0.068
12.954	0.072	12.969	0.092	13.001	-0.016	13.023	0.012
13.045	-0.060	13.059	-0.052	13.074	-0.076	13.096	-0.059
13.110	0.028	13.126	0.104	13.151	0.037	13.168	-0.039

13.198	0.057	13.224	0.133	13.249	0.009	13.269	0.053
13.288	-0.059	13.303	-0.155	13.332	-0.051	13.349	-0.067
13.375	0.029	13.399	0.037	13.416	0.093	13.441	0.021
13.465	0.037	13.494	0.057	13.509	0.061	13.539	0.164
13.564	0.088	13.576	0.048	13.604	0.108	13.637	0.040
13.656	0.127	13.669	0.203	13.693	0.119	13.723	-0.029
13.755	-0.053	13.786	0.039	13.815	0.027	13.841	-0.093
13.864	-0.029	13.887	-0.021	13.911	0.035	13.937	-0.025
13.966	-0.013	13.981	-0.089	13.999	-0.145	14.029	-0.037
14.061	0.083	14.081	0.023	14.104	-0.029	14.119	0.015
14.147	0.123	14.178	-0.060	14.204	0.008	14.235	-0.052
14.258	-0.000	14.283	0.088	14.309	0.052	14.336	0.059
14.367	-0.005	14.394	0.035	14.418	0.027	14.439	0.063
14.467	-0.005	14.494	-0.037	14.509	-0.037	14.538	0.030
14.576	0.030	14.605	-0.078	14.627	0.002	14.654	0.137
14.682	0.069	14.696	0.025	14.706	0.025	14.734	-0.059
14.763	0.009	14.788	-0.047	14.810	0.017	14.839	0.037
14.879	-0.043	14.905	0.041	14.925	0.081	14.945	0.049
14.973	0.101	14.993	0.109	15.010	0.101	15.039	0.165
15.064	0.065	15.083	0.105	15.103	0.085	15.129	0.129
15.157	0.074	15.176	0.022	15.198	0.022	15.219	0.046
15.237	0.094	15.265	0.018	15.288	0.050	15.322	0.002
15.346	0.050	15.372	-0.002	15.395	-0.046	15.415	0.022
15.437	0.082	15.456	0.006	15.471	-0.018	15.500	0.074
15.514	0.026	15.529	-0.010	15.549	0.042	15.566	0.082
15.592	-0.006	15.622	0.122	15.642	0.042	15.651	0.006
15.685	0.042	15.711	-0.094	15.740	-0.022	15.766	-0.078
15.782	-0.030	15.799	0.026	15.815	0.010	15.833	0.011
15.854	-0.017	15.876	0.003	15.898	-0.049	15.920	-0.005
15.941	0.019	15.964	0.016	15.993	0.036	16.020	-0.036
16.039	-0.075	16.064	-0.023	16.091	-0.015	16.108	-0.011
16.118	-0.006	16.141	-0.034	16.161	0.018	16.180	0.074
16.202	-0.001	16.211	-0.017	16.241	0.035	16.263	0.007
16.284	0.008	16.314	0.072	16.326	0.060	16.343	0.033
16.364	0.045	16.384	-0.023	16.397	-0.074	16.413	-0.062
16.429	-0.026	16.451	-0.062	16.470	-0.021	16.489	0.031
16.510	-0.001	16.538	0.091	16.561	0.008	16.573	-0.036
16.589	0.024	16.606	0.084	16.624	0.065	16.646	0.077
16.674	-0.034	16.697	-0.082	16.714	-0.074	16.736	0.018
16.760	0.066	16.777	0.054	16.810	0.027	16.839	0.035
16.868	-0.065	16.892	0.019	16.912	0.079	16.932	0.076
16.954	0.124	16.981	0.032	17.009	-0.048	17.033	-0.108
17.055	-0.004	17.070	0.080	17.094	0.000	17.117	0.060
17.147	-0.043	17.176	0.029	17.204	0.009	17.232	-0.071
17.248	-0.003	17.265	0.041	17.277	0.037	17.303	0.065
17.337	0.061	17.365	0.001	17.394	0.037	17.410	-0.011
17.426	-0.063	17.452	-0.019	17.468	-0.051	17.504	0.036
17.530	0.104	17.561	0.087	17.576	0.119	17.597	0.115
17.625	-0.057	17.643	-0.121	17.669	0.002	17.686	0.098
17.717	0.062	17.742	0.109	17.770	0.021	17.791	0.049
17.818	-0.019	17.849	0.052	17.873	0.076	17.901	0.120
17.927	0.088	17.951	0.040	17.973	0.008	17.999	-0.012
18.025	-0.040	18.056	0.072	18.083	0.076	18.097	0.072
18.124	0.004	18.158	0.036	18.198	-0.020	18.222	-0.004
18.240	-0.004	18.265	-0.012	18.291	0.032	18.312	0.027
18.333	0.027	18.348	0.027	18.379	-0.013	18.396	-0.025

18.423	0.023	18.446	0.035	18.472	0.035	18.509	0.070
18.535	0.038	18.553	0.022	18.573	0.050	18.598	-0.038
18.630	0.057	18.660	0.005	18.685	0.045	18.708	0.017
18.740	0.045	18.763	0.060	18.796	0.064	18.814	0.016
18.828	-0.012	18.852	0.008	18.877	0.064	18.901	0.048
18.926	0.052	18.942	0.060	18.971	-0.004	19.006	0.071
19.027	0.043	19.048	0.011	19.068	-0.013	19.093	0.027
19.116	0.039	19.136	0.043	19.160	-0.009	19.181	-0.045
19.212	0.031	19.233	0.015	19.258	0.046	19.279	0.026
19.297	0.022	19.313	0.022	19.330	0.026	19.349	-0.002
19.371	-0.046	19.393	0.017	19.413	-0.027	19.423	-0.047
19.453	-0.015	19.485	-0.055	19.503	-0.007	19.520	0.049
19.544	0.008	19.566	0.004	19.598	-0.004	19.623	-0.044
19.641	0.012	19.656	0.052	19.670	0.012	19.689	-0.024
19.713	0.012	19.750	0.060	19.776	0.020	19.813	-0.040
19.827	-0.036	19.857	0.015	19.884	0.019	19.911	0.043
19.932	0.079	19.952	0.007	19.968	-0.025	20.000	0.015
20.021	0.011	20.034	0.007	20.058	0.026	20.084	0.014
20.103	-0.014	20.115	0.002	20.131	0.034	20.158	-0.022
20.178	-0.022	20.201	-0.022	20.226	0.033	20.244	0.017
20.269	0.045	20.304	-0.003	20.334	0.013	20.358	0.017
20.383	0.069	20.416	0.005	20.452	0.052	20.481	0.024
20.500	0.056	20.520	0.084	20.529	0.072	20.560	0.012
20.580	0.012	20.597	0.012	20.619	0.012	20.635	0.004
20.663	0.048	20.691	0.012	20.725	0.100	20.745	0.056
20.768	0.016	20.795	0.037	20.828	0.045	20.856	0.021
20.875	0.037	20.894	0.013	20.914	0.005	20.928	0.026
20.937	0.038	20.947	0.038	20.954	0.030	20.963	0.030
20.973	0.030	20.994	0.062	21.009	0.042	21.024	0.011
21.035	-0.013	21.055	-0.001	21.069	0.003	21.091	0.020
21.104	0.024	21.120	-0.004	21.138	-0.044	21.154	-0.067
21.168	-0.043	21.193	0.017	21.210	0.021	21.228	0.026
21.244	0.046	21.267	0.010	21.291	-0.029	21.312	-0.061
21.337	-0.025	21.351	-0.013	21.373	-0.029	21.402	0.007
21.427	0.004	21.446	0.032	21.460	0.064	21.481	0.024
21.494	-0.000	21.520	0.016	21.536	0.016	21.562	0.024
21.586	-0.000	21.614	-0.012	21.635	-0.000	21.658	0.032
21.685	0.016	21.708	0.048	21.733	0.020	21.740	0.016
21.757	0.020	21.779	-0.008	21.800	-0.024	21.826	-0.032
21.846	-0.008	21.864	0.028	21.890	0.052	21.911	0.052
21.935	0.020	21.968	-0.044	21.986	-0.000	22.019	0.063
22.041	0.067	22.064	0.015	22.080	-0.013	22.099	-0.002
22.125	0.070	22.143	0.094	22.164	0.034	22.175	-0.003
22.204	0.009	22.216	-0.003	22.236	0.016	22.259	0.031
22.279	0.047	22.292	0.050	22.311	0.034	22.328	0.017
22.343	0.013	22.363	0.012	22.387	0.027	22.407	0.026
22.435	0.013	22.455	-0.011	22.486	0.020	22.503	-0.001
22.525	-0.013	22.546	-0.022	22.569	-0.014	22.592	0.021
22.612	0.052	22.632	0.012	22.653	-0.009	22.673	-0.006
22.685	-0.006	22.707	-0.030	22.737	0.034	22.755	0.001
22.771	-0.015	22.798	0.013	22.821	0.005	22.852	0.045
22.881	-0.024	22.904	-0.056	22.927	-0.020	22.955	-0.000
22.990	0.056	23.011	0.012	23.026	-0.008	23.045	-0.000
23.065	-0.000	23.094	0.016	23.111	0.008	23.142	-0.008
23.174	0.012	23.192	0.028	23.219	0.028	23.246	0.048
23.274	0.044	23.298	-0.000	23.318	0.008	23.336	0.008

23.359	0.016	23.385	0.040	23.413	-0.020	23.432	0.028
23.450	0.076	23.479	0.036	23.504	0.032	23.525	0.020
23.547	0.024	23.570	0.008	23.595	0.024	23.619	0.040
23.649	0.068	23.668	0.048	23.690	0.040	23.709	0.032
23.725	0.032	23.745	-0.012	23.770	-0.032	23.784	-0.044
23.804	-0.016	23.826	0.016	23.863	-0.019	23.891	-0.011
23.920	0.005	23.939	0.025	23.970	-0.015	23.987	0.001
24.014	0.021	24.044	0.042	24.067	0.038	24.091	0.030
24.113	0.018	24.139	-0.013	24.180	0.011	24.195	0.039
24.224	0.015	24.239	0.003	24.276	0.023	24.305	-0.017
24.334	0.008	24.363	0.016	24.387	0.004	24.411	-0.012
24.436	-0.028	24.471	0.052	24.491	0.004	24.514	-0.024
24.551	0.004	24.573	-0.000	24.601	-0.004	24.618	0.012
24.640	0.028	24.658	0.012	24.679	0.036	24.715	-0.004
24.742	0.012	24.769	-0.000	24.792	-0.000	24.809	-0.000
24.843	0.020	24.865	0.012	24.889	0.024	24.908	0.016
24.926	0.016	24.948	-0.016	24.974	-0.024	24.990	-0.036
25.016	-0.016	25.042	-0.004	25.070	-0.000	25.099	-0.008
25.131	0.020	25.152	0.012	25.185	0.032	25.212	-0.004
25.236	-0.024	25.263	-0.008	25.279	-0.012	25.316	0.024
25.336	0.016	25.361	0.004	25.382	-0.000	25.412	0.016
25.439	0.044	25.459	0.024	25.492	0.004	25.516	0.004
25.533	0.012	25.563	0.040	25.587	0.020	25.608	0.008
25.637	0.024	25.669	0.036	25.695	0.024	25.734	-0.000
25.759	0.016	25.792	0.028	25.817	0.020	25.858	-0.000
25.888	0.012	25.909	0.012	25.930	0.012	25.958	0.028
25.991	0.024	26.022	0.031	26.049	0.011	26.082	0.019
26.115	-0.017	26.145	0.019	26.183	0.051	26.212	0.042
26.241	0.014	26.266	0.022	26.302	0.002	26.315	0.006
26.342	0.009	26.371	0.029	26.396	0.041	26.424	0.049
26.450	0.029	26.474	0.017	26.496	0.021	26.525	0.020
26.549	0.020	26.572	0.020	26.593	0.024	26.627	0.060
26.658	0.020	26.687	0.020	26.711	0.024	26.727	0.023
26.762	0.011	26.787	0.039	26.807	0.015	26.821	0.015
26.857	0.058	26.884	0.030	26.909	0.014	26.938	0.014
26.971	0.033	26.991	0.025	27.011	0.005	27.029	0.004
27.060	0.028	27.081	0.019	27.101	0.027	27.124	0.039
27.150	0.022	27.168	0.022	27.191	0.010	27.208	0.002
27.228	-0.003	27.249	0.013	27.272	0.013	27.297	0.001
27.325	0.009	27.345	0.008	27.364	0.008	27.393	0.036
27.416	0.024	27.434	0.024	27.458	0.008	27.480	0.004
27.499	0.004	27.521	-0.008	27.543	-0.004	27.567	-0.016
27.591	0.004	27.605	-0.012	27.633	0.016	27.654	0.020
27.673	0.004	27.694	-0.008	27.712	-0.008	27.738	-0.008
27.754	-0.008	27.768	-0.008	27.782	-0.008	27.800	-0.004
27.817	0.004	27.838	0.016	27.859	0.024	27.874	0.020
27.890	0.020	27.908	0.012	27.932	0.004	27.951	-0.000
27.975	-0.016	27.997	-0.012	28.012	-0.012	28.045	0.036
28.069	0.020	28.094	0.004	28.123	-0.024	28.142	-0.028
28.161	-0.028	28.190	0.024	28.220	-0.020	28.242	-0.000
28.262	-0.024	28.295	0.020	28.315	0.004	28.336	0.008
28.344	0.008	28.377	0.032	28.397	0.020	28.414	0.004
28.447	0.032	28.466	0.020	28.487	0.016	28.510	-0.000
28.532	0.032	28.545	0.024	28.565	0.008	28.587	0.024
28.614	0.008	28.636	0.020	28.651	0.016	28.666	-0.004
28.691	0.016	28.719	0.036	28.751	0.007	28.772	0.019

28.796	0.003	28.824	0.058	28.841	0.042	28.869	0.038
28.890	-0.026	28.911	0.013	28.934	0.013	28.955	0.016
28.975	0.016	28.990	-0.005	29.010	-0.037	29.025	-0.041
29.052	0.010	29.074	0.053	29.096	0.037	29.134	-0.008
29.148	0.012	29.173	0.007	29.197	0.003	29.213	-0.010
29.232	0.026	29.252	0.058	29.278	-0.002	29.292	-0.027
29.321	0.029	29.342	0.021	29.365	0.016	29.387	0.020
29.414	-0.024	29.434	0.020	29.446	0.040	29.472	-0.000
29.496	-0.012	29.515	-0.008	29.531	0.008	29.553	0.008
29.583	0.080	29.610	0.040	29.635	0.012	29.658	0.012
29.687	0.032	29.701	0.020	29.720	0.012	29.743	0.012
29.769	-0.004	29.789	0.004	29.815	0.016	29.847	-0.008
29.865	-0.000	29.881	0.016	29.900	0.012	29.917	0.008
29.939	0.028	29.965	0.044	29.990	-0.000	30.025	-0.004
30.047	0.040	30.070	0.004	30.092	0.024	30.109	0.032
30.128	0.048	30.155	0.012	30.181	0.004	30.202	-0.032
30.230	-0.000	30.260	0.028	30.286	-0.012	30.315	0.047
30.334	0.015	30.347	0.003	30.375	0.031	30.400	0.003
30.427	0.051	30.449	0.027	30.468	0.026	30.497	-0.010
30.516	0.014	30.538	-0.006	30.571	0.042	30.597	0.025
30.617	0.037	30.650	0.017	30.676	0.041	30.700	0.017
30.722	0.017	30.750	0.017	30.775	0.056	30.799	0.048
30.821	0.020	30.847	0.008	30.865	0.000	30.890	-0.020
30.905	0.004	30.931	0.024	30.947	0.020	30.962	-0.012
30.991	-0.008	31.016	0.004	31.028	0.008	31.047	-0.012
31.071	0.024	31.088	0.012	31.105	-0.012	31.123	-0.000
31.146	0.016	31.180	-0.016	31.205	0.004	31.224	0.008
31.251	-0.008	31.281	0.035	31.305	0.003	31.330	0.007
31.358	0.015	31.378	0.018	31.400	0.026	31.420	0.006
31.442	0.030	31.460	0.022	31.478	0.055	31.493	0.055
31.516	0.039	31.535	0.020	31.550	0.000	31.561	-0.015
31.570	-0.019	31.584	-0.003	31.594	0.021	31.605	0.038
31.610	0.022	31.624	-0.002	31.630	-0.033	31.639	-0.041
31.652	-0.033	31.673	-0.025	31.685	-0.017	31.698	0.015
31.711	0.055	31.725	0.079	31.737	0.095	31.748	0.083
31.767	0.035	31.781	0.015	31.793	-0.010	31.801	-0.006
31.816	0.006	31.828	0.014	31.840	0.049	31.848	0.061
31.857	0.041	31.870	0.013	31.880	-0.019	31.888	-0.031
31.896	-0.027	31.909	-0.016	31.917	-0.008	31.925	-0.012
31.931	-0.028	31.938	-0.048	31.946	-0.064	31.950	-0.056
31.964	-0.021	31.973	-0.005	31.991	-0.005	31.999	0.002
32.018	0.034	32.031	0.062	32.040	0.081	32.045	0.073
32.054	0.057	32.065	0.033	32.073	0.021	32.082	0.016
32.097	0.028	32.112	0.032	32.120	0.039	32.136	0.071
32.147	0.083	32.161	0.090	32.176	0.082	32.189	0.062
32.202	0.045	32.215	0.025	32.227	-0.003	32.236	-0.036
32.244	-0.040	32.265	-0.032	32.280	-0.045	32.292	-0.037
32.309	-0.014	32.321	0.002	32.338	-0.014	32.361	0.009
32.375	-0.007	32.389	-0.027	32.405	-0.003	32.414	-0.012
32.427	-0.048	32.439	-0.068	32.449	-0.068	32.469	0.012
32.480	0.052	32.492	0.060	32.516	0.064	32.537	0.072
32.555	0.064	32.576	0.060	32.593	0.056	32.608	0.052
32.620	0.032	32.636	-0.012	32.645	-0.024	32.653	-0.008
32.676	0.024	32.686	0.036	32.698	0.024	32.715	0.008
32.727	-0.008	32.738	-0.016	32.751	-0.000	32.772	0.024
32.786	0.032	32.803	0.036	32.818	0.040	32.824	0.020

32.847	-0.024	32.864	-0.048	32.875	-0.064	32.888	-0.048
32.913	0.008	32.930	0.028	32.941	0.028	32.958	0.048
32.969	0.056	32.989	0.008	33.000	-0.024	33.008	-0.020
33.036	0.056	33.047	0.068	33.056	0.068	33.073	0.056
33.088	0.020	33.105	-0.016	33.134	-0.020	33.151	-0.040
33.170	-0.008	33.188	0.012	33.203	0.024	33.222	0.036
33.232	0.032	33.248	0.016	33.273	0.008	33.293	0.004
33.315	0.004	33.332	0.016	33.352	0.008	33.368	0.024
33.387	0.040	33.399	0.044	33.415	0.032	33.431	0.008
33.451	-0.020	33.465	-0.021	33.480	-0.025	33.491	-0.009
33.503	0.019	33.513	0.039	33.523	0.039	33.532	0.027
33.547	-0.001	33.561	-0.014	33.573	-0.002	33.587	0.002
33.602	-0.010	33.613	0.006	33.628	0.037	33.640	0.053
33.645	0.049	33.661	0.036	33.683	0.024	33.698	0.027
33.712	0.031	33.729	0.019	33.738	0.026	33.755	0.050
33.762	0.042	33.783	0.001	33.796	-0.007	33.808	0.004
33.825	0.008	33.843	0.004	33.859	0.015	33.872	0.007
33.886	-0.005	33.897	-0.010	33.913	-0.034	33.925	-0.058
33.938	-0.042	33.961	0.001	33.982	0.029	33.999	0.045
34.014	0.049	34.025	0.033	34.039	-0.003	34.053	-0.015
34.069	0.001	34.107	0.029	34.126	0.037	34.146	0.021
34.168	0.029	34.182	0.005	34.202	-0.002	34.222	0.002
34.239	0.006	34.258	-0.026	34.272	-0.002	34.291	0.018
34.313	0.014	34.330	0.006	34.347	0.013	34.371	0.005
34.390	0.013	34.407	0.005	34.430	0.029	34.448	0.037
34.458	0.021	34.475	0.009	34.494	0.032	34.504	0.028
34.522	0.020	34.538	0.036	34.552	0.020	34.570	-0.004
34.588	-0.004	34.603	0.008	34.619	0.024	34.642	0.016
34.663	0.016	34.687	0.012	34.700	0.012	34.718	0.020
34.735	0.012	34.749	0.020	34.769	0.040	34.783	0.060
34.792	0.052	34.807	0.028	34.821	0.020	34.837	0.028
34.854	0.048	34.871	0.052	34.891	0.052	34.905	0.060
34.915	0.044	34.934	-0.000	34.954	-0.004	34.970	-0.024
34.983	-0.008	35.001	0.004	35.029	0.004	35.043	0.008
35.061	0.012	35.081	-0.000	35.098	0.012	35.110	0.024
35.128	0.048	35.141	0.044	35.159	0.036	35.173	0.040
35.188	0.052	35.196	0.044	35.212	0.028	35.234	0.020
35.257	0.016	35.278	0.016	35.298	0.016	35.309	0.024
35.325	0.028	35.339	0.028	35.353	0.024	35.369	0.008
35.389	-0.020	35.399	-0.028	35.411	-0.020	35.431	0.004
35.443	0.004	35.467	0.008	35.483	0.012	35.503	0.012
35.515	0.004	35.532	-0.004	35.544	-0.004	35.560	-0.000
35.568	0.004	35.583	0.028	35.597	0.036	35.609	0.036
35.626	0.024	35.644	0.020	35.665	0.016	35.680	0.012
35.693	-0.012	35.704	-0.004	35.722	0.016	35.735	0.028
35.748	0.008	35.763	-0.001	35.780	0.015	35.797	0.015
35.818	0.027	35.838	0.019	35.870	0.019	35.889	0.018
35.902	0.026	35.920	0.034	35.942	0.030	35.960	0.010
35.973	0.018	35.989	0.018	36.010	0.017	36.030	0.033
36.042	0.017	36.058	0.004	36.070	0.016	36.090	0.020
36.109	0.023	36.128	0.031	36.144	0.018	36.159	0.010
36.178	0.022	36.200	0.017	36.221	0.021	36.231	0.009
36.247	-0.004	36.270	0.004	36.287	0.012	36.316	0.011
36.335	0.011	36.359	0.042	36.368	0.034	36.388	0.010
36.406	-0.015	36.416	-0.023	36.429	-0.011	36.445	0.008
36.466	0.020	36.480	0.028	36.489	0.024	36.500	0.016

36.513	-0.001	36.528	0.015	36.542	0.019	36.553	0.015
36.566	0.007	36.587	0.019	36.608	0.015	36.621	0.007
36.634	0.014	36.650	0.018	36.668	-0.026	36.678	-0.038
36.696	-0.006	36.719	0.002	36.730	0.022	36.749	0.030
36.759	0.034	36.777	0.018	36.793	0.002	36.801	0.002
36.816	0.022	36.826	0.022	36.845	-0.001	36.862	0.003
36.890	0.011	36.902	-0.017	36.914	-0.001	36.932	0.015
36.944	0.023	36.956	0.003	36.969	-0.021	36.980	-0.005
36.998	0.015	37.009	0.019	37.022	0.011	37.030	0.015
37.044	0.031	37.056	0.035	37.065	0.023	37.080	0.011
37.087	-0.000	37.106	0.016	37.116	0.016	37.128	0.012
37.143	0.004	37.155	0.012	37.176	0.020	37.191	0.028
37.203	0.028	37.221	0.020	37.241	0.016	37.259	0.004
37.274	-0.012	37.285	-0.020	37.296	-0.004	37.316	0.016
37.328	0.028	37.338	0.024	37.352	0.016	37.367	0.028
37.384	0.036	37.397	0.040	37.412	0.024	37.430	0.008
37.458	0.008	37.470	0.004	37.482	-0.004	37.492	0.008
37.513	0.028	37.526	0.024	37.542	0.008	37.556	0.016
37.566	0.012	37.581	0.004	37.598	-0.004	37.609	0.008
37.624	0.016	37.651	0.008	37.668	0.024	37.685	0.036
37.702	0.024	37.717	0.008	37.735	0.012	37.760	0.016
37.784	0.012	37.800	0.012	37.820	0.024	37.833	0.028
37.845	0.016	37.865	0.008	37.887	0.008	37.905	0.004
37.926	0.012	37.945	0.024	37.960	0.020	37.984	0.020
38.008	0.024	38.036	0.024	38.048	0.024	38.063	0.032
38.076	0.032	38.085	0.024	38.100	0.008	38.114	0.004
38.128	0.012	38.146	0.020	38.173	0.020	38.190	0.024
38.203	0.016	38.217	0.008	38.228	0.004	38.240	0.016
38.251	0.016	38.265	0.009	38.279	0.001	38.299	0.021
38.317	0.017	38.344	0.013	38.366	0.013	38.385	0.009
38.407	0.005	38.431	0.001	38.453	0.001	38.468	-0.003
38.486	-0.014	38.499	-0.006	38.514	0.006	38.529	0.018
38.541	0.006	38.555	-0.006	38.567	0.002	38.582	0.014
38.596	0.002	38.613	-0.010	38.630	-0.009	38.647	-0.021
38.661	-0.013	38.675	0.007	38.689	0.019	38.708	0.011
38.726	0.007	38.744	-0.005	38.758	0.003	38.778	0.003
38.795	0.007	38.811	0.019	38.828	0.023	38.842	0.011
38.857	-0.005	38.871	0.007	38.891	0.015	38.915	0.012
38.933	0.016	38.953	0.012	38.979	-0.008	38.996	0.004
39.016	0.020	39.040	0.016	39.065	0.028	39.084	0.020
39.109	0.012	39.126	0.012	39.149	0.028	39.164	0.016
39.181	-0.000	39.209	-0.004	39.216	-0.004	39.236	0.016
39.252	0.020	39.269	0.028	39.285	0.032	39.295	0.032
39.317	0.020	39.330	0.032	39.350	0.040	39.361	0.028
39.380	0.008	39.406	-0.001	39.426	-0.001	39.448	0.019
39.461	0.003	39.479	-0.001	39.498	0.027	39.510	0.023
39.529	0.015	39.552	0.007	39.572	0.007	39.593	0.010
39.614	0.014	39.629	0.018	39.647	0.002	39.668	0.014
39.685	0.018	39.706	0.018	39.717	0.022	39.738	0.021
39.761	0.017	39.778	0.021	39.808	0.021	39.827	0.017
39.853	0.017	39.879	0.021	39.897	0.013	39.924	-0.015
39.937	-0.019	39.959	-0.004	39.985	0.024	40.018	0.020
40.040	0.036	40.058	0.024	40.079	0.004	40.101	-0.000
40.120	0.016	40.139	-0.008	40.159	0.020	40.180	0.032
40.196	-0.000	40.209	-0.004	40.224	0.012	40.235	0.008
40.249	-0.000	40.261	0.008	40.278	0.032	40.292	0.016

40.310	0.004	40.336	0.012	40.357	-0.000	40.375	0.008
40.385	0.004	40.399	-0.020	40.416	-0.000	40.440	0.008
40.471	0.016	40.493	0.024	40.517	0.024	40.533	0.024
40.551	0.032	40.564	0.016	40.585	0.004	40.603	0.012
40.624	0.012	40.648	0.012	40.658	0.004	40.679	-0.004
40.703	0.004	40.728	0.016	40.748	0.024	40.764	0.028
40.780	0.016	40.797	0.008	40.811	0.024	40.827	0.016
40.847	0.004	40.866	0.008	40.885	0.020	40.904	0.023
40.921	0.015	40.935	-0.001	40.948	-0.013	40.965	-0.005
40.986	-0.005	41.002	-0.001	41.021	0.023	41.040	0.031
41.055	0.031	41.075	0.031	41.089	0.027	41.106	0.007
41.121	-0.009	41.134	-0.005	41.151	0.007	41.168	0.007
41.185	0.003	41.205	0.007	41.230	0.007	41.253	0.007
41.273	0.014	41.301	0.018	41.324	0.022	41.336	0.014
41.354	-0.006	41.372	0.014	41.398	0.010	41.409	0.006
41.427	0.026	41.461	0.026	41.479	0.022	41.506	0.022
41.522	0.010	41.539	-0.014	41.563	-0.006	41.586	0.002
41.604	0.006	41.632	0.014	41.647	0.006	41.666	0.002
41.695	-0.014	41.715	-0.022	41.735	-0.006	41.771	-0.010
41.809	-0.006	41.843	-0.006	41.865	-0.026	41.900	0.006
41.935	-0.001	41.981	-0.009	42.014	0.007	42.045	-0.001
42.082	-0.009	42.127	-0.008	42.153	0.004	42.178	-0.004
42.189	-0.012	42.199	-0.016	42.211	-0.011	42.226	0.001
42.235	-0.003	42.246	-0.002	42.253	-0.002	42.259	0.002
42.264	0.010	42.269	0.010	42.278	0.009	42.287	0.005
42.298	0.001	42.307	0.005	42.318	-0.004	42.323	-0.008
42.333	-0.008	42.344	-0.001	42.350	-0.001	42.362	-0.001
42.375	-0.002	42.393	-0.003	42.402	0.001	42.414	0.001
42.423	0.001	42.434	0.000	42.450	-0.008	42.459	-0.012
42.468	-0.016	42.479	-0.017	42.492	-0.013	42.505	0.003
42.517	0.003	42.530	0.003	42.547	0.002	42.562	0.002
42.575	-0.002	42.589	-0.006	42.602	-0.006	42.621	-0.006
42.639	-0.006	42.652	-0.002	42.674	-0.006	42.679	-0.006
42.694	-0.006	42.712	-0.010	42.728	-0.010	42.742	-0.011
42.758	-0.007	42.771	0.005	42.780	0.017	42.787	0.021
42.794	0.029	42.803	0.017	42.812	0.005	42.826	0.005
42.840	0.001	42.854	-0.007	42.869	-0.007	42.878	-0.007
42.890	-0.003	42.905	0.001	42.916	0.001	42.929	0.001
42.942	0.001	42.954	-0.003	42.968	-0.003	42.935	-0.003
43.001	-0.003	43.011	0.008	43.020	0.008	43.033	-0.004
43.047	-0.024	43.066	-0.025	43.067	-0.025	43.077	-0.009
43.098	-0.006	43.121	0.006	43.141	0.005	43.162	0.009
43.181	0.005	43.202	0.004	43.208	0.012	43.215	0.012
43.225	-0.000	43.235	-0.004	43.249	-0.004	43.262	-0.004
43.275	-0.000	43.286	-0.001	43.309	-0.001	43.324	-0.001
43.340	0.003	43.355	0.003	43.371	0.019	43.379	0.035
43.387	0.039	43.403	0.018	43.420	0.006	43.433	-0.014
43.449	-0.014	43.468	-0.011	43.489	-0.011	43.512	-0.008
43.533	-0.008	43.557	-0.009	43.563	-0.009	43.570	-0.009
43.585	-0.001	43.602	-0.001	43.616	-0.006	43.631	-0.006
43.648	-0.002	43.658	-0.002	43.666	0.001	43.674	0.001
43.684	-0.003	43.696	-0.007	43.706	-0.011	43.717	-0.015
43.732	-0.016	43.747	-0.020	43.760	-0.020	43.778	-0.020
43.792	-0.021	43.807	-0.021	43.821	-0.017	43.831	-0.013
43.839	-0.010	43.851	-0.006	43.861	-0.006	43.873	-0.014
43.886	-0.026	43.897	-0.039	43.910	-0.027	43.922	-0.015

43.934	-0.019	43.948	-0.023	43.960	-0.023	43.970	-0.015
43.981	-0.020	43.991	-0.032	44.003	-0.036	44.015	-0.028
44.021	-0.020	44.033	-0.020	44.054	-0.020	44.067	-0.024
44.077	-0.024	44.086	-0.024	44.094	-0.024	44.101	-0.040
44.112	-0.040	44.122	-0.028	44.131	-0.012	44.146	-0.012
44.162	-0.012	44.180	-0.024	44.200	-0.024	44.222	-0.024
44.244	-0.024	44.259	-0.024	44.279	-0.024	44.300	-0.024
44.311	-0.020	44.328	-0.016	44.343	-0.012	44.358	-0.008
44.372	-0.012	44.384	-0.016	44.395	-0.016	44.406	-0.016
44.419	-0.016	44.432	-0.016	44.443	-0.016	44.445	-0.012
44.451	-0.012	44.459	-0.004	44.469	-0.008	44.480	-0.016
44.492	-0.016	44.505	-0.016	44.524	-0.016	44.533	-0.016
44.546	-0.008	44.564	-0.008	44.576	-0.008	44.587	-0.008
44.595	-0.004	44.609	0.004	44.627	0.004	44.640	-0.012
44.653	-0.024	44.663	-0.016	44.674	-0.016	44.687	-0.008
44.700	-0.004	44.721	-0.004	44.734	-0.004	44.764	-0.004
44.784	-0.000	44.797	-0.000	44.810	0.004	44.824	-0.000
44.842	-0.000	44.861	0.004	44.879	0.008	44.895	0.008
44.916	0.008	44.936	0.008	44.953	0.008	44.976	0.008
44.995	-0.000	45.011	-0.000	45.035	-0.000	45.054	-0.004
45.080	-0.004	45.095	-0.004	45.099	-0.004	45.107	-0.008
45.120	-0.008	45.135	-0.008	45.150	-0.008	45.169	-0.012
45.188	-0.012	45.199	-0.008	45.209	-0.000	45.225	-0.000
45.246	-0.000	45.270	-0.008	45.270	-0.008	45.281	-0.020
45.294	-0.012	45.304	-0.008	45.313	0.004	45.325	0.000
45.336	0.000	45.348	-0.008	45.363	-0.008	45.375	-0.007
45.388	-0.007	45.402	-0.011	45.414	-0.007	45.424	0.001
45.433	0.001	45.453	0.002	45.471	-0.002	45.496	-0.001
45.519	-0.000	45.536	0.000	45.550	0.000	45.564	-0.003
45.580	-0.003	45.597	-0.002	45.610	-0.002	45.629	-0.001
45.645	-0.005	45.664	-0.005	45.683	-0.001	45.696	-0.005
45.712	-0.016	45.728	-0.012	45.740	-0.012	45.759	-0.012
45.777	-0.012	45.783	-0.008	45.792	-0.008	45.799	-0.004
45.808	-0.004	45.818	-0.005	45.833	-0.005	45.846	-0.005
45.862	-0.005	45.873	-0.009	45.886	-0.009	45.898	-0.013
45.913	-0.013	45.928	-0.014	45.944	-0.014	45.961	-0.010
45.980	-0.010	45.994	-0.007	46.007	-0.007	46.023	-0.007
46.036	-0.003	46.050	-0.003	46.070	-0.003	46.082	-0.004
46.094	-0.016	46.105	-0.028	46.114	-0.028	46.123	-0.016
46.135	-0.012	46.149	-0.012	46.166	-0.012	46.178	-0.012
46.192	-0.012	46.205	-0.012	46.221	-0.012	46.239	-0.012
46.259	-0.012	46.273	-0.012	46.293	-0.012	46.305	-0.004
46.323	0.004	46.327	0.004	46.349	-0.004	46.365	-0.004
46.385	-0.005	46.402	-0.009	46.418	-0.009	46.433	-0.009
46.450	-0.006	46.471	-0.014	46.478	-0.014	46.492	-0.019
46.497	-0.011	46.506	-0.011	46.516	-0.016	46.527	-0.008
46.540	-0.009	46.550	-0.009	46.561	-0.010	46.571	-0.010
46.585	-0.010	46.593	-0.018	46.604	-0.019	46.614	-0.011
46.626	-0.011	46.643	-0.011	46.654	-0.012	46.668	-0.012
46.683	-0.012	46.693	-0.012	46.708	-0.012	46.724	-0.012
46.737	-0.008	46.753	-0.008	46.768	-0.008	46.785	-0.004
46.806	-0.004	46.820	-0.008	46.831	-0.009	46.849	-0.009
46.865	-0.009	46.872	-0.009	46.885	-0.005	46.898	0.003
46.902	0.003	46.912	0.003	46.917	0.003	46.927	0.002
46.941	-0.002	46.949	-0.010	46.959	-0.015	46.971	-0.007
46.980	-0.007	46.995	-0.008	47.009	-0.008	47.022	-0.008

47.038	-0.001	47.052	-0.005	47.073	-0.006	47.089	-0.002
47.107	0.001	47.120	0.001	47.134	-0.007	47.154	-0.011
47.178	-0.016	47.203	-0.016	47.226	-0.012	47.255	-0.008
47.270	-0.004	47.286	-0.013	47.300	-0.005	47.326	-0.001
47.348	0.003	47.373	0.003	47.400	0.002	47.418	-0.002
47.432	-0.006	47.445	0.002	47.464	0.002	47.478	0.002
47.496	-0.006	47.513	-0.005	47.529	-0.005	47.547	-0.005
47.564	-0.005	47.581	-0.005	47.600	-0.001	47.615	-0.005
47.633	-0.004	47.656	-0.004	47.674	-0.004	47.688	0.004
47.706	-0.004	47.714	-0.004	47.727	-0.012	47.742	-0.012
47.758	-0.004	47.774	-0.004	47.788	-0.000	47.797	-0.000
47.806	0.004	47.818	0.004	47.827	-0.005	47.842	-0.013
47.856	-0.013	47.875	-0.014	47.893	-0.010	47.909	-0.010
47.919	-0.007	47.935	-0.007	47.944	-0.008	47.957	-0.008
47.966	-0.013	47.977	-0.013	47.993	-0.014	48.014	-0.014
48.031	-0.015	48.043	-0.011	48.063	-0.011	48.080	-0.012
48.095	-0.012	48.112	-0.012	48.127	-0.008	48.143	-0.008
48.153	-0.008	48.164	-0.012	48.185	-0.012	48.197	-0.008
48.206	-0.004	48.222	-0.004	48.240	-0.005	48.255	-0.005
48.275	-0.005	48.297	-0.006	48.315	-0.006	48.337	-0.006
48.349	-0.002	48.365	-0.003	48.384	-0.003	48.399	0.005
48.416	0.000	48.434	-0.004	48.445	-0.008	48.461	-0.016
48.477	-0.011	48.494	-0.011	48.515	-0.007	48.540	-0.010
48.561	-0.010	48.586	-0.010	48.603	-0.005	48.622	-0.009
48.642	-0.005	48.648	-0.012	48.658	-0.016	48.667	-0.016
48.686	-0.016	48.698	-0.016	48.703	-0.020	48.711	-0.012
48.720	-0.012	48.732	-0.012	48.743	-0.012	48.750	-0.012
48.761	-0.012	48.772	-0.016	48.784	-0.016	48.800	-0.012
48.821	-0.012	48.840	-0.012	48.859	-0.008	48.883	-0.004
48.900	-0.004	48.922	-0.000	48.940	-0.000	48.958	-0.000
48.969	-0.000	48.989	-0.000	49.004	-0.000	49.025	0.004
49.042	-0.000	49.057	-0.004	49.071	-0.004	49.090	-0.004
49.111	-0.004	49.129	-0.004	49.147	-0.004	49.161	-0.004
49.174	-0.004	49.196	-0.012	49.209	-0.012	49.223	-0.004
49.238	-0.004	49.258	-0.008	49.260	-0.000	49.267	-0.004
49.278	-0.000	49.286	-0.004	49.299	-0.008	49.308	-0.008
49.314	-0.008	49.333	-0.000	49.345	0.004	49.354	0.004
49.369	-0.004	49.385	-0.005	49.398	-0.001	49.413	-0.001
49.427	-0.001	49.447	-0.001	49.462	-0.005	49.476	-0.014
49.495	-0.014	49.516	-0.014	49.539	-0.011	49.542	-0.007
49.555	-0.007	49.577	-0.007	49.603	-0.004	49.614	-0.000
49.636	-0.001	49.661	-0.001	49.681	-0.001	49.701	-0.002
49.719	0.002	49.741	0.001	49.771	0.001	49.787	0.001
49.813	0.000	49.827	-0.012	49.848	-0.012	49.867	-0.012
49.885	-0.004	49.908	-0.000	49.929	-0.000	49.944	-0.000
49.960	-0.000	49.982	-0.000	49.997	-0.001	50.014	-0.005
50.027	-0.005	50.050	-0.005	50.063	-0.005	50.082	-0.005
50.099	-0.006	50.117	-0.006	50.148	-0.006	50.168	-0.006
50.191	-0.006	50.206	-0.005	50.225	0.003	50.237	0.003
50.249	-0.005	50.262	-0.009	50.277	-0.001	50.283	0.003
50.298	-0.013	50.308	-0.028	50.317	-0.028	50.327	-0.020
50.336	0.008	50.350	0.012	50.361	0.008	50.372	-0.000
50.386	-0.004	50.407	-0.004	50.424	-0.004	50.441	-0.004
50.458	-0.012	50.468	-0.012	50.482	-0.012	50.494	-0.012
50.509	-0.004	50.525	-0.008	50.541	-0.008	50.555	-0.000
50.570	-0.001	50.580	-0.001	50.598	-0.001	50.615	-0.001

50.636	0.009	50.645	0.009	50.652	0.000	50.665	-0.001
50.673	-0.001	50.688	-0.002	50.699	-0.007	50.712	-0.009
50.721	-0.002	50.734	-0.004	50.748	-0.005	50.759	-0.014
50.770	-0.010	50.781	-0.003	50.793	-0.004	50.808	-0.008
50.816	-0.016	50.831	-0.016	50.839	-0.012	50.848	-0.008
50.857	-0.012	50.866	-0.016	50.877	-0.020	50.887	-0.016
50.898	-0.008	50.913	-0.003	50.930	-0.003	50.946	-0.019
50.964	-0.014	50.978	-0.014	50.988	-0.022	50.999	-0.026
51.007	-0.017	51.022	-0.009	51.035	-0.009	51.042	-0.017
51.053	-0.008	51.066	-0.008	51.076	-0.008	51.087	-0.016
51.099	-0.015	51.114	-0.015	51.128	-0.015	51.143	-0.015
51.156	-0.014	51.168	-0.014	51.180	-0.010	51.189	-0.006
51.195	-0.014	51.212	-0.013	51.223	-0.017	51.237	-0.021
51.247	-0.025	51.257	-0.021	51.265	-0.017	51.277	-0.008
51.286	-0.008	51.301	-0.012	51.321	-0.016	51.324	-0.012
51.333	-0.020	51.344	-0.020	51.360	-0.020	51.375	-0.020
51.385	-0.020	51.404	-0.020	51.421	-0.016	51.436	-0.012
51.449	-0.012	51.462	-0.012	51.484	-0.012	51.500	-0.012
51.517	-0.012	51.534	-0.012	51.548	-0.016	51.566	-0.016
51.579	-0.016	51.596	-0.016	51.613	-0.016	51.630	-0.016
51.653	-0.016	51.671	-0.016	51.688	-0.016	51.705	-0.016
51.725	-0.016	51.746	-0.016	51.764	-0.016	51.782	-0.016
51.796	-0.016	51.810	-0.016	51.827	-0.012	51.839	-0.012
51.854	-0.012	51.873	-0.012	51.898	-0.012	51.920	-0.016
51.946	-0.012	51.965	-0.012	51.985	-0.012	52.006	-0.012
52.029	-0.008	52.046	-0.008	52.065	-0.008	52.083	-0.004
52.099	-0.004	52.117	-0.004	52.138	-0.004	52.161	-0.012
52.185	-0.012	52.206	-0.008	52.229	-0.008	52.250	-0.008
52.261	-0.012	52.278	-0.016	52.292	-0.015	52.304	-0.011
52.321	-0.006	52.339	-0.006	52.351	-0.018	52.361	-0.009
52.370	-0.009	52.383	-0.004	52.391	-0.003	52.401	0.001
52.409	0.002	52.415	0.002	52.423	0.006	52.441	0.003
52.459	0.004	52.470	0.003	52.479	0.002	52.494	-0.000
52.505	-0.002	52.513	-0.004	52.528	-0.005	52.548	-0.006
52.557	-0.007	52.563	-0.006	52.574	0.000	52.584	0.003
52.595	-0.002	52.606	-0.001	52.619	0.004	52.636	0.004
52.654	0.005	52.668	0.005	52.689	0.005	52.710	0.006
52.727	0.002	52.760	0.015	52.782	0.016	52.794	0.017
52.821	0.013	52.843	0.016	52.864	0.003	52.879	-0.006
52.904	0.008	52.927	-0.002	52.942	-0.011	52.966	0.008
52.983	0.003	52.998	-0.005	53.006	-0.001	53.019	-0.002
53.032	0.002	53.045	-0.002	53.072	-0.003	53.080	0.005
53.091	0.009	53.113	0.012	53.139	-0.004	53.158	-0.004
53.186	0.008	53.206	-0.004	53.225	0.004	53.243	0.012
53.261	-0.004	53.277	0.004	53.293	-0.000	53.314	-0.004
53.331	-0.008	53.343	-0.004	53.363	-0.000	53.379	-0.008
53.400	-0.008	53.417	-0.000	53.429	-0.004	53.452	-0.004
53.471	0.004	53.485	0.004	53.508	-0.004	53.529	0.012
53.548	0.004	53.563	0.004	53.579	-0.004	53.594	0.004
53.611	0.008	53.631	0.008	53.649	0.004	53.673	0.004
53.695	-0.000	53.720	0.004	53.738	-0.004	53.756	-0.012
53.774	0.008	53.808	-0.000	53.826	-0.000	53.858	-0.000
53.875	-0.004	53.903	0.004	53.929	-0.004	53.956	-0.000
53.981	0.012	54.014	0.008	54.033	0.016	54.058	0.016
54.074	0.012	54.100	0.004	54.118	0.008	54.129	0.004
54.139	0.020	54.150	0.008	54.163	0.016	54.187	0.020

54.206	0.012	54.224	0.004	54.248	0.004	54.266	-0.004
54.281	0.004	54.301	-0.000	54.320	0.004	54.348	-0.000
54.369	0.012	54.396	0.004	54.416	0.012	54.431	0.012
54.448	0.004	54.468	0.008	54.486	0.004	54.504	0.008
54.518	0.008	54.540	0.008	54.556	0.012	54.571	0.012
54.590	0.004	54.622	-0.000	54.653	0.011	54.675	0.007
54.699	-0.002	54.721	0.001	54.744	0.001	54.759	0.000
54.777	-0.000	54.802	-0.002	54.823	-0.003	54.848	0.003
54.866	0.001	54.890	-0.014	54.912	-0.020	54.935	-0.014
54.969	-0.018	54.993	-0.020	55.041	-0.016	55.044	-0.033
55.064	-0.030	55.082	-0.020	55.124	-0.029	55.140	-0.025
55.154	-0.005	55.179	-0.029	55.209	-0.032	55.232	-0.031
55.255	-0.026	55.278	-0.029	55.307	-0.023	55.329	-0.021
55.363	-0.019	55.395	-0.016	55.414	-0.015	55.447	-0.005
55.460	-0.024	55.482	-0.015	55.504	0.009	55.522	-0.002
55.548	0.006	55.570	-0.006	55.593	-0.005	55.619	-0.001
55.668	-0.012	55.702	0.008	55.731	0.008	55.761	0.012
55.781	0.008	55.810	-0.004	55.837	-0.004	55.866	-0.008
55.895	0.016	55.910	-0.000	55.931	0.008	55.956	0.020
55.978	0.012	56.020	-0.000	56.058	0.008	56.084	0.020
56.116	0.004	56.147	0.004	56.171	0.020	56.202	0.008
56.235	0.015	56.255	0.039	56.283	0.015	56.307	0.003
56.325	0.007	56.363	0.019	56.395	0.015	56.441	0.006
56.463	0.018	56.479	0.026	56.513	0.022	56.553	0.021
56.568	0.005	56.592	0.001	56.635	0.021	56.669	0.028
56.694	0.040	56.713	0.016	56.737	-0.004	56.769	0.004
56.803	0.015	56.831	0.023	56.863	0.019	56.895	0.015
56.927	0.015	56.940	0.007	56.967	0.026	56.998	0.026
57.038	0.018	57.073	0.010	57.109	0.010	57.124	0.025
57.149	0.009	57.167	0.009	57.199	0.021	57.222	0.005
57.248	0.016	57.259	-0.004	57.277	0.015	57.301	0.003
57.324	-0.002	57.354	0.002	57.405	0.005	57.443	-0.000
57.475	0.011	57.504	0.006	57.536	0.002	57.563	0.001
57.603	-0.001	57.635	0.002	57.655	0.001	57.683	-0.004
57.701	-0.005	57.733	-0.006	57.759	-0.007	57.786	-0.007
57.832	-0.008	57.856	-0.004	57.882	0.015	57.911	0.003
57.943	0.002	57.957	-0.014	57.972	-0.011	57.996	0.005
58.010	0.005	58.035	0.004	58.055	0.008	58.085	0.000
58.134	0.000	58.155	-0.004	58.175	0.008	58.203	0.004
58.221	-0.003	58.248	0.009	58.274	-0.003	58.313	0.005
58.355	0.001	58.389	-0.003	58.418	0.005	58.430	0.009
58.471	0.006	58.524	-0.010	58.590	-0.009	58.637	-0.005
58.658	-0.005	58.686	-0.001	58.719	-0.001	58.744	-0.001
58.769	-0.000	58.802	-0.000	58.826	-0.000	58.847	-0.000
58.876	-0.000	58.911	-0.000	58.940	-0.000	58.968	-0.000
58.989	-0.000	59.015	0.000	59.050	-0.004	59.085	-0.004
59.114	0.008	59.140	0.001	59.180	0.001	59.230	-0.007
59.275	-0.002	59.312	-0.002	59.356	-0.002	59.383	-0.002
59.420	-0.001	59.441	0.003	59.462	-0.001	59.506	-0.001
59.525	-0.001	59.559	-0.001	59.589	-0.004	59.610	-0.000
59.648	-0.000	59.696	-0.000	59.739	0.020	59.781	0.008
59.829	0.004	59.883	0.004	59.912	-0.020	59.935	-0.020
59.967	0.001	60.004	0.013	60.048	0.014	60.086	0.015
60.126	0.016	60.150	0.017	60.171	0.025	60.197	0.014
60.228	0.015	60.252	0.011	60.282	0.020	60.322	0.028
60.347	0.024	60.394	0.023	60.444	0.021	60.470	0.016

60.504	0.030	60.545	0.024	60.586	0.019	60.628	0.009
60.662	0.016	60.698	0.020	60.732	0.011	60.763	0.014
60.786	0.010	60.828	0.013	60.867	0.012	60.901	0.011
60.937	0.010	60.980	0.009	61.007	0.005	61.047	0.004
61.059	0.004	61.082	0.003	61.107	0.003	61.131	0.018
61.165	-0.002	61.206	0.013	61.278	0.007	61.335	0.005
61.340	0.001	61.379	0.000	61.412	-0.000	61.434	-0.001
61.474	-0.009	61.499	-0.010	61.565	-0.003	61.610	0.001
61.618	-0.003	61.641	-0.003	61.655	-0.003	61.695	-0.004
61.733	-0.004	61.747	-0.008	61.783	-0.009	61.818	-0.009
61.842	-0.009	61.856	-0.001	61.881	-0.006	61.931	-0.006
61.956	-0.010	61.982	0.001	62.012	0.001	62.081	-0.000
62.115	-0.009	62.149	-0.009	62.206	-0.013	62.266	-0.013
62.269	-0.009	62.299	-0.001	62.342	-0.009	62.367	-0.013
62.401	-0.008	62.436	-0.000	62.470	-0.008	62.498	-0.020
62.525	-0.019	62.546	-0.003	62.563	-0.011	62.582	-0.015
62.610	-0.011	62.636	-0.014	62.668	-0.006	62.694	-0.002
62.729	-0.006	62.753	-0.006	62.778	-0.005	62.817	-0.005
62.845	-0.005	62.861	-0.005	62.899	-0.004	62.942	-0.004
62.989	-0.003	63.040	-0.007	63.070	-0.007	63.118	-0.007
63.153	-0.006	63.183	-0.014	63.221	-0.006	63.264	-0.007
63.301	-0.007	63.334	-0.007	63.369	-0.008	63.401	-0.012
63.425	-0.012	63.456	-0.009	63.482	-0.013	63.520	-0.014
63.567	-0.015	63.607	-0.016	63.644	-0.008	63.672	-0.013
63.707	-0.001	63.735	-0.018	63.784	-0.018	63.814	-0.015
63.846	-0.015	63.883	-0.015	63.922	-0.011	63.974	-0.016
64.022	-0.020	64.076	-0.020	64.148	-0.020	64.192	-0.012
64.235	-0.008	64.272	-0.012	64.318	-0.008	64.366	-0.012
64.392	-0.013	64.421	-0.013	64.452	-0.013	64.498	-0.013
64.550	-0.014	64.597	-0.011	64.666	-0.012	64.710	-0.017
64.750	-0.014	64.793	-0.023	64.832	-0.024	64.872	-0.018
64.914	-0.027	64.955	-0.025	64.993	-0.026	65.012	-0.022
65.042	-0.023	65.074	-0.023	65.109	-0.027	65.127	-0.024
65.151	-0.020	65.177	-0.020	65.199	-0.020	65.228	-0.024
65.251	-0.024	65.279	-0.023	65.306	-0.023	65.332	-0.023
65.355	-0.023	65.378	-0.018	65.398	-0.018	65.407	-0.022
65.431	-0.025	65.451	-0.021	65.472	-0.021	65.495	-0.016
65.521	-0.020	65.540	-0.020	65.557	-0.011	65.579	-0.015
65.602	-0.019	65.629	-0.018	65.653	-0.018	65.680	-0.009
65.704	-0.017	65.729	-0.017	65.755	-0.017	65.778	-0.017
65.807	-0.016	65.840	-0.016	65.868	-0.016	65.898	-0.016
65.924	-0.016	65.975	-0.016	66.022	-0.017	66.068	-0.017
66.109	-0.017	66.156	-0.017	66.196	-0.018	66.234	-0.018
66.285	-0.018	66.335	-0.019	66.385	-0.019	66.436	-0.019
66.476	-0.027	66.514	-0.028	66.558	-0.024	66.605	-0.024
66.656	-0.024	66.714	-0.024	66.757	-0.024	66.799	-0.024
66.835	-0.024	66.883	-0.020	66.946	-0.020	67.015	-0.020
67.069	-0.020	67.124	-0.019	67.180	-0.015	67.235	-0.015
67.294	-0.015	67.344	-0.019	67.368	-0.018	67.392	-0.026
67.402	-0.026	67.423	-0.010	67.436	-0.018	67.458	-0.034
67.473	-0.030	67.496	-0.006	67.528	-0.006	67.547	-0.009
67.565	-0.041	67.578	-0.057	67.588	-0.033	67.606	-0.009
67.618	-0.017	67.637	-0.033	67.652	-0.021	67.670	-0.005
67.685	-0.009	67.701	-0.025	67.717	-0.021	67.731	-0.005
67.740	-0.009	67.761	-0.033	67.780	-0.061	67.788	-0.057
67.804	-0.025	67.825	-0.025	67.841	-0.025	67.860	-0.013

67.877	-0.005	67.897	-0.029	67.912	-0.021	67.931	-0.029
67.948	-0.029	67.961	-0.041	67.980	-0.009	67.993	-0.021
68.012	-0.029	68.025	-0.017	68.044	-0.025	68.063	-0.002
68.074	-0.022	68.086	-0.034	68.104	-0.010	68.112	-0.022
68.129	-0.050	68.142	-0.058	68.157	-0.038	68.176	-0.010
68.187	-0.014	68.205	-0.022	68.230	-0.019	68.272	-0.019
68.290	-0.019	68.304	-0.011	68.329	-0.031	68.353	-0.023
68.370	-0.023	68.391	-0.031	68.419	-0.015	68.441	-0.019
68.476	-0.027	68.503	-0.031	68.531	-0.027	68.554	-0.027
68.574	-0.019	68.592	-0.019	68.616	-0.019	68.640	-0.019
68.661	-0.015	68.685	-0.027	68.700	-0.027	68.726	-0.015
68.748	-0.018	68.775	-0.026	68.803	-0.034	68.817	-0.026
68.837	-0.006	68.853	-0.018	68.869	-0.026	68.890	-0.022
68.915	-0.018	68.939	-0.017	68.956	-0.029	68.976	-0.033
69.000	-0.029	69.021	-0.025	69.042	-0.017	69.060	-0.021
69.081	-0.025	69.095	-0.005	69.105	-0.017	69.127	-0.033
69.140	-0.025	69.165	-0.021	69.193	-0.021	69.214	-0.032
69.227	-0.028	69.250	-0.020	69.263	-0.016	69.273	-0.024
69.298	-0.032	69.317	-0.020	69.343	-0.024	69.359	-0.012
69.374	-0.028	69.389	-0.032	69.408	-0.036	69.422	-0.024
69.431	-0.024	69.452	-0.036	69.471	-0.032	69.494	-0.020
69.520	-0.024	69.538	-0.020	69.578	-0.031	69.595	-0.019
69.616	-0.011	69.634	-0.043	69.647	-0.023	69.662	-0.007
69.685	-0.027	69.709	-0.011	69.735	-0.023	69.758	-0.023
69.784	-0.019	69.812	-0.023	69.839	-0.027	69.873	-0.014
69.889	-0.022	69.903	-0.022	69.916	-0.018	69.931	-0.014
69.941	-0.018	69.957	-0.022	69.966	-0.022	69.982	-0.014
69.999	-0.014	70.010	-0.014	70.019	-0.005	70.032	-0.021
70.047	-0.021	70.062	-0.021	70.079	-0.021	70.099	-0.021
70.115	-0.017	70.132	-0.017	70.161	-0.017	70.174	-0.021
70.195	-0.009	70.219	-0.029	70.244	-0.009	70.256	-0.017
70.276	-0.025	70.288	-0.025	70.304	-0.013	70.314	-0.013
70.337	-0.029	70.345	-0.021	70.360	-0.009	70.369	-0.009
70.386	-0.025	70.398	-0.033	70.415	-0.021	70.431	-0.017
70.443	-0.009	70.461	-0.001	70.478	0.003	70.493	0.003
70.508	-0.014	70.523	-0.030	70.539	-0.038	70.551	-0.030
70.580	-0.030	70.594	-0.014	70.609	-0.006	70.620	-0.002
70.640	-0.014	70.655	-0.030	70.661	-0.030	70.681	-0.011
70.692	-0.011	70.713	-0.027	70.735	-0.023	70.753	-0.019
70.774	-0.007	70.800	-0.007	70.815	-0.003	70.834	-0.019
70.856	-0.016	70.874	-0.016	70.888	-0.028	70.905	-0.036
70.918	-0.020	70.929	-0.016	70.941	-0.008	70.957	-0.020
70.968	-0.012	70.983	-0.012	70.997	-0.020	71.011	-0.032
71.021	-0.024	71.037	-0.017	71.062	-0.009	71.073	-0.005
71.086	-0.009	71.099	-0.029	71.115	-0.033	71.133	-0.017
71.146	-0.013	71.176	-0.017	71.193	-0.018	71.214	-0.030
71.230	-0.022	71.249	-0.014	71.266	-0.006	71.275	-0.006
71.292	-0.022	71.310	-0.034	71.325	-0.022	71.341	-0.014
71.358	-0.011	71.378	-0.019	71.406	-0.019	71.426	-0.007
71.449	-0.019	71.477	-0.012	71.497	-0.024	71.513	-0.012
71.533	-0.008	71.551	-0.013	71.579	-0.021	71.597	-0.021
71.615	-0.010	71.631	-0.014	71.659	-0.014	71.684	-0.027
71.701	-0.019	71.718	-0.011	71.744	-0.040	71.757	-0.028
71.773	-0.016	71.795	-0.013	71.828	-0.014	71.854	-0.014
71.867	-0.019	71.890	-0.031	71.904	-0.024	71.923	-0.020
71.946	-0.021	71.962	-0.009	71.976	-0.013	72.003	-0.029

72.017	-0.017	72.032	-0.017	72.053	-0.033	72.069	-0.033
72.097	-0.029	72.124	-0.017	72.143	-0.028	72.160	-0.020
72.186	-0.024	72.212	-0.024	72.235	-0.028	72.258	-0.035
72.272	-0.031	72.293	-0.022	72.314	-0.026	72.331	-0.025
72.359	-0.044	72.382	-0.036	72.409	-0.031	72.438	-0.026
72.456	-0.014	72.476	-0.029	72.489	-0.029	72.509	-0.016
72.525	-0.008	72.543	-0.016	72.560	-0.008	72.575	0.001
72.593	-0.015	72.616	-0.019	72.631	-0.015	72.644	-0.011
72.663	-0.022	72.687	-0.034	72.709	-0.058	72.724	-0.038
72.743	-0.029	72.755	-0.029	72.772	-0.013	72.784	-0.025
72.801	-0.037	72.829	-0.032	72.852	-0.012	72.874	-0.024
72.904	-0.044	72.921	-0.059	72.945	-0.031	72.967	-0.019
72.990	-0.007	73.008	-0.003	73.021	-0.019	73.042	-0.051
73.059	-0.059	73.079	-0.030	73.102	-0.034	73.128	-0.014
73.154	-0.034	73.195	-0.030	73.228	-0.021	73.247	-0.021
73.274	-0.045	73.297	-0.028	73.317	-0.020	73.348	-0.035
73.372	-0.015	73.386	-0.011	73.407	-0.022	73.438	-0.046
73.469	-0.041	73.484	-0.037	73.492	-0.024	73.502	-0.020
73.514	-0.024	73.540	-0.043	73.553	-0.027	73.560	-0.015
73.577	-0.015	73.591	-0.022	73.619	-0.014	73.645	-0.022
73.675	-0.025	73.697	-0.029	73.711	-0.021	73.732	-0.017
73.759	-0.013	73.771	-0.013	73.785	-0.029	73.801	-0.017
73.816	-0.021	73.840	-0.005	73.858	-0.017	73.875	-0.028
73.891	-0.028	73.912	-0.024	73.926	-0.024	73.947	-0.012
73.971	-0.016	73.987	-0.024	74.002	-0.020	74.016	-0.028
74.033	-0.036	74.045	-0.036	74.057	-0.032	74.074	-0.016
74.097	-0.004	74.121	-0.004	74.137	-0.004	74.151	-0.016
74.167	-0.024	74.181	-0.036	74.190	-0.028	74.203	-0.028
74.215	-0.020	74.228	-0.016	74.241	-0.020	74.251	-0.028
74.271	-0.004	74.280	-0.000	74.299	-0.008	74.308	-0.028
74.319	-0.016	74.335	-0.012	74.354	-0.032	74.380	-0.029
74.405	-0.033	74.421	-0.013	74.437	-0.009	74.453	-0.017
74.464	-0.025	74.479	-0.013	74.484	-0.017	74.502	-0.013
74.519	-0.013	74.539	-0.014	74.559	-0.014	74.575	-0.002
74.597	-0.014	74.611	-0.006	74.628	0.002	74.641	0.006
74.655	0.001	74.672	-0.027	74.690	-0.019	74.708	0.001
74.737	-0.031	74.750	-0.015	74.768	0.009	74.784	0.009
74.801	-0.003	74.816	0.005	74.828	0.000	74.843	-0.020
74.857	-0.036	74.878	-0.008	74.896	-0.012	74.913	-0.024
74.922	-0.020	74.934	-0.008	74.943	-0.008	74.958	-0.016
74.968	-0.020	74.986	-0.012	75.000	-0.008	75.010	-0.008
75.020	-0.020	75.034	-0.024	75.045	-0.024	75.059	-0.024
75.073	-0.020	75.092	-0.020	75.115	-0.016	75.138	-0.016
75.152	-0.008	75.170	0.004	75.192	-0.016	75.206	-0.016
75.224	-0.008	75.237	-0.020	75.251	-0.028	75.266	-0.020
75.279	-0.008	75.292	-0.008	75.303	-0.028	75.313	-0.036
75.327	-0.016	75.342	-0.004	75.353	0.004	75.364	0.008
75.378	-0.000	75.398	-0.020	75.413	-0.016	75.422	-0.020
75.439	-0.040	75.451	-0.028	75.469	-0.004	75.482	-0.008
75.501	-0.008	75.515	-0.004	75.533	-0.000	75.552	0.004
75.559	-0.008	75.577	-0.032	75.591	-0.016	75.611	-0.000
75.627	-0.012	75.648	-0.028	75.658	-0.024	75.681	-0.020
75.693	-0.008	75.720	-0.004	75.736	-0.004	75.752	0.008
75.768	-0.008	75.781	-0.020	75.798	-0.024	75.815	-0.020
75.828	-0.008	75.844	-0.000	75.864	-0.000	75.883	-0.000
75.903	-0.016	75.915	-0.016	75.931	-0.004	75.945	-0.012

75.963	-0.008	75.983	-0.008	75.997	-0.016	76.009	-0.008
76.024	-0.004	76.040	-0.000	76.051	-0.000	76.057	-0.000
76.070	-0.012	76.083	-0.020	76.098	-0.016	76.112	-0.016
76.129	-0.000	76.138	-0.000	76.154	-0.008	76.172	-0.016
76.185	-0.008	76.195	-0.008	76.217	-0.008	76.235	-0.004
76.248	-0.016	76.262	-0.028	76.274	-0.016	76.291	-0.008
76.306	-0.008	76.323	-0.012	76.333	-0.012	76.347	-0.004
76.360	0.008	76.372	0.008	76.388	-0.004	76.403	-0.008
76.415	-0.016	76.431	-0.004	76.445	-0.016	76.457	-0.024
76.472	-0.008	76.485	-0.000	76.503	0.004	76.526	0.004
76.543	-0.004	76.563	-0.000	76.577	-0.004	76.596	-0.020
76.609	-0.016	76.627	-0.008	76.648	-0.012	76.665	-0.008
76.682	-0.000	76.696	0.008	76.713	0.008	76.728	0.008
76.744	0.008	76.761	0.004	76.781	-0.004	76.798	-0.016
76.811	-0.012	76.827	-0.008	76.844	-0.012	76.856	-0.004
76.873	0.004	76.902	-0.004	76.917	-0.004	76.944	-0.000
76.960	-0.000	76.995	-0.000	77.020	0.008	77.038	0.008
77.061	0.008	77.077	0.004	77.100	-0.008	77.131	0.007
77.147	0.003	77.170	0.003	77.191	0.003	77.219	-0.001
77.241	-0.001	77.261	0.007	77.271	0.007	77.293	0.003
77.329	0.003	77.359	-0.001	77.379	-0.002	77.399	0.006
77.423	-0.002	77.439	0.010	77.459	0.014	77.479	0.013
77.494	0.005	77.513	-0.003	77.530	-0.011	77.550	-0.007
77.575	-0.003	77.595	-0.004	77.621	-0.004	77.639	-0.004
77.665	-0.008	77.685	-0.005	77.708	-0.001	77.724	0.003
77.742	-0.010	77.763	-0.022	77.777	-0.026	77.797	-0.022
77.816	-0.015	77.836	-0.011	77.855	-0.011	77.876	-0.015
77.888	-0.016	77.907	-0.004	77.927	-0.000	77.946	-0.008
77.961	-0.020	77.979	-0.025	77.995	-0.009	78.015	-0.013
78.033	-0.005	78.053	-0.012	78.071	-0.005	78.096	-0.009
78.114	0.002	78.128	-0.002	78.149	-0.010	78.174	-0.014
78.199	-0.010	78.235	-0.014	78.262	-0.009	78.291	-0.009
78.319	-0.009	78.340	-0.005	78.354	-0.009	78.374	-0.017
78.394	-0.016	78.412	-0.016	78.432	-0.016	78.451	-0.004
78.468	0.000	78.486	0.000	78.505	-0.004	78.525	-0.011
78.549	-0.023	78.558	-0.023	78.577	-0.015	78.602	-0.007
78.622	-0.002	78.646	-0.006	78.665	-0.006	78.687	-0.010
78.703	-0.022	78.719	-0.029	78.731	-0.021	78.749	-0.013
78.778	-0.013	78.794	-0.005	78.814	-0.005	78.835	-0.009
78.859	-0.009	78.877	-0.004	78.895	-0.008	78.915	-0.012
78.934	-0.020	78.953	-0.016	78.971	-0.012	78.993	-0.008
79.005	-0.008	79.025	-0.012	79.038	-0.008	79.058	-0.004
79.078	-0.011	79.101	-0.019	79.115	-0.007	79.126	-0.003
79.147	-0.019	79.157	-0.015	79.180	-0.003	79.210	-0.007
79.238	-0.003	79.259	-0.006	79.276	-0.018	79.295	-0.022
79.311	-0.018	79.330	-0.002	79.340	-0.002	79.358	-0.018
79.372	-0.010	79.391	-0.006	79.411	-0.006	79.429	-0.010
79.442	-0.009	79.465	-0.005	79.483	-0.017	79.501	-0.021
79.519	-0.013	79.536	-0.005	79.553	-0.017	79.564	-0.013
79.577	-0.005	79.593	-0.001	79.603	-0.001	79.616	-0.013
79.636	-0.025	79.669	-0.025	79.685	-0.017	79.704	-0.012
79.726	-0.020	79.745	-0.016	79.769	-0.008	79.784	-0.008
79.804	-0.016	79.819	-0.016	79.836	-0.016	79.853	-0.016
79.871	-0.008	79.894	-0.008	79.913	-0.016	79.938	-0.016
79.952	-0.016	79.971	-0.012	79.989	-0.008	80.007	-0.012
80.032	-0.008	80.045	-0.008	80.065	-0.016	80.085	-0.012

80.099	-0.004	80.114	-0.000	80.144	-0.000	80.162	-0.000
80.180	-0.020	80.205	-0.012	80.233	-0.016	80.247	-0.016
80.268	-0.008	80.291	-0.004	80.325	-0.004	80.345	-0.016
80.363	-0.020	80.377	-0.012	80.403	-0.004	80.426	-0.008
80.450	-0.008	80.477	-0.020	80.508	-0.020	80.530	-0.020
80.553	-0.012	80.574	-0.012	80.598	-0.012	80.619	-0.016
80.650	-0.016	80.688	-0.016	80.723	-0.016	80.749	-0.020
80.769	-0.020	80.790	-0.012	80.817	-0.008	80.850	-0.008
80.868	-0.012	80.885	-0.020	80.901	-0.028	80.922	-0.020
80.955	-0.020	80.995	-0.016	81.027	-0.016	81.055	-0.016
81.081	-0.020	81.102	-0.016	81.130	-0.024	81.146	-0.016
81.167	-0.008	81.192	-0.008	81.208	-0.008	81.226	-0.012
81.240	-0.016	81.255	-0.024	81.268	-0.016	81.292	-0.012
81.319	-0.012	81.343	-0.016	81.363	-0.024	81.382	-0.016
81.396	-0.016	81.419	-0.016	81.440	-0.008	81.456	-0.016
81.477	-0.020	81.491	-0.016	81.515	-0.016	81.534	-0.016
81.554	-0.016	81.572	-0.020	81.589	-0.019	81.609	-0.023
81.621	-0.019	81.639	-0.007	81.654	-0.011	81.678	-0.015
81.687	-0.019	81.703	-0.015	81.722	-0.015	81.745	-0.007
81.761	-0.007	81.783	-0.015	81.799	-0.015	81.820	-0.010
81.848	-0.010	81.874	-0.006	81.891	-0.010	81.903	-0.014
81.923	-0.021	81.939	-0.017	81.953	-0.009	81.970	-0.009
82.001	-0.013	82.021	-0.013	82.058	-0.012	82.094	-0.012
82.145	-0.007	82.172	-0.011	82.199	-0.007	82.231	-0.010
82.272	-0.010	82.314	-0.009	82.350	-0.009	82.390	-0.008
82.423	-0.008	82.459	-0.012	82.489	-0.023	82.508	-0.027
82.535	-0.019	82.561	-0.015	82.583	-0.026	82.597	-0.026
82.618	-0.018	82.649	-0.018	82.670	-0.014	82.690	-0.013
82.717	-0.021	82.737	-0.021	82.777	-0.017	82.822	-0.012
82.862	-0.012	82.913	-0.020	82.961	-0.016	82.985	-0.019
83.021	-0.023	83.035	-0.019	83.052	-0.015	83.083	-0.019
83.113	-0.019	83.133	-0.010	83.163	-0.010	83.190	-0.014
83.203	-0.010	83.232	-0.022	83.258	-0.017	83.283	-0.013
83.315	-0.009	83.343	-0.013	83.374	-0.013	83.404	-0.012
83.433	-0.012	83.464	-0.016	83.489	-0.015	83.512	-0.023
83.527	-0.019	83.551	-0.011	83.584	-0.006	83.627	-0.010
83.654	-0.014	83.680	-0.013	83.694	-0.013	83.708	-0.017
83.728	-0.017	83.751	-0.004	83.791	-0.015	83.887	-0.014
83.905	-0.013	83.928	-0.012	83.944	-0.012	83.960	-0.011
83.978	-0.006	84.006	-0.001	84.024	-0.017	84.052	-0.013
84.073	-0.005	84.089	-0.008	84.105	-0.008	84.122	-0.012
84.136	-0.016	84.155	-0.016	84.174	-0.004	84.196	-0.000
84.214	-0.000	84.231	-0.004	84.252	-0.012	84.268	-0.004
84.289	-0.016	84.301	-0.016	84.317	-0.004	84.338	0.004
84.355	-0.012	84.379	-0.016	84.397	-0.016	84.413	-0.004
84.427	-0.000	84.441	-0.000	84.459	-0.000	84.476	-0.008
84.491	-0.012	84.507	-0.012	84.519	-0.004	84.537	-0.012
84.553	-0.009	84.570	0.007	84.588	-0.006	84.605	-0.006
84.622	-0.002	84.635	-0.011	84.653	-0.007	84.674	-0.004
84.692	-0.009	84.712	-0.001	84.727	-0.006	84.741	-0.006
84.756	-0.003	84.773	0.000	84.787	-0.008	84.803	-0.016
84.824	-0.012	84.851	-0.008	84.868	-0.008	84.886	-0.004
84.902	-0.004	84.920	-0.008	84.938	-0.008	84.957	-0.008
84.972	-0.008	84.992	-0.011	85.012	-0.015	85.035	-0.006
85.055	-0.006	85.072	-0.014	85.095	-0.005	85.116	-0.005
85.137	-0.005	85.156	-0.005	85.175	-0.009	85.192	-0.009

85.212	-0.008	85.228	-0.008	85.244	-0.008	85.264	-0.008
85.283	-0.004	85.301	-0.004	85.322	-0.004	85.339	-0.004
85.359	-0.005	85.378	-0.001	85.400	-0.001	85.421	-0.001
85.446	-0.005	85.470	-0.006	85.490	-0.011	85.512	-0.011
85.534	-0.012	85.549	-0.012	85.573	-0.009	85.596	-0.010
85.623	-0.010	85.644	-0.011	85.667	-0.012	85.689	-0.008
85.710	-0.005	85.733	-0.013	85.760	-0.017	85.789	-0.009
85.805	-0.009	85.832	-0.013	85.852	-0.009	85.872	-0.009
85.896	-0.013	85.919	-0.013	85.945	-0.009	85.965	-0.005
85.990	-0.009	86.014	-0.010	86.037	-0.010	86.053	-0.006
86.072	-0.014	86.095	-0.015	86.119	-0.015	86.140	-0.007
86.156	-0.011	86.174	-0.019	86.200	-0.016	86.227	-0.016
86.247	-0.016	86.269	-0.004	86.284	-0.016	86.306	-0.012
86.325	-0.008	86.348	-0.012	86.368	-0.020	86.391	-0.008
86.407	-0.008	86.423	-0.012	86.443	-0.012	86.462	-0.012
86.477	-0.012	86.498	-0.011	86.519	-0.011	86.535	-0.011
86.553	-0.015	86.574	-0.019	86.593	-0.018	86.609	-0.006
86.623	-0.002	86.638	-0.009	86.655	-0.017	86.670	-0.005
86.692	-0.004	86.713	-0.008	86.737	-0.004	86.756	-0.007
86.769	-0.015	86.788	-0.003	86.805	-0.006	86.820	-0.006
86.837	-0.010	86.855	-0.009	86.875	-0.009	86.895	-0.009
86.911	-0.005	86.926	-0.005	86.944	-0.009	86.956	-0.009
86.973	-0.009	86.989	-0.004	87.005	-0.008	87.023	-0.008
87.039	-0.008	87.064	-0.004	87.076	-0.008	87.086	-0.008
87.101	-0.004	87.115	-0.008	87.129	-0.008	87.148	-0.008
87.165	-0.008	87.181	-0.000	87.197	-0.000	87.211	-0.000
87.229	-0.000	87.249	-0.000	87.264	-0.000	87.280	-0.000
87.294	-0.000	87.307	-0.000	87.323	-0.000	87.338	-0.000
87.356	-0.005	87.379	-0.009	87.397	-0.009	87.413	-0.009
87.429	-0.009	87.447	-0.005	87.463	0.002	87.481	-0.002
87.500	-0.002	87.520	-0.002	87.541	0.001	87.561	0.001
87.576	0.000	87.594	0.000	87.611	-0.000	87.631	-0.001
87.647	-0.001	87.665	-0.002	87.684	-0.006	87.699	-0.006
87.715	-0.014	87.736	-0.015	87.757	-0.011	87.777	-0.011
87.794	-0.015	87.816	-0.015	87.841	-0.016	87.866	-0.020
87.886	-0.024	87.900	-0.020	87.910	-0.020	87.924	-0.016
87.941	-0.016	87.964	-0.016	87.988	-0.016	88.008	-0.016
88.031	-0.016	88.051	-0.020	88.070	-0.024	88.088	-0.020
88.112	-0.016	88.134	-0.016	88.155	-0.016	88.176	-0.016
88.199	-0.016	88.219	-0.016	88.238	-0.016	88.256	-0.012
88.274	-0.012	88.292	-0.016	88.312	-0.016	88.332	-0.016
88.349	-0.024	88.365	-0.024	88.389	-0.008	88.406	-0.012
88.424	-0.020	88.442	-0.012	88.461	-0.024	88.486	-0.028
88.511	-0.019	88.537	-0.023	88.562	-0.023	88.584	-0.019
88.608	-0.027	88.630	-0.027	88.653	-0.026	88.671	-0.026
88.693	-0.022	88.714	-0.026	88.736	-0.022	88.762	-0.025
88.784	-0.013	88.810	-0.020	88.831	-0.028	88.862	-0.027
88.884	-0.035	88.907	-0.023	88.926	-0.010	88.947	-0.006
88.970	-0.010	88.991	-0.005	89.014	0.007	89.039	-0.013
89.062	-0.020	89.082	-0.020	89.097	-0.020	89.118	-0.008
89.141	0.005	89.167	-0.019	89.192	-0.010	89.216	-0.014
89.236	-0.022	89.257	-0.014	89.277	-0.013	89.297	-0.021
89.312	-0.025	89.331	-0.005	89.360	-0.001	89.388	-0.001
89.402	-0.013	89.422	-0.021	89.442	-0.021	89.465	-0.013
89.486	-0.021	89.509	-0.021	89.537	-0.013	89.564	-0.013
89.591	-0.009	89.614	-0.009	89.634	-0.005	89.662	-0.025

89.684	-0.029	89.702	-0.013	89.728	-0.013	89.755	-0.017
89.784	-0.021	89.807	-0.014	89.836	-0.010	89.867	-0.022
89.892	-0.018	89.911	-0.018	89.937	-0.018	89.956	-0.018
89.976	-0.010	89.998	-0.022	90.019	-0.031	90.036	-0.023
90.057	-0.011	90.086	-0.019	90.109	-0.015	90.139	-0.023
90.159	-0.023	90.184	-0.023	90.216	-0.019	90.247	-0.015
90.271	-0.019	90.286	-0.027	90.306	-0.015	90.331	-0.008
90.347	-0.016	90.393	-0.024	90.410	-0.028	90.431	-0.028
90.455	-0.024	90.473	-0.024	90.490	-0.024	90.513	-0.024
90.535	-0.020	90.561	-0.016	90.589	-0.020	90.613	-0.024
90.640	-0.024	90.662	-0.016	90.687	-0.016	90.711	-0.020
90.740	-0.032	90.767	-0.024	90.790	-0.016	90.812	-0.020
90.840	-0.020	90.861	-0.016	90.878	-0.016	90.900	-0.016
90.919	-0.008	90.943	-0.012	90.968	-0.016	90.993	-0.016
91.015	-0.012	91.036	-0.012	91.058	-0.012	91.073	-0.016
91.096	-0.012	91.123	-0.008	91.154	-0.008	91.180	-0.011
91.199	-0.011	91.215	-0.011	91.235	-0.011	91.254	-0.011
91.273	-0.011	91.293	-0.011	91.313	-0.007	91.338	-0.007
91.363	-0.007	91.390	-0.011	91.411	-0.011	91.427	-0.011
91.448	-0.011	91.469	-0.011	91.492	-0.011	91.516	-0.011
91.544	-0.007	91.576	-0.002	91.597	0.002	91.624	-0.002
91.648	-0.006	91.669	-0.006	91.688	-0.006	91.716	0.002
91.749	-0.002	91.776	-0.022	91.801	-0.013	91.824	-0.013
91.852	-0.005	91.880	-0.004	91.902	-0.004	91.931	-0.004
91.945	-0.004	91.963	-0.007	91.996	-0.007	92.024	-0.007
92.040	-0.006	92.060	0.002	92.081	0.010	92.103	0.002
92.124	-0.001	92.139	-0.001	92.153	-0.001	92.170	-0.001
92.189	-0.000	92.206	-0.000	92.221	-0.000	92.236	0.000
92.255	0.000	92.271	0.001	92.286	0.001	92.300	0.001
92.314	0.001	92.328	0.001	92.343	-0.002	92.358	-0.002
92.373	-0.002	92.387	-0.002	92.403	-0.003	92.418	-0.003
92.435	-0.003	92.449	-0.004	92.463	-0.004	92.475	-0.004
92.496	-0.005	92.516	-0.005	92.531	-0.006	92.553	-0.006
92.567	-0.007	92.582	-0.007	92.599	-0.004	92.613	0.000
92.628	-0.004	92.646	-0.009	92.660	-0.009	92.674	-0.009
92.692	-0.010	92.715	-0.010	92.731	-0.011	92.748	-0.012
92.765	-0.012	92.792	-0.013	92.816	-0.010	92.837	-0.010
92.856	-0.011	92.876	-0.012	92.899	-0.017	92.917	-0.013
92.943	-0.018	92.961	-0.014	92.984	-0.014	93.005	-0.014
93.024	-0.015	93.041	-0.019	93.059	-0.023	93.077	-0.019
93.099	-0.015	93.120	-0.011	93.138	-0.023	93.160	-0.024
93.179	-0.024	93.202	-0.024	93.223	-0.020	93.249	-0.020
93.270	-0.020	93.294	-0.019	93.315	-0.023	93.339	-0.023
93.358	-0.023	93.381	-0.023	93.401	-0.023	93.420	-0.010
93.443	-0.014	93.458	-0.018	93.478	-0.017	93.502	-0.013
93.525	-0.013	93.548	-0.013	93.575	-0.016	93.604	-0.016
93.635	-0.012	93.661	-0.016	93.687	-0.020	93.710	-0.019
93.734	-0.015	93.761	-0.015	93.789	-0.011	93.812	-0.015
93.829	-0.019	93.847	-0.015	93.869	-0.011	93.892	-0.015
93.912	-0.015	93.938	-0.019	93.955	-0.019	93.981	-0.011
93.998	-0.011	94.011	-0.012	94.024	-0.012	94.037	-0.016
94.052	-0.016	94.066	-0.016	94.074	-0.021	94.082	-0.021
94.086	-0.017	94.099	-0.017	94.110	-0.017	94.125	-0.017
94.146	-0.017	94.156	-0.021	94.174	-0.021	94.190	-0.021
94.218	-0.025	94.251	-0.025	94.275	-0.025	94.302	-0.025
94.331	-0.025	94.352	-0.025	94.379	-0.025	94.410	-0.024

94.435	-0.024	94.456	-0.024	94.482	-0.024	94.508	-0.020
94.529	-0.020	94.557	-0.016	94.580	-0.016	94.601	-0.016
94.631	-0.017	94.653	-0.017	94.675	-0.018	94.691	-0.018
94.706	-0.018	94.727	-0.019	94.745	-0.019	94.762	-0.016
94.783	-0.016	94.808	-0.016	94.835	-0.017	94.858	-0.017
94.884	-0.018	94.901	-0.018	94.917	-0.018	94.931	-0.019
94.944	-0.023	94.959	-0.023	94.970	-0.023	94.986	-0.024
95.001	-0.024	95.021	-0.016	95.035	-0.017	95.054	-0.017
95.078	-0.017	95.106	-0.022	95.119	-0.022	95.140	-0.023
95.161	-0.027	95.176	-0.027	95.193	-0.028	95.214	-0.028
95.240	-0.028	95.265	-0.033	95.286	-0.033	95.312	-0.033
95.333	-0.033	95.355	-0.034	95.379	-0.034	95.405	-0.034
95.422	-0.034	95.442	-0.034	95.458	-0.034	95.478	-0.033
95.497	-0.033	95.516	-0.033	95.542	-0.033	95.564	-0.033
95.585	-0.025	95.608	-0.025	95.625	-0.024	95.648	-0.024
95.671	-0.024	95.689	-0.024	95.708	-0.024	95.730	-0.020
95.746	-0.020	95.770	-0.020	95.788	-0.028	95.810	-0.028
95.830	-0.028	95.851	-0.024	95.868	-0.020	95.885	-0.020
95.903	-0.028	95.923	-0.024	95.940	-0.028	95.959	-0.032
95.972	-0.032	95.987	-0.032	96.004	-0.028	96.021	-0.028
96.035	-0.028	96.053	-0.028	96.070	-0.028	96.086	-0.028
96.102	-0.028	96.123	-0.028	96.151	-0.028	96.174	-0.036
96.200	-0.032	96.219	-0.032	96.245	-0.032	96.262	-0.032
96.277	-0.024	96.298	-0.024	96.314	-0.024	96.329	-0.024
96.351	-0.024	96.372	-0.024	96.393	-0.028	96.420	-0.028
96.444	-0.028	96.473	-0.028	96.495	-0.028	96.511	-0.028
96.529	-0.028	96.552	-0.028	96.576	-0.028	96.599	-0.028
96.617	-0.028	96.642	-0.032	96.668	-0.032	96.692	-0.032
96.721	-0.032	96.742	-0.032	96.762	-0.032	96.786	-0.032
96.812	-0.032	96.835	-0.032	96.857	-0.032	96.884	-0.032
96.906	-0.032	96.925	-0.032	96.946	-0.032	96.968	-0.032
96.989	-0.032	97.009	-0.032	97.029	-0.032	97.056	-0.032
97.082	-0.028	97.101	-0.028	97.122	-0.032	97.140	-0.032
97.162	-0.036	97.183	-0.036	97.206	-0.036	97.230	-0.036
97.249	-0.036	97.271	-0.032	97.292	-0.024	97.309	-0.024
97.333	-0.024	97.357	-0.028	97.379	-0.028	97.398	-0.028
97.419	-0.028	97.445	-0.024	97.469	-0.032	97.495	-0.028
97.516	-0.020	97.540	-0.028	97.561	-0.028	97.582	-0.028
97.601	-0.032	97.619	-0.032	97.636	-0.032	97.650	-0.032
97.668	-0.028	97.683	-0.028	97.702	-0.028	97.722	-0.028
97.745	-0.028	97.763	-0.028	97.783	-0.028	97.802	-0.028
97.816	-0.028	97.837	-0.028	97.864	-0.028	97.886	-0.025
97.917	-0.025	97.937	-0.025	97.951	-0.025	97.964	-0.025
97.987	-0.026	98.007	-0.026	98.021	-0.030	98.038	-0.030
98.058	-0.031	98.079	-0.031	98.101	-0.032	98.141	-0.025
98.164	-0.029	98.197	-0.034	98.227	-0.030	98.260	-0.031
98.288	-0.031	98.318	-0.024	98.347	-0.020	98.376	-0.029
98.400	-0.029	98.411	-0.029	98.438	-0.022	98.458	-0.022
98.484	-0.019	98.502	-0.019	98.522	-0.019	98.536	-0.023
98.554	-0.028	98.576	-0.024	98.603	-0.025	98.622	-0.025
98.642	-0.029	98.664	-0.030	98.685	-0.030	98.711	-0.034
98.730	-0.035	98.754	-0.031	98.782	-0.027	98.799	-0.027
98.824	-0.027	98.852	-0.028	98.884	-0.028	98.904	-0.028
98.940	-0.024	98.964	-0.032	98.988	-0.032	99.019	-0.024
99.039	-0.024	99.070	-0.024	99.091	-0.024	99.114	-0.024
99.131	-0.024	99.147	-0.024	99.167	-0.024	99.192	-0.029

99.210	-0.029	99.231	-0.025	99.251	-0.025	99.270	-0.017
99.297	-0.021	99.323	-0.022	99.350	-0.018	99.368	-0.023
99.386	-0.023	99.400	-0.023	99.419	-0.023	99.448	-0.020
99.470	-0.028	99.491	-0.029	99.508	-0.029	99.528	-0.029
99.539	-0.030	99.555	-0.030	99.576	-0.022	99.593	-0.023
99.618	-0.031	99.639	-0.031	99.659	-0.032	99.683	-0.032
99.702	-0.040	99.722	-0.041	99.739	-0.037	99.757	-0.029
99.780	-0.030	99.795	-0.034	99.812	-0.034	99.829	-0.035
99.847	-0.035	99.861	-0.035	99.873	-0.035	99.893	-0.036
99.910	-0.036	99.923	-0.036	99.941	-0.032	99.954	-0.033
99.973	-0.033	99.997	-0.033	100.014	-0.033	100.030	-0.033
100.048	-0.033	100.063	-0.033	100.082	-0.034	100.101	-0.034
100.125	-0.034	100.144	-0.034	100.162	-0.034	100.179	-0.034
100.194	-0.034	100.214	-0.035	100.236	-0.031	100.252	-0.031
100.273	-0.031	100.292	-0.031	100.310	-0.032	100.330	-0.032
100.353	-0.032	100.378	-0.040	100.399	-0.040	100.423	-0.033
100.445	-0.033	100.467	-0.033	100.480	-0.033	100.498	-0.033
100.522	-0.041	100.543	-0.041	100.562	-0.040	100.579	-0.040
100.596	-0.036	100.611	-0.036	100.634	-0.035	100.657	-0.035
100.679	-0.035	100.698	-0.034	100.720	-0.034	100.740	-0.034
100.760	-0.033	100.776	-0.033	100.793	-0.029	100.816	-0.033
100.827	-0.037	100.846	-0.037	100.866	-0.036	100.891	-0.036
100.916	-0.032	100.940	-0.032	100.959	-0.028	100.980	-0.028
101.000	-0.028	101.019	-0.024	101.042	-0.024	101.067	-0.024
101.084	-0.024	101.105	-0.024	101.126	-0.024	101.153	-0.024
101.165	-0.024	101.171	-0.024	101.178	-0.024	101.188	-0.024
101.197	-0.024	101.206	-0.024				

IG107
71.019 2/9/71 0600PST PASADENA CALTECH ATHENAEUM NORTH

2482 POINTS 28.578 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1774 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.082	0.012	-0.116	0.030	-0.052	0.051	-0.009
0.061	-0.052	0.066	-0.073	0.079	-0.086	0.087	-0.065
0.097	-0.065	0.109	-0.065	0.124	-0.014	0.140	-0.077
0.162	-0.052	0.167	-0.090	0.176	-0.082	0.185	-0.090
0.198	-0.077	0.204	-0.116	0.220	-0.111	0.233	-0.065
0.252	-0.052	0.255	-0.052	0.267	-0.116	0.276	-0.060
0.283	-0.009	0.289	0.003	0.295	0.012	0.306	-0.031
0.318	-0.073	0.325	-0.099	0.347	-0.056	0.363	-0.005
0.366	-0.018	0.380	-0.043	0.391	-0.090	0.392	-0.090
0.404	-0.090	0.417	-0.048	0.440	-0.005	0.449	-0.018
0.459	-0.048	0.471	-0.073	0.474	-0.150	0.489	-0.141
0.493	-0.060	0.499	-0.043	0.509	-0.026	0.525	0.059
0.532	0.046	0.538	-0.001	0.551	-0.056	0.570	0.012
0.576	0.012	0.590	-0.069	0.600	-0.082	0.608	-0.099
0.618	-0.116	0.633	-0.086	0.640	-0.056	0.654	0.020
0.666	0.003	0.673	-0.005	0.680	-0.073	0.685	-0.099
0.703	-0.099	0.711	-0.065	0.724	-0.099	0.730	-0.086
0.749	-0.073	0.762	0.003	0.778	-0.073	0.792	0.020
0.804	0.029	0.813	-0.040	0.823	-0.044	0.842	-0.027
0.855	-0.061	0.867	-0.099	0.883	-0.112	0.895	-0.061
0.907	-0.053	0.917	-0.027	0.934	-0.053	0.946	-0.100
0.950	-0.108	0.960	-0.083	0.962	-0.057	0.976	-0.040
0.989	-0.045	1.005	-0.045	1.020	-0.070	1.027	-0.049
1.042	-0.045	1.053	-0.028	1.070	0.006	1.084	-0.002
1.091	-0.024	1.108	-0.032	1.115	-0.019	1.126	-0.007
1.142	-0.036	1.153	-0.049	1.163	-0.096	1.164	-0.113
1.180	-0.109	1.184	-0.062	1.193	0.010	1.207	0.066
1.223	0.023	1.245	-0.011	1.251	-0.070	1.267	-0.058
1.276	-0.045	1.289	-0.062	1.300	-0.028	1.318	-0.041
1.321	-0.058	1.334	-0.062	1.353	-0.041	1.363	-0.062
1.371	-0.062	1.376	-0.070	1.397	-0.096	1.410	-0.058
1.428	-0.062	1.440	-0.053	1.446	-0.066	1.456	-0.109
1.467	-0.087	1.469	-0.066	1.491	-0.011	1.504	0.015
1.519	0.010	1.523	0.002	1.541	-0.032	1.555	-0.066
1.568	-0.083	1.573	-0.096	1.596	-0.058	1.602	-0.062
1.624	-0.028	1.632	-0.041	1.649	0.035	1.668	-0.109
1.689	-0.011	1.699	-0.101	1.708	-0.126	1.718	-0.020
1.731	0.061	1.750	0.078	1.768	0.018	1.784	-0.003
1.795	-0.063	1.815	-0.114	1.823	-0.122	1.831	-0.054
1.843	-0.041	1.847	-0.024	1.852	-0.067	1.856	-0.075
1.866	0.018	1.881	0.035	1.888	-0.050	1.898	-0.029
1.911	-0.046	1.916	-0.054	1.928	-0.084	1.937	-0.105
1.949	-0.080	1.961	-0.050	1.970	0.010	1.985	0.005
1.992	-0.046	2.000	-0.058	2.010	-0.029	2.017	-0.007
2.035	-0.050	2.046	0.001	2.054	0.061	2.072	-0.071
2.092	-0.033	2.100	-0.050	2.120	-0.097	2.135	-0.097
2.144	-0.071	2.152	-0.046	2.163	0.005	2.176	-0.059
2.186	-0.059	2.206	-0.042	2.216	-0.050	2.232	-0.089
2.241	-0.089	2.261	-0.025	2.267	0.017	2.282	0.047
2.295	0.000	2.298	0.000	2.311	0.009	2.322	-0.076
2.331	-0.110	2.350	0.059	2.364	-0.000	2.379	-0.000
2.403	-0.038	2.410	0.004	2.422	0.046	2.443	0.004
2.452	-0.013	2.466	-0.073	2.474	-0.077	2.493	-0.043
2.506	-0.052	2.519	-0.047	2.526	-0.060	2.541	-0.090
2.553	-0.103	2.567	-0.099	2.572	-0.082	2.584	-0.056
2.590	-0.048	2.607	-0.018	2.618	-0.052	2.629	-0.039
2.650	0.008	2.663	-0.052	2.677	-0.090	2.687	-0.031
2.692	0.029	2.704	0.033	2.718	0.037	2.728	0.029
2.741	-0.026	2.758	-0.026	2.770	-0.090	2.777	-0.073
2.796	-0.022	2.800	-0.001	2.812	0.055	2.831	0.016
2.842	0.008	2.853	-0.009	2.856	-0.009	2.868	-0.026
2.889	-0.005	2.898	-0.073	2.900	-0.098	2.919	-0.115
2.926	0.004	2.938	0.064	2.952	0.017	2.959	-0.017
2.966	-0.085	2.976	-0.098	2.979	-0.098	2.995	-0.081
3.013	-0.021	3.030	-0.042	3.042	-0.059	3.045	-0.076
3.055	-0.119	3.058	-0.144	3.071	0.001	3.081	0.052
3.095	0.022	3.104	-0.016	3.110	-0.063	3.120	-0.101
3.135	-0.041	3.147	0.010	3.154	0.023	3.168	-0.028
3.183	0.027	3.207	-0.070	3.230	0.036	3.237	0.007
3.250	-0.061	3.261	-0.116	3.269	-0.142	3.286	-0.107
3.295	-0.073	3.309	-0.014	3.326	0.029	3.328	0.021
3.350	-0.060	3.363	-0.145	3.363	-0.162	3.382	0.004
3.390	0.047	3.402	0.021	3.415	0.047	3.428	0.060
3.440	0.056	3.450	0.043	3.458	0.014	3.467	0.009
3.479	-0.016	3.488	0.010	3.505	0.014	3.514	0.031
3.531	0.048	3.539	-0.015	3.548	-0.032	3.560	-0.057
3.573	-0.070	3.580	-0.112	3.586	-0.112	3.599	-0.027
3.615	0.015	3.623	0.058	3.635	0.062	3.654	-0.001
3.662	-0.035	3.671	-0.005	3.681	0.024	3.699	-0.022
3.718	0.067	3.732	-0.009	3.746	-0.103	3.772	-0.005
3.787	-0.009	3.798	-0.001	3.817	-0.107	3.822	-0.090
3.834	-0.026	3.849	-0.077	3.866	-0.030	3.880	0.004
3.902	-0.017	3.911	-0.021	3.926	-0.055	3.935	0.004
3.950	0.076	3.963	0.081	3.977	-0.030	3.985	-0.051
3.996	0.004	4.009	0.085	4.027	0.085	4.030	0.077
4.039	-0.051	4.047	-0.089	4.072	0.005	4.082	0.073
4.099	0.069	4.105	0.035	4.116	-0.012	4.137	0.056
4.153	0.018	4.158	0.005	4.179	-0.093	4.191	-0.076
4.201	-0.046	4.215	0.035	4.227	0.043	4.234	0.009
4.248	-0.093	4.267	-0.008	4.280	0.026	4.289	-0.042
4.293	-0.042	4.315	-0.008	4.326	-0.030	4.353	0.060
4.364	0.043	4.369	0.034	4.384	-0.055	4.399	-0.051
4.407	-0.043	4.418	0.017	4.428	-0.000	4.436	-0.077
4.445	-0.115	4.454	-0.094	4.468	-0.017	4.481	0.017
4.493	0.076	4.506	0.093	4.519	0.029	4.525	0.016
4.537	0.016	4.548	-0.013	4.557	-0.043	4.563	-0.060

4.572	-0.086	4.593	0.003	4.607	0.037	4.625	0.105
4.641	0.139	4.658	0.225	4.668	0.178	4.676	0.152
4.691	0.097	4.702	0.059	4.707	0.046	4.724	0.110
4.737	0.085	4.746	0.034	4.763	0.047	4.776	0.047
4.783	0.047	4.799	0.064	4.814	-0.059	4.824	-0.063
4.836	-0.075	4.846	-0.084	4.866	0.027	4.888	-0.028
4.903	-0.020	4.920	-0.049	4.921	-0.058	4.936	0.002
4.943	0.005	4.953	-0.091	4.961	-0.193	4.980	-0.027
4.993	-0.010	5.009	0.054	5.021	-0.039	5.029	-0.129
5.037	-0.171	5.047	-0.175	5.063	-0.132	5.077	-0.209
5.089	-0.081	5.100	-0.000	5.113	-0.098	5.129	-0.195
5.138	-0.331	5.147	-0.428	5.159	-0.577	5.178	-0.521
5.189	-0.381	5.202	-0.266	5.212	-0.134	5.221	-0.010
5.232	0.100	5.244	0.194	5.254	0.343	5.263	0.492
5.272	0.615	5.287	0.713	5.302	0.615	5.309	0.475
5.317	0.411	5.323	0.399	5.334	0.522	5.347	0.611
5.354	0.654	5.369	0.522	5.379	0.437	5.387	0.391
5.397	0.378	5.409	0.199	5.420	-0.043	5.431	-0.251
5.439	-0.387	5.453	-0.425	5.459	-0.429	5.479	-0.357
5.497	-0.450	5.502	-0.297	5.507	-0.123	5.511	0.073
5.522	0.217	5.533	0.090	5.544	-0.106	5.554	-0.212
5.566	-0.399	5.584	-0.424	5.584	-0.297	5.590	-0.233
5.598	0.021	5.604	0.106	5.611	0.085	5.618	0.008
5.625	-0.238	5.631	-0.277	5.648	-0.264	5.651	-0.158
5.664	0.020	5.677	0.092	5.683	0.049	5.687	-0.048
5.702	-0.214	5.707	-0.240	5.723	0.006	5.735	0.159
5.747	0.239	5.756	0.239	5.765	0.252	5.780	0.031
5.781	0.031	5.794	0.030	5.802	0.277	5.805	0.272
5.811	0.289	5.818	0.183	5.830	0.021	5.833	-0.017
5.841	0.026	5.851	0.183	5.858	0.200	5.867	0.229
5.885	0.165	5.893	-0.030	5.898	-0.149	5.914	-0.294
5.919	-0.133	5.925	-0.082	5.938	-0.082	5.947	-0.141
5.955	-0.235	5.963	-0.273	5.969	-0.290	5.977	-0.235
5.991	-0.116	6.004	-0.312	6.007	-0.389	6.016	-0.474
6.026	-0.419	6.046	-0.270	6.055	-0.228	6.063	0.036
6.075	0.180	6.082	0.252	6.089	0.150	6.096	0.107
6.112	0.082	6.122	0.180	6.131	0.324	6.138	0.520
6.148	0.656	6.156	0.469	6.164	0.175	6.168	0.103
6.179	0.018	6.195	0.103	6.209	0.129	6.221	0.269
6.232	0.333	6.244	0.218	6.253	0.031	6.256	-0.012
6.268	-0.296	6.280	-0.368	6.292	-0.424	6.297	-0.432
6.314	-0.462	6.318	-0.470	6.330	-0.326	6.336	-0.160
6.346	0.112	6.354	0.214	6.358	0.277	6.369	0.333
6.376	0.214	6.383	-0.024	6.391	-0.143	6.400	-0.224
6.408	-0.237	6.413	-0.216	6.422	-0.156	6.435	-0.054
6.442	0.001	6.452	0.086	6.459	0.031	6.468	-0.194
6.482	-0.364	6.484	-0.373	6.494	-0.296	6.502	-0.050
6.507	0.052	6.513	0.226	6.523	0.358	6.527	0.392
6.549	0.311	6.563	0.324	6.588	0.269	6.603	0.295
6.609	0.299	6.627	0.388	6.646	0.414	6.655	0.460
6.664	0.371	6.670	0.121	6.685	-0.058	6.687	-0.113
6.692	-0.096	6.702	-0.168	6.719	-0.138	6.724	-0.215
6.739	-0.457	6.750	-0.482	6.759	-0.508	6.775	-0.287
6.787	-0.108	6.795	0.087	6.812	0.164	6.818	0.074
6.833	0.019	6.841	0.070	6.854	0.143	6.863	0.036
6.873	-0.159	6.873	-0.172	6.881	-0.202	6.890	-0.142

6.899	-0.125	6.909	-0.210	6.924	-0.257	6.927	-0.261
6.936	-0.082	6.941	0.134	6.948	0.258	6.955	0.304
6.964	0.181	6.970	0.007	6.980	-0.069	6.987	-0.167
6.991	-0.261	6.995	-0.290	7.005	-0.469	7.011	-0.511
7.018	-0.549	7.029	-0.447	7.038	-0.282	7.049	-0.014
7.058	0.173	7.067	0.228	7.081	0.364	7.089	0.241
7.097	-0.077	7.106	-0.281	7.117	-0.341	7.123	-0.473
7.139	-0.545	7.142	-0.413	7.148	-0.235	7.155	-0.009
7.165	0.127	7.175	0.182	7.188	0.169	7.194	0.097
7.199	0.050	7.216	-0.014	7.220	-0.005	7.230	0.063
7.237	0.190	7.258	0.241	7.265	0.216	7.275	0.071
7.279	-0.094	7.288	-0.294	7.291	-0.388	7.298	-0.371
7.310	-0.303	7.323	-0.341	7.331	-0.311	7.341	-0.184
7.350	-0.188	7.364	-0.316	7.365	-0.256	7.373	-0.218
7.386	-0.210	7.392	-0.227	7.403	-0.159	7.411	-0.180
7.421	-0.354	7.426	-0.401	7.433	-0.397	7.435	-0.342
7.444	-0.112	7.450	0.092	7.456	0.156	7.463	0.274
7.469	0.389	7.477	0.512	7.490	0.585	7.499	0.465
7.508	0.427	7.517	0.363	7.531	0.185	7.534	0.142
7.542	0.189	7.548	0.193	7.557	0.087	7.562	0.053
7.575	-0.057	7.587	0.006	7.591	0.019	7.604	-0.007
7.607	-0.126	7.614	-0.211	7.617	-0.300	7.623	-0.342
7.638	-0.393	7.642	-0.470	7.648	-0.631	7.654	-0.840
7.659	-0.959	7.666	-1.035	7.680	-0.823	7.693	-0.594
7.704	-0.373	7.712	-0.211	7.719	0.009	7.729	0.226
7.735	0.409	7.745	0.549	7.754	0.579	7.770	0.506
7.785	0.553	7.795	0.680	7.809	0.824	7.824	0.850
7.837	0.879	7.849	0.811	7.855	0.705	7.863	0.629
7.869	0.535	7.881	0.365	7.894	0.216	7.900	0.182
7.913	0.220	7.927	0.322	7.934	0.246	7.943	0.029
7.953	-0.141	7.963	-0.239	7.973	-0.231	7.986	-0.103
7.998	-0.091	8.001	-0.137	8.014	-0.363	8.022	-0.427
8.032	-0.363	8.043	-0.223	8.055	-0.027	8.060	0.049
8.070	0.028	8.084	-0.108	8.086	-0.168	8.092	-0.351
8.099	-0.559	8.105	-0.682	8.112	-0.737	8.119	-0.589
8.125	-0.517	8.132	-0.436	8.140	-0.389	8.150	-0.402
8.159	-0.249	8.167	0.065	8.174	0.248	8.180	0.303
8.184	0.307	8.190	0.065	8.196	0.057	8.204	-0.181
8.207	-0.262	8.214	-0.322	8.217	-0.436	8.225	-0.517
8.232	-0.649	8.236	-0.746	8.239	-0.768	8.247	-0.776
8.254	-0.666	8.259	-0.530	8.265	-0.292	8.271	-0.058
8.276	0.218	8.283	0.383	8.290	0.490	8.307	0.519
8.317	0.507	8.333	0.532	8.344	0.447	8.352	0.345
8.356	0.234	8.372	0.132	8.386	0.005	8.392	-0.123
8.396	-0.186	8.406	-0.318	8.418	-0.314	8.430	-0.276
8.449	-0.199	8.455	-0.161	8.471	-0.106	8.486	-0.038
8.502	-0.055	8.509	-0.115	8.518	-0.144	8.525	-0.183
8.539	-0.421	8.549	-0.306	8.560	-0.017	8.575	0.102
8.596	-0.039	8.608	-0.069	8.618	0.033	8.633	0.199
8.648	0.262	8.664	0.406	8.677	0.334	8.684	0.257
8.693	0.219	8.706	0.142	8.718	0.261	8.728	0.372
8.735	0.367	8.751	0.308	8.764	0.303	8.775	0.222
8.791	0.290	8.808	0.303	8.820	0.383	8.828	0.128
8.835	-0.144	8.846	-0.318	8.860	-0.229	8.870	-0.238
8.884	-0.060	8.892	0.068	8.901	0.068	8.907	-0.000
8.916	-0.166	8.922	-0.336	8.931	-0.341	8.941	-0.150

8.949	-0.082	8.963	-0.035	8.967	-0.175	8.980	-0.286
8.992	-0.401	9.004	-0.282	9.015	-0.218	9.026	-0.180
9.038	-0.104	9.049	-0.019	9.050	-0.019	9.059	-0.100
9.065	-0.130	9.077	-0.152	9.084	-0.079	9.094	0.141
9.102	0.235	9.114	0.255	9.120	0.200	9.127	-0.008
9.135	-0.183	9.143	-0.310	9.158	-0.353	9.162	-0.319
9.177	-0.281	9.192	-0.286	9.201	-0.324	9.212	-0.350
9.227	-0.338	9.235	-0.300	9.246	-0.143	9.254	0.133
9.262	0.388	9.266	0.460	9.272	0.460	9.289	0.264
9.308	0.225	9.323	0.178	9.335	-0.001	9.341	-0.069
9.354	-0.180	9.357	-0.180	9.369	-0.028	9.384	0.159
9.397	0.277	9.405	0.332	9.423	0.328	9.436	0.217
9.442	0.161	9.456	-0.009	9.467	-0.056	9.467	-0.073
9.481	0.028	9.493	0.291	9.502	0.537	9.511	0.601
9.525	0.664	9.532	0.655	9.543	0.549	9.544	0.549
9.553	0.476	9.559	0.451	9.567	0.336	9.574	0.225
9.584	-0.005	9.590	-0.035	9.603	0.067	9.615	0.122
9.630	0.164	9.648	0.245	9.662	0.083	9.669	-0.121
9.681	-0.300	9.687	-0.287	9.694	-0.190	9.703	-0.016
9.717	0.090	9.735	0.166	9.742	0.136	9.750	-0.029
9.757	-0.191	9.763	-0.310	9.773	-0.429	9.785	-0.417
9.790	-0.374	9.800	-0.336	9.805	-0.413	9.816	-0.485
9.825	-0.392	9.835	-0.252	9.848	-0.146	9.861	-0.040
9.873	0.019	9.883	-0.006	9.887	-0.083	9.893	-0.164
9.900	-0.423	9.904	-0.538	9.912	-0.606	9.928	-0.466
9.944	-0.232	9.949	-0.156	9.961	0.018	9.972	-0.135
9.984	-0.169	10.008	-0.029	10.027	-0.187	10.034	-0.272
10.038	-0.374	10.045	-0.489	10.059	-0.604	10.076	-0.625
10.089	-0.477	10.102	-0.256	10.117	-0.125	10.132	-0.019
10.145	0.092	10.157	0.104	10.165	-0.011	10.172	-0.096
10.184	-0.096	10.196	0.074	10.204	0.172	10.213	0.299
10.229	0.452	10.238	0.566	10.251	0.579	10.259	0.524
10.278	0.472	10.284	0.459	10.292	0.451	10.308	0.506
10.314	0.476	10.326	0.298	10.329	0.246	10.346	0.017
10.365	-0.158	10.368	-0.166	10.380	-0.154	10.398	-0.302
10.410	-0.354	10.420	-0.286	10.429	-0.226	10.437	-0.222
10.452	-0.392	10.461	-0.388	10.463	-0.329	10.472	-0.180
10.484	-0.023	10.496	0.100	10.508	0.181	10.521	0.180
10.531	0.121	10.535	0.053	10.550	-0.015	10.562	-0.007
10.574	-0.007	10.592	0.090	10.599	0.090	10.619	0.086
10.627	0.149	10.631	0.158	10.641	0.069	10.648	-0.016
10.657	-0.216	10.668	-0.280	10.678	-0.280	10.691	-0.157
10.698	-0.021	10.706	0.034	10.719	0.021	10.736	-0.004
10.746	-0.119	10.760	-0.191	10.773	-0.187	10.782	-0.260
10.799	-0.476	10.802	-0.498	10.815	-0.527	10.828	-0.417
10.840	-0.362	10.845	-0.341	10.847	-0.345	10.848	-0.345
10.857	-0.417	10.862	-0.532	10.869	-0.642	10.877	-0.718
10.886	-0.773	10.890	-0.786	10.897	-0.764	10.911	-0.666
10.923	-0.504	10.934	-0.313	10.946	-0.125	10.954	-0.032
10.968	0.041	10.978	0.122	10.986	0.181	11.012	0.156
11.020	0.157	11.043	0.216	11.064	0.166	11.082	0.136
11.092	0.174	11.110	0.263	11.120	0.284	11.129	0.271
11.142	0.314	11.161	0.309	11.183	0.190	11.192	0.198
11.213	0.326	11.231	0.521	11.241	0.559	11.260	0.521
11.278	0.465	11.299	0.550	11.316	0.359	11.325	0.279
11.336	0.258	11.359	0.288	11.378	0.402	11.385	0.407

11.395	0.352	11.421	0.101	11.431	0.033	11.443	0.055
11.454	0.004	11.470	-0.039	11.479	-0.128	11.494	-0.281
11.503	-0.353	11.514	-0.412	11.523	-0.433	11.540	-0.391
11.549	-0.433	11.566	-0.603	11.575	-0.616	11.597	-0.560
11.611	-0.518	11.621	-0.420	11.633	-0.220	11.642	-0.216
11.651	-0.263	11.669	-0.237	11.684	-0.258	11.696	-0.237
11.706	-0.178	11.711	-0.008	11.720	0.111	11.726	0.184
11.736	0.230	11.746	0.248	11.756	0.188	11.764	0.039
11.770	-0.131	11.776	-0.207	11.783	-0.254	11.792	-0.228
11.804	-0.024	11.822	0.159	11.835	0.231	11.843	0.188
11.858	0.053	11.868	0.044	11.874	0.044	11.895	-0.053
11.901	-0.092	11.918	-0.087	11.926	-0.062	11.946	0.044
11.955	0.070	11.970	0.023	11.985	-0.002	11.991	-0.040
12.003	-0.155	12.021	-0.257	12.035	-0.299	12.043	-0.265
12.058	-0.172	12.066	-0.163	12.075	-0.176	12.091	-0.138
12.108	-0.261	12.116	-0.269	12.129	-0.231	12.148	-0.303
12.174	-0.180	12.197	-0.286	12.224	-0.226	12.246	0.037
12.254	0.059	12.262	0.025	12.288	-0.171	12.297	-0.205
12.318	-0.183	12.334	-0.204	12.346	-0.187	12.357	-0.221
12.366	-0.187	12.382	0.000	12.391	0.030	12.422	-0.034
12.443	-0.025	12.460	-0.059	12.492	0.137	12.504	0.196
12.517	0.218	12.537	0.333	12.546	0.354	12.553	0.316
12.568	0.244	12.594	0.185	12.609	0.164	12.634	0.224
12.662	0.012	12.671	-0.022	12.682	0.008	12.695	0.072
12.722	0.072	12.726	0.081	12.749	-0.123	12.760	-0.191
12.784	-0.216	12.799	-0.177	12.802	-0.109	12.818	0.069
12.837	0.069	12.856	0.082	12.867	-0.003	12.887	0.061
12.900	0.053	12.915	0.095	12.933	0.053	12.954	0.117
12.968	0.091	12.983	0.117	13.003	0.032	13.025	-0.079
13.034	-0.104	13.046	-0.053	13.063	0.023	13.070	0.036
13.086	-0.049	13.099	-0.104	13.111	-0.117	13.131	-0.113
13.140	-0.087	13.157	0.023	13.170	0.049	13.191	0.049
13.200	0.028	13.220	-0.074	13.231	-0.104	13.244	-0.091
13.253	-0.053	13.274	0.125	13.284	0.147	13.316	0.147
13.325	0.113	13.357	-0.044	13.368	-0.073	13.391	-0.027
13.408	-0.035	13.427	0.029	13.454	-0.043	13.475	-0.098
13.486	-0.162	13.495	-0.187	13.504	-0.157	13.523	0.013
13.533	0.043	13.545	0.056	13.566	-0.017	13.572	-0.016
13.597	0.124	13.607	0.145	13.622	0.107	13.648	0.120
13.658	0.116	13.679	0.091	13.699	-0.066	13.707	-0.113
13.717	-0.126	13.728	-0.100	13.744	-0.015	13.759	0.002
13.776	-0.023	13.801	-0.019	13.821	-0.099	13.832	-0.116
13.860	-0.116	13.870	-0.064	13.890	0.127	13.898	0.148
13.922	0.132	13.941	0.119	13.951	0.089	13.965	0.005
13.973	-0.016	13.990	-0.046	14.007	-0.097	14.015	-0.080
14.030	-0.033	14.044	-0.118	14.054	-0.130	14.071	-0.079
14.091	-0.053	14.105	-0.010	14.114	-0.023	14.127	-0.074
14.150	-0.230	14.164	-0.328	14.176	-0.374	14.209	-0.433
14.220	-0.408	14.239	-0.293	14.252	-0.267	14.267	-0.288
14.289	-0.377	14.301	-0.398	14.308	-0.360	14.338	-0.070
14.351	0.045	14.365	0.121	14.386	0.168	14.402	0.190
14.414	0.173	14.436	0.190	14.451	0.182	14.470	0.190
14.482	0.182	14.503	0.221	14.518	0.200	14.542	0.157
14.554	0.149	14.580	0.204	14.587	0.217	14.603	0.174
14.634	0.085	14.668	-0.021	14.687	-0.076	14.696	-0.081
14.714	-0.042	14.727	0.004	14.748	0.115	14.762	0.145

14.777	0.213	14.787	0.230	14.804	0.200	14.827	0.250
14.847	0.199	14.866	0.173	14.880	0.211	14.893	0.250
14.909	0.334	14.919	0.343	14.933	0.317	14.954	0.262
14.970	0.278	14.983	0.253	14.997	0.210	15.021	0.171
15.036	0.137	15.052	0.103	15.062	0.154	15.076	0.183
15.090	0.187	15.101	0.162	15.119	0.097	15.137	0.050
15.153	0.016	15.166	0.041	15.182	0.079	15.200	0.062
15.220	0.083	15.232	0.078	15.244	0.057	15.268	-0.007
15.280	-0.037	15.301	-0.029	15.319	-0.008	15.337	0.029
15.354	0.038	15.367	0.050	15.375	0.012	15.388	-0.035
15.401	-0.018	15.421	0.003	15.436	0.041	15.451	0.079
15.465	0.146	15.475	0.172	15.488	0.184	15.502	0.226
15.512	0.188	15.525	0.133	15.537	0.132	15.557	0.145
15.569	0.166	15.579	0.187	15.588	0.166	15.604	0.098
15.619	0.030	15.639	-0.026	15.654	-0.068	15.667	-0.102
15.682	-0.094	15.695	-0.102	15.716	-0.166	15.737	-0.238
15.751	-0.285	15.761	-0.264	15.778	-0.217	15.794	-0.178
15.803	-0.212	15.816	-0.229	15.829	-0.233	15.845	-0.208
15.863	-0.174	15.879	-0.131	15.893	-0.165	15.906	-0.131
15.924	-0.063	15.939	-0.021	15.950	-0.037	15.970	-0.046
15.991	-0.101	16.004	-0.114	16.020	-0.118	16.040	-0.182
16.064	-0.152	16.078	-0.135	16.095	-0.114	16.116	-0.178
16.128	-0.212	16.139	-0.190	16.161	-0.080	16.178	-0.055
16.203	-0.059	16.223	-0.068	16.241	-0.089	16.255	-0.085
16.278	-0.008	16.308	0.106	16.318	0.123	16.336	0.080
16.358	0.148	16.369	0.178	16.416	0.178	16.451	0.203
16.472	0.152	16.487	0.088	16.501	0.083	16.520	0.117
16.532	0.092	16.553	0.053	16.569	0.010	16.588	-0.036
16.606	-0.049	16.623	-0.024	16.641	0.031	16.650	0.065
16.666	0.052	16.680	0.031	16.701	0.073	16.713	0.047
16.739	-0.025	16.749	-0.051	16.761	-0.068	16.771	-0.038
16.784	-0.004	16.793	-0.038	16.810	-0.106	16.820	-0.144
16.828	-0.148	16.845	-0.114	16.859	-0.076	16.870	-0.063
16.884	-0.089	16.896	-0.076	16.911	-0.042	16.928	0.022
16.938	0.034	16.950	-0.004	16.960	-0.021	16.979	-0.017
16.993	-0.042	17.007	-0.051	17.022	-0.059	17.031	-0.085
17.044	-0.136	17.051	-0.153	17.064	-0.131	17.081	-0.080
17.091	-0.055	17.102	-0.088	17.112	-0.101	17.122	-0.088
17.131	-0.071	17.141	-0.063	17.150	-0.080	17.160	-0.105
17.172	-0.143	17.179	-0.181	17.186	-0.190	17.194	-0.160
17.205	-0.117	17.216	-0.092	17.225	-0.075	17.235	-0.058
17.245	-0.053	17.254	-0.066	17.269	-0.049	17.278	-0.028
17.286	-0.057	17.299	-0.083	17.309	-0.057	17.332	0.045
17.344	0.100	17.354	0.117	17.369	0.096	17.380	0.091
17.398	0.138	17.409	0.155	17.424	0.151	17.436	0.130
17.448	0.100	17.459	0.074	17.468	0.087	17.483	0.121
17.493	0.130	17.515	0.134	17.536	0.142	17.551	0.104
17.572	0.040	17.598	0.044	17.606	0.048	17.626	0.142
17.636	0.171	17.645	0.133	17.672	0.014	17.681	-0.025
17.699	-0.046	17.709	-0.038	17.731	-0.004	17.750	0.034
17.764	0.072	17.774	0.081	17.790	0.051	17.803	0.026
17.821	0.068	17.833	0.047	17.856	-0.013	17.875	-0.030
17.894	-0.047	17.914	-0.030	17.922	-0.039	17.938	-0.102
17.956	-0.124	17.973	-0.141	18.005	-0.158	18.022	-0.137
18.039	-0.103	18.059	-0.043	18.072	-0.010	18.084	-0.005
18.096	-0.027	18.112	-0.048	18.125	-0.022	18.148	0.007

18.158	-0.018	18.179	-0.065	18.203	-0.014	18.218	0.011
18.240	0.032	18.252	0.053	18.273	0.143	18.290	0.211
18.303	0.223	18.318	0.206	18.337	0.142	18.359	0.164
18.391	0.155	18.413	0.142	18.429	0.129	18.445	0.104
18.463	0.061	18.482	0.027	18.498	0.001	18.514	-0.041
18.526	-0.041	18.561	-0.033	18.577	-0.020	18.588	-0.033
18.606	-0.075	18.624	-0.092	18.640	-0.105	18.658	-0.063
18.667	-0.029	18.683	-0.029	18.696	-0.024	18.716	-0.007
18.734	0.014	18.756	0.031	18.780	0.061	18.795	0.095
18.811	0.133	18.820	0.124	18.840	0.086	18.856	0.082
18.871	0.052	18.882	0.078	18.899	0.112	18.913	0.154
18.925	0.175	18.935	0.158	18.954	0.141	18.971	0.107
18.989	0.112	19.004	0.082	19.018	0.039	19.033	0.010
19.049	-0.007	19.065	0.010	19.081	0.001	19.102	0.010
19.119	0.018	19.133	0.035	19.144	0.014	19.157	-0.037
19.173	-0.080	19.184	-0.080	19.197	-0.046	19.210	0.010
19.218	0.010	19.238	-0.007	19.259	-0.016	19.284	-0.033
19.301	-0.067	19.323	-0.029	19.340	-0.029	19.358	0.001
19.385	0.026	19.413	0.073	19.426	0.035	19.446	0.017
19.461	-0.012	19.474	0.009	19.489	0.026	19.514	-0.047
19.530	-0.021	19.546	0.013	19.565	0.021	19.588	-0.013
19.601	0.009	19.619	0.038	19.631	-0.017	19.647	-0.064
19.670	-0.085	19.681	-0.085	19.694	-0.025	19.703	-0.008
19.715	-0.051	19.733	-0.140	19.760	-0.166	19.773	-0.161
19.797	-0.089	19.807	-0.093	19.833	-0.123	19.851	-0.152
19.864	-0.199	19.880	-0.190	19.906	-0.148	19.937	-0.101
19.970	-0.028	19.993	0.015	20.014	-0.006	20.029	-0.023
20.053	-0.015	20.081	-0.023	20.113	0.011	20.125	0.002
20.147	0.028	20.170	-0.044	20.192	0.011	20.210	0.019
20.256	0.126	20.278	0.070	20.307	0.126	20.326	0.104
20.357	0.134	20.384	0.079	20.418	0.070	20.452	0.126
20.471	0.092	20.504	-0.057	20.523	-0.083	20.544	-0.057
20.562	-0.066	20.592	-0.095	20.625	-0.146	20.650	-0.218
20.667	-0.235	20.697	-0.201	20.727	-0.193	20.744	-0.180
20.769	-0.198	20.804	-0.211	20.827	-0.194	20.845	-0.118
20.873	-0.067	20.895	-0.008	20.916	0.059	20.942	0.059
20.960	0.067	20.991	0.152	21.013	0.156	21.034	0.126
21.054	0.113	21.076	0.172	21.104	0.116	21.119	0.094
21.145	0.157	21.163	0.157	21.186	0.105	21.207	0.121
21.216	0.147	21.217	0.142	21.218	0.138	21.219	0.134
21.219	0.130	21.220	0.130	21.226	0.117	21.230	0.100
21.234	0.082	21.241	0.074	21.247	0.065	21.254	0.052
21.259	0.048	21.262	0.043	21.268	0.039	21.275	0.030
21.278	0.026	21.282	0.021	21.287	0.017	21.291	0.017
21.295	0.017	21.297	0.017	21.300	0.017	21.303	0.017
21.307	0.016	21.310	0.012	21.314	0.008	21.320	0.003
21.325	-0.001	21.331	-0.001	21.335	-0.006	21.341	-0.006
21.347	-0.002	21.353	0.002	21.361	0.002	21.366	-0.003
21.372	-0.007	21.379	-0.008	21.390	0.000	21.396	0.008
21.404	0.016	21.410	0.029	21.416	0.032	21.422	0.036
21.429	0.036	21.437	0.031	21.444	0.039	21.450	0.047
21.456	0.050	21.465	0.046	21.469	0.041	21.474	0.036
21.483	0.044	21.490	0.048	21.495	0.064	21.502	0.072
21.508	0.080	21.516	0.080	21.522	0.084	21.529	0.079
21.538	0.070	21.546	0.061	21.553	0.047	21.561	0.030
21.575	-0.001	21.583	-0.018	21.592	-0.031	21.601	-0.027

21.607	-0.023	21.614	-0.023	21.620	-0.032	21.626	-0.040
21.633	-0.049	21.639	-0.062	21.644	-0.067	21.648	-0.079
21.653	-0.092	21.656	-0.097	21.663	-0.101	21.669	-0.101
21.677	-0.085	21.681	-0.072	21.688	-0.068	21.694	-0.068
21.703	-0.081	21.713	-0.090	21.719	-0.107	21.725	-0.124
21.733	-0.141	21.741	-0.159	21.749	-0.159	21.755	-0.151
21.765	-0.130	21.772	-0.117	21.783	-0.135	21.789	-0.147
21.797	-0.160	21.806	-0.169	21.811	-0.177	21.816	-0.185
21.819	-0.190	21.825	-0.202	21.832	-0.202	21.838	-0.198
21.843	-0.185	21.851	-0.164	21.857	-0.155	21.862	-0.151
21.868	-0.142	21.873	-0.134	21.881	-0.125	21.888	-0.117
21.894	-0.117	21.899	-0.116	21.908	-0.112	21.915	-0.120
21.923	-0.129	21.931	-0.133	21.938	-0.141	21.941	-0.154
21.950	-0.163	21.957	-0.167	21.963	-0.171	21.968	-0.175
21.973	-0.179	21.979	-0.175	21.985	-0.175	21.990	-0.175
21.996	-0.166	22.001	-0.145	22.010	-0.136	22.017	-0.128
22.023	-0.132	22.029	-0.128	22.036	-0.127	22.040	-0.132
22.052	-0.132	22.064	-0.097	22.077	-0.072	22.086	-0.046
22.090	-0.029	22.098	-0.016	22.105	0.005	22.108	-0.003
22.116	-0.016	22.120	-0.024	22.125	-0.033	22.131	-0.037
22.139	-0.033	22.150	-0.020	22.157	0.002	22.163	0.015
22.170	0.027	22.178	0.040	22.187	0.036	22.196	0.028
22.205	0.024	22.212	0.020	22.217	0.015	22.224	0.003
22.231	-0.001	22.239	-0.010	22.246	-0.014	22.256	-0.026
22.265	-0.035	22.271	-0.052	22.281	-0.064	22.294	-0.068
22.303	-0.077	22.314	-0.081	22.321	-0.089	22.328	-0.093
22.335	-0.098	22.339	-0.102	22.344	-0.106	22.351	-0.110
22.359	-0.110	22.367	-0.102	22.372	-0.097	22.379	-0.093
22.389	-0.076	22.397	-0.067	22.403	-0.063	22.409	-0.055
22.416	-0.050	22.424	-0.042	22.433	-0.046	22.441	-0.059
22.450	-0.076	22.454	-0.084	22.461	-0.075	22.469	-0.063
22.478	-0.037	22.486	-0.020	22.494	-0.011	22.504	-0.016
22.513	-0.020	22.521	-0.024	22.530	-0.032	22.538	-0.037
22.546	-0.041	22.553	-0.036	22.559	-0.036	22.566	-0.032
22.574	-0.024	22.578	-0.019	22.587	-0.006	22.595	-0.002
22.604	0.011	22.612	0.015	22.620	0.015	22.626	0.015
22.632	0.015	22.644	0.011	22.653	0.011	22.662	0.007
22.668	0.003	22.675	-0.010	22.681	-0.018	22.690	-0.027
22.698	-0.031	22.709	-0.022	22.720	-0.013	22.729	0.004
22.736	0.012	22.747	0.017	22.759	0.013	22.767	0.013
22.781	0.005	22.796	0.001	22.802	-0.003	22.810	-0.012
22.817	-0.007	22.829	-0.003	22.841	0.006	22.847	0.010
22.856	0.006	22.863	0.006	22.869	0.006	22.877	0.002
22.887	0.007	22.897	0.007	22.904	-0.001	22.910	-0.010
22.918	-0.022	22.928	-0.026	22.933	-0.026	22.938	-0.026
22.945	-0.022	22.953	-0.021	22.960	-0.013	22.968	0.000
22.974	0.009	22.984	0.022	22.992	0.039	22.998	0.048
23.005	0.052	23.014	0.052	23.022	0.040	23.032	0.019
23.037	0.010	23.043	-0.007	23.047	-0.015	23.055	-0.028
23.062	-0.027	23.074	-0.027	23.083	-0.019	23.090	-0.006
23.098	0.007	23.108	0.029	23.117	0.042	23.125	0.055
23.133	0.063	23.139	0.072	23.151	0.059	23.161	0.047
23.171	0.043	23.182	0.034	23.189	0.030	23.195	0.026
23.205	0.039	23.217	0.039	23.223	0.039	23.231	0.040
23.241	0.036	23.250	0.027	23.259	0.019	23.266	0.015
23.273	-0.002	23.282	-0.019	23.290	-0.036	23.297	-0.053

23.304	-0.061	23.313	-0.065	23.325	-0.052	23.339	-0.043
23.350	-0.060	23.357	-0.069	23.367	-0.090	23.375	-0.111
23.383	-0.119	23.392	-0.140	23.399	-0.153	23.408	-0.153
23.417	-0.148	23.425	-0.140	23.434	-0.122	23.446	-0.105
23.453	-0.092	23.459	-0.084	23.467	-0.084	23.476	-0.105
23.484	-0.126	23.492	-0.155	23.498	-0.168	23.504	-0.185
23.510	-0.202	23.515	-0.210	23.522	-0.219	23.531	-0.206
23.543	-0.193	23.555	-0.171	23.570	-0.158	23.579	-0.158
23.590	-0.137	23.599	-0.124	23.607	-0.124	23.617	-0.115
23.625	-0.102	23.631	-0.098	23.639	-0.098	23.646	-0.089
23.653	-0.081	23.664	-0.064	23.673	-0.055	23.682	-0.042
23.693	-0.034	23.703	-0.025	23.714	-0.021	23.724	-0.021
23.738	-0.038	23.747	-0.042	23.756	-0.020	23.767	-0.016
23.776	-0.003	23.785	0.005	23.795	0.014	23.801	0.022
23.811	0.027	23.822	0.023	23.834	0.023	23.841	0.023
23.847	0.023	23.854	0.023	23.861	0.023	23.868	0.023
23.876	0.023	23.882	0.023	23.888	0.019	23.897	0.023
23.907	0.027	23.915	0.044	23.927	0.061	23.936	0.074
23.950	0.078	23.958	0.074	23.967	0.057	23.977	0.040
23.988	0.023	23.994	0.015	24.009	0.023	24.022	0.040
24.037	0.045	24.047	0.049	24.062	0.053	24.075	0.058
24.087	0.062	24.098	0.066	24.113	0.058	24.128	0.053
24.137	0.041	24.149	0.033	24.158	0.033	24.166	0.033
24.176	0.029	24.186	0.037	24.196	0.037	24.205	0.029
24.214	0.025	24.225	0.038	24.239	0.059	24.251	0.068
24.260	0.051	24.273	0.034	24.283	0.017	24.292	0.005
24.299	-0.008	24.306	-0.012	24.313	-0.016	24.320	-0.029
24.326	-0.033	24.339	-0.020	24.348	-0.007	24.357	0.006
24.363	0.019	24.379	0.027	24.386	0.040	24.394	0.045
24.408	0.024	24.420	0.003	24.429	-0.014	24.437	-0.031
24.446	-0.047	24.454	-0.060	24.469	-0.068	24.476	-0.068
24.485	-0.068	24.496	-0.050	24.509	-0.033	24.520	-0.007
24.527	0.006	24.539	0.006	24.551	0.011	24.560	0.011
24.567	0.015	24.578	0.020	24.588	0.024	24.598	0.025
24.608	0.029	24.615	0.038	24.621	0.042	24.630	0.043
24.639	0.039	24.648	0.039	24.661	0.057	24.670	0.070
24.681	0.079	24.692	0.079	24.701	0.079	24.712	0.071
24.720	0.067	24.727	0.038	24.736	0.026	24.747	0.030
24.757	0.043	24.770	0.057	24.779	0.048	24.791	0.036
24.803	0.041	24.813	0.054	24.823	0.042	24.831	0.021
24.842	0.008	24.852	0.013	24.861	0.017	24.873	0.018
24.889	0.018	24.902	0.018	24.912	0.010	24.920	0.010
24.930	0.002	24.939	-0.002	24.949	0.003	24.958	0.011
24.967	0.020	24.977	0.020	24.987	0.016	24.995	0.004
25.003	-0.013	25.010	-0.030	25.016	-0.051	25.026	-0.063
25.039	-0.054	25.047	-0.029	25.057	-0.007	25.059	-0.003
25.067	-0.020	25.080	-0.028	25.092	-0.045	25.104	-0.036
25.119	-0.027	25.129	-0.027	25.139	-0.027	25.148	-0.023
25.161	-0.006	25.173	0.015	25.182	0.032	25.189	0.041
25.200	0.045	25.212	0.028	25.222	0.033	25.234	0.058
25.244	0.062	25.252	0.071	25.259	0.063	25.271	0.046
25.282	0.041	25.300	0.067	25.313	0.092	25.325	0.097
25.337	0.127	25.348	0.139	25.356	0.144	25.368	0.156
25.376	0.161	25.387	0.161	25.400	0.157	25.407	0.144
25.417	0.131	25.429	0.118	25.446	0.127	25.458	0.144
25.469	0.136	25.478	0.110	25.493	0.085	25.507	0.059

25.517	0.051	25.529	0.042	25.539	0.025	25.554	0.021
25.566	0.021	25.578	0.026	25.589	0.030	25.596	0.043
25.608	0.047	25.617	0.047	25.623	0.030	25.641	-0.012
25.649	-0.021	25.660	-0.033	25.669	-0.038	25.677	-0.042
25.686	-0.042	25.695	-0.029	25.705	-0.029	25.712	-0.041
25.719	-0.058	25.730	-0.075	25.745	-0.079	25.762	-0.079
25.774	-0.079	25.784	-0.075	25.794	-0.066	25.803	-0.058
25.816	-0.045	25.832	-0.045	25.849	-0.053	25.856	-0.078
25.870	-0.091	25.881	-0.082	25.891	-0.074	25.904	-0.061
25.914	-0.052	25.927	-0.040	25.940	-0.035	25.958	-0.031
25.969	-0.048	25.977	-0.065	25.986	-0.081	25.997	-0.081
26.006	-0.081	26.019	-0.068	26.035	-0.060	26.048	-0.060
26.059	-0.055	26.072	-0.055	26.087	-0.047	26.097	-0.029
26.107	-0.012	26.120	-0.008	26.134	0.001	26.147	0.018
26.161	0.039	26.172	0.044	26.185	0.048	26.200	0.053
26.215	0.057	26.227	0.044	26.242	0.040	26.256	0.041
26.268	0.045	26.278	0.045	26.290	0.071	26.303	0.075
26.312	0.067	26.324	0.059	26.333	0.055	26.340	0.055
26.352	0.042	26.359	0.030	26.371	0.047	26.382	0.055
26.392	0.073	26.400	0.064	26.413	0.052	26.421	0.052
26.433	0.065	26.443	0.052	26.454	0.031	26.465	0.019
26.477	0.019	26.486	0.015	26.497	0.006	26.504	-0.006
26.512	0.007	26.522	0.015	26.531	0.011	26.541	-0.014
26.552	-0.027	26.565	-0.043	26.577	-0.060	26.588	-0.060
26.599	-0.047	26.610	-0.026	26.619	-0.013	26.631	-0.004
26.643	0.008	26.652	0.009	26.662	0.013	26.673	0.021
26.686	0.022	26.701	0.030	26.713	0.035	26.722	0.039
26.732	0.047	26.747	0.048	26.760	0.031	26.771	0.005
26.782	-0.007	26.793	-0.016	26.811	-0.016	26.825	-0.016
26.836	-0.028	26.845	-0.041	26.855	-0.050	26.864	-0.054
26.881	-0.049	26.894	-0.045	26.905	-0.024	26.915	-0.011
26.923	0.002	26.938	0.015	26.945	0.032	26.954	0.040
26.966	0.036	26.976	0.015	26.984	-0.011	26.996	-0.028
27.011	-0.036	27.024	-0.040	27.036	-0.045	27.051	-0.028
27.063	-0.015	27.072	-0.010	27.082	-0.002	27.094	-0.006
27.101	-0.015	27.109	-0.032	27.116	-0.053	27.127	-0.074
27.136	-0.087	27.146	-0.091	27.156	-0.087	27.176	-0.078
27.182	-0.065	27.193	-0.057	27.207	-0.057	27.215	-0.061
27.222	-0.069	27.231	-0.078	27.243	-0.069	27.256	-0.065
27.268	-0.060	27.276	-0.047	27.283	-0.035	27.292	-0.026
27.301	-0.026	27.311	-0.047	27.325	-0.056	27.336	-0.055
27.355	-0.047	27.367	-0.017	27.375	-0.017	27.384	0.005
27.391	0.018	27.399	0.026	27.408	0.043	27.419	0.048
27.426	0.056	27.436	0.044	27.444	0.035	27.455	0.027
27.468	0.040	27.480	0.057	27.492	0.075	27.501	0.096
27.510	0.113	27.519	0.126	27.527	0.135	27.535	0.147
27.543	0.152	27.557	0.148	27.569	0.140	27.580	0.123
27.591	0.119	27.604	0.123	27.617	0.140	27.629	0.153
27.642	0.162	27.651	0.166	27.669	0.150	27.679	0.138
27.695	0.117	27.706	0.109	27.720	0.109	27.730	0.109
27.739	0.105	27.747	0.101	27.754	0.093	27.764	0.085
27.772	0.072	27.781	0.060	27.790	0.056	27.796	0.043
27.804	0.035	27.814	0.044	27.822	0.053	27.832	0.070
27.838	0.074	27.849	0.079	27.861	0.071	27.875	0.067
27.883	0.063	27.894	0.054	27.906	0.050	27.915	0.046
27.924	0.038	27.934	0.034	27.942	0.017	27.955	0.013

27.962	0.013	27.973	0.014	27.986	0.010	27.996	0.006
28.008	0.010	28.023	0.015	28.036	0.007	28.045	-0.006
28.054	-0.023	28.063	-0.035	28.075	-0.048	28.082	-0.060
28.092	-0.069	28.101	-0.068	28.112	-0.068	28.120	-0.060
28.128	-0.051	28.134	-0.038	28.142	-0.034	28.152	-0.021
28.161	-0.012	28.173	-0.021	28.183	-0.033	28.196	-0.042
28.204	-0.050	28.220	-0.037	28.235	-0.033	28.245	-0.016
28.255	-0.007	28.266	0.006	28.281	0.010	28.296	-0.002
28.301	-0.007	28.310	-0.015	28.321	-0.019	28.338	-0.015
28.347	-0.002	28.357	0.007	28.362	0.011	28.366	-0.002
28.372	-0.006	28.376	-0.023	28.382	-0.031	28.388	-0.031
28.393	-0.027	28.399	-0.031	28.404	-0.035	28.409	-0.039
28.413	-0.035	28.418	-0.022	28.422	-0.014	28.427	-0.005
28.433	0.003	28.436	-0.009	28.441	-0.018	28.445	-0.009
28.451	-0.005	28.456	0.004	28.460	0.012	28.465	0.025
28.471	0.021	28.474	0.025	28.482	0.030	28.490	0.030
28.495	0.030	28.501	0.025	28.507	0.013	28.517	0.017
28.520	0.021	28.525	0.039	28.532	0.047	28.536	0.039
28.540	0.039	28.544	0.039	28.549	0.043	28.555	0.056
28.559	0.056	28.563	0.077	28.567	0.086	28.570	0.086
28.574	0.086	28.578	0.082				

IG107
71.019 2/9/71 0600PST PASADENA CALTECH ATHENAEUM EAST

1783 POINTS 28.591 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2217 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.018	0.028	-0.015	0.047	0.014	0.068	-0.019
0.087	-0.019	0.112	-0.065	0.131	-0.036	0.158	0.002
0.170	-0.019	0.187	0.014	0.204	-0.032	0.226	0.006
0.242	0.006	0.268	-0.028	0.283	-0.003	0.310	0.031
0.335	0.010	0.354	-0.015	0.365	-0.040	0.382	-0.032
0.403	-0.103	0.432	-0.003	0.447	-0.007	0.466	0.018
0.482	0.002	0.496	0.018	0.509	-0.003	0.529	0.064
0.548	-0.003	0.567	-0.032	0.586	-0.061	0.604	-0.065
0.624	-0.011	0.642	-0.078	0.664	-0.028	0.697	-0.032
0.724	0.018	0.747	0.010	0.769	0.064	0.787	0.039
0.800	0.010	0.822	0.047	0.839	-0.007	0.861	-0.058
0.876	-0.091	0.901	-0.054	0.923	-0.020	0.943	-0.012
0.963	0.046	0.983	0.105	0.999	0.050	1.017	-0.029
1.040	-0.042	1.059	-0.054	1.091	0.008	1.107	-0.025
1.126	0.025	1.146	-0.012	1.173	-0.033	1.188	-0.038
1.213	0.004	1.231	-0.038	1.255	0.000	1.282	-0.042
1.308	-0.021	1.334	0.008	1.358	-0.063	1.382	0.008
1.395	-0.025	1.416	0.025	1.438	0.063	1.450	0.038
1.468	0.075	1.488	-0.012	1.510	0.021	1.532	0.042
1.556	-0.017	1.578	-0.025	1.592	-0.050	1.616	-0.017
1.635	-0.050	1.661	-0.092	1.687	-0.009	1.708	-0.051
1.728	0.008	1.749	0.058	1.767	0.024	1.787	0.041
1.811	-0.030	1.838	0.003	1.860	-0.063	1.900	0.029
1.922	-0.030	1.942	-0.026	1.970	-0.038	1.991	-0.017
2.009	-0.005	2.034	-0.042	2.056	-0.001	2.080	0.070
2.101	-0.013	2.127	-0.030	2.152	-0.026	2.174	-0.014
2.199	-0.060	2.223	-0.022	2.238	0.024	2.256	-0.014
2.277	0.040	2.301	-0.006	2.325	-0.002	2.351	0.040
2.390	-0.086	2.420	0.015	2.440	0.006	2.459	0.006
2.477	-0.057	2.507	-0.011	2.534	-0.057	2.566	-0.032
2.581	-0.003	2.605	0.052	2.628	-0.011	2.654	-0.003
2.673	-0.086	2.693	-0.065	2.708	-0.078	2.735	0.001
2.756	0.085	2.792	0.106	2.809	0.056	2.824	0.014
2.846	0.019	2.875	-0.086	2.908	-0.044	2.923	-0.086
2.950	-0.031	2.972	-0.064	2.992	-0.018	3.015	0.015
3.034	0.090	3.064	-0.014	3.081	0.061	3.103	0.091
3.120	0.175	3.143	-0.013	3.161	-0.075	3.195	0.034
3.218	0.013	3.248	0.043	3.268	-0.032	3.294	-0.040
3.318	-0.057	3.349	0.040	3.374	-0.027	3.414	0.028
3.446	0.020	3.467	-0.030	3.489	0.012	3.513	-0.034
3.531	0.046	3.558	0.063	3.583	0.005	3.606	-0.045
3.627	-0.003	3.645	0.014	3.664	-0.036	3.693	-0.015
3.710	-0.044	3.731	0.022	3.751	-0.044	3.773	-0.036
3.794	0.052	3.813	0.065	3.833	0.094	3.850	0.019
3.878	0.111	3.898	0.073	3.915	-0.006	3.935	-0.048
3.969	0.053	3.991	0.015	4.008	-0.031	4.028	-0.010
4.046	-0.072	4.075	-0.118	4.091	-0.051	4.106	0.011
4.140	-0.005	4.161	-0.009	4.174	-0.060	4.186	-0.043
4.210	-0.051	4.227	0.011	4.253	-0.022	4.269	0.028
4.285	0.061	4.306	0.128	4.326	0.078	4.341	0.040
4.360	0.107	4.374	0.044	4.387	-0.002	4.405	-0.014
4.433	0.015	4.452	-0.019	4.470	-0.044	4.479	-0.065
4.497	-0.044	4.519	-0.103	4.544	-0.065	4.560	-0.069
4.588	0.035	4.608	0.027	4.622	0.027	4.644	0.052
4.665	0.014	4.680	0.060	4.701	0.048	4.714	0.061
4.729	0.090	4.745	0.036	4.756	-0.002	4.782	-0.114
4.797	-0.089	4.817	-0.185	4.835	-0.176	4.849	-0.168
4.862	-0.067	4.875	0.041	4.893	0.100	4.922	0.025
4.933	0.117	4.953	0.218	4.975	0.126	4.989	0.026
5.009	-0.024	5.026	-0.090	5.040	-0.178	5.074	-0.257
5.092	-0.156	5.108	-0.048	5.130	-0.101	5.142	-0.176
5.162	-0.214	5.180	-0.247	5.197	-0.167	5.218	-0.129
5.239	-0.162	5.262	-0.278	5.288	-0.161	5.305	-0.023
5.320	0.182	5.335	0.458	5.343	0.629	5.353	0.767
5.377	0.876	5.402	0.830	5.426	0.583	5.441	0.366
5.460	0.099	5.484	0.157	5.509	-0.014	5.527	-0.189
5.544	-0.440	5.568	-0.582	5.586	-0.431	5.597	-0.227
5.615	-0.018	5.641	-0.236	5.662	-0.228	5.681	-0.379
5.704	-0.538	5.721	-0.346	5.736	-0.071	5.748	0.042
5.765	0.171	5.779	0.254	5.803	0.091	5.830	0.341
5.845	0.387	5.864	0.232	5.875	0.032	5.887	-0.098
5.901	-0.207	5.917	-0.303	5.931	-0.349	5.947	-0.425
5.967	-0.291	5.977	-0.216	5.990	-0.166	6.003	-0.141
6.018	-0.167	6.040	0.000	6.055	0.150	6.073	0.276
6.086	0.167	6.099	0.058	6.111	0.050	6.125	0.050
6.145	0.083	6.158	0.041	6.168	0.008	6.183	0.146
6.191	0.254	6.201	0.384	6.214	0.438	6.233	0.547
6.242	0.555	6.264	0.392	6.274	0.171	6.285	-0.034
6.295	-0.151	6.304	-0.280	6.316	-0.427	6.331	-0.481
6.353	-0.573	6.367	-0.636	6.379	-0.594	6.396	-0.335
6.409	-0.130	6.422	0.037	6.433	0.221	6.445	0.317
6.456	0.359	6.473	0.313	6.487	0.309	6.502	0.046
6.509	-0.143	6.530	-0.481	6.542	-0.636	6.551	-0.744
6.563	-0.799	6.579	-0.690	6.588	-0.498	6.599	-0.251
6.606	-0.000	6.617	0.209	6.629	0.405	6.641	0.539
6.654	0.623	6.665	0.577	6.674	0.614	6.683	0.589
6.700	0.619	6.715	0.694	6.731	0.556	6.745	0.309
6.759	0.134	6.770	0.122	6.786	-0.092	6.798	-0.284
6.803	-0.338	6.821	-0.346	6.839	-0.208	6.847	-0.050
6.860	0.114	6.871	0.205	6.883	0.247	6.903	0.101
6.916	-0.037	6.931	-0.070	6.940	0.022	6.946	0.139
6.955	0.177	6.972	0.005	6.983	-0.141	6.996	-0.237
7.012	-0.116	7.027	-0.024	7.041	0.047	7.051	0.081
7.064	-0.007	7.077	-0.061	7.087	-0.082	7.103	0.043
7.109	0.152	7.123	0.231	7.138	0.181	7.148	0.144
7.160	-0.023	7.173	-0.274	7.184	-0.483	7.196	-0.688

7.210	-0.830	7.221	-0.705	7.234	-0.400	7.239	-0.320
7.255	-0.216	7.273	-0.274	7.284	-0.374	7.293	-0.441
7.307	-0.425	7.317	-0.412	7.323	-0.316	7.337	-0.253
7.347	-0.304	7.352	-0.345	7.365	-0.366	7.375	-0.379
7.387	-0.433	7.402	-0.479	7.419	-0.626	7.435	-0.534
7.442	-0.459	7.451	-0.354	7.464	-0.053	7.471	0.155
7.480	0.356	7.487	0.444	7.496	0.494	7.505	0.569
7.517	0.648	7.530	0.540	7.549	0.339	7.566	0.485
7.573	0.611	7.579	0.686	7.594	0.798	7.610	0.560
7.623	0.234	7.633	-0.008	7.649	-0.435	7.656	-0.543
7.671	-0.627	7.682	-0.702	7.694	-0.803	7.706	-0.828
7.721	-0.824	7.731	-0.832	7.744	-0.728	7.754	-0.619
7.767	-0.515	7.776	-0.398	7.789	-0.248	7.803	-0.068
7.815	0.107	7.827	0.349	7.843	0.625	7.854	0.755
7.862	0.871	7.873	0.984	7.881	1.076	7.894	1.139
7.908	1.105	7.919	1.034	7.936	1.038	7.954	1.084
7.968	1.054	7.976	1.029	7.989	1.042	8.004	0.937
8.017	0.803	8.036	0.469	8.064	0.134	8.081	0.034
8.093	-0.071	8.104	-0.154	8.113	-0.238	8.124	-0.251
8.131	-0.301	8.142	-0.338	8.151	-0.405	8.158	-0.476
8.169	-0.510	8.183	-0.406	8.193	-0.309	8.201	-0.238
8.209	-0.180	8.220	-0.147	8.230	-0.142	8.239	-0.180
8.253	-0.214	8.259	-0.268	8.271	-0.314	8.283	-0.222
8.292	-0.113	8.300	-0.005	8.309	0.083	8.315	0.145
8.331	0.254	8.342	0.229	8.351	0.150	8.360	-0.022
8.369	-0.126	8.373	-0.202	8.393	-0.310	8.406	-0.110
8.415	0.049	8.422	0.166	8.430	0.270	8.448	0.433
8.458	0.458	8.475	0.170	8.492	-0.286	8.506	-0.507
8.518	-0.532	8.528	-0.637	8.542	-0.691	8.554	-0.474
8.568	-0.303	8.585	-0.324	8.598	-0.441	8.615	-0.308
8.627	-0.182	8.636	-0.157	8.648	0.005	8.662	0.110
8.678	0.143	8.692	0.214	8.703	0.209	8.716	0.310
8.722	0.393	8.735	0.431	8.744	0.506	8.764	0.597
8.783	0.747	8.798	0.814	8.818	0.885	8.834	0.684
8.846	0.488	8.855	0.412	8.865	0.358	8.881	0.420
8.888	0.533	8.896	0.642	8.907	0.683	8.922	0.558
8.933	0.386	8.939	0.286	8.950	0.194	8.963	0.168
8.980	-0.028	8.990	-0.179	9.003	-0.304	9.018	-0.380
9.035	-0.443	9.049	-0.514	9.063	-0.598	9.077	-0.728
9.089	-0.832	9.098	-0.883	9.114	-0.699	9.127	-0.348
9.133	-0.110	9.144	0.011	9.158	0.073	9.180	-0.040
9.193	-0.158	9.209	-0.258	9.226	-0.196	9.242	-0.038
9.267	0.066	9.282	0.045	9.296	0.015	9.310	0.035
9.323	0.064	9.341	-0.041	9.354	-0.137	9.367	-0.163
9.387	-0.122	9.401	-0.076	9.417	-0.014	9.432	0.032
9.449	-0.044	9.464	-0.216	9.482	-0.388	9.500	-0.272
9.511	-0.184	9.530	-0.130	9.543	-0.143	9.558	-0.244
9.568	-0.315	9.581	-0.387	9.598	-0.304	9.611	-0.179
9.622	-0.087	9.636	-0.037	9.648	0.009	9.656	0.079
9.667	0.142	9.682	0.150	9.697	0.288	9.706	0.429
9.719	0.546	9.741	0.571	9.753	0.604	9.778	0.537
9.794	0.520	9.809	0.423	9.822	0.344	9.839	0.394
9.857	0.498	9.876	0.560	9.891	0.522	9.904	0.338
9.918	0.075	9.928	-0.067	9.941	-0.147	9.948	-0.034
9.956	-0.068	9.969	0.015	9.987	0.036	10.006	0.103
10.018	0.140	10.034	0.156	10.045	0.169	10.061	0.206

10.077	0.039	10.088	-0.066	10.099	-0.137	10.111	-0.137
10.130	-0.100	10.148	-0.184	10.161	-0.431	10.172	-0.594
10.179	-0.682	10.188	-0.736	10.201	-0.744	10.218	-0.607
10.224	-0.481	10.245	-0.335	10.265	-0.269	10.282	-0.135
10.292	-0.031	10.306	0.090	10.315	0.148	10.331	0.169
10.347	0.110	10.360	0.056	10.374	0.031	10.391	0.056
10.405	0.076	10.413	0.055	10.427	0.118	10.442	0.168
10.461	0.289	10.481	0.401	10.492	0.430	10.505	0.460
10.513	0.455	10.525	0.468	10.542	0.421	10.556	0.425
10.571	0.438	10.582	0.400	10.596	0.379	10.609	0.287
10.619	0.174	10.628	0.023	10.640	-0.102	10.655	-0.194
10.666	-0.278	10.680	-0.336	10.702	-0.207	10.712	-0.094
10.727	-0.040	10.751	-0.036	10.766	0.060	10.775	0.135
10.782	0.164	10.801	0.194	10.824	0.127	10.842	0.222
10.864	0.398	10.870	0.377	10.882	0.298	10.893	0.232
10.902	0.174	10.922	0.128	10.936	0.100	10.947	0.037
10.956	-0.025	10.966	-0.067	10.975	-0.083	10.981	-0.079
10.988	-0.041	11.003	0.105	11.014	0.198	11.024	0.239
11.032	0.273	11.040	0.282	11.047	0.290	11.054	0.261
11.065	0.161	11.074	0.060	11.081	-0.007	11.089	-0.040
11.100	-0.078	11.109	-0.111	11.118	-0.158	11.125	-0.212
11.136	-0.291	11.143	-0.346	11.152	-0.388	11.161	-0.425
11.173	-0.455	11.182	-0.463	11.188	-0.426	11.199	-0.350
11.206	-0.300	11.211	-0.275	11.227	-0.259	11.236	-0.238
11.245	-0.238	11.251	-0.255	11.262	-0.301	11.269	-0.343
11.275	-0.401	11.281	-0.443	11.287	-0.472	11.293	-0.502
11.298	-0.506	11.305	-0.485	11.319	-0.426	11.326	-0.393
11.331	-0.347	11.338	-0.271	11.344	-0.217	11.350	-0.167
11.355	-0.125	11.364	-0.108	11.371	-0.083	11.379	-0.024
11.388	0.009	11.402	0.068	11.412	0.114	11.418	0.143
11.423	0.156	11.431	0.127	11.439	0.072	11.447	0.026
11.453	-0.007	11.459	-0.011	11.471	0.035	11.479	0.073
11.485	0.098	11.493	0.102	11.500	0.077	11.507	0.044
11.514	-0.027	11.522	-0.115	11.528	-0.174	11.534	-0.219
11.548	-0.236	11.558	-0.236	11.567	-0.244	11.574	-0.274
11.583	-0.307	11.608	-0.436	11.617	-0.478	11.625	-0.503
11.632	-0.516	11.640	-0.503	11.651	-0.486	11.664	-0.474
11.679	-0.474	11.693	-0.474	11.703	-0.486	11.712	-0.448
11.727	-0.402	11.740	-0.386	11.750	-0.398	11.764	-0.444
11.775	-0.511	11.780	-0.561	11.786	-0.578	11.792	-0.557
11.804	-0.473	11.825	-0.318	11.840	-0.235	11.854	-0.180
11.863	-0.155	11.874	-0.155	11.881	-0.113	11.892	-0.051
11.903	0.045	11.911	0.108	11.921	0.142	11.933	0.163
11.941	0.184	11.950	0.213	11.958	0.230	11.965	0.217
11.972	0.171	11.982	0.071	11.987	0.021	11.995	-0.013
12.004	-0.029	12.011	-0.017	12.026	0.021	12.038	0.084
12.046	0.138	12.055	0.205	12.062	0.247	12.069	0.272
12.079	0.251	12.090	0.213	12.098	0.222	12.113	0.251
12.123	0.264	12.147	0.251	12.155	0.264	12.167	0.276
12.176	0.256	12.190	0.201	12.204	0.130	12.216	0.055
12.223	-0.007	12.231	-0.087	12.240	-0.133	12.247	-0.145
12.259	-0.128	12.269	-0.133	12.278	-0.170	12.287	-0.241
12.295	-0.262	12.301	-0.233	12.313	-0.170	12.321	-0.141
12.332	-0.153	12.343	-0.157	12.356	-0.128	12.365	-0.098
12.379	-0.036	12.389	-0.006	12.399	0.015	12.408	0.006
12.417	-0.031	12.428	-0.106	12.435	-0.161	12.444	-0.206

12.451	-0.194	12.466	-0.144	12.475	-0.123	12.488	-0.110
12.498	-0.064	12.510	-0.001	12.517	0.032	12.525	0.028
12.545	-0.001	12.560	-0.034	12.569	-0.067	12.577	-0.113
12.587	-0.209	12.595	-0.280	12.602	-0.322	12.616	-0.363
12.631	-0.388	12.639	-0.367	12.663	-0.262	12.675	-0.224
12.687	-0.216	12.697	-0.224	12.704	-0.249	12.715	-0.316
12.723	-0.341	12.733	-0.357	12.739	-0.399	12.751	-0.466
12.761	-0.495	12.768	-0.524	12.775	-0.532	12.785	-0.498
12.799	-0.402	12.818	-0.277	12.829	-0.201	12.836	-0.130
12.847	-0.068	12.853	-0.038	12.859	-0.022	12.872	-0.059
12.878	-0.093	12.888	-0.063	12.909	0.054	12.923	0.125
12.935	0.167	12.945	0.192	12.958	0.250	12.966	0.284
12.979	0.280	12.990	0.271	13.003	0.292	13.016	0.326
13.027	0.313	13.038	0.297	13.047	0.322	13.055	0.389
13.070	0.472	13.079	0.522	13.090	0.552	13.104	0.560
13.118	0.589	13.131	0.614	13.141	0.627	13.153	0.623
13.164	0.585	13.175	0.547	13.185	0.497	13.194	0.472
13.207	0.443	13.219	0.397	13.229	0.351	13.237	0.330
13.247	0.338	13.261	0.355	13.273	0.364	13.282	0.339
13.295	0.293	13.307	0.239	13.318	0.176	13.332	0.147
13.344	0.122	13.354	0.076	13.360	0.009	13.371	-0.078
13.379	-0.120	13.386	-0.158	13.399	-0.204	13.408	-0.254
13.420	-0.329	13.433	-0.400	13.449	-0.462	13.461	-0.516
13.469	-0.533	13.478	-0.521	13.492	-0.504	13.501	-0.516
13.517	-0.533	13.525	-0.508	13.540	-0.436	13.555	-0.365
13.579	-0.277	13.594	-0.219	13.610	-0.173	13.626	-0.126
13.643	-0.072	13.658	-0.013	13.671	0.070	13.681	0.141
13.691	0.175	13.700	0.192	13.709	0.179	13.719	0.150
13.729	0.096	13.739	0.083	13.750	0.104	13.765	0.159
13.778	0.201	13.786	0.222	13.799	0.247	13.808	0.276
13.821	0.323	13.828	0.348	13.837	0.352	13.850	0.352
13.856	0.336	13.863	0.319	13.869	0.294	13.879	0.261
13.888	0.273	13.900	0.298	13.908	0.299	13.918	0.274
13.937	0.207	13.948	0.178	13.966	0.141	13.973	0.136
13.985	0.157	14.000	0.187	14.030	0.191	14.043	0.187
14.055	0.146	14.067	0.121	14.108	0.113	14.140	0.101
14.155	0.089	14.174	0.048	14.190	0.023	14.202	0.002
14.213	-0.044	14.222	-0.077	14.238	-0.102	14.248	-0.122
14.257	-0.172	14.267	-0.231	14.280	-0.314	14.290	-0.368
14.296	-0.406	14.304	-0.431	14.313	-0.443	14.326	-0.431
14.347	-0.372	14.359	-0.342	14.380	-0.325	14.390	-0.304
14.402	-0.233	14.427	-0.112	14.443	-0.049	14.452	-0.020
14.467	-0.003	14.497	0.031	14.525	0.069	14.547	0.099
14.567	0.115	14.591	0.128	14.603	0.149	14.622	0.186
14.634	0.195	14.643	0.178	14.654	0.149	14.667	0.136
14.674	0.136	14.693	0.115	14.713	0.103	14.726	0.090
14.738	0.069	14.744	0.032	14.757	-0.023	14.766	-0.064
14.772	-0.098	14.780	-0.094	14.799	-0.094	14.808	-0.086
14.817	-0.090	14.831	-0.107	14.843	-0.103	14.858	-0.095
14.873	-0.091	14.883	-0.078	14.897	-0.062	14.906	-0.058
14.910	-0.070	14.922	-0.091	14.932	-0.108	14.947	-0.108
14.982	-0.109	14.998	-0.096	15.019	-0.063	15.037	-0.042
15.053	-0.018	15.065	0.028	15.088	0.136	15.100	0.195
15.110	0.211	15.141	0.206	15.157	0.219	15.177	0.252
15.189	0.268	15.203	0.247	15.220	0.205	15.229	0.188
15.252	0.200	15.261	0.183	15.275	0.141	15.296	0.061

15.312	0.002	15.322	-0.010	15.345	-0.007	15.360	-0.019
15.375	-0.049	15.385	-0.082	15.394	-0.129	15.403	-0.154
15.415	-0.162	15.427	-0.154	15.452	-0.092	15.466	-0.055
15.476	-0.042	15.484	-0.067	15.503	-0.089	15.509	-0.089
15.517	-0.064	15.529	-0.018	15.546	0.044	15.555	0.069
15.563	0.069	15.576	0.048	15.595	0.015	15.609	0.002
15.619	-0.015	15.636	-0.090	15.646	-0.111	15.658	-0.128
15.677	-0.148	15.686	-0.140	15.704	-0.115	15.715	-0.098
15.734	-0.119	15.746	-0.102	15.770	-0.011	15.782	0.006
15.803	0.019	15.822	0.048	15.832	0.048	15.859	0.011
15.881	-0.006	15.887	-0.039	15.905	-0.106	15.916	-0.135
15.925	-0.127	15.937	-0.106	15.966	-0.001	16.000	0.154
16.026	0.287	16.042	0.325	16.056	0.346	16.066	0.346
16.075	0.325	16.088	0.275	16.097	0.262	16.119	0.275
16.128	0.258	16.145	0.216	16.171	0.174	16.186	0.120
16.200	0.111	16.239	0.103	16.248	0.086	16.269	0.057
16.292	0.048	16.310	0.052	16.330	0.069	16.352	0.089
16.367	0.127	16.376	0.135	16.387	0.118	16.400	0.110
16.411	0.122	16.430	0.168	16.440	0.193	16.450	0.189
16.490	0.189	16.517	0.205	16.528	0.205	16.538	0.192
16.560	0.129	16.580	0.062	16.596	-0.005	16.609	-0.067
16.619	-0.101	16.628	-0.122	16.662	-0.156	16.682	-0.172
16.698	-0.202	16.717	-0.231	16.736	-0.261	16.754	-0.278
16.765	-0.286	16.791	-0.299	16.802	-0.315	16.821	-0.370
16.831	-0.399	16.844	-0.428	16.855	-0.424	16.874	-0.399
16.888	-0.382	16.899	-0.370	16.918	-0.378	16.929	-0.361
16.948	-0.315	16.961	-0.286	16.981	-0.219	16.996	-0.186
17.009	-0.161	17.026	-0.140	17.037	-0.123	17.059	-0.106
17.074	-0.081	17.088	-0.047	17.099	-0.027	17.115	-0.022
17.127	-0.022	17.147	0.024	17.165	0.045	17.178	0.054
17.195	0.062	17.209	0.096	17.229	0.129	17.243	0.138
17.259	0.125	17.278	0.105	17.300	0.071	17.316	0.042
17.330	0.042	17.349	0.071	17.372	0.050	17.388	0.054
17.400	0.096	17.419	0.155	17.427	0.188	17.441	0.188
17.454	0.167	17.476	0.138	17.490	0.096	17.501	0.084
17.516	0.096	17.533	0.138	17.542	0.155	17.551	0.154
17.563	0.146	17.582	0.091	17.599	0.045	17.614	0.003
17.628	-0.051	17.637	-0.072	17.673	-0.089	17.678	-0.118
17.698	-0.173	17.708	-0.198	17.724	-0.206	17.737	-0.194
17.758	-0.177	17.778	-0.169	17.792	-0.152	17.803	-0.127
17.816	-0.094	17.825	-0.073	17.836	-0.061	17.872	-0.061
17.888	-0.082	17.896	-0.090	17.913	-0.099	17.921	-0.111
17.930	-0.132	17.938	-0.157	17.948	-0.174	17.960	-0.166
17.983	-0.103	18.000	-0.057	18.017	-0.024	18.038	0.001
18.054	0.009	18.065	0.039	18.085	0.080	18.095	0.101
18.115	0.110	18.133	0.114	18.147	0.126	18.166	0.139
18.180	0.147	18.190	0.151	18.206	0.193	18.231	0.285
18.249	0.318	18.262	0.351	18.274	0.360	18.287	0.355
18.308	0.334	18.331	0.309	18.356	0.284	18.387	0.267
18.411	0.250	18.443	0.242	18.456	0.229	18.469	0.213
18.480	0.204	18.492	0.196	18.501	0.179	18.510	0.154
18.519	0.120	18.532	0.074	18.541	0.037	18.550	0.020
18.564	0.016	18.580	0.016	18.592	0.024	18.605	0.020
18.624	0.016	18.633	0.007	18.643	-0.005	18.659	-0.018
18.684	-0.026	18.693	-0.034	18.716	-0.014	18.727	0.003
18.745	0.045	18.759	0.070	18.776	0.078	18.789	0.083

18.800	0.057	18.815	0.024	18.830	0.016	18.853	0.012
18.870	-0.018	18.884	-0.022	18.902	-0.026	18.919	-0.018
18.929	-0.018	18.941	-0.034	18.954	-0.047	18.970	-0.026
18.982	0.007	18.994	0.041	19.008	0.053	19.017	0.057
19.031	0.049	19.043	0.037	19.055	0.016	19.066	-0.009
19.078	-0.043	19.096	-0.068	19.111	-0.093	19.120	-0.101
19.140	-0.076	19.160	-0.043	19.181	-0.030	19.198	-0.014
19.216	0.016	19.228	0.020	19.242	0.007	19.270	-0.005
19.301	-0.005	19.313	-0.022	19.330	-0.051	19.349	-0.064
19.362	-0.056	19.386	0.007	19.404	0.040	19.425	0.082
19.442	0.107	19.453	0.115	19.467	0.098	19.479	0.082
19.501	0.057	19.511	0.044	19.523	0.010	19.537	-0.023
19.547	-0.044	19.560	-0.052	19.583	-0.044	19.622	-0.019
19.647	-0.011	19.657	-0.006	19.674	0.023	19.687	0.040
19.700	0.048	19.713	0.044	19.722	0.031	19.740	-0.011
19.758	-0.069	19.770	-0.111	19.782	-0.140	19.793	-0.153
19.811	-0.140	19.835	-0.131	19.860	-0.114	19.886	-0.081
19.901	-0.081	19.920	-0.089	19.944	-0.072	19.959	-0.080
19.977	-0.101	19.987	-0.097	20.008	-0.067	20.019	-0.046
20.039	0.000	20.050	0.025	20.060	0.008	20.086	-0.029
20.103	-0.046	20.117	-0.046	20.136	-0.033	20.150	-0.021
20.162	-0.042	20.179	-0.079	20.190	-0.088	20.210	-0.067
20.235	-0.042	20.248	-0.033	20.262	0.000	20.274	0.013
20.288	-0.012	20.305	-0.054	20.324	-0.113	20.336	-0.129
20.351	-0.146	20.363	-0.129	20.379	-0.109	20.399	-0.109
20.411	-0.100	20.449	-0.033	20.474	0.013	20.489	0.034
20.500	0.038	20.524	0.038	20.537	0.055	20.561	0.096
20.574	0.109	20.597	0.101	20.627	0.088	20.648	0.084
20.668	0.092	20.679	0.088	20.693	0.071	20.708	0.046
20.720	0.042	20.738	0.075	20.750	0.092	20.760	0.088
20.777	0.054	20.797	0.020	20.807	0.016	20.835	0.028
20.857	0.024	20.879	0.048	20.903	0.065	20.916	0.065
20.937	0.052	20.949	0.056	20.976	0.093	20.989	0.110
21.005	0.105	21.023	0.080	21.042	0.046	21.055	0.017
21.068	-0.017	21.079	-0.030	21.103	-0.018	21.113	-0.018
21.124	-0.035	21.137	-0.052	21.147	-0.040	21.165	-0.011
21.176	-0.011	21.189	-0.041	21.208	-0.075	21.228	-0.092
21.244	-0.080	21.266	-0.031	21.288	-0.006	21.309	0.035
21.331	0.051	21.346	0.025	21.360	0.004	21.375	-0.010
21.403	0.026	21.426	0.033	21.438	0.015	21.449	-0.011
21.458	-0.016	21.459	-0.016	21.462	-0.012	21.463	-0.008
21.466	-0.004	21.468	0.000	21.500	0.031	21.524	0.059
21.544	0.095	21.560	0.114	21.574	0.118	21.601	0.109
21.622	0.100	21.641	0.078	21.663	0.065	21.683	0.056
21.725	0.042	21.753	0.041	21.788	0.044	21.805	0.028
21.827	-0.022	21.855	-0.026	21.872	-0.034	21.891	-0.021
21.903	-0.034	21.922	-0.084	21.941	-0.104	21.973	-0.112
21.995	-0.124	22.012	-0.120	22.038	-0.111	22.050	-0.120
22.071	-0.115	22.095	-0.061	22.117	-0.010	22.130	-0.006
22.152	-0.022	22.171	-0.034	22.190	-0.009	22.214	0.008
22.240	-0.021	22.263	-0.058	22.287	-0.078	22.302	-0.086
22.323	-0.053	22.342	-0.011	22.357	-0.007	22.372	-0.011
22.384	-0.031	22.399	-0.056	22.414	-0.065	22.442	-0.056
22.488	-0.039	22.520	-0.047	22.556	-0.018	22.586	-0.030
22.625	-0.017	22.653	-0.025	22.664	-0.042	22.696	-0.104
22.717	-0.133	22.743	-0.136	22.767	-0.119	22.788	-0.111

22.814	-0.110	22.843	-0.080	22.862	-0.076	22.893	-0.092
22.903	-0.087	22.921	-0.083	22.941	-0.095	22.956	-0.082
22.977	-0.048	23.005	0.019	23.024	0.053	23.044	0.037
23.069	0.012	23.084	-0.004	23.108	-0.028	23.127	-0.024
23.148	-0.032	23.167	-0.002	23.188	0.007	23.218	0.066
23.243	0.120	23.264	0.142	23.280	0.142	23.301	0.121
23.325	0.080	23.341	0.047	23.359	0.056	23.372	0.068
23.386	0.060	23.401	0.044	23.413	0.048	23.431	0.065
23.447	0.078	23.462	0.095	23.476	0.087	23.488	0.066
23.510	0.017	23.530	-0.021	23.543	-0.016	23.561	-0.012
23.579	-0.012	23.603	-0.020	23.621	-0.015	23.640	-0.048
23.658	-0.078	23.670	-0.094	23.685	-0.090	23.701	-0.073
23.720	-0.060	23.739	-0.068	23.757	-0.085	23.773	-0.102
23.788	-0.114	23.804	-0.118	23.821	-0.114	23.842	-0.105
23.860	-0.126	23.878	-0.143	23.901	-0.168	23.918	-0.184
23.933	-0.205	23.954	-0.172	23.973	-0.151	24.000	-0.138
24.021	-0.126	24.047	-0.075	24.064	-0.054	24.084	-0.050
24.105	-0.075	24.130	-0.100	24.148	-0.121	24.165	-0.129
24.178	-0.116	24.195	-0.099	24.211	-0.074	24.245	0.031
24.262	0.069	24.284	0.077	24.312	0.078	24.336	0.082
24.357	0.070	24.381	0.062	24.395	0.034	24.410	0.013
24.429	0.005	24.459	0.023	24.483	0.078	24.500	0.091
24.512	0.070	24.533	0.037	24.566	0.021	24.579	0.022
24.607	0.060	24.618	0.064	24.644	0.045	24.665	0.079
24.695	0.130	24.713	0.160	24.728	0.169	24.742	0.161
24.756	0.145	24.776	0.108	24.792	0.092	24.810	0.093
24.838	0.119	24.859	0.115	24.881	0.116	24.907	0.129
24.927	0.105	24.954	0.097	24.990	0.098	25.019	0.111
25.036	0.116	25.062	0.096	25.083	0.092	25.100	0.067
25.119	0.038	25.135	0.017	25.157	0.017	25.183	0.026
25.200	0.013	25.227	-0.007	25.252	-0.024	25.270	-0.016
25.291	-0.003	25.309	-0.020	25.336	-0.057	25.356	-0.086
25.372	-0.086	25.391	-0.065	25.406	-0.027	25.425	-0.011
25.439	-0.023	25.457	-0.048	25.482	-0.061	25.501	-0.077
25.518	-0.086	25.540	-0.073	25.554	-0.081	25.574	-0.110
25.584	-0.114	25.607	-0.110	25.633	-0.106	25.659	-0.097
25.677	-0.093	25.689	-0.101	25.705	-0.122	25.731	-0.147
25.743	-0.155	25.759	-0.155	25.783	-0.130	25.808	-0.113
25.836	-0.083	25.870	-0.045	25.902	-0.016	25.923	-0.007
25.946	-0.003	25.963	0.014	25.989	0.006	26.010	0.006
26.028	0.015	26.044	0.048	26.061	0.073	26.074	0.086
26.088	0.061	26.101	0.032	26.119	0.015	26.134	0.012
26.145	-0.001	26.158	-0.017	26.170	-0.026	26.189	-0.009
26.208	0.008	26.228	0.030	26.246	0.038	26.257	0.022
26.275	-0.007	26.293	-0.011	26.328	-0.011	26.347	0.002
26.363	0.023	26.380	0.040	26.397	0.057	26.412	0.074
26.423	0.074	26.434	0.062	26.454	0.042	26.478	0.013
26.499	-0.004	26.520	-0.016	26.536	-0.028	26.559	-0.015
26.572	-0.015	26.594	-0.044	26.610	-0.056	26.627	-0.056
26.650	-0.052	26.676	-0.022	26.702	0.020	26.724	0.041
26.743	0.049	26.763	0.045	26.781	0.025	26.799	0.008
26.816	-0.030	26.834	-0.063	26.852	-0.109	26.865	-0.125
26.884	-0.130	26.905	-0.117	26.925	-0.092	26.945	-0.071
26.963	-0.058	26.980	-0.062	27.002	-0.071	27.024	-0.083
27.050	-0.075	27.079	-0.083	27.108	-0.041	27.124	-0.049
27.150	-0.062	27.177	-0.045	27.198	-0.024	27.213	-0.019

27.244	-0.023	27.266	0.002	27.294	0.040	27.322	0.065
27.352	0.065	27.383	0.083	27.411	0.087	27.453	0.113
27.488	0.084	27.506	0.089	27.547	0.115	27.577	0.094
27.625	0.061	27.649	0.049	27.680	0.029	27.708	0.034
27.730	0.027	27.773	0.066	27.793	0.037	27.821	0.017
27.841	0.042	27.874	0.056	27.896	0.048	27.926	0.036
27.951	0.016	27.974	0.021	28.001	0.034	28.019	0.042
28.052	0.072	28.072	0.077	28.102	0.069	28.130	0.037
28.165	0.004	28.194	-0.000	28.221	-0.013	28.245	-0.021
28.262	-0.008	28.282	0.005	28.307	0.009	28.333	-0.007
28.357	-0.024	28.371	-0.028	28.384	-0.024	28.402	0.006
28.411	0.006	28.432	-0.019	28.456	-0.035	28.480	-0.043
28.505	-0.043	28.530	-0.034	28.539	-0.051	28.558	-0.092
28.566	-0.105	28.573	-0.101	28.591	-0.088		

IG107
71.019 2/9/71 0600PST PASADENA CALTECH ATHENAEUM DOWN

2790 POINTS 28.582 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1363 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.162	0.019	0.018	0.031	-0.088	0.046	-0.053
0.059	-0.037	0.071	-0.006	0.080	-0.014	0.096	0.037
0.109	-0.096	0.120	-0.138	0.131	-0.174	0.152	-0.045
0.164	-0.084	0.174	-0.092	0.189	-0.228	0.204	-0.162
0.217	-0.119	0.231	-0.057	0.241	0.037	0.255	0.123
0.268	0.041	0.278	-0.053	0.290	-0.072	0.309	-0.021
0.321	-0.092	0.330	-0.115	0.340	-0.131	0.350	-0.033
0.358	0.018	0.365	0.068	0.379	0.123	0.393	0.068
0.401	-0.010	0.407	-0.060	0.414	-0.146	0.427	-0.185
0.439	-0.099	0.445	-0.002	0.451	0.053	0.463	0.107
0.469	0.064	0.478	-0.002	0.488	-0.018	0.495	-0.060
0.508	0.006	0.517	0.080	0.524	0.162	0.528	0.220
0.545	0.197	0.555	0.060	0.561	0.002	0.570	-0.060
0.580	-0.084	0.594	-0.099	0.606	-0.138	0.616	-0.103
0.625	-0.107	0.636	-0.057	0.650	-0.064	0.661	-0.080
0.671	-0.092	0.680	-0.049	0.690	-0.014	0.700	-0.041
0.710	-0.060	0.722	-0.127	0.735	-0.064	0.744	-0.096
0.753	-0.092	0.767	-0.201	0.782	-0.123	0.790	-0.072
0.800	0.002	0.807	0.045	0.816	0.068	0.829	-0.010
0.841	-0.014	0.849	-0.069	0.859	-0.080	0.876	-0.209
0.889	-0.092	0.902	-0.014	0.913	0.021	0.919	0.052
0.929	-0.011	0.941	0.056	0.951	-0.058	0.960	-0.046
0.970	-0.093	0.991	0.110	1.008	0.243	1.019	0.161
1.033	-0.031	1.046	-0.027	1.058	-0.066	1.072	-0.089
1.084	-0.054	1.091	-0.015	1.099	-0.015	1.115	0.020
1.131	-0.007	1.143	0.051	1.158	0.125	1.171	-0.054
1.184	-0.218	1.202	-0.031	1.213	0.145	1.222	0.195
1.232	0.133	1.239	0.106	1.248	0.055	1.256	-0.019
1.264	-0.031	1.275	-0.109	1.284	-0.081	1.293	-0.109
1.305	-0.097	1.317	-0.113	1.331	-0.062	1.339	0.001
1.350	0.040	1.360	0.012	1.368	0.016	1.381	-0.046
1.394	-0.003	1.406	-0.132	1.422	-0.339	1.435	-0.276
1.448	-0.050	1.457	0.032	1.470	-0.019	1.483	0.004
1.492	0.012	1.507	0.094	1.516	0.043	1.525	-0.023
1.538	0.028	1.552	0.059	1.568	0.004	1.583	-0.046
1.595	0.035	1.604	0.110	1.617	0.199	1.631	0.086
1.641	-0.027	1.656	-0.164	1.674	-0.187	1.684	-0.098
1.690	-0.004	1.701	0.062	1.714	-0.020	1.728	-0.121
1.743	-0.008	1.756	0.054	1.768	0.012	1.777	-0.024
1.793	-0.016	1.810	-0.137	1.832	-0.098	1.844	0.027
1.853	0.012	1.862	0.078	1.872	0.101	1.888	-0.004
1.902	0.054	1.920	0.023	1.938	-0.031	1.950	-0.090
1.965	-0.187	1.978	-0.094	1.992	-0.059	2.004	0.019
2.013	0.023	2.029	0.070	2.044	0.004	2.059	0.027
2.078	-0.051	2.092	-0.055	2.104	-0.137	2.118	-0.086
2.134	0.156	2.151	0.296	2.165	0.265	2.176	0.101
2.187	0.034	2.197	-0.048	2.211	-0.114	2.231	-0.133
2.254	-0.251	2.271	-0.087	2.283	0.112	2.294	0.229
2.308	0.264	2.322	0.096	2.332	-0.021	2.344	0.053
2.361	0.116	2.377	-0.056	2.386	-0.165	2.402	-0.329
2.416	-0.228	2.427	-0.111	2.441	-0.068	2.456	0.002
2.469	-0.033	2.488	-0.236	2.506	-0.146	2.518	-0.092
2.532	-0.064	2.542	-0.053	2.561	0.041	2.577	0.064
2.593	0.111	2.610	0.002	2.632	-0.201	2.650	0.037
2.659	0.146	2.671	0.220	2.687	0.025	2.699	-0.123
2.709	-0.295	2.723	-0.384	2.737	-0.310	2.745	-0.123
2.753	-0.018	2.762	0.060	2.772	0.037	2.787	0.119
2.796	0.236	2.806	0.310	2.822	0.177	2.830	0.033
2.840	-0.131	2.859	0.002	2.872	0.123	2.893	0.139
2.908	0.186	2.922	0.119	2.939	0.166	2.953	0.256
2.971	0.100	2.986	-0.075	2.999	-0.220	3.009	-0.337
3.024	-0.188	3.033	0.015	3.048	0.237	3.060	0.023
3.069	-0.172	3.076	-0.246	3.088	-0.285	3.099	-0.199
3.109	-0.098	3.121	-0.117	3.122	-0.117	3.136	-0.031
3.160	0.195	3.182	0.001	3.199	-0.159	3.218	-0.366
3.234	-0.092	3.242	0.169	3.249	0.317	3.257	0.380
3.268	0.458	3.283	0.150	3.293	-0.076	3.306	-0.213
3.320	-0.103	3.328	0.018	3.339	0.053	3.358	0.190
3.370	0.163	3.383	0.132	3.396	0.069	3.416	0.124
3.425	0.101	3.437	0.050	3.449	-0.063	3.461	-0.187
3.476	-0.105	3.483	-0.015	3.497	0.110	3.510	0.024
3.521	-0.128	3.536	-0.272	3.547	-0.163	3.551	-0.104
3.561	-0.065	3.566	0.001	3.570	0.040	3.574	0.048
3.580	0.013	3.584	-0.014	3.592	-0.053	3.603	-0.057
3.609	-0.127	3.614	-0.205	3.618	-0.260	3.623	-0.279
3.629	-0.244	3.635	-0.142	3.642	-0.115	3.651	-0.053
3.660	-0.053	3.669	-0.088	3.674	-0.099	3.681	-0.037
3.687	0.041	3.692	0.053	3.703	0.033	3.711	0.041
3.722	0.061	3.728	0.010	3.732	-0.060	3.739	-0.115
3.744	-0.161	3.750	-0.204	3.758	-0.189	3.765	-0.224
3.776	-0.150	3.783	-0.064	3.790	0.061	3.794	0.151
3.801	0.221	3.810	0.260	3.819	0.202	3.820	0.182
3.832	0.167	3.834	0.135	3.838	0.050	3.846	-0.025
3.853	-0.102	3.856	-0.145	3.862	-0.165	3.869	-0.110
3.874	-0.032	3.879	0.147	3.883	0.202	3.888	0.272
3.896	0.307	3.903	0.319	3.911	0.280	3.915	0.179
3.920	0.054	3.930	-0.051	3.939	-0.118	3.943	-0.102
3.949	0.011	3.953	0.120	3.956	0.159	3.962	0.198
3.969	0.202	3.976	0.253	3.982	0.296	3.991	0.183
4.001	0.124	4.011	0.167	4.018	0.269	4.024	0.319
4.034	0.394	4.042	0.308	4.046	0.261	4.049	0.160
4.055	0.066	4.061	0.015	4.067	-0.117	4.073	-0.183
4.082	-0.098	4.089	0.031	4.095	0.109	4.104	0.148
4.116	0.090	4.125	0.016	4.132	-0.035	4.141	-0.059
4.153	-0.023	4.162	-0.086	4.172	-0.168	4.173	-0.187
4.178	-0.242	4.184	-0.324	4.195	-0.382	4.201	-0.320

4.207	-0.191	4.214	-0.066	4.219	0.035	4.224	0.172
4.229	0.253	4.232	0.273	4.239	0.156	4.243	0.090
4.247	0.008	4.253	-0.051	4.256	-0.148	4.263	-0.230
4.269	-0.320	4.279	-0.359	4.287	-0.273	4.292	-0.211
4.303	-0.195	4.308	-0.078	4.314	0.007	4.321	0.007
4.329	-0.008	4.335	-0.051	4.347	-0.020	4.355	-0.086
4.363	-0.118	4.372	-0.207	4.378	-0.262	4.388	-0.340
4.396	-0.239	4.401	-0.153	4.408	-0.016	4.413	0.042
4.417	0.136	4.422	0.229	4.426	0.272	4.430	0.288
4.437	0.218	4.451	0.202	4.452	0.221	4.462	0.237
4.470	0.182	4.474	0.128	4.482	0.046	4.487	-0.052
4.491	-0.118	4.500	-0.161	4.507	-0.091	4.513	0.046
4.522	0.202	4.528	0.326	4.536	0.389	4.546	0.252
4.553	0.096	4.562	-0.048	4.576	-0.017	4.589	-0.017
4.596	-0.025	4.612	0.041	4.625	0.077	4.638	0.034
4.649	0.030	4.656	0.003	4.665	-0.013	4.673	-0.075
4.681	-0.107	4.692	-0.040	4.704	-0.056	4.710	-0.001
4.717	0.077	4.726	0.159	4.738	0.120	4.744	0.100
4.752	0.026	4.757	-0.083	4.760	-0.126	4.763	-0.235
4.769	-0.317	4.772	-0.379	4.778	-0.445	4.784	-0.461
4.792	-0.383	4.799	-0.308	4.805	-0.203	4.809	-0.086
4.815	-0.031	4.830	-0.027	4.839	-0.004	4.848	0.070
4.854	0.133	4.862	0.176	4.869	0.199	4.875	0.125
4.878	0.016	4.882	-0.105	4.885	-0.186	4.891	-0.303
4.896	-0.327	4.912	-0.249	4.921	-0.069	4.927	0.099
4.939	0.142	4.946	0.224	4.959	0.236	4.966	0.236
4.979	0.220	4.985	0.259	4.991	0.150	4.998	-0.080
5.009	-0.138	5.025	-0.033	5.032	0.081	5.038	0.139
5.047	0.241	5.055	0.268	5.064	0.225	5.071	0.112
5.077	-0.032	5.083	-0.086	5.093	-0.012	5.104	0.043
5.113	0.101	5.121	0.152	5.128	0.203	5.136	0.285
5.147	0.324	5.157	0.313	5.168	0.317	5.176	0.294
5.189	0.313	5.198	0.298	5.205	0.275	5.208	0.201
5.212	0.084	5.215	-0.010	5.220	-0.095	5.223	-0.173
5.229	-0.360	5.233	-0.505	5.239	-0.532	5.247	-0.473
5.256	-0.344	5.264	-0.266	5.273	-0.243	5.286	-0.243
5.297	-0.215	5.305	-0.055	5.315	0.062	5.323	0.011
5.330	-0.125	5.337	-0.223	5.347	-0.289	5.358	-0.203
5.362	-0.078	5.367	0.066	5.374	0.124	5.389	0.054
5.397	-0.078	5.403	-0.125	5.407	-0.164	5.416	-0.234
5.418	-0.261	5.426	-0.187	5.436	-0.105	5.446	-0.051
5.456	-0.031	5.459	-0.039	5.466	-0.117	5.472	-0.183
5.483	-0.152	5.484	-0.148	5.490	-0.039	5.496	-0.011
5.505	-0.011	5.512	-0.035	5.521	-0.070	5.528	0.016
5.536	0.117	5.548	0.184	5.555	0.110	5.562	0.047
5.569	-0.023	5.573	-0.101	5.580	-0.167	5.592	-0.257
5.601	-0.132	5.610	0.027	5.614	0.187	5.620	0.320
5.625	0.421	5.634	0.475	5.641	0.382	5.646	0.229
5.650	0.054	5.654	-0.106	5.666	-0.188	5.679	-0.169
5.687	-0.029	5.696	0.115	5.703	0.209	5.708	0.306
5.716	0.345	5.723	0.193	5.727	0.134	5.733	-0.034
5.742	-0.116	5.752	-0.011	5.764	0.122	5.775	0.184
5.782	0.137	5.787	0.028	5.793	-0.085	5.799	-0.179
5.809	-0.242	5.818	-0.230	5.824	-0.172	5.831	-0.035
5.837	0.082	5.845	0.148	5.855	0.160	5.862	0.222
5.871	0.241	5.879	0.253	5.889	0.167	5.896	0.128

5.904	-0.028	5.912	-0.161	5.922	-0.224	5.930	-0.153
5.934	-0.021	5.941	0.084	5.954	0.166	5.962	0.228
5.969	0.287	5.981	0.220	5.994	0.283	6.005	0.193
6.017	0.099	6.036	0.228	6.043	0.157	6.049	0.118
6.056	-0.054	6.061	-0.178	6.068	-0.229	6.078	-0.253
6.086	-0.155	6.094	-0.046	6.100	-0.105	6.105	-0.253
6.116	-0.308	6.122	-0.413	6.128	-0.495	6.134	-0.510
6.140	-0.397	6.145	-0.202	6.152	0.001	6.158	0.172
6.165	0.266	6.171	0.262	6.175	0.168	6.179	0.067
6.183	-0.031	6.188	-0.191	6.194	-0.284	6.205	-0.401
6.215	-0.311	6.224	-0.206	6.234	-0.124	6.241	0.008
6.245	0.094	6.250	0.196	6.255	0.289	6.261	0.301
6.271	0.227	6.285	0.192	6.291	0.207	6.297	0.281
6.304	0.391	6.307	0.437	6.316	0.433	6.322	0.320
6.326	0.235	6.331	0.129	6.342	0.043	6.348	-0.058
6.352	-0.113	6.359	-0.179	6.366	-0.109	6.374	0.082
6.382	0.180	6.389	0.180	6.398	0.133	6.404	0.063
6.409	-0.003	6.419	-0.038	6.425	-0.077	6.436	-0.120
6.447	-0.163	6.457	-0.101	6.464	0.032	6.471	0.145
6.481	0.196	6.487	0.125	6.493	-0.003	6.499	-0.132
6.503	-0.171	6.509	-0.315	6.516	-0.425	6.530	-0.452
6.532	-0.409	6.546	-0.350	6.557	-0.456	6.560	-0.491
6.570	-0.393	6.579	-0.226	6.588	-0.109	6.595	0.032
6.600	0.118	6.605	0.172	6.613	0.321	6.618	0.383
6.627	0.414	6.638	0.325	6.645	0.149	6.652	0.063
6.664	0.102	6.669	-0.030	6.677	-0.159	6.687	-0.038
6.698	0.091	6.709	0.075	6.717	0.204	6.727	0.309
6.736	0.204	6.747	0.165	6.755	0.072	6.756	0.017
6.764	-0.162	6.766	-0.260	6.779	-0.318	6.787	-0.279
6.795	-0.221	6.804	-0.151	6.821	-0.096	6.830	-0.057
6.832	-0.057	6.839	-0.037	6.851	-0.217	6.860	-0.123
6.870	0.002	6.880	0.064	6.892	0.080	6.899	-0.037
6.909	-0.131	6.922	-0.123	6.929	-0.193	6.940	-0.240
6.950	-0.232	6.956	-0.170	6.959	-0.068	6.964	0.068
6.969	0.182	6.976	0.287	6.983	0.279	6.989	0.264
6.998	0.240	7.005	0.182	7.010	0.053	7.018	0.002
7.027	0.100	7.033	0.143	7.042	0.264	7.048	0.314
7.058	0.342	7.063	0.431	7.069	0.478	7.076	0.478
7.093	0.502	7.098	0.471	7.106	0.369	7.110	0.252
7.116	0.155	7.123	0.030	7.129	-0.075	7.137	-0.204
7.145	-0.282	7.151	-0.325	7.158	-0.278	7.167	-0.173
7.182	-0.157	7.187	-0.036	7.197	0.046	7.205	-0.029
7.210	-0.165	7.215	-0.372	7.222	-0.516	7.227	-0.629
7.232	-0.715	7.243	-0.738	7.249	-0.668	7.258	-0.426
7.263	-0.263	7.268	-0.083	7.275	0.092	7.281	0.260
7.288	0.369	7.297	0.443	7.304	0.393	7.307	0.369
7.322	0.439	7.330	0.334	7.333	0.275	7.338	0.244
7.350	0.295	7.356	0.225	7.362	0.073	7.368	0.010
7.371	-0.025	7.377	-0.173	7.381	-0.286	7.385	-0.360
7.392	-0.368	7.397	-0.302	7.400	-0.201	7.407	-0.052
7.412	0.119	7.419	0.291	7.425	0.408	7.430	0.466
7.441	0.295	7.447	0.103	7.450	-0.057	7.451	-0.060
7.457	-0.154	7.458	-0.236	7.469	-0.376	7.480	-0.217
7.484	-0.158	7.499	-0.068	7.508	-0.080	7.522	-0.022
7.534	-0.123	7.543	0.009	7.548	0.161	7.553	0.220
7.556	0.239	7.566	0.099	7.569	0.060	7.579	0.009

7.580	-0.010	7.588	-0.084	7.597	-0.092	7.606	-0.038
7.615	-0.065	7.625	0.064	7.631	0.138	7.639	0.212
7.652	0.340	7.658	0.290	7.661	0.172	7.674	0.122
7.678	0.141	7.684	0.141	7.692	0.090	7.702	-0.081
7.710	-0.070	7.715	0.000	7.728	-0.004	7.735	-0.105
7.744	-0.222	7.750	-0.230	7.757	-0.367	7.765	-0.538
7.780	-0.546	7.791	-0.461	7.801	-0.316	7.808	-0.242
7.816	-0.215	7.830	-0.235	7.836	-0.165	7.847	-0.067
7.852	-0.016	7.861	-0.013	7.870	-0.063	7.883	-0.056
7.894	-0.095	7.906	-0.017	7.909	0.014	7.916	0.139
7.922	0.162	7.936	0.084	7.953	0.076	7.958	0.143
7.968	0.263	7.976	0.302	7.983	0.333	7.997	0.263
8.001	0.244	8.013	0.177	8.016	0.158	8.023	0.134
8.034	0.087	8.039	-0.006	8.046	-0.151	8.051	-0.272
8.056	-0.334	8.066	-0.365	8.077	-0.319	8.086	-0.163
8.098	-0.073	8.110	-0.085	8.118	-0.182	8.126	-0.315
8.139	-0.237	8.150	-0.229	8.156	-0.183	8.163	-0.179
8.169	-0.292	8.182	-0.389	8.195	-0.331	8.203	-0.198
8.211	-0.113	8.217	0.028	8.226	0.121	8.239	0.266
8.252	0.269	8.259	0.410	8.266	0.546	8.273	0.698
8.279	0.866	8.287	0.987	8.290	1.049	8.296	1.065
8.302	0.975	8.309	0.807	8.311	0.706	8.315	0.569
8.321	0.433	8.324	0.277	8.330	0.172	8.337	0.082
8.342	0.023	8.344	0.031	8.357	0.140	8.365	0.179
8.373	0.261	8.382	0.331	8.395	0.460	8.404	0.491
8.414	0.405	8.419	0.335	8.430	0.311	8.442	0.319
8.445	0.280	8.452	0.097	8.460	0.031	8.461	-0.106
8.466	-0.180	8.470	-0.278	8.478	-0.383	8.485	-0.399
8.495	-0.352	8.499	-0.364	8.509	-0.442	8.521	-0.457
8.527	-0.340	8.536	-0.188	8.542	-0.099	8.550	-0.067
8.558	-0.157	8.572	-0.114	8.579	-0.036	8.579	-0.009
8.585	0.139	8.592	0.229	8.600	0.213	8.608	0.115
8.611	0.100	8.617	-0.053	8.621	-0.154	8.625	-0.209
8.634	-0.135	8.637	-0.123	8.649	-0.076	8.653	-0.143
8.655	-0.178	8.661	-0.193	8.671	-0.042	8.681	0.095
8.690	0.216	8.705	0.254	8.712	0.172	8.716	0.048
8.727	-0.019	8.734	0.063	8.744	0.211	8.754	0.281
8.763	0.394	8.770	0.445	8.780	0.312	8.786	0.222
8.795	0.183	8.805	0.171	8.811	0.070	8.820	-0.036
8.830	-0.040	8.841	0.015	8.847	-0.009	8.856	-0.087
8.867	-0.142	8.875	-0.130	8.884	-0.224	8.893	-0.298
8.902	-0.173	8.907	-0.041	8.912	0.037	8.921	0.131
8.930	0.154	8.941	0.072	8.946	-0.033	8.950	-0.189
8.957	-0.275	8.966	-0.174	8.972	-0.057	8.979	0.025
8.986	0.153	8.994	0.208	9.003	0.114	9.011	0.005
9.016	-0.105	9.023	-0.179	9.032	-0.226	9.047	-0.093
9.056	0.059	9.069	0.078	9.078	-0.028	9.085	-0.207
9.094	-0.328	9.105	-0.169	9.112	0.011	9.116	0.046
9.122	0.221	9.129	0.338	9.137	0.322	9.144	0.220
9.150	0.170	9.164	0.138	9.177	0.204	9.188	0.305
9.201	0.270	9.219	0.332	9.230	0.304	9.234	0.281
9.243	0.113	9.245	-0.012	9.249	-0.075	9.257	-0.258
9.266	-0.360	9.275	-0.224	9.285	-0.041	9.294	0.061
9.305	0.068	9.312	0.017	9.321	-0.030	9.333	-0.023
9.348	0.043	9.375	-0.004	9.390	0.136	9.399	0.057
9.407	0.010	9.418	-0.014	9.428	-0.135	9.439	-0.225

9.457	-0.257	9.467	-0.241	9.472	-0.179	9.484	-0.109
9.489	-0.082	9.502	0.038	9.514	0.174	9.524	0.077
9.531	-0.083	9.540	-0.154	9.549	-0.283	9.560	-0.268
9.566	-0.174	9.572	-0.120	9.587	0.016	9.596	0.082
9.610	0.016	9.619	-0.012	9.634	0.031	9.637	0.042
9.648	0.042	9.663	0.057	9.668	0.077	9.677	0.112
9.687	0.158	9.698	0.088	9.713	0.080	9.718	0.181
9.730	0.239	9.736	0.278	9.747	0.251	9.753	0.219
9.759	0.149	9.767	-0.007	9.774	-0.070	9.778	-0.152
9.786	-0.152	9.791	-0.113	9.801	-0.008	9.818	0.031
9.822	0.015	9.834	-0.063	9.848	-0.063	9.861	-0.118
9.870	-0.176	9.876	-0.251	9.882	-0.313	9.892	-0.298
9.895	-0.263	9.903	-0.142	9.913	-0.138	9.921	-0.251
9.925	-0.322	9.928	-0.384	9.938	-0.482	9.951	-0.381
9.959	-0.229	9.968	-0.081	9.971	-0.045	9.981	0.091
9.988	0.134	10.006	0.087	10.015	0.133	10.025	0.223
10.030	0.258	10.049	0.172	10.071	0.245	10.077	0.152
10.083	-0.039	10.088	-0.106	10.091	-0.168	10.099	-0.266
10.106	-0.266	10.118	-0.200	10.124	-0.177	10.139	-0.118
10.151	-0.103	10.167	-0.084	10.179	-0.177	10.179	-0.216
10.190	-0.275	10.211	-0.318	10.219	-0.330	10.230	-0.260
10.237	-0.233	10.248	-0.124	10.260	-0.046	10.270	-0.046
10.276	-0.077	10.287	-0.202	10.294	-0.214	10.315	-0.105
10.328	-0.015	10.334	-0.023	10.340	-0.078	10.345	-0.121
10.361	-0.168	10.381	-0.176	10.389	-0.164	10.390	-0.176
10.406	-0.040	10.417	0.128	10.430	0.190	10.444	0.182
10.459	0.213	10.466	0.182	10.475	0.135	10.485	0.096
10.492	0.037	10.509	0.029	10.519	-0.002	10.526	-0.061
10.528	-0.065	10.545	-0.112	10.550	-0.197	10.561	-0.237
10.573	-0.237	10.576	-0.233	10.586	-0.159	10.602	-0.151
10.607	-0.144	10.613	-0.167	10.620	-0.284	10.633	-0.421
10.643	-0.343	10.653	-0.144	10.663	-0.031	10.675	0.020
10.681	0.027	10.699	-0.058	10.708	-0.020	10.714	0.012
10.722	0.062	10.736	0.117	10.746	0.089	10.756	0.007
10.770	-0.043	10.787	-0.005	10.795	-0.012	10.815	0.015
10.831	0.030	10.845	-0.040	10.855	-0.005	10.867	0.054
10.882	0.109	10.897	0.133	10.903	0.137	10.906	0.121
10.924	0.079	10.930	0.114	10.939	0.224	10.954	0.310
10.962	0.338	10.964	0.318	10.966	0.303	10.974	0.209
10.982	0.131	10.988	0.073	10.995	0.050	11.000	0.069
11.008	0.112	11.014	0.155	11.018	0.179	11.021	0.191
11.028	0.187	11.038	0.160	11.055	0.047	11.070	-0.055
11.083	-0.109	11.089	-0.160	11.097	-0.246	11.103	-0.328
11.111	-0.394	11.119	-0.406	11.124	-0.414	11.134	-0.406
11.144	-0.399	11.158	-0.313	11.166	-0.282	11.180	-0.177
11.192	-0.149	11.203	-0.134	11.216	-0.048	11.226	-0.021
11.236	-0.033	11.251	-0.076	11.262	-0.134	11.270	-0.181
11.279	-0.216	11.288	-0.236	11.294	-0.205	11.303	-0.033
11.311	0.069	11.318	0.127	11.323	0.166	11.328	0.162
11.337	0.119	11.348	-0.068	11.354	-0.146	11.361	-0.200
11.368	-0.243	11.376	-0.286	11.382	-0.258	11.396	-0.161
11.402	-0.126	11.414	-0.137	11.421	-0.149	11.429	-0.192
11.435	-0.281	11.439	-0.332	11.446	-0.355	11.456	-0.312
11.474	-0.160	11.484	-0.109	11.493	-0.094	11.509	-0.113
11.518	-0.152	11.532	-0.257	11.537	-0.308	11.542	-0.312
11.550	-0.265	11.563	-0.148	11.571	-0.066	11.577	-0.039

11.586	-0.070	11.598	-0.144	11.601	-0.167	11.608	-0.144
11.623	-0.101	11.638	-0.054	11.647	-0.042	11.662	-0.089
11.669	-0.054	11.678	-0.038	11.684	-0.022	11.698	0.063
11.708	0.114	11.721	0.169	11.734	0.231	11.745	0.208
11.754	0.188	11.761	0.177	11.771	0.095	11.777	0.056
11.791	0.021	11.799	0.033	11.813	0.181	11.828	0.341
11.832	0.376	11.843	0.388	11.852	0.345	11.880	0.068
11.888	-0.018	11.898	-0.057	11.904	-0.014	11.918	0.115
11.933	0.189	11.937	0.154	11.951	0.018	11.958	-0.037
11.969	-0.045	11.983	0.014	11.992	0.034	12.002	-0.005
12.014	0.037	12.026	0.034	12.037	0.042	12.048	-0.013
12.058	-0.091	12.064	-0.134	12.073	-0.095	12.090	-0.005
12.099	0.046	12.107	0.038	12.118	0.007	12.129	-0.009
12.136	0.007	12.147	0.081	12.160	0.182	12.169	0.221
12.178	0.229	12.185	0.214	12.199	0.155	12.211	0.144
12.221	0.152	12.229	0.163	12.236	0.140	12.254	0.039
12.261	0.035	12.264	0.054	12.275	0.167	12.284	0.187
12.291	0.175	12.306	0.082	12.315	0.012	12.321	-0.012
12.329	0.008	12.341	0.067	12.356	0.078	12.362	0.051
12.381	-0.152	12.387	-0.210	12.394	-0.261	12.403	-0.304
12.411	-0.307	12.418	-0.268	12.427	-0.190	12.437	-0.159
12.447	-0.178	12.463	-0.260	12.470	-0.280	12.481	-0.252
12.501	-0.147	12.526	-0.002	12.542	0.072	12.548	0.099
12.558	0.092	12.573	0.069	12.582	0.096	12.599	0.135
12.606	0.163	12.615	0.210	12.624	0.186	12.634	0.155
12.646	0.163	12.654	0.202	12.664	0.234	12.672	0.214
12.685	0.148	12.691	0.137	12.706	0.125	12.714	0.098
12.727	0.044	12.735	0.020	12.751	0.040	12.761	0.040
12.776	0.095	12.789	0.095	12.810	0.201	12.817	0.178
12.830	0.107	12.836	0.076	12.849	-0.041	12.856	-0.052
12.872	-0.005	12.883	-0.037	12.891	-0.029	12.904	0.026
12.917	0.022	12.935	0.069	12.951	-0.009	12.959	-0.029
12.969	-0.021	12.981	0.011	12.993	0.085	13.002	0.124
13.020	0.190	13.027	0.206	13.034	0.167	13.052	0.081
13.064	0.073	13.086	0.073	13.095	0.097	13.111	0.128
13.118	0.100	13.134	-0.013	13.146	-0.028	13.156	-0.013
13.172	0.011	13.185	0.015	13.194	-0.017	13.200	-0.052
13.213	-0.145	13.222	-0.169	13.236	-0.122	13.249	-0.075
13.260	-0.059	13.273	-0.048	13.284	-0.048	13.291	-0.079
13.312	-0.176	13.322	-0.207	13.332	-0.223	13.339	-0.207
13.357	-0.063	13.367	-0.004	13.376	0.035	13.383	0.027
13.415	-0.046	13.428	-0.035	13.444	-0.062	13.456	-0.050
13.471	-0.077	13.488	-0.003	13.514	0.110	13.524	0.130
13.539	0.103	13.554	0.091	13.572	0.029	13.580	0.017
13.590	0.033	13.606	0.080	13.620	0.076	13.641	0.108
13.664	0.061	13.678	0.053	13.687	0.081	13.701	0.229
13.712	0.291	13.721	0.264	13.738	0.108	13.746	0.073
13.763	0.066	13.771	0.027	13.782	-0.086	13.790	-0.156
13.799	-0.187	13.808	-0.164	13.821	-0.066	13.828	-0.039
13.841	-0.054	13.857	-0.113	13.876	-0.163	13.885	-0.202
13.894	-0.252	13.901	-0.252	13.915	-0.217	13.930	-0.108
13.944	-0.036	13.953	0.049	13.969	0.025	13.987	-0.009
13.999	-0.037	14.008	-0.076	14.022	-0.177	14.030	-0.200
14.044	-0.169	14.059	-0.149	14.071	-0.180	14.090	-0.215
14.110	-0.234	14.123	-0.241	14.137	-0.268	14.144	-0.276
14.155	-0.225	14.179	-0.038	14.191	0.017	14.203	-0.018

14.221	-0.076	14.229	-0.060	14.257	0.010	14.269	0.034
14.281	0.026	14.290	0.073	14.296	0.085	14.309	0.062
14.321	0.015	14.337	-0.059	14.359	0.039	14.370	0.086
14.387	0.000	14.399	-0.097	14.407	-0.112	14.415	-0.077
14.432	0.009	14.447	0.153	14.457	0.208	14.466	0.189
14.492	0.111	14.500	0.095	14.527	0.213	14.535	0.244
14.541	0.252	14.547	0.229	14.561	0.178	14.574	0.151
14.585	0.123	14.599	0.112	14.612	0.084	14.622	0.092
14.642	0.123	14.652	0.139	14.663	0.127	14.679	0.045
14.692	-0.048	14.705	-0.099	14.719	-0.169	14.731	-0.208
14.738	-0.189	14.756	-0.005	14.773	0.139	14.780	0.119
14.797	0.053	14.809	0.037	14.819	0.021	14.833	0.064
14.848	0.056	14.859	0.037	14.870	-0.006	14.883	-0.065
14.890	-0.096	14.902	-0.077	14.917	-0.019	14.929	0.001
14.938	-0.027	14.948	-0.054	14.964	-0.066	14.975	-0.035
14.993	0.031	14.999	0.015	15.018	-0.024	15.029	-0.020
15.037	0.003	15.053	0.085	15.066	0.100	15.078	0.077
15.094	0.018	15.114	-0.029	15.121	-0.022	15.143	0.025
15.156	0.020	15.178	0.039	15.189	0.027	15.203	-0.004
15.222	0.011	15.236	-0.012	15.250	-0.060	15.258	-0.032
15.285	0.068	15.295	0.096	15.303	0.072	15.325	-0.030
15.340	-0.030	15.355	-0.015	15.365	0.009	15.386	0.125
15.396	0.148	15.414	0.117	15.435	0.136	15.447	0.113
15.471	0.054	15.482	0.022	15.490	0.034	15.510	0.065
15.524	0.037	15.541	-0.045	15.551	-0.119	15.557	-0.135
15.563	-0.096	15.581	-0.011	15.588	-0.011	15.594	-0.042
15.605	-0.104	15.639	-0.143	15.650	-0.139	15.674	-0.050
15.688	-0.022	15.704	-0.034	15.718	-0.050	15.728	-0.057
15.744	-0.038	15.763	-0.112	15.775	-0.124	15.790	-0.100
15.813	-0.018	15.822	-0.010	15.830	-0.034	15.848	-0.104
15.857	-0.088	15.876	0.005	15.892	0.107	15.902	0.130
15.917	0.127	15.933	0.103	15.941	0.107	15.955	0.138
15.969	0.170	15.976	0.162	15.988	0.142	16.004	0.076
16.013	0.076	16.019	0.104	16.036	0.221	16.047	0.248
16.053	0.209	16.074	0.069	16.100	0.041	16.125	0.014
16.137	0.018	16.158	0.045	16.175	0.084	16.196	0.119
16.205	0.103	16.223	0.017	16.233	-0.002	16.245	0.017
16.266	0.099	16.282	0.150	16.291	0.177	16.298	0.149
16.315	0.067	16.329	0.052	16.354	0.020	16.366	0.024
16.379	0.051	16.394	0.117	16.402	0.125	16.415	0.082
16.432	-0.039	16.442	-0.062	16.456	-0.059	16.473	-0.004
16.498	0.015	16.508	-0.012	16.536	-0.067	16.560	-0.028
16.591	-0.025	16.610	-0.025	16.643	-0.064	16.653	-0.072
16.674	-0.029	16.686	-0.033	16.705	-0.057	16.719	-0.030
16.738	0.060	16.750	0.079	16.758	0.048	16.775	-0.038
16.786	-0.061	16.797	-0.026	16.817	0.052	16.828	0.060
16.837	0.024	16.856	-0.034	16.880	0.024	16.897	0.024
16.906	0.013	16.920	-0.022	16.932	-0.030	16.941	-0.007
16.954	0.052	16.966	0.079	16.986	0.056	16.996	0.040
17.015	-0.042	17.029	-0.054	17.034	-0.042	17.051	0.040
17.060	0.052	17.068	0.040	17.080	-0.006	17.088	-0.034
17.097	-0.030	17.110	-0.026	17.132	0.025	17.147	0.045
17.169	0.029	17.201	0.030	17.219	0.006	17.231	0.018
17.251	0.057	17.271	0.058	17.282	0.069	17.297	0.120
17.304	0.124	17.310	0.104	17.326	0.046	17.364	0.054
17.378	0.046	17.397	0.015	17.416	-0.005	17.450	-0.017

17.465	-0.020	17.478	-0.056	17.494	-0.063	17.508	-0.028
17.522	-0.001	17.536	-0.001	17.547	0.022	17.564	0.088
17.573	0.096	17.580	0.077	17.605	0.014	17.618	-0.006
17.645	-0.002	17.672	0.010	17.686	0.029	17.709	0.060
17.718	0.072	17.728	0.056	17.743	0.009	17.754	-0.030
17.763	-0.038	17.781	0.009	17.804	0.091	17.819	0.118
17.831	0.110	17.842	0.087	17.856	0.059	17.869	0.071
17.883	0.102	17.894	0.106	17.900	0.079	17.914	0.024
17.927	0.012	17.939	0.035	17.955	0.059	17.963	0.035
17.977	0.000	17.989	0.020	18.011	0.047	18.034	0.055
18.056	0.054	18.068	0.043	18.091	0.004	18.105	-0.004
18.132	-0.012	18.147	-0.008	18.162	0.015	18.184	0.058
18.197	0.023	18.215	-0.012	18.225	0.007	18.238	0.050
18.256	0.054	18.265	0.030	18.276	0.003	18.294	-0.060
18.303	-0.056	18.322	-0.021	18.335	0.003	18.344	-0.013
18.366	-0.072	18.375	-0.060	18.388	-0.029	18.400	-0.025
18.409	-0.041	18.430	-0.146	18.440	-0.158	18.449	-0.134
18.472	-0.010	18.485	0.025	18.520	0.029	18.538	0.056
18.556	0.088	18.573	0.060	18.587	0.048	18.604	0.056
18.621	0.037	18.652	-0.018	18.664	-0.010	18.683	0.009
18.699	-0.010	18.734	-0.026	18.749	-0.010	18.774	0.076
18.787	0.091	18.800	0.080	18.823	0.068	18.843	0.084
18.861	0.095	18.878	0.080	18.901	0.064	18.918	0.076
18.933	0.048	18.961	-0.002	18.985	-0.033	18.996	-0.006
19.011	0.060	19.019	0.080	19.028	0.052	19.041	0.013
19.055	-0.010	19.076	0.013	19.100	0.052	19.125	0.045
19.138	0.037	19.160	0.025	19.180	0.045	19.199	0.029
19.209	0.041	19.226	0.091	19.232	0.099	19.249	0.072
19.272	0.013	19.290	0.002	19.305	0.013	19.322	0.033
19.335	0.033	19.348	0.052	19.362	0.032	19.387	-0.003
19.401	-0.057	19.411	-0.069	19.427	-0.042	19.447	-0.015
19.465	-0.007	19.490	0.028	19.507	0.051	19.514	0.032
19.524	0.008	19.542	-0.038	19.555	-0.066	19.566	-0.074
19.577	-0.058	19.594	-0.023	19.607	-0.046	19.618	-0.074
19.630	-0.081	19.643	-0.058	19.657	-0.027	19.665	-0.042
19.682	-0.105	19.694	-0.113	19.703	-0.089	19.726	-0.007
19.740	0.016	19.751	-0.003	19.760	-0.031	19.776	-0.070
19.782	-0.077	19.792	-0.058	19.818	0.028	19.844	0.009
19.853	0.024	19.869	0.056	19.881	0.048	19.903	0.009
19.927	-0.014	19.936	-0.006	19.954	0.049	19.966	0.080
19.973	0.072	19.987	0.026	20.001	-0.001	20.031	0.014
20.050	0.042	20.071	0.092	20.083	0.108	20.094	0.077
20.109	0.018	20.121	0.007	20.143	0.003	20.157	0.026
20.173	0.042	20.188	0.038	20.206	0.007	20.219	-0.025
20.235	-0.021	20.257	0.030	20.274	0.057	20.289	0.065
20.295	0.050	20.310	-0.005	20.321	-0.040	20.329	-0.021
20.350	0.077	20.361	0.100	20.368	0.081	20.391	0.034
20.411	0.011	20.421	0.003	20.444	0.030	20.461	0.057
20.489	0.065	20.506	0.077	20.517	0.054	20.540	-0.021
20.554	-0.028	20.564	-0.005	20.580	0.038	20.590	0.054
20.600	0.011	20.610	-0.040	20.622	-0.044	20.630	-0.013
20.650	0.054	20.659	0.061	20.667	0.030	20.687	-0.063
20.700	-0.075	20.732	-0.028	20.747	-0.013	20.760	-0.032
20.782	-0.056	20.802	-0.053	20.824	-0.080	20.842	-0.077
20.871	0.056	20.889	0.106	20.900	0.114	20.907	0.090
20.935	0.024	20.954	0.043	20.970	0.054	20.990	0.019

21.010	0.026	21.028	0.007	21.054	-0.052	21.070	-0.068
21.105	-0.045	21.125	-0.030	21.147	-0.043	21.158	-0.047
21.179	0.023	21.192	0.026	21.217	-0.025	21.228	-0.002
21.246	0.056	21.258	0.075	21.274	0.063	21.290	0.066
21.301	0.101	21.314	0.116	21.319	0.108	21.326	0.096
21.333	0.073	21.340	0.057	21.348	0.045	21.359	0.033
21.366	0.028	21.372	0.012	21.378	0.008	21.385	-0.004
21.391	-0.012	21.397	-0.020	21.403	-0.025	21.408	-0.025
21.414	-0.018	21.423	-0.010	21.428	0.005	21.439	0.023
21.449	0.023	21.457	0.018	21.464	0.006	21.472	-0.003
21.481	-0.011	21.488	-0.016	21.494	-0.016	21.502	-0.032
21.509	-0.045	21.515	-0.057	21.522	-0.073	21.526	-0.081
21.530	-0.093	21.534	-0.097	21.542	-0.094	21.549	-0.083
21.554	-0.079	21.559	-0.083	21.566	-0.084	21.572	-0.088
21.577	-0.092	21.584	-0.092	21.587	-0.092	21.593	-0.100
21.599	-0.097	21.609	-0.093	21.615	-0.093	21.622	-0.101
21.629	-0.109	21.637	-0.117	21.638	-0.117	21.646	-0.118
21.654	-0.106	21.660	-0.095	21.667	-0.079	21.672	-0.072
21.678	-0.080	21.688	-0.084	21.694	-0.088	21.702	-0.084
21.709	-0.073	21.716	-0.061	21.723	-0.046	21.729	-0.038
21.734	-0.034	21.741	-0.042	21.747	-0.050	21.753	-0.058
21.759	-0.066	21.762	-0.078	21.769	-0.082	21.773	-0.082
21.780	-0.079	21.788	-0.071	21.797	-0.048	21.803	-0.040
21.809	-0.032	21.814	-0.020	21.818	-0.005	21.822	-0.001
21.827	-0.001	21.835	-0.008	21.842	-0.016	21.849	-0.039
21.856	-0.059	21.859	-0.074	21.864	-0.098	21.872	-0.113
21.881	-0.109	21.890	-0.094	21.896	-0.078	21.900	-0.070
21.908	-0.066	21.915	-0.062	21.922	-0.062	21.929	-0.066
21.937	-0.070	21.945	-0.069	21.954	-0.065	21.961	-0.058
21.969	-0.046	21.976	-0.034	21.984	-0.018	21.990	-0.010
21.998	-0.010	22.004	-0.010	22.012	-0.010	22.016	-0.010
22.025	-0.014	22.031	-0.010	22.036	-0.002	22.042	0.002
22.048	0.010	22.051	0.010	22.054	0.014	22.061	0.022
22.069	0.037	22.075	0.049	22.083	0.053	22.087	0.053
22.093	0.049	22.096	0.038	22.100	0.038	22.105	0.026
22.111	0.018	22.115	0.011	22.125	0.027	22.132	0.042
22.137	0.058	22.142	0.066	22.149	0.062	22.155	0.043
22.161	0.023	22.168	0.008	22.177	0.000	22.184	-0.008
22.192	-0.008	22.202	-0.007	22.211	-0.007	22.223	-0.015
22.230	-0.026	22.237	-0.030	22.243	-0.034	22.249	-0.030
22.260	-0.030	22.270	-0.010	22.277	0.009	22.284	0.021
22.291	0.025	22.298	0.010	22.304	0.002	22.312	-0.010
22.319	-0.033	22.323	-0.045	22.332	-0.041	22.339	-0.021
22.348	0.002	22.353	0.022	22.363	0.026	22.370	0.014
22.378	0.003	22.386	-0.013	22.391	-0.036	22.397	-0.040
22.404	-0.052	22.412	-0.059	22.418	-0.063	22.423	-0.071
22.431	-0.083	22.437	-0.094	22.444	-0.098	22.446	-0.098
22.454	-0.090	22.461	-0.082	22.466	-0.067	22.474	-0.059
22.481	-0.051	22.487	-0.055	22.492	-0.055	22.497	-0.063
22.502	-0.070	22.507	-0.082	22.516	-0.078	22.522	-0.082
22.528	-0.082	22.534	-0.090	22.540	-0.094	22.545	-0.105
22.552	-0.113	22.561	-0.109	22.569	-0.093	22.575	-0.074
22.581	-0.054	22.588	-0.039	22.591	-0.031	22.597	-0.031
22.603	-0.038	22.609	-0.046	22.616	-0.054	22.623	-0.069
22.628	-0.081	22.637	-0.089	22.645	-0.089	22.652	-0.085
22.660	-0.085	22.671	-0.081	22.680	-0.073	22.687	-0.057

22.696	-0.037	22.706	-0.053	22.709	-0.068	22.719	-0.084
22.726	-0.099	22.737	-0.115	22.745	-0.130	22.752	-0.134
22.756	-0.138	22.765	-0.138	22.772	-0.134	22.781	-0.118
22.788	-0.106	22.794	-0.094	22.800	-0.086	22.806	-0.078
22.816	-0.074	22.819	-0.082	22.827	-0.090	22.833	-0.105
22.842	-0.124	22.851	-0.140	22.861	-0.144	22.869	-0.124
22.877	-0.100	22.885	-0.085	22.892	-0.069	22.901	-0.065
22.911	-0.049	22.918	-0.041	22.924	-0.033	22.929	-0.021
22.937	-0.005	22.943	0.003	22.951	0.011	22.966	0.026
22.975	0.034	22.987	0.035	22.994	0.035	23.004	0.035
23.018	0.043	23.031	0.051	23.042	0.052	23.052	0.052
23.058	0.060	23.071	0.060	23.080	0.068	23.089	0.068
23.098	0.068	23.106	0.069	23.115	0.069	23.120	0.065
23.130	0.065	23.134	0.061	23.140	0.046	23.148	0.030
23.154	0.023	23.164	0.023	23.174	0.023	23.183	0.023
23.192	0.035	23.202	0.043	23.208	0.051	23.218	0.040
23.229	0.024	23.236	0.009	23.246	0.001	23.255	0.001
23.266	0.001	23.275	0.002	23.281	0.002	23.290	0.002
23.299	0.006	23.312	0.014	23.321	0.010	23.331	-0.005
23.341	-0.017	23.347	-0.017	23.358	-0.016	23.370	-0.008
23.381	-0.016	23.390	-0.020	23.399	-0.023	23.409	-0.023
23.421	-0.015	23.434	-0.003	23.446	-0.007	23.455	-0.019
23.465	-0.018	23.478	-0.022	23.490	-0.030	23.497	-0.033
23.506	-0.045	23.512	-0.057	23.520	-0.056	23.530	-0.052
23.545	-0.036	23.557	-0.032	23.565	-0.024	23.575	-0.024
23.587	-0.032	23.597	-0.051	23.611	-0.063	23.623	-0.078
23.629	-0.082	23.639	-0.070	23.648	-0.059	23.658	-0.047
23.676	-0.043	23.695	-0.042	23.708	-0.046	23.726	-0.046
23.731	-0.046	23.739	-0.046	23.747	-0.034	23.759	-0.011
23.770	0.001	23.778	0.009	23.786	0.005	23.799	-0.006
23.807	-0.026	23.815	-0.042	23.823	-0.041	23.833	-0.034
23.841	-0.026	23.848	-0.014	23.862	0.005	23.869	0.013
23.877	0.029	23.887	0.033	23.895	0.045	23.904	0.052
23.911	0.049	23.925	0.025	23.935	0.014	23.946	-0.002
23.956	0.002	23.965	0.025	23.976	0.041	23.986	0.057
23.993	0.064	24.004	0.061	24.011	0.045	24.019	0.033
24.029	0.018	24.037	0.006	24.046	0.006	24.057	0.006
24.068	0.002	24.074	-0.009	24.086	-0.021	24.093	-0.025
24.105	-0.025	24.116	-0.021	24.126	-0.017	24.135	-0.005
24.146	0.003	24.158	0.011	24.168	0.007	24.175	-0.005
24.183	-0.016	24.193	-0.020	24.205	-0.012	24.211	-0.000
24.220	0.008	24.230	0.008	24.239	-0.012	24.246	-0.031
24.253	-0.062	24.265	-0.078	24.279	-0.058	24.292	-0.042
24.304	-0.038	24.316	-0.030	24.328	-0.026	24.338	-0.003
24.349	0.009	24.357	0.017	24.370	0.010	24.379	-0.009
24.392	-0.028	24.402	-0.040	24.413	-0.040	24.420	-0.032
24.432	-0.027	24.443	-0.031	24.458	-0.035	24.471	-0.038
24.479	-0.038	24.486	-0.046	24.498	-0.053	24.506	-0.061
24.515	-0.068	24.522	-0.080	24.529	-0.083	24.538	-0.099
24.548	-0.099	24.559	-0.090	24.568	-0.082	24.579	-0.070
24.591	-0.058	24.602	-0.050	24.614	-0.046	24.626	-0.030
24.635	0.005	24.643	0.021	24.649	0.025	24.659	0.014
24.673	-0.005	24.682	-0.036	24.691	-0.043	24.701	-0.031
24.717	-0.011	24.726	0.001	24.735	0.002	24.745	0.014
24.757	0.010	24.766	0.011	24.774	0.011	24.782	0.007
24.791	0.023	24.801	0.031	24.811	0.040	24.820	0.032

24.831	0.029	24.841	0.037	24.851	0.045	24.858	0.053
24.868	0.045	24.878	0.022	24.890	0.011	24.899	-0.005
24.911	0.004	24.923	0.016	24.938	0.028	24.951	0.024
24.963	0.021	24.969	0.017	24.980	0.013	24.987	0.006
24.996	-0.002	25.006	-0.002	25.015	0.010	25.027	0.026
25.039	0.034	25.048	0.031	25.056	0.023	25.066	0.008
25.078	0.000	25.087	0.000	25.099	0.001	25.110	0.001
25.122	0.001	25.131	0.009	25.138	0.028	25.148	0.036
25.157	0.044	25.167	0.044	25.172	0.036	25.179	0.017
25.188	-0.011	25.202	-0.026	25.217	-0.034	25.227	-0.030
25.243	-0.022	25.255	-0.030	25.266	-0.026	25.272	-0.014
25.284	-0.002	25.293	0.001	25.303	-0.006	25.313	-0.018
25.318	-0.033	25.327	-0.045	25.338	-0.057	25.352	-0.057
25.357	-0.041	25.366	-0.033	25.376	-0.022	25.387	-0.025
25.397	-0.033	25.409	-0.029	25.422	-0.017	25.436	-0.002
25.443	0.002	25.457	-0.021	25.469	-0.041	25.476	-0.045
25.485	-0.037	25.496	-0.017	25.508	-0.002	25.516	-0.005
25.526	-0.021	25.533	-0.033	25.543	-0.044	25.554	-0.040
25.566	-0.021	25.573	-0.013	25.585	-0.001	25.598	0.007
25.609	0.007	25.618	0.011	25.628	0.011	25.639	0.019
25.650	0.030	25.658	0.042	25.667	0.050	25.676	0.058
25.684	0.062	25.691	0.066	25.700	0.070	25.711	0.062
25.719	0.054	25.727	0.051	25.740	0.051	25.749	0.062
25.764	0.070	25.775	0.078	25.787	0.086	25.797	0.090
25.810	0.086	25.823	0.067	25.837	0.048	25.846	0.028
25.857	0.028	25.872	0.052	25.887	0.060	25.903	0.056
25.915	0.052	25.925	0.037	25.933	0.025	25.943	0.010
25.951	-0.002	25.961	-0.006	25.974	0.010	25.986	0.022
25.994	0.033	26.005	0.045	26.015	0.053	26.030	0.053
26.038	0.053	26.046	0.050	26.056	0.042	26.067	0.026
26.077	0.026	26.087	0.026	26.095	0.027	26.103	0.023
26.113	0.019	26.123	0.019	26.133	0.043	26.148	0.047
26.160	0.043	26.167	0.027	26.176	0.016	26.186	0.012
26.197	0.020	26.205	0.024	26.217	0.016	26.226	-0.003
26.230	-0.011	26.237	-0.034	26.247	-0.053	26.257	-0.065
26.267	-0.057	26.276	-0.045	26.284	-0.033	26.295	-0.018
26.306	-0.017	26.316	-0.013	26.325	-0.009	26.334	-0.013
26.341	-0.032	26.352	-0.044	26.360	-0.052	26.369	-0.047
26.382	-0.039	26.388	-0.028	26.401	-0.016	26.413	-0.012
26.424	-0.004	26.436	0.004	26.446	0.001	26.457	0.001
26.472	0.009	26.487	0.021	26.496	0.013	26.513	-0.010
26.527	-0.017	26.542	-0.021	26.554	-0.021	26.567	-0.013
26.582	-0.013	26.593	-0.012	26.602	-0.005	26.615	0.003
26.625	0.015	26.633	0.019	26.642	0.011	26.654	0.004
26.666	0.008	26.676	0.008	26.686	0.016	26.696	0.039
26.708	0.051	26.718	0.043	26.730	0.028	26.739	0.012
26.752	-0.015	26.763	-0.023	26.779	-0.026	26.792	-0.034
26.800	-0.034	26.809	-0.034	26.820	-0.022	26.830	-0.007
26.840	0.009	26.851	0.017	26.862	0.025	26.876	0.021
26.887	0.005	26.901	-0.003	26.910	0.005	26.921	0.021
26.931	0.033	26.944	0.041	26.953	0.021	26.964	0.013
26.973	0.002	26.986	0.013	26.995	0.021	27.005	0.033
27.014	0.017	27.023	0.014	27.034	0.021	27.045	0.033
27.053	0.045	27.063	0.053	27.075	0.057	27.084	0.041
27.094	0.029	27.101	0.014	27.111	0.018	27.120	0.029
27.132	0.037	27.140	0.045	27.148	0.053	27.158	0.061

27.166	0.061	27.175	0.061	27.185	0.065	27.196	0.073
27.205	0.085	27.217	0.092	27.231	0.093	27.240	0.085
27.250	0.073	27.259	0.062	27.270	0.050	27.276	0.046
27.285	0.038	27.291	0.031	27.304	0.019	27.318	-0.000
27.327	0.008	27.338	0.015	27.348	0.023	27.360	0.016
27.369	0.020	27.377	0.016	27.383	0.012	27.389	0.005
27.396	-0.007	27.406	-0.019	27.415	-0.046	27.424	-0.053
27.430	-0.061	27.436	-0.065	27.451	-0.049	27.462	-0.022
27.478	-0.021	27.491	-0.013	27.506	-0.009	27.516	-0.005
27.528	-0.013	27.539	-0.024	27.552	-0.036	27.566	-0.043
27.577	-0.051	27.588	-0.055	27.600	-0.054	27.613	-0.046
27.622	-0.046	27.636	-0.038	27.643	-0.034	27.652	-0.030
27.660	-0.018	27.667	-0.006	27.678	0.002	27.685	0.014
27.703	0.018	27.713	0.019	27.720	0.003	27.729	-0.012
27.737	-0.024	27.749	-0.027	27.762	-0.023	27.771	-0.019
27.782	-0.011	27.791	-0.010	27.801	-0.010	27.810	-0.010
27.825	-0.005	27.833	0.006	27.846	0.019	27.862	0.027
27.880	0.035	27.896	0.035	27.908	0.020	27.926	0.013
27.939	0.005	27.950	-0.002	27.960	-0.002	27.969	-0.014
27.981	-0.017	27.991	-0.025	28.002	-0.017	28.012	-0.005
28.021	0.007	28.033	0.015	28.047	0.015	28.057	0.012
28.068	0.008	28.082	0.012	28.097	0.017	28.110	0.021
28.122	0.025	28.132	0.033	28.142	0.037	28.152	0.025
28.165	0.014	28.175	-0.002	28.187	0.002	28.195	0.006
28.207	0.010	28.217	0.010	28.226	0.010	28.235	0.014
28.243	0.018	28.250	0.018	28.260	0.018	28.267	0.022
28.275	0.026	28.284	0.027	28.291	0.027	28.300	0.034
28.309	0.038	28.315	0.042	28.322	0.046	28.332	0.050
28.338	0.050	28.344	0.051	28.353	0.051	28.358	0.047
28.362	0.039	28.366	0.027	28.369	0.027	28.376	0.031
28.380	0.047	28.384	0.043	28.388	0.032	28.393	0.004
28.397	-0.003	28.402	-0.003	28.406	-0.003	28.411	0.005
28.417	0.005	28.423	-0.003	28.428	-0.011	28.433	-0.019
28.437	-0.015	28.442	-0.007	28.448	0.013	28.454	0.017
28.459	0.013	28.463	0.013	28.467	0.009	28.472	0.013
28.477	0.017	28.483	0.025	28.488	0.021	28.494	0.006
28.499	-0.002	28.505	-0.002	28.510	-0.010	28.514	-0.010
28.517	-0.010	28.522	-0.010	28.525	-0.006	28.528	-0.002
28.532	0.006	28.537	0.010	28.541	0.010	28.544	0.006
28.547	-0.002	28.551	-0.009	28.554	-0.017	28.558	-0.029
28.563	-0.029	28.568	-0.029	28.571	-0.021	28.576	-0.009
28.578	-0.009	28.582	-0.005				

IG108
71.022 2/9/71 0600 PST C.I.T. MILLIKAN LIBRARY,BASEMENT NORTH

4870 POINTS 99.240 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1584 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.012	0.024	-0.008	0.049	-0.050	0.067	-0.067
0.092	-0.032	0.113	0.018	0.147	0.029	0.175	-0.006
0.190	-0.016	0.208	0.002	0.221	0.007	0.238	-0.004
0.254	-0.022	0.276	-0.065	0.287	-0.072	0.306	-0.038
0.317	-0.027	0.335	-0.009	0.353	0.043	0.365	0.068
0.381	0.078	0.395	0.082	0.410	0.067	0.424	0.017
0.442	-0.077	0.453	-0.116	0.466	-0.109	0.491	-0.046
0.516	0.002	0.537	0.016	0.556	0.016	0.579	0.026
0.611	0.041	0.639	0.023	0.650	0.016	0.674	0.004
0.687	-0.026	0.705	-0.080	0.717	-0.088	0.737	-0.092
0.762	-0.137	0.773	-0.121	0.796	-0.001	0.812	0.035
0.833	0.027	0.855	0.022	0.880	0.009	0.900	-0.004
0.924	-0.008	0.953	-0.007	0.978	-0.033	0.998	-0.038
1.028	0.019	1.038	0.026	1.054	0.013	1.082	0.038
1.117	0.136	1.126	0.125	1.148	0.000	1.169	-0.077
1.187	-0.098	1.202	-0.100	1.222	-0.078	1.235	-0.045
1.252	-0.000	1.271	0.028	1.295	0.050	1.311	0.068
1.324	0.068	1.337	0.032	1.349	-0.013	1.367	-0.049
1.388	-0.073	1.405	-0.054	1.425	0.025	1.434	0.042
1.447	0.010	1.465	-0.048	1.472	-0.052	1.492	-0.028
1.512	-0.029	1.528	-0.033	1.541	-0.017	1.560	0.017
1.572	0.021	1.589	-0.009	1.598	-0.010	1.613	0.007
1.629	0.005	1.643	-0.010	1.657	-0.037	1.674	-0.067
1.692	-0.063	1.708	-0.025	1.724	0.045	1.736	0.080
1.746	0.074	1.763	0.043	1.773	0.036	1.787	0.030
1.803	0.001	1.814	-0.015	1.828	-0.007	1.848	0.022
1.854	0.017	1.877	-0.044	1.905	-0.085	1.920	-0.069
1.945	0.013	1.959	0.047	1.981	0.049	1.997	0.041
2.013	0.021	2.041	-0.006	2.063	0.040	2.081	0.051
2.099	-0.038	2.115	-0.142	2.122	-0.147	2.146	-0.016
2.172	0.129	2.185	0.143	2.204	0.089	2.235	0.015
2.254	-0.011	2.266	-0.037	2.285	-0.056	2.317	-0.039
2.338	-0.037	2.363	0.026	2.373	0.036	2.406	-0.053
2.433	-0.079	2.450	-0.055	2.464	-0.042	2.482	-0.057
2.503	-0.055	2.544	-0.011	2.566	-0.039	2.580	-0.067
2.601	-0.087	2.610	-0.074	2.635	0.000	2.658	0.006
2.674	-0.001	2.703	0.022	2.727	0.025	2.736	0.044
2.749	0.109	2.761	0.109	2.789	-0.027	2.804	-0.047
2.822	0.011	2.840	0.041	2.864	0.020	2.878	0.003
2.900	-0.016	2.924	-0.016	2.941	-0.013	2.959	-0.001

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
2.976	0.025	2.992	0.036	3.004	0.020	3.018	-0.017
3.042	-0.038	3.064	-0.022	3.088	-0.033	3.105	-0.034
3.129	0.018	3.143	0.031	3.159	0.022	3.180	0.025
3.221	0.055	3.247	0.070	3.267	0.048	3.289	0.017
3.299	0.031	3.328	0.090	3.351	0.062	3.363	0.054
3.386	0.104	3.398	0.094	3.421	-0.013	3.431	-0.018
3.453	0.069	3.465	0.064	3.482	-0.027	3.505	-0.101
3.528	-0.098	3.551	-0.069	3.584	-0.037	3.605	-0.017
3.630	0.051	3.641	0.055	3.657	-0.003	3.672	-0.024
3.685	0.013	3.697	0.066	3.715	0.097	3.732	0.050
3.758	-0.060	3.783	-0.106	3.801	-0.076	3.834	0.055
3.842	0.064	3.862	0.056	3.873	0.109	3.887	0.218
3.899	0.239	3.915	0.140	3.927	0.053	3.935	0.033
3.949	0.026	3.968	-0.007	3.987	-0.003	3.999	0.041
4.036	0.191	4.057	0.197	4.076	0.193	4.094	0.205
4.110	0.166	4.132	0.060	4.152	0.015	4.170	0.027
4.189	-0.017	4.211	-0.169	4.245	-0.385	4.260	-0.432
4.275	-0.405	4.294	-0.315	4.319	-0.174	4.343	0.005
4.355	0.070	4.378	0.116	4.393	0.209	4.408	0.355
4.417	0.399	4.429	0.336	4.458	0.014	4.488	-0.362
4.495	-0.428	4.522	-0.595	4.541	-0.730	4.551	-0.771
4.568	-0.711	4.581	-0.515	4.597	-0.063	4.611	0.404
4.620	0.624	4.632	0.831	4.642	0.930	4.656	1.021
4.671	1.113	4.681	1.141	4.695	1.073	4.715	0.819
4.730	0.601	4.743	0.448	4.755	0.320	4.763	0.189
4.777	-0.107	4.791	-0.340	4.811	-0.572	4.839	-0.887
4.850	-0.937	4.872	-0.835	4.892	-0.582	4.912	-0.110
4.923	0.149	4.933	0.287	4.939	0.298	4.963	0.241
4.972	0.245	4.991	0.285	5.008	0.286	5.028	0.244
5.037	0.180	5.060	-0.066	5.068	-0.099	5.074	-0.073
5.101	0.090	5.124	0.233	5.137	0.309	5.157	0.353
5.167	0.332	5.185	0.272	5.203	0.216	5.216	0.104
5.239	-0.223	5.262	-0.438	5.268	-0.441	5.292	-0.310
5.304	-0.295	5.331	-0.425	5.342	-0.483	5.354	-0.474
5.382	-0.242	5.409	0.048	5.420	0.132	5.443	0.248
5.477	0.499	5.498	0.645	5.507	0.662	5.519	0.599
5.537	0.423	5.552	0.246	5.572	-0.077	5.587	-0.331
5.605	-0.558	5.617	-0.668	5.630	-0.706	5.645	-0.565
5.667	-0.139	5.683	0.175	5.714	0.620	5.728	0.726
5.749	0.733	5.765	0.603	5.786	0.224	5.807	-0.343

5.823	-0.801	5.841	-1.194	5.849	-1.268	5.862	-1.132
5.883	-0.524	5.897	-0.001	5.918	0.617	5.939	1.078
5.947	1.127	5.968	1.050	5.981	1.008	5.994	0.797
6.026	-0.204	6.032	-0.364	6.039	-0.422	6.066	-0.348
6.085	-0.227	6.103	-0.004	6.116	0.036	6.127	-0.019
6.139	-0.101	6.158	-0.157	6.175	-0.150	6.193	-0.115
6.210	-0.033	6.243	0.201	6.256	0.277	6.265	0.243
6.297	-0.136	6.324	-0.450	6.344	-0.621	6.353	-0.630
6.369	-0.559	6.388	-0.422	6.409	-0.142	6.424	0.089
6.451	0.437	6.464	0.581	6.473	0.606	6.484	0.457
6.503	-0.000	6.513	-0.234	6.520	-0.326	6.530	-0.332
6.550	-0.134	6.562	-0.015	6.576	0.029	6.590	-0.015
6.600	-0.049	6.616	-0.072	6.629	-0.135	6.666	-0.498
6.690	-0.766	6.710	-0.981	6.717	-1.006	6.720	-0.964
6.742	-0.300	6.761	0.397	6.770	0.713	6.779	0.979
6.792	1.210	6.802	1.314	6.813	1.353	6.824	1.254
6.842	0.842	6.852	0.505	6.865	0.135	6.875	-0.136
6.886	-0.369	6.898	-0.559	6.911	-0.693	6.924	-0.753
6.938	-0.727	6.962	-0.602	6.973	-0.569	6.976	-0.583
6.992	-0.694	7.015	-0.782	7.028	-0.787	7.038	-0.653
7.057	-0.042	7.075	0.745	7.090	1.340	7.106	1.806
7.119	2.046	7.129	2.063	7.152	1.699	7.177	1.039
7.200	0.281	7.210	0.005	7.219	-0.142	7.237	-0.331
7.262	-0.552	7.271	-0.590	7.283	-0.520	7.308	-0.241
7.317	-0.193	7.327	-0.275	7.369	-0.921	7.379	-1.013
7.388	-0.998	7.409	-0.856	7.425	-0.728	7.447	-0.506
7.480	-0.272	7.500	-0.193	7.515	-0.079	7.535	0.163
7.574	0.633	7.586	0.700	7.609	0.262	7.625	-0.109
7.637	-0.197	7.656	-0.165	7.674	-0.289	7.702	-0.841
7.723	-1.132	7.733	-1.168	7.750	-0.817	7.767	-0.177
7.775	0.342	7.782	0.614	7.788	0.774	7.822	1.161
7.828	1.201	7.839	1.145	7.849	0.878	7.862	0.674
7.872	0.626	7.883	0.642	7.900	0.554	7.923	0.386
7.942	0.358	7.966	0.154	7.986	0.074	8.004	0.083
8.016	-0.029	8.046	-0.567	8.058	-0.743	8.072	-0.830
8.081	-0.834	8.096	-0.750	8.119	-0.350	8.138	0.106
8.151	0.230	8.170	0.355	8.193	0.623	8.201	0.687
8.215	0.548	8.237	-0.039	8.245	-0.179	8.266	-0.226
8.289	-0.517	8.311	-0.876	8.322	-1.012	8.334	-0.984
8.354	-0.720	8.379	-0.248	8.403	0.052	8.416	0.144
8.438	0.124	8.451	0.140	8.466	0.124	8.479	0.168
8.494	0.081	8.521	-0.398	8.533	-0.482	8.544	-0.394
8.572	0.306	8.583	0.657	8.605	0.973	8.634	1.605
8.644	1.769	8.651	1.785	8.667	1.505	8.679	1.025
8.690	0.610	8.701	0.206	8.713	-0.149	8.725	-0.445
8.733	-0.613	8.743	-0.677	8.756	-0.605	8.784	-0.193
8.805	0.166	8.816	0.314	8.828	0.378	8.842	0.314
8.863	0.070	8.879	-0.033	8.892	-0.141	8.909	-0.109
8.933	-0.021	8.959	0.082	8.982	0.227	8.993	0.259
9.009	0.127	9.028	-0.172	9.041	-0.340	9.057	-0.472
9.067	-0.500	9.083	-0.451	9.108	-0.455	9.130	-0.339
9.142	-0.311	9.155	-0.387	9.171	-0.566	9.190	-0.646
9.203	-0.638	9.233	-0.358	9.245	-0.226	9.267	0.098
9.280	0.170	9.305	0.194	9.328	0.318	9.340	0.274
9.366	-0.349	9.375	-0.477	9.404	-0.705	9.413	-0.797
9.424	-0.749	9.435	-0.629	9.492	0.690	9.503	0.890

9.530	1.033	9.546	0.985	9.566	0.742	9.585	0.343
9.610	-0.020	9.621	-0.043	9.634	-0.075	9.658	-0.186
9.671	-0.186	9.692	-0.089	9.706	-0.092	9.739	-0.255
9.767	-0.326	9.785	-0.325	9.835	-0.159	9.851	-0.155
9.878	-0.386	9.892	-0.409	9.909	-0.281	9.937	0.138
9.959	0.333	9.978	0.293	9.994	0.325	10.014	0.169
10.032	0.129	10.074	-0.288	10.086	-0.340	10.104	-0.348
10.129	-0.464	10.142	-0.484	10.152	-0.448	10.166	-0.281
10.191	0.206	10.211	0.378	10.221	0.390	10.250	0.267
10.260	0.275	10.276	0.311	10.289	0.267	10.306	0.148
10.317	0.128	10.344	0.268	10.363	0.440	10.385	0.764
10.399	0.896	10.408	0.932	10.418	0.889	10.442	0.625
10.461	0.546	10.480	0.390	10.509	0.035	10.528	-0.096
10.551	-0.088	10.575	-0.107	10.607	-0.114	10.638	0.134
10.663	0.289	10.686	0.429	10.702	0.356	10.736	-0.276
10.759	-0.668	10.780	-0.848	10.791	-0.880	10.804	-0.809
10.832	-0.525	10.876	-0.197	10.896	-0.121	10.924	-0.157
10.942	-0.137	10.988	0.110	11.018	0.298	11.049	0.382
11.070	0.334	11.104	0.001	11.124	-0.200	11.136	-0.241
11.145	-0.229	11.168	-0.099	11.179	-0.035	11.198	0.066
11.219	0.279	11.230	0.355	11.251	0.404	11.262	0.373
11.284	0.258	11.310	0.032	11.321	-0.012	11.344	-0.027
11.364	-0.070	11.387	-0.049	11.405	-0.049	11.425	-0.077
11.441	-0.137	11.460	-0.301	11.480	-0.517	11.490	-0.589
11.501	-0.617	11.518	-0.561	11.532	-0.445	11.560	-0.125
11.571	-0.033	11.588	0.074	11.612	0.158	11.625	0.202
11.637	0.186	11.666	-0.029	11.676	-0.069	11.704	-0.105
11.716	-0.149	11.733	-0.245	11.743	-0.277	11.758	-0.241
11.793	-0.134	11.817	-0.098	11.833	-0.022	11.855	0.157
11.867	0.221	11.886	0.284	11.894	0.300	11.914	0.272
11.932	0.244	11.952	0.260	11.961	0.232	11.987	0.035
11.997	-0.033	12.007	-0.037	12.030	0.035	12.043	0.095
12.071	0.330	12.081	0.383	12.089	0.395	12.099	0.375
12.111	0.299	12.133	0.028	12.144	-0.120	12.154	-0.199
12.181	-0.315	12.196	-0.394	12.203	-0.418	12.219	-0.378
12.233	-0.254	12.249	-0.002	12.259	0.103	12.271	0.223
12.282	0.271	12.306	0.260	12.327	0.237	12.346	0.250
12.353	0.206	12.375	0.055	12.385	-0.033	12.392	-0.048
12.401	-0.024	12.425	0.097	12.432	0.137	12.445	0.149
12.460	0.162	12.478	0.174	12.484	0.166	12.512	0.042
12.521	-0.010	12.536	-0.039	12.557	-0.111	12.571	-0.131
12.576	-0.119	12.593	-0.084	12.602	-0.064	12.622	-0.068
12.629	-0.056	12.652	-0.017	12.665	-0.001	12.677	-0.009
12.704	-0.058	12.721	-0.102	12.734	-0.138	12.747	-0.199
12.759	-0.219	12.770	-0.192	12.781	-0.144	12.800	-0.093
12.819	-0.017	12.830	0.030	12.840	0.038	12.855	-0.007
12.871	-0.055	12.892	-0.084	12.903	-0.136	12.923	-0.296
12.935	-0.357	12.942	-0.381	12.956	-0.369	12.972	-0.338
12.995	-0.331	13.005	-0.299	13.017	-0.231	13.039	0.008
13.048	0.067	13.066	0.175	13.078	0.238	13.088	0.250
13.098	0.239	13.111	0.195	13.126	0.100	13.139	0.028
13.155	-0.023	13.177	-0.083	13.187	-0.074	13.207	-0.042
13.215	-0.058	13.245	-0.158	13.263	-0.186	13.276	-0.186
13.286	-0.170	13.303	-0.131	13.313	-0.127	13.322	-0.159
13.340	-0.227	13.348	-0.236	13.353	-0.220	13.372	-0.124
13.380	-0.100	13.385	-0.124	13.403	-0.197	13.413	-0.221

13.425	-0.237	13.454	-0.245	13.468	-0.281	13.480	-0.293
13.492	-0.265	13.504	-0.181	13.530	0.038	13.544	0.118
13.571	0.246	13.591	0.326	13.608	0.378	13.625	0.426
13.641	0.430	13.652	0.410	13.664	0.354	13.692	0.114
13.715	-0.065	13.732	-0.181	13.747	-0.237	13.760	-0.269
13.769	-0.273	13.778	-0.241	13.802	-0.121	13.817	-0.037
13.840	0.150	13.852	0.210	13.863	0.226	13.870	0.202
13.888	0.130	13.899	0.094	13.911	0.090	13.926	0.094
13.934	0.070	13.959	-0.077	13.967	-0.133	13.975	-0.141
13.987	-0.109	14.007	-0.013	14.026	0.206	14.041	0.450
14.052	0.562	14.061	0.606	14.071	0.614	14.090	0.538
14.106	0.462	14.127	0.274	14.137	0.178	14.147	0.118
14.159	0.090	14.173	0.106	14.192	0.154	14.216	0.286
14.238	0.458	14.251	0.515	14.267	0.507	14.283	0.455
14.295	0.380	14.321	0.128	14.335	0.061	14.347	0.049
14.381	0.053	14.403	0.094	14.412	0.070	14.442	-0.125
14.452	-0.177	14.466	-0.197	14.480	-0.189	14.492	-0.161
14.506	-0.085	14.531	0.110	14.570	0.294	14.589	0.342
14.600	0.346	14.613	0.314	14.626	0.246	14.652	-0.001
14.665	-0.077	14.681	-0.129	14.694	-0.141	14.709	-0.129
14.729	-0.101	14.739	-0.105	14.745	-0.141	14.771	-0.269
14.789	-0.369	14.817	-0.493	14.828	-0.533	14.838	-0.529
14.858	-0.489	14.880	-0.321	14.905	-0.121	14.926	0.035
14.944	0.175	14.956	0.183	14.965	0.167	14.990	0.016
14.999	-0.028	15.020	-0.115	15.044	-0.247	15.053	-0.282
15.063	-0.278	15.085	-0.230	15.094	-0.226	15.106	-0.246
15.117	-0.217	15.143	-0.097	15.159	-0.061	15.170	-0.057
15.182	-0.069	15.211	-0.037	15.220	-0.045	15.248	-0.189
15.264	-0.233	15.293	-0.277	15.309	-0.349	15.323	-0.393
15.334	-0.405	15.345	-0.389	15.373	-0.329	15.392	-0.257
15.424	-0.097	15.434	-0.053	15.460	-0.021	15.478	0.034
15.494	0.066	15.526	0.106	15.540	0.150	15.582	0.354
15.597	0.422	15.607	0.454	15.620	0.483	15.632	0.491
15.641	0.463	15.676	0.416	15.696	0.352	15.724	0.272
15.736	0.229	15.764	0.037	15.785	-0.106	15.802	-0.182
15.822	-0.233	15.838	-0.225	15.858	-0.189	15.890	-0.068
15.908	-0.008	15.927	-0.016	15.953	-0.023	15.964	-0.035
15.986	-0.067	16.018	-0.046	16.038	-0.046	16.051	-0.018
16.076	0.050	16.117	0.046	16.145	-0.047	16.159	-0.063
16.187	-0.071	16.195	-0.087	16.220	-0.143	16.234	-0.160
16.256	-0.132	16.286	-0.092	16.293	-0.068	16.320	0.047
16.336	0.063	16.349	0.079	16.362	0.063	16.382	0.022
16.408	0.054	16.416	0.034	16.447	-0.061	16.464	-0.105
16.479	-0.149	16.493	-0.145	16.504	-0.113	16.537	0.014
16.547	0.058	16.568	0.094	16.580	0.114	16.600	0.154
16.609	0.142	16.627	0.086	16.632	0.070	16.661	-0.062
16.676	-0.098	16.703	-0.138	16.719	-0.155	16.734	-0.131
16.748	-0.083	16.775	0.076	16.786	0.116	16.812	0.136
16.832	0.160	16.842	0.147	16.865	0.079	16.880	0.051
16.892	0.043	16.923	0.050	16.942	0.042	16.975	0.121
16.988	0.121	17.016	0.048	17.025	0.032	17.049	0.068
17.059	0.068	17.085	-0.069	17.094	-0.101	17.112	-0.117
17.126	-0.110	17.146	-0.082	17.169	-0.035	17.189	-0.019
17.207	-0.019	17.238	-0.072	17.270	-0.092	17.300	-0.189
17.320	-0.265	17.333	-0.285	17.343	-0.277	17.390	-0.061
17.410	-0.017	17.429	-0.005	17.450	-0.041	17.468	-0.073

17.480	-0.069	17.527	0.018	17.547	0.078	17.575	0.227
17.598	0.303	17.609	0.327	17.647	0.324	17.679	0.317
17.711	0.309	17.722	0.290	17.759	0.190	17.782	0.118
17.801	0.074	17.813	0.054	17.840	-0.009	17.852	-0.025
17.865	-0.009	17.893	0.058	17.904	0.058	17.924	0.002
17.945	-0.073	17.968	-0.121	17.988	-0.149	18.014	-0.137
18.021	-0.141	18.034	-0.181	18.046	-0.221	18.064	-0.249
18.082	-0.237	18.091	-0.213	18.115	-0.113	18.135	-0.069
18.162	0.002	18.191	0.046	18.203	0.102	18.222	0.182
18.247	0.214	18.263	0.214	18.274	0.198	18.292	0.162
18.313	0.106	18.327	0.078	18.341	0.070	18.375	0.070
18.388	0.046	18.412	-0.001	18.432	-0.057	18.449	-0.105
18.461	-0.121	18.471	-0.113	18.498	-0.029	18.509	-0.009
18.521	-0.025	18.539	-0.057	18.559	-0.057	18.576	-0.073
18.598	-0.089	18.609	-0.113	18.628	-0.145	18.641	-0.165
18.655	-0.169	18.671	-0.137	18.690	-0.045	18.706	-0.005
18.720	0.014	18.735	-0.002	18.762	-0.078	18.774	-0.090
18.807	-0.039	18.823	0.013	18.844	0.112	18.866	0.156
18.887	0.180	18.901	0.179	18.915	0.159	18.939	0.111
18.973	0.102	18.985	0.106	19.017	0.214	19.034	0.242
19.044	0.234	19.073	0.138	19.097	0.058	19.112	0.022
19.140	0.006	19.154	-0.025	19.181	-0.073	19.191	-0.073
19.213	-0.017	19.235	0.034	19.251	0.042	19.266	0.022
19.297	-0.057	19.315	-0.089	19.342	-0.097	19.369	-0.169
19.383	-0.193	19.414	-0.149	19.424	-0.141	19.448	-0.113
19.476	0.018	19.490	0.050	19.504	0.034	19.548	-0.005
19.566	-0.025	19.596	-0.097	19.613	-0.117	19.626	-0.109
19.649	-0.065	19.659	-0.053	19.678	-0.053	19.703	-0.037
19.729	-0.065	19.738	-0.069	19.770	-0.009	19.778	-0.021
19.807	-0.117	19.825	-0.129	19.868	-0.125	19.895	-0.121
19.919	-0.113	19.940	-0.113	19.968	-0.057	19.998	-0.001
20.028	0.038	20.061	0.063	20.078	0.060	20.096	0.045
20.119	0.029	20.136	0.038	20.160	0.071	20.178	0.099
20.205	0.108	20.215	0.120	20.245	0.213	20.263	0.254
20.277	0.266	20.292	0.254	20.311	0.227	20.322	0.235
20.341	0.259	20.357	0.252	20.389	0.180	20.406	0.129
20.433	0.013	20.448	-0.030	20.464	-0.054	20.480	-0.074
20.495	-0.058	20.512	-0.033	20.532	-0.037	20.559	-0.064
20.578	-0.088	20.599	-0.100	20.622	-0.075	20.640	-0.059
20.664	-0.055	20.688	-0.074	20.714	-0.046	20.732	-0.045
20.768	-0.049	20.785	-0.040	20.798	-0.032	20.813	-0.044
20.836	-0.052	20.848	-0.043	20.873	0.021	20.887	0.037
20.900	0.025	20.921	0.006	20.935	-0.006	20.954	-0.006
20.980	-0.037	21.001	-0.049	21.032	-0.052	21.054	-0.036
21.083	-0.047	21.120	-0.059	21.144	-0.058	21.168	-0.046
21.184	-0.058	21.205	-0.097	21.224	-0.121	21.244	-0.141
21.268	-0.176	21.286	-0.164	21.302	-0.124	21.330	-0.127
21.343	-0.087	21.364	-0.027	21.398	-0.006	21.425	0.051
21.435	0.043	21.471	-0.052	21.504	-0.096	21.522	-0.091
21.549	-0.059	21.568	-0.038	21.594	-0.002	21.622	0.002
21.651	0.057	21.684	0.056	21.706	0.091	21.734	0.159
21.756	0.184	21.772	0.181	21.803	0.174	21.819	0.170
21.828	0.178	21.838	0.194	21.846	0.218	21.855	0.246
21.864	0.242	21.876	0.227	21.891	0.192	21.906	0.169
21.933	0.158	21.946	0.131	21.972	0.076	21.994	0.030
22.012	0.006	22.033	0.006	22.050	0.026	22.064	0.038

22.075	0.022	22.101	-0.025	22.117	-0.053	22.150	-0.069
22.166	-0.081	22.186	-0.125	22.211	-0.173	22.220	-0.197
22.233	-0.205	22.245	-0.189	22.261	-0.145	22.276	-0.121
22.290	-0.133	22.311	-0.141	22.323	-0.129	22.341	-0.101
22.360	-0.069	22.374	-0.053	22.385	-0.045	22.396	-0.053
22.418	-0.077	22.443	-0.105	22.459	-0.129	22.476	-0.169
22.488	-0.194	22.499	-0.199	22.520	-0.176	22.546	-0.177
22.559	-0.162	22.584	-0.103	22.596	-0.080	22.622	-0.089
22.636	-0.082	22.668	-0.004	22.691	0.035	22.704	0.059
22.722	0.072	22.736	0.053	22.759	0.003	22.771	-0.004
22.793	-0.003	22.812	-0.037	22.823	-0.044	22.835	-0.016
22.867	0.102	22.880	0.151	22.895	0.171	22.911	0.179
22.925	0.172	22.940	0.144	22.971	0.049	22.986	0.001
22.999	-0.026	23.015	-0.022	23.034	-0.006	23.047	-0.010
23.075	-0.046	23.100	-0.067	23.127	-0.091	23.146	-0.112
23.159	-0.120	23.169	-0.120	23.187	-0.069	23.206	0.007
23.214	0.043	23.242	0.103	23.260	0.124	23.271	0.113
23.284	0.065	23.318	-0.057	23.330	-0.092	23.345	-0.084
23.368	-0.046	23.382	-0.034	23.395	-0.038	23.419	-0.062
23.438	-0.090	23.451	-0.091	23.471	-0.087	23.496	-0.108
23.513	-0.068	23.541	0.015	23.561	0.051	23.584	0.122
23.596	0.150	23.612	0.162	23.628	0.146	23.641	0.114
23.673	0.002	23.684	-0.005	23.704	0.006	23.723	0.038
23.749	0.102	23.761	0.130	23.785	0.166	23.804	0.186
23.817	0.194	23.832	0.182	23.860	0.150	23.874	0.118
23.910	0.038	23.920	0.010	23.936	0.014	23.969	0.042
23.993	0.062	24.016	0.066	24.027	0.057	24.046	0.033
24.065	0.033	24.081	0.016	24.110	-0.000	24.120	-0.013
24.141	-0.041	24.163	-0.013	24.184	-0.001	24.201	-0.001
24.222	-0.021	24.254	-0.077	24.277	-0.117	24.292	-0.117
24.314	-0.065	24.333	-0.042	24.363	-0.026	24.381	-0.002
24.400	0.009	24.414	0.009	24.446	-0.024	24.464	-0.040
24.485	-0.092	24.498	-0.101	24.510	-0.085	24.530	-0.037
24.543	-0.018	24.575	-0.018	24.607	0.021	24.632	0.025
24.654	0.024	24.669	0.032	24.694	-0.008	24.712	-0.025
24.738	-0.017	24.760	-0.013	24.781	0.014	24.800	0.038
24.819	0.038	24.831	0.050	24.853	0.078	24.876	0.110
24.892	0.122	24.909	0.110	24.926	0.094	24.939	0.086
24.964	0.091	24.990	0.103	25.001	0.115	25.015	0.135
25.025	0.144	25.044	0.120	25.064	0.072	25.080	0.037
25.093	0.021	25.105	0.025	25.122	0.049	25.136	0.061
25.147	0.062	25.162	0.050	25.193	-0.045	25.211	-0.073
25.254	-0.073	25.267	-0.049	25.284	-0.041	25.314	0.014
25.336	0.054	25.351	0.058	25.361	0.046	25.377	0.002
25.394	-0.041	25.408	-0.065	25.423	-0.081	25.448	-0.089
25.477	-0.109	25.496	-0.109	25.520	-0.092	25.542	-0.095
25.570	-0.095	25.596	-0.094	25.611	-0.085	25.630	-0.065
25.644	-0.080	25.663	-0.104	25.677	-0.107	25.694	-0.099
25.712	-0.078	25.729	-0.065	25.753	-0.065	25.767	-0.057
25.790	-0.029	25.832	0.042	25.849	0.070	25.862	0.086
25.884	0.078	25.900	0.082	25.921	0.090	25.937	0.098
25.950	0.090	25.966	0.086	25.979	0.074	26.000	0.034
26.016	0.006	26.027	0.002	26.033	-0.005	26.051	-0.001
26.070	0.010	26.086	0.018	26.101	0.034	26.118	0.038
26.131	0.034	26.149	0.026	26.169	0.010	26.187	-0.005
26.204	-0.029	26.215	-0.049	26.227	-0.069	26.236	-0.069

26.255	-0.053	26.267	-0.037	26.285	-0.005	26.303	-0.005
26.327	-0.005	26.356	-0.005	26.380	0.014	26.411	0.026
26.435	0.030	26.452	0.038	26.468	0.046	26.484	0.054
26.500	0.038	26.523	0.015	26.536	0.019	26.552	0.031
26.572	0.027	26.588	0.016	26.604	0.004	26.620	0.016
26.634	0.032	26.661	0.101	26.676	0.117	26.687	0.117
26.703	0.109	26.731	0.090	26.749	0.074	26.767	0.054
26.780	0.034	26.812	-0.009	26.827	-0.025	26.841	-0.029
26.867	-0.009	26.895	0.010	26.913	0.022	26.925	0.014
26.944	-0.001	26.968	-0.001	26.989	-0.001	27.007	0.006
27.029	0.010	27.047	0.014	27.059	0.010	27.086	-0.025
27.121	-0.053	27.140	-0.065	27.155	-0.081	27.167	-0.073
27.199	0.002	27.223	0.034	27.252	0.062	27.265	0.070
27.281	0.047	27.298	0.011	27.316	-0.021	27.329	-0.037
27.346	-0.032	27.375	0.004	27.394	0.040	27.411	0.069
27.426	0.089	27.441	0.089	27.460	0.058	27.478	0.030
27.494	0.002	27.512	-0.013	27.527	-0.013	27.543	0.010
27.565	0.038	27.591	0.042	27.611	0.038	27.624	0.030
27.645	0.002	27.659	-0.005	27.675	0.010	27.690	0.018
27.718	0.014	27.739	0.030	27.753	0.027	27.774	0.011
27.785	0.007	27.808	0.027	27.835	0.028	27.855	0.036
27.875	0.040	27.891	0.049	27.911	0.061	27.932	0.053
27.953	0.046	27.980	0.050	28.005	0.050	28.029	0.074
28.044	0.070	28.061	0.054	28.082	0.062	28.110	0.070
28.131	0.078	28.142	0.094	28.159	0.082	28.180	0.062
28.201	0.042	28.224	0.030	28.252	0.031	28.277	0.035
28.295	0.032	28.317	0.020	28.345	0.017	28.373	0.013
28.394	0.006	28.414	0.002	28.430	0.002	28.449	0.014
28.470	0.006	28.495	0.002	28.512	0.009	28.525	0.009
28.546	-0.011	28.564	-0.012	28.585	-0.012	28.598	-0.012
28.615	-0.000	28.633	0.019	28.652	0.043	28.668	0.059
28.683	0.042	28.707	0.018	28.734	-0.011	28.750	-0.040
28.766	-0.064	28.783	-0.081	28.799	-0.090	28.819	-0.090
28.831	-0.079	28.863	-0.028	28.877	-0.012	28.887	-0.013
28.906	-0.021	28.925	-0.033	28.947	-0.045	28.971	-0.033
28.979	-0.029	28.993	-0.037	29.011	-0.041	29.024	-0.037
29.053	-0.001	29.075	0.030	29.093	0.058	29.107	0.070
29.120	0.074	29.133	0.074	29.148	0.066	29.161	0.054
29.179	0.046	29.202	0.042	29.235	0.042	29.253	0.034
29.270	0.030	29.284	0.038	29.304	0.054	29.322	0.062
29.334	0.054	29.355	0.046	29.369	0.050	29.386	0.062
29.402	0.070	29.424	0.062	29.437	0.070	29.451	0.062
29.472	0.018	29.488	-0.001	29.507	-0.005	29.545	-0.009
29.567	-0.017	29.587	-0.029	29.606	-0.041	29.623	-0.053
29.636	-0.053	29.661	-0.041	29.682	-0.024	29.703	-0.000
29.725	0.032	29.740	0.049	29.757	0.041	29.778	0.025
29.801	0.026	29.817	0.018	29.831	-0.018	29.846	-0.038
29.856	-0.045	29.878	-0.037	29.900	-0.029	29.920	-0.001
29.945	0.018	29.964	0.034	29.981	0.054	29.995	0.042
30.015	0.026	30.047	0.026	30.059	0.042	30.080	0.062
30.093	0.070	30.107	0.046	30.127	0.022	30.146	0.042
30.162	0.057	30.178	0.049	30.195	0.033	30.219	0.025
30.230	0.024	30.257	0.048	30.273	0.064	30.287	0.071
30.306	0.083	30.319	0.079	30.337	0.071	30.358	0.050
30.375	0.046	30.396	0.046	30.411	0.034	30.431	0.030
30.445	0.018	30.463	-0.002	30.478	0.006	30.501	0.017

30.529	0.024	30.542	0.004	30.560	-0.021	30.578	-0.033
30.599	-0.029	30.614	-0.025	30.629	-0.000	30.652	-0.008
30.678	-0.015	30.692	-0.011	30.707	-0.007	30.720	0.001
30.735	-0.006	30.756	-0.022	30.781	-0.026	30.796	-0.038
30.817	-0.010	30.827	-0.006	30.849	-0.015	30.863	0.005
30.871	0.017	30.883	0.025	30.897	0.016	30.913	0.008
30.928	-0.000	30.942	-0.004	30.959	-0.001	30.972	-0.009
30.991	-0.045	31.000	-0.053	31.018	-0.029	31.041	0.003
31.052	0.020	31.063	0.020	31.076	0.004	31.104	-0.051
31.119	-0.075	31.130	-0.075	31.143	-0.055	31.163	-0.026
31.179	0.002	31.195	0.022	31.207	0.038	31.223	0.030
31.237	0.026	31.260	0.038	31.272	0.030	31.290	0.018
31.309	-0.017	31.327	-0.049	31.344	-0.061	31.360	-0.061
31.379	-0.061	31.406	-0.068	31.426	-0.072	31.445	-0.063
31.464	-0.051	31.488	-0.022	31.506	0.002	31.549	0.002
31.564	-0.013	31.580	-0.033	31.592	-0.021	31.610	-0.005
31.629	-0.021	31.655	-0.033	31.673	-0.017	31.700	-0.012
31.727	0.008	31.751	0.001	31.775	0.013	31.802	0.042
31.832	0.058	31.850	0.074	31.865	0.102	31.877	0.094
31.904	0.074	31.920	0.058	31.947	0.046	31.966	0.042
31.983	0.054	32.016	0.098	32.031	0.110	32.046	0.114
32.061	0.094	32.086	0.074	32.106	0.054	32.127	0.046
32.150	0.038	32.178	0.010	32.208	0.006	32.237	-0.013
32.252	-0.017	32.272	-0.017	32.298	-0.025	32.313	-0.021
32.340	0.006	32.353	0.018	32.374	0.014	32.401	-0.005
32.427	-0.025	32.459	-0.037	32.489	-0.045	32.520	-0.053
32.535	-0.053	32.559	-0.041	32.587	-0.065	32.604	-0.065
32.632	-0.057	32.650	-0.052	32.674	-0.031	32.698	-0.005
32.708	0.008	32.740	0.014	32.768	0.008	32.783	0.005
32.802	0.010	32.825	0.008	32.841	-0.002	32.859	-0.025
32.867	-0.021	32.889	-0.005	32.914	-0.001	32.940	0.014
32.956	0.014	32.973	0.006	32.985	0.006	33.004	0.006
33.037	0.006	33.058	0.006	33.086	-0.041	33.100	-0.021
33.125	0.010	33.146	0.014	33.197	-0.016	33.215	0.008
33.231	0.047	33.248	0.071	33.285	0.076	33.296	0.068
33.310	0.057	33.331	0.066	33.346	0.063	33.380	-0.035
33.401	-0.094	33.413	-0.105	33.429	-0.078	33.463	0.077
33.480	0.129	33.493	0.169	33.517	0.136	33.550	0.056
33.596	-0.081	33.612	-0.117	33.650	-0.030	33.675	-0.007
33.695	-0.024	33.711	-0.056	33.734	-0.152	33.748	-0.177
33.761	-0.153	33.806	-0.006	33.821	0.045	33.832	0.045
33.854	0.004	33.869	-0.000	33.894	0.023	33.904	0.019
33.931	-0.034	33.943	-0.034	33.965	-0.015	33.983	0.009
33.992	0.012	34.003	0.000	34.039	-0.137	34.054	-0.181
34.063	-0.198	34.073	-0.174	34.104	-0.015	34.119	0.025
34.129	0.040	34.152	0.048	34.173	0.079	34.188	0.086
34.198	0.070	34.223	0.038	34.237	0.018	34.249	0.018
34.264	0.045	34.298	0.145	34.313	0.192	34.324	0.212
34.337	0.176	34.369	0.028	34.392	-0.053	34.418	-0.097
34.435	-0.077	34.457	-0.045	34.485	-0.021	34.500	0.018
34.526	0.114	34.541	0.134	34.555	0.114	34.590	0.018
34.615	-0.025	34.628	-0.033	34.656	-0.025	34.675	-0.045
34.690	-0.053	34.718	0.010	34.739	0.034	34.768	-0.009
34.781	-0.005	34.808	0.046	34.827	0.066	34.840	0.062
34.872	0.006	34.891	-0.033	34.903	-0.034	34.930	0.020
34.944	0.040	34.967	-0.021	34.982	-0.038	34.997	-0.031

35.006	-0.051	35.032	-0.117	35.047	-0.138	35.066	-0.127
35.093	-0.108	35.104	-0.085	35.131	0.015	35.147	0.047
35.160	0.051	35.187	0.016	35.196	0.020	35.219	0.052
35.234	0.065	35.250	0.057	35.277	0.049	35.308	0.022
35.324	0.014	35.356	0.014	35.372	-0.001	35.399	-0.021
35.409	-0.021	35.430	-0.013	35.446	-0.005	35.468	-0.005
35.487	0.014	35.516	0.010	35.534	0.030	35.550	0.038
35.565	0.030	35.591	0.010	35.610	-0.021	35.631	-0.045
35.646	-0.049	35.664	-0.045	35.683	-0.061	35.701	-0.073
35.720	-0.061	35.727	-0.061	35.747	-0.057	35.765	-0.050
35.774	-0.038	35.800	-0.030	35.820	0.005	35.834	0.013
35.850	0.005	35.869	0.013	35.892	0.004	35.906	0.008
35.919	0.016	35.931	0.024	35.945	-0.001	35.967	-0.025
35.983	-0.033	36.003	-0.025	36.020	-0.021	36.036	0.002
36.061	0.022	36.077	0.046	36.092	0.066	36.105	0.070
36.126	0.070	36.148	0.070	36.157	0.066	36.170	0.050
36.187	0.034	36.202	0.046	36.221	0.050	36.230	0.042
36.244	0.026	36.259	0.010	36.275	-0.006	36.287	0.002
36.302	0.014	36.315	0.017	36.326	0.009	36.343	-0.011
36.358	-0.023	36.381	-0.036	36.404	-0.044	36.413	-0.036
36.430	-0.017	36.446	-0.005	36.466	-0.025	36.475	-0.029
36.497	0.006	36.514	0.038	36.536	0.054	36.562	0.054
36.576	0.038	36.591	0.022	36.607	0.026	36.634	0.034
36.659	0.034	36.675	0.042	36.701	0.074	36.717	0.094
36.736	0.102	36.752	0.114	36.763	0.118	36.773	0.110
36.792	0.086	36.807	0.058	36.833	0.038	36.844	0.030
36.860	0.042	36.881	0.055	36.893	0.043	36.924	0.028
36.938	0.013	36.958	-0.019	36.966	-0.030	36.984	-0.018
37.003	-0.013	37.015	-0.025	37.031	-0.036	37.048	-0.048
37.064	-0.039	37.079	-0.035	37.087	-0.042	37.096	-0.050
37.110	-0.042	37.125	-0.029	37.145	-0.029	37.160	-0.029
37.176	-0.013	37.193	0.014	37.203	0.022	37.231	0.022
37.249	0.034	37.260	0.038	37.274	0.030	37.292	0.026
37.304	0.030	37.315	0.034	37.335	0.038	37.351	0.042
37.372	0.034	37.408	0.026	37.427	0.022	37.438	0.006
37.458	-0.011	37.479	-0.027	37.498	-0.043	37.513	-0.048
37.526	-0.044	37.542	-0.028	37.555	-0.028	37.574	-0.057
37.586	-0.061	37.610	-0.049	37.619	-0.049	37.635	-0.049
37.659	-0.009	37.674	0.003	37.690	-0.008	37.716	-0.024
37.735	-0.028	37.750	-0.035	37.779	-0.035	37.792	-0.047
37.804	-0.051	37.814	-0.042	37.838	-0.026	37.863	0.006
37.883	0.030	37.896	0.038	37.913	0.030	37.932	0.030
37.953	0.041	37.977	0.049	37.990	0.053	38.011	0.072
38.026	0.084	38.048	0.092	38.071	0.088	38.084	0.083
38.098	0.075	38.118	0.063	38.132	0.055	38.148	0.047
38.160	0.054	38.172	0.067	38.194	0.067	38.208	0.079
38.221	0.079	38.234	0.079	38.245	0.072	38.262	0.048
38.289	-0.012	38.307	-0.031	38.323	-0.043	38.337	-0.031
38.362	0.013	38.374	0.022	38.398	0.026	38.423	0.034
38.448	0.030	38.471	0.026	38.491	0.026	38.505	0.022
38.521	0.014	38.535	0.006	38.558	0.002	38.583	-0.005
38.600	-0.005	38.618	-0.009	38.637	-0.005	38.653	0.006
38.674	0.014	38.688	0.006	38.707	0.006	38.729	0.007
38.745	0.003	38.760	0.011	38.774	0.019	38.786	0.023
38.802	0.016	38.820	0.008	38.830	-0.000	38.847	-0.028
38.859	-0.040	38.872	-0.031	38.894	-0.019	38.929	-0.007

38.941	0.009	38.954	0.018	38.965	0.014	38.983	0.002
38.994	0.006	39.014	0.018	39.027	0.006	39.045	-0.005
39.070	-0.013	39.088	-0.021	39.108	-0.029	39.123	-0.029
39.136	-0.025	39.149	-0.017	39.162	-0.021	39.176	-0.025
39.188	-0.017	39.204	-0.001	39.221	0.022	39.241	0.042
39.256	0.042	39.273	0.034	39.289	0.022	39.300	0.034
39.315	0.046	39.335	0.054	39.362	0.054	39.374	0.046
39.388	0.026	39.401	0.006	39.420	0.006	39.439	0.010
39.452	0.006	39.474	-0.009	39.487	-0.009	39.509	0.006
39.526	0.022	39.550	0.022	39.563	0.026	39.576	0.042
39.588	0.034	39.609	0.010	39.643	-0.033	39.675	-0.053
39.691	-0.069	39.704	-0.057	39.733	-0.005	39.745	0.010
39.778	0.023	39.793	0.027	39.807	0.031	39.828	0.023
39.840	0.036	39.853	0.048	39.867	0.056	39.883	0.048
39.902	0.036	39.919	0.025	39.932	0.009	39.953	-0.019
39.971	-0.035	39.987	-0.043	39.999	-0.034	40.023	0.002
40.042	0.026	40.060	0.042	40.072	0.058	40.084	0.054
40.103	0.046	40.121	0.034	40.151	0.018	40.170	-0.001
40.189	-0.013	40.206	-0.013	40.225	-0.005	40.251	0.006
40.268	0.018	40.288	0.010	40.314	0.006	40.330	0.006
40.344	0.014	40.362	0.022	40.386	0.018	40.402	0.010
40.417	0.002	40.440	-0.009	40.456	-0.021	40.472	-0.017
40.494	-0.017	40.509	-0.017	40.526	-0.009	40.541	-0.001
40.568	-0.009	40.590	-0.013	40.610	-0.021	40.634	-0.042
40.653	-0.030	40.678	-0.006	40.700	0.021	40.723	0.029
40.745	0.020	40.767	0.016	40.785	0.016	40.807	-0.009
40.821	-0.013	40.841	-0.013	40.867	-0.002	40.885	0.010
40.898	0.002	40.921	-0.015	40.936	-0.007	40.958	0.016
40.975	0.024	41.000	0.023	41.017	0.030	41.033	0.014
41.063	-0.006	41.093	-0.019	41.111	-0.007	41.132	0.004
41.155	0.032	41.170	0.052	41.187	0.051	41.199	0.043
41.218	0.031	41.234	0.023	41.248	0.007	41.266	-0.009
41.284	-0.000	41.314	0.000	41.345	0.001	41.378	0.001
41.398	-0.006	41.420	-0.010	41.442	-0.009	41.457	-0.005
41.480	0.006	41.499	-0.001	41.531	-0.013	41.545	-0.013
41.566	0.002	41.579	-0.001	41.603	-0.029	41.616	-0.029
41.647	0.011	41.665	0.023	41.695	0.031	41.716	0.028
41.730	0.020	41.747	0.000	41.767	-0.019	41.790	-0.027
41.815	-0.039	41.825	-0.039	41.849	-0.022	41.868	-0.006
41.893	0.010	41.919	0.015	41.940	0.007	41.959	0.016
41.972	0.028	41.993	0.012	42.017	0.005	42.037	0.005
42.060	-0.006	42.080	0.006	42.097	0.026	42.108	0.018
42.127	0.018	42.148	0.022	42.162	0.026	42.181	0.022
42.198	0.010	42.207	-0.009	42.227	-0.001	42.256	-0.001
42.276	-0.009	42.295	-0.005	42.312	-0.013	42.329	-0.013
42.351	0.002	42.373	0.019	42.390	0.032	42.407	0.052
42.424	0.065	42.442	0.050	42.466	0.031	42.495	-0.000
42.523	0.001	42.539	-0.011	42.554	-0.026	42.571	-0.034
42.587	-0.029	42.601	-0.017	42.616	-0.005	42.636	-0.008
42.657	-0.020	42.682	-0.028	42.702	-0.039	42.727	-0.047
42.745	-0.046	42.763	-0.050	42.779	-0.038	42.808	-0.017
42.828	0.003	42.847	0.020	42.861	0.012	42.884	0.013
42.912	0.009	42.938	0.002	42.956	-0.009	42.974	-0.001
42.990	0.016	43.019	0.016	43.053	0.021	43.080	0.030
43.107	0.038	43.121	0.034	43.143	0.026	43.157	0.025
43.175	0.029	43.193	0.041	43.208	0.049	43.222	0.040

43.249	0.032	43.272	0.020	43.296	0.011	43.318	0.011
43.329	0.019	43.345	0.027	43.366	0.019	43.390	0.020
43.415	0.021	43.436	0.017	43.456	0.010	43.480	-0.006
43.499	-0.013	43.513	-0.020	43.529	-0.024	43.550	-0.019
43.571	-0.010	43.589	-0.013	43.606	-0.017	43.614	-0.016
43.627	-0.028	43.659	-0.007	43.678	-0.022	43.705	-0.037
43.715	-0.041	43.741	-0.036	43.748	-0.036	43.764	-0.035
43.775	-0.035	43.791	-0.034	43.809	-0.034	43.832	-0.033
43.866	0.000	43.899	0.018	43.926	0.006	43.949	-0.017
43.973	-0.029	44.000	-0.021	44.029	-0.013	44.058	-0.001
44.086	0.018	44.108	0.002	44.127	0.002	44.153	0.002
44.182	-0.017	44.204	-0.009	44.232	-0.005	44.246	-0.005
44.261	-0.005	44.299	0.046	44.325	0.046	44.353	0.026
44.378	0.022	44.408	0.014	44.420	0.014	44.448	0.034
44.465	0.042	44.491	0.058	44.511	0.054	44.526	0.046
44.545	0.030	44.567	0.014	44.602	0.002	44.635	-0.001
44.659	0.006	44.671	0.010	44.687	0.018	44.709	0.026
44.726	0.026	44.743	0.014	44.764	0.006	44.788	-0.001
44.808	-0.005	44.838	0.010	44.858	0.006	44.880	-0.009
44.907	-0.025	44.929	-0.025	44.948	-0.025	44.970	-0.025
44.994	-0.025	45.037	0.002	45.059	0.002	45.080	-0.005
45.104	-0.021	45.123	-0.029	45.158	-0.037	45.185	-0.049
45.214	-0.037	45.238	-0.037	45.257	-0.037	45.279	-0.037
45.303	-0.025	45.321	-0.025	45.340	-0.049	45.362	-0.065
45.381	-0.065	45.406	-0.073	45.427	-0.073	45.452	-0.037
45.487	0.003	45.504	-0.000	45.518	-0.000	45.530	0.000
45.568	0.001	45.585	-0.011	45.601	-0.015	45.620	-0.014
45.652	0.022	45.679	0.042	45.701	0.042	45.724	0.026
45.748	0.022	45.771	0.010	45.792	0.010	45.814	0.010
45.839	0.002	45.860	-0.001	45.884	-0.009	45.902	-0.017
45.942	-0.009	45.971	-0.009	45.993	-0.017	46.024	-0.029
46.062	-0.041	46.095	-0.045	46.121	-0.049	46.156	-0.033
46.189	-0.017	46.215	-0.017	46.233	-0.017	46.252	-0.021
46.294	-0.009	46.317	-0.005	46.347	-0.001	46.359	-0.001
46.385	-0.001	46.407	-0.005	46.430	-0.005	46.450	-0.009
46.485	0.010	46.515	0.022	46.551	0.014	46.578	0.014
46.614	-0.005	46.639	-0.017	46.667	-0.025	46.708	-0.025
46.723	-0.025	46.757	-0.025	46.767	-0.025	46.797	-0.005
46.819	-0.009	46.843	-0.017	46.867	-0.025	46.893	-0.025
46.922	-0.017	46.956	-0.021	46.987	-0.001	47.015	0.006
47.048	0.014	47.075	0.014	47.097	0.006	47.121	-0.001
47.146	-0.009	47.170	-0.017	47.191	-0.021	47.226	-0.003
47.255	-0.017	47.280	-0.019	47.298	-0.020	47.332	-0.011
47.361	-0.029	47.389	-0.031	47.410	-0.028	47.438	-0.022
47.457	-0.022	47.495	-0.011	47.520	-0.003	47.540	-0.003
47.565	0.000	47.586	0.004	47.613	0.015	47.637	0.007
47.658	0.007	47.678	0.006	47.703	-0.001	47.722	-0.005
47.745	-0.001	47.767	-0.001	47.785	0.014	47.812	0.034
47.837	0.026	47.859	0.018	47.879	0.010	47.904	-0.005
47.928	-0.021	47.950	-0.033	47.968	-0.037	47.994	-0.029
48.016	-0.021	48.054	0.002	48.075	0.006	48.095	0.002
48.120	-0.001	48.146	0.002	48.167	0.002	48.194	-0.001
48.214	-0.001	48.227	-0.001	48.251	-0.005	48.283	0.006
48.308	0.010	48.337	0.022	48.370	0.034	48.391	0.034
48.415	0.034	48.434	0.034	48.450	0.034	48.476	0.010
48.504	-0.002	48.523	-0.003	48.543	-0.003	48.564	-0.003

48.588	-0.004	48.604	-0.004	48.617	-0.004	48.640	-0.001
48.662	-0.017	48.688	-0.037	48.707	-0.038	48.720	-0.034
48.740	-0.034	48.755	-0.034	48.772	-0.035	48.787	-0.027
48.805	-0.027	48.823	-0.031	48.845	-0.040	48.867	-0.032
48.889	-0.028	48.907	-0.029	48.921	-0.029	48.932	-0.029
48.946	-0.037	48.965	-0.010	48.937	-0.006	49.010	-0.014
49.030	-0.035	49.051	-0.039	49.071	-0.039	49.092	-0.040
49.129	-0.024	49.145	-0.037	49.161	-0.033	49.180	-0.037
49.199	-0.041	49.224	-0.049	49.246	-0.041	49.269	-0.033
49.297	-0.029	49.317	-0.029	49.344	-0.013	49.368	-0.025
49.387	-0.025	49.414	-0.021	49.433	-0.021	49.451	-0.021
49.471	-0.025	49.495	-0.033	49.518	-0.032	49.552	-0.008
49.576	0.000	49.600	0.017	49.631	0.025	49.657	0.029
49.680	0.030	49.703	0.030	49.723	0.022	49.747	0.014
49.770	0.006	49.791	-0.001	49.811	-0.005	49.832	0.002
49.858	0.014	49.887	0.018	49.906	0.018	49.929	0.018
49.953	0.010	49.973	0.003	49.991	0.004	50.011	0.005
50.030	-0.014	50.052	-0.009	50.067	-0.008	50.100	-0.003
50.124	0.007	50.146	0.024	50.171	0.025	50.190	0.026
50.214	0.018	50.239	0.006	50.266	-0.005	50.289	0.002
50.313	0.002	50.334	0.014	50.353	0.014	50.370	0.014
50.393	0.014	50.408	0.014	50.429	0.002	50.451	-0.009
50.475	-0.009	50.508	-0.021	50.536	-0.021	50.569	-0.017
50.599	-0.017	50.616	-0.017	50.635	-0.025	50.659	-0.029
50.679	-0.029	50.699	-0.037	50.715	-0.033	50.739	-0.025
50.771	-0.017	50.791	-0.017	50.811	-0.017	50.835	-0.025
50.855	-0.009	50.874	-0.001	50.895	-0.001	50.911	-0.005
50.938	-0.017	50.957	-0.025	50.982	-0.025	51.005	-0.025
51.025	-0.029	51.035	-0.029	51.056	-0.017	51.084	-0.017
51.105	-0.009	51.148	-0.009	51.180	-0.001	51.204	0.002
51.224	-0.001	51.260	-0.017	51.287	-0.009	51.305	-0.009
51.327	-0.013	51.351	-0.013	51.371	-0.013	51.398	0.006
51.420	0.006	51.444	0.006	51.464	0.002	51.491	0.002
51.512	0.006	51.533	0.006	51.556	0.006	51.576	0.002
51.592	-0.005	51.618	0.002	51.639	0.006	51.659	0.006
51.682	0.007	51.695	0.011	51.718	0.023	51.737	0.028
51.756	0.012	51.774	0.008	51.798	-0.003	51.821	-0.007
51.837	-0.007	51.849	-0.007	51.874	-0.022	51.891	-0.030
51.913	-0.033	51.932	-0.033	51.952	-0.025	51.974	-0.025
51.994	-0.024	52.013	-0.024	52.035	-0.024	52.059	-0.023
52.080	-0.011	52.104	-0.023	52.131	-0.026	52.152	-0.034
52.171	-0.033	52.189	-0.033	52.205	-0.033	52.228	-0.049
52.248	-0.037	52.266	-0.025	52.285	-0.025	52.308	-0.029
52.325	-0.029	52.347	-0.045	52.367	-0.045	52.385	-0.045
52.401	-0.053	52.419	-0.053	52.434	-0.049	52.454	-0.045
52.483	-0.037	52.517	-0.025	52.547	-0.021	52.578	-0.005
52.601	0.014	52.621	0.010	52.642	0.002	52.672	-0.009
52.700	-0.017	52.724	-0.017	52.743	-0.017	52.763	-0.017
52.788	0.006	52.808	0.014	52.830	0.006	52.846	0.014
52.869	0.022	52.885	0.014	52.903	0.006	52.923	0.006
52.945	0.010	52.961	-0.009	52.981	-0.001	53.003	-0.005
53.020	-0.017	53.040	-0.009	53.069	0.002	53.097	-0.005
53.122	0.002	53.147	0.006	53.176	0.006	53.198	0.010
53.235	0.006	53.261	0.014	53.286	0.006	53.315	0.010
53.330	0.006	53.364	-0.013	53.388	-0.005	53.404	-0.005
53.423	-0.009	53.450	-0.005	53.468	-0.001	53.509	0.002

53.527	0.018	53.553	0.002	53.576	0.002	53.602	-0.001
53.628	-0.005	53.659	-0.009	53.677	-0.009	53.704	-0.017
53.729	-0.026	53.755	-0.034	53.770	-0.039	53.801	-0.023
53.831	-0.020	53.856	-0.020	53.890	-0.009	53.918	-0.005
53.946	-0.001	53.964	-0.001	53.982	-0.001	54.003	-0.001
54.021	-0.005	54.046	-0.021	54.065	-0.025	54.085	-0.025
54.114	-0.021	54.139	-0.013	54.161	-0.017	54.189	-0.002
54.220	0.002	54.240	0.001	54.269	-0.011	54.296	-0.012
54.321	-0.012	54.342	-0.009	54.363	-0.009	54.382	-0.013
54.403	-0.017	54.430	-0.017	54.457	-0.013	54.479	-0.013
54.505	-0.009	54.520	-0.009	54.539	-0.009	54.572	-0.025
54.588	-0.025	54.614	-0.025	54.637	-0.021	54.665	-0.017
54.688	-0.033	54.709	-0.033	54.730	-0.029	54.755	-0.029
54.785	-0.029	54.803	-0.033	54.821	-0.033	54.842	-0.033
54.854	-0.033	54.879	-0.029	54.903	-0.025	54.922	-0.025
54.946	-0.025	54.964	-0.025	54.987	-0.020	55.004	-0.015
55.020	-0.007	55.036	-0.006	55.048	-0.010	55.059	-0.009
55.074	-0.013	55.088	-0.013	55.101	-0.009	55.118	-0.009
55.133	-0.004	55.147	-0.004	55.161	-0.000	55.174	0.008
55.186	0.016	55.196	0.020	55.210	0.025	55.221	0.021
55.232	0.021	55.245	0.021	55.262	0.021	55.275	0.022
55.286	0.018	55.298	0.010	55.320	0.018	55.335	0.022
55.352	0.015	55.375	0.007	55.393	-0.000	55.410	-0.008
55.427	-0.007	55.444	-0.011	55.458	-0.015	55.475	-0.006
55.491	-0.010	55.506	-0.013	55.520	-0.017	55.529	-0.017
55.547	-0.020	55.563	-0.032	55.577	-0.035	55.590	-0.039
55.602	-0.039	55.619	-0.046	55.632	-0.054	55.645	-0.054
55.658	-0.061	55.674	-0.057	55.689	-0.052	55.704	-0.056
55.718	-0.055	55.730	-0.051	55.747	-0.047	55.760	-0.042
55.772	-0.038	55.783	-0.034	55.798	-0.033	55.817	-0.033
55.834	-0.029	55.848	-0.029	55.859	-0.025	55.874	-0.029
55.889	-0.029	55.903	-0.029	55.917	-0.029	55.932	-0.029
55.946	-0.029	55.957	-0.029	55.970	-0.029	55.988	-0.029
56.007	-0.029	56.020	-0.029	56.036	-0.029	56.049	-0.029
56.066	-0.029	56.083	-0.024	56.099	-0.020	56.116	-0.019
56.133	-0.015	56.149	-0.015	56.162	-0.010	56.182	-0.026
56.198	-0.026	56.214	-0.026	56.231	-0.023	56.244	-0.024
56.255	-0.024	56.266	-0.017	56.277	-0.013	56.290	-0.018
56.303	-0.018	56.316	-0.019	56.329	-0.015	56.340	-0.016
56.356	-0.028	56.369	-0.033	56.383	-0.034	56.396	-0.038
56.411	-0.046	56.426	-0.046	56.438	-0.047	56.454	-0.043
56.472	-0.043	56.485	-0.039	56.498	-0.028	56.512	-0.028
56.524	-0.020	56.533	-0.016	56.550	-0.017	56.576	-0.021
56.603	-0.018	56.627	-0.014	56.644	-0.006	56.660	-0.002
56.678	0.001	56.693	0.005	56.709	0.005	56.723	0.009
56.739	0.008	56.758	0.008	56.773	0.016	56.788	0.024
56.802	0.019	56.817	0.015	56.830	0.015	56.846	0.015
56.863	0.007	56.877	0.002	56.894	-0.006	56.909	-0.006
56.922	-0.022	56.937	-0.027	56.956	-0.027	56.970	-0.027
56.986	-0.023	57.000	-0.016	57.016	-0.012	57.034	-0.016
57.047	-0.024	57.062	-0.029	57.078	-0.029	57.094	-0.029
57.110	-0.025	57.123	-0.025	57.135	-0.024	57.149	-0.028
57.167	-0.031	57.182	-0.026	57.195	-0.026	57.206	-0.017
57.216	-0.009	57.227	-0.000	57.243	-0.003	57.261	-0.003
57.282	0.002	57.300	0.003	57.317	-0.008	57.338	-0.020
57.355	-0.027	57.368	-0.039	57.380	-0.038	57.393	-0.034

57.405	-0.025	57.416	-0.013	57.428	-0.001	57.440	0.006
57.449	0.014	57.458	0.018	57.469	0.010	57.482	-0.001
57.494	-0.013	57.505	-0.021	57.515	-0.021	57.528	-0.013
57.541	-0.005	57.551	-0.001	57.563	0.002	57.573	0.007
57.585	0.003	57.592	0.004	57.605	0.000	57.619	-0.011
57.631	-0.026	57.642	-0.034	57.658	-0.034	57.672	-0.035
57.686	-0.052	57.699	-0.065	57.709	-0.069	57.719	-0.062
57.734	-0.039	57.749	-0.020	57.759	-0.001	57.771	0.011
57.784	0.014	57.797	0.006	57.811	-0.009	57.822	-0.029
57.833	-0.041	57.847	-0.049	57.868	-0.057	57.881	-0.065
57.892	-0.061	57.906	-0.053	57.922	-0.045	57.938	-0.037
57.951	-0.025	57.965	-0.013	57.981	-0.013	58.001	-0.021
58.017	-0.025	58.035	-0.034	58.051	-0.038	58.064	-0.035
58.077	-0.023	58.101	-0.016	58.127	-0.013	58.142	-0.021
58.163	-0.021	58.175	-0.033	58.187	-0.052	58.195	-0.056
58.208	-0.052	58.221	-0.035	58.236	-0.031	58.250	-0.038
58.269	-0.042	58.284	-0.037	58.301	-0.021	58.318	-0.025
58.339	-0.025	58.357	-0.025	58.378	-0.025	58.391	-0.021
58.406	-0.005	58.416	0.007	58.430	0.019	58.440	0.028
58.454	0.017	58.467	0.009	58.483	-0.002	58.503	-0.013
58.515	-0.016	58.529	-0.012	58.548	0.005	58.565	0.014
58.580	0.018	58.594	0.014	58.624	-0.007	58.641	-0.019
58.659	-0.036	58.675	-0.048	58.689	-0.052	58.706	-0.049
58.725	-0.029	58.741	-0.009	58.753	0.003	58.770	0.015
58.787	0.008	58.803	-0.004	58.821	-0.016	58.842	-0.011
58.863	-0.019	58.889	-0.030	58.909	-0.014	58.928	-0.013
58.945	-0.009	58.963	-0.013	58.980	-0.021	58.993	-0.025
59.011	-0.013	59.029	-0.025	59.046	-0.029	59.062	-0.029
59.082	-0.022	59.108	-0.018	59.124	-0.015	59.141	-0.004
59.163	-0.008	59.181	0.003	59.197	0.006	59.217	0.006
59.235	0.002	59.255	-0.003	59.273	-0.007	59.291	-0.008
59.314	-0.008	59.337	-0.017	59.357	-0.017	59.379	-0.021
59.402	-0.025	59.423	-0.021	59.447	-0.021	59.470	-0.017
59.496	-0.017	59.519	-0.017	59.542	-0.010	59.565	-0.006
59.591	-0.011	59.615	-0.019	59.633	-0.011	59.647	-0.008
59.669	-0.016	59.691	-0.028	59.723	-0.033	59.742	-0.033
59.772	-0.043	59.788	-0.036	59.808	-0.025	59.834	-0.026
59.863	-0.028	59.880	-0.033	59.906	-0.042	59.930	-0.048
59.949	-0.049	59.976	-0.057	59.991	-0.049	60.009	-0.041
60.028	-0.049	60.044	-0.057	60.062	-0.053	60.079	-0.045
60.100	-0.049	60.108	-0.049	60.126	-0.033	60.141	-0.025
60.156	-0.025	60.178	-0.037	60.196	-0.045	60.218	-0.049
60.238	-0.048	60.262	-0.048	60.280	-0.036	60.297	-0.024
60.330	-0.023	60.354	-0.023	60.373	-0.014	60.397	-0.014
60.416	-0.014	60.430	-0.014	60.458	-0.006	60.473	-0.010
60.494	-0.023	60.515	-0.015	60.528	-0.015	60.549	-0.016
60.567	-0.008	60.579	-0.004	60.592	-0.004	60.607	-0.009
60.623	-0.017	60.640	-0.021	60.655	-0.021	60.670	-0.034
60.684	-0.026	60.709	-0.026	60.722	-0.022	60.737	-0.019
60.761	-0.015	60.776	-0.011	60.796	0.004	60.810	0.004
60.826	0.008	60.848	0.003	60.868	-0.001	60.889	-0.005
60.902	-0.005	60.918	-0.005	60.933	-0.009	60.949	-0.004
60.973	-0.004	60.989	-0.004	61.008	-0.007	61.022	-0.003
61.043	0.001	61.056	-0.002	61.078	-0.010	61.104	-0.006
61.129	-0.005	61.153	-0.001	61.177	0.002	61.195	-0.005
61.216	-0.005	61.238	-0.009	61.249	-0.009	61.268	-0.009

61.290	-0.001	61.308	0.006	61.335	0.006	61.363	0.006
61.393	0.006	61.408	0.002	61.429	-0.001	61.448	-0.005
61.467	-0.009	61.482	-0.009	61.502	-0.005	61.526	-0.001
61.550	-0.001	61.576	-0.005	61.592	-0.009	61.606	-0.009
61.621	-0.005	61.635	0.002	61.653	-0.005	61.670	-0.005
61.684	-0.005	61.701	-0.001	61.718	-0.005	61.734	-0.009
61.753	-0.017	61.769	-0.021	61.783	-0.025	61.798	-0.029
61.812	-0.025	61.828	-0.021	61.841	-0.021	61.858	-0.017
61.874	-0.017	61.889	-0.017	61.899	-0.017	61.913	-0.021
61.926	-0.025	61.936	-0.029	61.950	-0.033	61.961	-0.029
61.974	-0.025	61.993	-0.021	62.009	-0.020	62.028	-0.020
62.049	-0.015	62.068	-0.023	62.086	-0.018	62.111	-0.017
62.130	-0.013	62.150	-0.016	62.173	-0.019	62.195	-0.027
62.222	-0.030	62.244	-0.030	62.267	-0.030	62.286	-0.038
62.306	-0.039	62.326	-0.047	62.345	-0.047	62.369	-0.044
62.391	-0.040	62.411	-0.032	62.431	-0.025	62.450	-0.021
62.464	-0.017	62.478	-0.013	62.493	-0.021	62.511	-0.033
62.529	-0.033	62.549	-0.033	62.564	-0.020	62.579	-0.016
62.595	0.004	62.609	0.016	62.625	0.021	62.643	0.017
62.661	0.009	62.678	0.009	62.691	0.002	62.704	0.002
62.720	-0.010	62.733	-0.010	62.749	-0.006	62.766	-0.001
62.785	0.006	62.804	0.002	62.825	0.006	62.841	0.006
62.861	-0.001	62.876	-0.005	62.895	-0.005	62.920	-0.005
62.941	-0.001	62.967	0.002	62.991	0.002	63.011	-0.006
63.035	0.002	63.051	0.005	63.073	0.001	63.094	0.001
63.117	-0.004	63.142	-0.012	63.168	-0.008	63.190	-0.005
63.204	-0.013	63.226	-0.017	63.250	-0.017	63.278	-0.017
63.295	-0.017	63.315	-0.024	63.334	-0.012	63.354	0.000
63.384	0.005	63.408	0.005	63.431	0.001	63.452	0.010
63.476	0.002	63.497	-0.002	63.523	-0.005	63.555	-0.009
63.574	-0.012	63.599	-0.024	63.624	-0.015	63.644	-0.007
63.669	-0.018	63.684	-0.022	63.701	-0.018	63.722	-0.029
63.742	-0.026	63.761	-0.022	63.778	-0.026	63.805	-0.039
63.823	-0.039	63.849	-0.027	63.866	-0.028	63.875	-0.028
63.896	-0.016	63.930	-0.020	63.953	-0.025	63.974	-0.029
63.996	-0.033	64.023	-0.025	64.049	-0.028	64.071	-0.027
64.086	-0.030	64.110	-0.037	64.128	-0.037	64.147	-0.024
64.168	-0.011	64.196	-0.010	64.231	-0.005	64.265	-0.001
64.296	0.006	64.329	-0.009	64.360	0.006	64.400	0.002
64.432	-0.001	64.460	0.007	64.483	0.011	64.503	-0.000
64.530	-0.012	64.557	-0.015	64.588	-0.019	64.614	-0.003
64.642	-0.006	64.668	-0.002	64.702	-0.002	64.737	0.002
64.767	-0.019	64.788	-0.019	64.817	-0.004	64.845	-0.012
64.870	-0.005	64.890	-0.005	64.916	-0.013	64.947	-0.024
64.972	-0.023	64.996	-0.031	65.025	-0.030	65.060	-0.017
65.084	-0.016	65.119	-0.011	65.159	-0.009	65.177	-0.021
65.205	-0.020	65.232	-0.028	65.264	-0.031	65.292	-0.022
65.328	-0.022	65.348	-0.021	65.373	-0.021	65.391	-0.017
65.412	-0.005	65.431	-0.001	65.455	-0.000	65.482	-0.012
65.512	-0.024	65.539	-0.023	65.568	-0.015	65.593	-0.003
65.614	0.001	65.634	-0.007	65.659	-0.018	65.684	-0.022
65.705	-0.018	65.729	-0.014	65.752	-0.009	65.777	-0.009
65.799	-0.013	65.828	-0.017	65.859	-0.017	65.902	-0.017
65.957	-0.021	65.983	-0.021	66.004	-0.029	66.016	-0.024
66.030	-0.032	66.046	-0.035	66.058	-0.030	66.074	-0.029
66.089	-0.029	66.107	-0.024	66.138	-0.018	66.161	-0.017

66.177	-0.029	66.195	-0.033	66.214	-0.041	66.232	-0.037
66.252	-0.029	66.274	-0.029	66.290	-0.025	66.312	-0.033
66.329	-0.033	66.347	-0.033	66.361	-0.029	66.383	-0.028
66.401	-0.024	66.418	-0.019	66.433	-0.023	66.447	-0.027
66.465	-0.030	66.484	-0.026	66.501	-0.017	66.521	-0.021
66.545	-0.017	66.570	-0.021	66.596	-0.021	66.620	-0.013
66.642	-0.013	66.665	-0.009	66.687	-0.009	66.706	-0.005
66.721	-0.005	66.739	-0.013	66.758	-0.017	66.777	-0.021
66.791	-0.021	66.808	-0.013	66.827	-0.005	66.843	-0.001
66.862	0.002	66.879	0.003	66.899	0.007	66.919	0.019
66.935	0.016	66.954	0.012	66.973	0.012	66.995	0.009
67.020	0.009	67.042	0.006	67.062	0.006	67.084	0.006
67.104	0.002	67.124	0.001	67.142	0.001	67.162	-0.003
67.179	-0.012	67.199	-0.016	67.215	-0.009	67.235	-0.005
67.260	-0.001	67.285	0.003	67.306	0.004	67.325	0.008
67.346	0.017	67.359	0.025	67.377	0.025	67.391	0.022
67.408	0.014	67.426	0.010	67.445	0.010	67.465	0.002
67.478	-0.002	67.494	0.005	67.509	0.005	67.526	0.005
67.545	0.005	67.565	0.004	67.586	0.004	67.605	0.004
67.626	-0.001	67.646	-0.005	67.670	-0.005	67.695	-0.005
67.714	-0.001	67.733	0.003	67.753	0.008	67.773	0.012
67.789	0.016	67.808	0.012	67.836	0.013	67.857	0.017
67.880	0.013	67.901	0.018	67.910	0.014	67.928	0.006
67.944	0.006	67.964	-0.001	67.985	-0.001	68.007	-0.001
68.027	0.002	68.045	0.002	68.060	0.002	68.074	-0.001
68.093	-0.001	68.115	-0.001	68.134	-0.009	68.148	-0.017
68.163	-0.017	68.184	-0.017	68.204	-0.017	68.227	-0.017
68.242	-0.025	68.258	-0.029	68.274	-0.033	68.288	-0.037
68.300	-0.033	68.316	-0.025	68.331	-0.025	68.350	-0.021
68.368	-0.021	68.386	-0.017	68.414	-0.017	68.436	-0.013
68.454	-0.013	68.478	-0.021	68.499	-0.017	68.521	-0.017
68.545	-0.017	68.560	-0.005	68.584	-0.009	68.605	-0.005
68.624	-0.001	68.644	0.010	68.667	0.013	68.692	0.012
68.711	0.011	68.733	0.006	68.755	0.005	68.777	-0.000
68.800	-0.001	68.819	-0.013	68.841	-0.021	68.851	-0.017
68.874	-0.009	68.835	-0.013	68.916	-0.009	68.933	-0.017
68.956	-0.021	68.972	-0.021	68.989	-0.013	69.005	-0.009
69.019	-0.009	69.039	-0.013	69.060	-0.013	69.074	-0.013
69.092	-0.005	69.109	0.002	69.129	0.002	69.155	-0.001
69.174	-0.001	69.191	0.002	69.208	0.006	69.227	-0.001
69.247	-0.009	69.262	-0.010	69.282	0.002	69.305	0.022
69.326	0.026	69.342	0.029	69.360	0.021	69.384	0.013
69.406	0.012	69.428	0.004	69.443	-0.004	69.465	-0.008
69.481	-0.005	69.497	-0.001	69.515	-0.001	69.530	-0.001
69.548	0.003	69.566	0.007	69.593	0.011	69.615	0.020
69.633	0.020	69.657	0.013	69.679	0.009	69.700	0.001
69.721	0.006	69.742	0.006	69.761	0.006	69.780	-0.001
69.803	-0.004	69.827	0.001	69.852	0.006	69.875	0.003
69.898	-0.000	69.921	-0.007	69.941	-0.006	69.958	-0.006
69.976	0.002	69.999	0.006	70.015	-0.002	70.040	-0.011
70.058	-0.011	70.078	-0.003	70.098	-0.015	70.120	-0.032
70.139	-0.032	70.152	-0.032	70.171	-0.029	70.192	-0.013
70.219	-0.013	70.242	-0.009	70.263	-0.009	70.284	-0.009
70.304	-0.000	70.324	-0.012	70.344	-0.020	70.367	-0.023
70.389	-0.027	70.406	-0.027	70.420	-0.010	70.442	-0.010
70.469	-0.010	70.489	-0.006	70.508	-0.006	70.526	-0.006

70.546	-0.010	70.571	-0.011	70.594	-0.011	70.617	-0.019
70.637	-0.023	70.662	-0.024	70.683	-0.024	70.702	-0.028
70.729	-0.036	70.748	-0.041	70.770	-0.037	70.793	-0.037
70.819	-0.037	70.846	-0.037	70.870	-0.037	70.891	-0.025
70.913	-0.024	70.940	-0.028	70.959	-0.028	70.979	-0.019
71.000	-0.019	71.032	-0.019	71.064	-0.018	71.080	-0.018
71.103	-0.002	71.128	0.002	71.160	0.002	71.186	0.010
71.211	0.009	71.225	0.009	71.245	-0.003	71.266	0.000
71.284	0.004	71.303	0.012	71.332	0.007	71.361	0.007
71.386	0.010	71.406	0.010	71.425	0.006	71.442	-0.007
71.465	-0.011	71.489	-0.008	71.513	-0.012	71.537	-0.005
71.563	-0.006	71.580	-0.002	71.598	-0.002	71.619	-0.011
71.645	-0.027	71.671	-0.032	71.687	-0.040	71.703	-0.037
71.720	-0.029	71.736	-0.021	71.746	-0.022	71.757	-0.022
71.766	-0.034	71.779	-0.038	71.797	-0.034	71.813	-0.026
71.830	-0.026	71.845	-0.027	71.856	-0.019	71.882	-0.027
71.904	-0.023	71.926	-0.023	71.946	-0.020	71.965	-0.016
71.986	-0.016	72.004	-0.016	72.025	-0.009	72.044	-0.005
72.058	-0.001	72.072	-0.005	72.091	-0.009	72.103	-0.009
72.121	-0.010	72.138	-0.002	72.154	0.001	72.166	0.005
72.181	-0.003	72.193	-0.011	72.207	-0.004	72.223	-0.000
72.239	-0.000	72.260	-0.001	72.282	-0.001	72.298	0.002
72.312	-0.006	72.330	-0.011	72.345	-0.007	72.361	-0.003
72.381	-0.008	72.408	-0.012	72.434	-0.025	72.457	-0.017
72.483	-0.017	72.503	-0.013	72.518	-0.017	72.537	-0.001
72.554	-0.001	72.575	-0.005	72.588	0.002	72.604	0.010
72.624	-0.005	72.640	-0.001	72.658	-0.001	72.673	0.002
72.685	-0.009	72.701	-0.009	72.723	-0.009	72.746	-0.009
72.768	-0.009	72.785	-0.009	72.801	-0.001	72.814	0.006
72.831	-0.001	72.847	-0.009	72.862	-0.005	72.882	-0.001
72.899	0.002	72.916	-0.005	72.938	-0.013	72.955	-0.013
72.981	-0.009	73.007	-0.013	73.033	-0.017	73.052	-0.013
73.071	-0.017	73.083	-0.017	73.099	-0.017	73.119	-0.021
73.137	-0.017	73.156	-0.017	73.171	-0.025	73.193	-0.033
73.208	-0.029	73.226	-0.017	73.244	-0.025	73.254	-0.021
73.270	-0.013	73.290	-0.017	73.311	-0.025	73.330	-0.029
73.356	-0.025	73.373	-0.024	73.394	-0.032	73.409	-0.031
73.432	-0.023	73.453	-0.022	73.482	-0.021	73.500	-0.021
73.523	-0.012	73.542	-0.024	73.564	-0.031	73.583	-0.034
73.603	-0.030	73.627	-0.032	73.640	-0.038	73.658	-0.044
73.676	-0.045	73.693	-0.039	73.707	-0.037	73.723	-0.031
73.742	-0.026	73.755	-0.036	73.773	-0.045	73.786	-0.039
73.802	-0.028	73.825	-0.029	73.846	-0.020	73.868	-0.027
73.883	-0.027	73.899	-0.018	73.914	-0.013	73.929	-0.021
73.944	-0.020	73.961	-0.011	73.977	-0.015	73.996	-0.018
74.010	-0.017	74.027	-0.013	74.043	-0.017	74.063	-0.013
74.080	-0.013	74.097	-0.013	74.114	-0.009	74.130	-0.001
74.150	0.010	74.163	0.002	74.177	-0.001	74.194	0.006
74.215	0.014	74.234	0.022	74.248	0.014	74.281	0.006
74.303	0.006	74.318	0.010	74.334	0.014	74.346	0.018
74.361	0.002	74.379	-0.021	74.403	-0.025	74.421	-0.025
74.433	-0.021	74.456	0.002	74.474	0.022	74.493	0.034
74.519	0.026	74.536	-0.001	74.561	-0.037	74.574	-0.041
74.592	-0.021	74.620	0.010	74.642	0.034	74.662	0.046
74.682	0.042	74.698	0.034	74.716	0.002	74.732	-0.009
74.756	-0.021	74.778	-0.033	74.796	-0.021	74.811	-0.025

74.831	-0.037	74.850	-0.045	74.864	-0.041	74.886	-0.029
74.915	-0.001	74.929	0.022	74.946	0.022	74.964	0.002
74.980	-0.029	74.995	-0.045	75.008	-0.037	75.037	0.010
75.059	0.034	75.072	0.058	75.082	0.054	75.103	0.022
75.125	-0.025	75.146	-0.041	75.162	-0.045	75.179	-0.029
75.201	-0.001	75.216	0.006	75.247	0.010	75.265	0.018
75.276	0.010	75.294	-0.005	75.303	-0.005	75.325	0.014
75.336	0.006	75.359	-0.025	75.375	-0.017	75.394	-0.005
75.403	-0.001	75.413	-0.013	75.431	-0.017	75.454	-0.017
75.473	-0.009	75.485	-0.009	75.503	-0.021	75.537	-0.008
75.564	-0.019	75.581	-0.034	75.601	-0.008	75.619	0.013
75.638	0.002	75.662	0.007	75.690	-0.016	75.721	0.005
75.740	-0.015	75.760	-0.034	75.790	-0.037	75.817	-0.044
75.832	-0.036	75.852	-0.027	75.867	-0.022	75.889	-0.001
75.901	0.006	75.910	0.002	75.919	-0.009	75.935	-0.017
75.950	-0.025	75.980	-0.033	75.999	-0.041	76.015	-0.040
76.035	-0.036	76.061	-0.044	76.086	-0.039	76.110	-0.039
76.134	-0.022	76.167	0.002	76.183	-0.001	76.213	-0.041
76.233	-0.041	76.272	-0.029	76.309	-0.017	76.333	-0.021
76.360	-0.013	76.385	-0.009	76.405	-0.005	76.439	-0.037
76.466	-0.005	76.493	-0.012	76.517	-0.007	76.535	-0.011
76.568	-0.034	76.610	-0.045	76.632	-0.037	76.663	-0.016
76.682	-0.024	76.707	-0.039	76.740	-0.007	76.755	0.002
76.780	-0.002	76.811	-0.017	76.856	-0.041	76.892	0.018
76.906	0.011	76.923	0.001	76.954	0.027	76.985	0.006
77.017	-0.007	77.039	-0.045	77.054	-0.072	77.078	-0.006
77.102	0.040	77.127	0.034	77.166	0.005	77.193	0.026
77.209	0.035	77.233	-0.015	77.253	-0.050	77.288	-0.020
77.312	0.038	77.327	0.066	77.347	0.022	77.372	0.014
77.397	-0.001	77.424	0.018	77.451	0.046	77.480	0.034
77.509	0.034	77.541	0.034	77.564	0.026	77.585	0.014
77.613	0.046	77.637	0.022	77.670	0.018	77.684	0.014
77.699	0.010	77.724	0.030	77.749	0.037	77.777	0.052
77.796	0.047	77.811	0.039	77.842	-0.006	77.864	0.013
77.899	0.048	77.929	0.027	77.949	0.010	77.977	-0.002
78.003	0.006	78.028	0.021	78.048	0.009	78.062	-0.003
78.085	0.008	78.110	0.020	78.140	0.043	78.162	0.031
78.181	0.023	78.207	0.038	78.229	0.034	78.271	0.032
78.296	0.027	78.324	0.022	78.348	0.010	78.367	-0.011
78.393	0.000	78.421	0.007	78.443	0.026	78.463	0.026
78.479	0.022	78.499	0.006	78.533	0.034	78.554	0.018
78.570	-0.001	78.602	0.030	78.632	-0.005	78.656	0.002
78.682	-0.009	78.704	-0.009	78.726	-0.009	78.752	-0.009
78.784	0.018	78.809	-0.001	78.833	-0.001	78.860	-0.005
78.884	0.018	78.908	0.034	78.935	0.042	78.956	0.030
78.978	0.018	79.005	-0.022	79.026	-0.027	79.050	-0.027
79.081	0.012	79.110	0.040	79.136	0.047	79.155	0.035
79.182	0.006	79.200	-0.013	79.231	0.006	79.260	0.030
79.293	0.042	79.314	0.030	79.339	0.010	79.363	-0.009
79.390	-0.017	79.413	-0.001	79.439	0.022	79.463	0.026
79.488	0.034	79.517	0.034	79.542	0.030	79.570	0.030
79.605	0.010	79.633	0.002	79.660	0.002	79.691	0.018
79.719	0.021	79.748	0.008	79.770	0.007	79.797	0.006
79.815	0.006	79.841	0.017	79.867	0.012	79.890	0.007
79.912	0.007	79.937	0.006	79.956	0.006	79.972	0.006
79.993	0.006	80.017	0.014	80.037	0.014	80.057	0.014

80.080	0.010	80.100	-0.001	80.121	-0.005	80.151	-0.001
80.188	0.014	80.218	0.022	80.247	0.010	80.274	0.010
80.302	-0.001	80.329	0.006	80.351	0.006	80.375	0.010
80.401	0.018	80.425	0.018	80.449	0.010	80.475	-0.001
80.502	-0.005	80.530	-0.005	80.555	-0.005	80.581	-0.005
80.608	-0.001	80.639	0.006	80.658	0.014	80.676	0.006
80.697	0.002	80.715	-0.002	80.736	-0.003	80.767	0.005
80.794	0.020	80.819	0.020	80.848	0.020	80.871	0.027
80.896	0.027	80.918	0.026	80.942	0.026	80.965	0.026
80.992	0.022	81.019	0.010	81.044	0.010	81.061	0.010
81.082	0.010	81.118	0.018	81.143	0.022	81.167	0.027
81.197	0.023	81.218	0.023	81.243	0.024	81.280	0.020
81.303	0.017	81.340	0.005	81.373	0.026	81.397	0.026
81.426	0.010	81.444	-0.002	81.466	0.005	81.484	0.004
81.509	0.002	81.529	0.001	81.553	-0.001	81.592	0.013
81.620	0.007	81.637	0.006	81.656	0.005	81.677	0.003
81.705	-0.005	81.728	-0.003	81.751	-0.002	81.774	-0.001
81.795	0.000	81.813	0.001	81.834	0.002	81.878	0.004
81.913	-0.010	81.938	-0.006	81.962	-0.006	81.985	-0.007
82.023	-0.007	82.056	0.008	82.082	0.008	82.107	0.011
82.135	-0.001	82.162	-0.001	82.183	-0.001	82.208	0.007
82.232	0.012	82.255	0.020	82.284	0.012	82.308	0.001
82.336	0.005	82.357	0.002	82.379	0.002	82.402	0.002
82.424	0.002	82.452	-0.006	82.473	-0.006	82.490	-0.007
82.508	-0.007	82.527	-0.011	82.551	-0.020	82.571	-0.020
82.600	-0.004	82.626	0.011	82.647	0.023	82.667	0.022
82.682	0.022	82.700	0.022	82.721	0.014	82.747	0.006
82.770	0.006	82.803	0.014	82.832	0.014	82.851	0.014
82.871	0.010	82.902	0.002	82.934	0.003	82.972	0.008
83.022	0.028	83.071	0.021	83.110	0.018	83.144	0.018
83.176	0.022	83.195	0.018	83.231	0.017	83.255	0.009
83.281	0.008	83.304	0.008	83.333	0.004	83.356	0.003
83.385	0.003	83.411	0.011	83.433	0.015	83.454	0.015
83.470	0.015	83.493	0.008	83.511	0.008	83.545	-0.003
83.569	-0.003	83.589	-0.003	83.618	-0.002	83.645	-0.002
83.663	-0.002	83.681	-0.002	83.716	-0.006	83.728	-0.007
83.764	-0.003	83.791	-0.004	83.819	-0.008	83.850	-0.000
83.874	0.003	83.902	0.003	83.946	0.001	83.975	0.012
84.014	0.010	84.047	0.013	84.081	0.023	84.107	0.022
84.142	0.025	84.166	0.019	84.203	0.035	84.225	0.036
84.254	0.033	84.290	0.023	84.315	0.024	84.355	0.010
84.387	0.011	84.429	0.017	84.471	0.022	84.501	0.013
84.536	0.016	84.566	0.023	84.602	0.002	84.632	-0.007
84.668	-0.004	84.703	-0.009	84.740	-0.009	84.774	-0.009
84.815	-0.009	84.852	-0.001	84.893	0.002	84.933	-0.010
84.967	-0.012	85.004	-0.013	85.030	-0.010	85.079	-0.027
85.119	-0.021	85.159	-0.026	85.191	-0.028	85.228	-0.021
85.264	-0.011	85.279	0.000	85.307	-0.017	85.342	-0.019
85.363	-0.024	85.397	-0.009	85.436	-0.009	85.473	0.002
85.505	0.002	85.534	-0.005	85.559	-0.005	85.586	-0.005
85.632	-0.005	85.680	0.010	85.720	0.024	85.752	0.026
85.783	0.023	85.815	0.021	85.844	0.022	85.874	0.022
85.907	0.021	85.946	0.012	85.970	0.007	85.998	0.014
86.028	0.009	86.057	0.001	86.082	-0.004	86.109	-0.009
86.147	-0.005	86.177	0.008	86.211	0.009	86.240	0.010
86.273	0.007	86.302	-0.000	86.318	-0.004	86.355	0.006

86.394	-0.017	86.426	-0.017	86.455	-0.017	86.487	-0.013
86.520	0.002	86.563	0.010	86.596	0.014	86.629	-0.017
86.656	-0.025	86.704	-0.005	86.733	-0.003	86.761	-0.001
86.785	0.000	86.809	0.002	86.846	-0.003	86.878	-0.001
86.899	-0.001	86.923	-0.001	86.941	-0.001	86.966	-0.001
86.996	-0.001	87.029	-0.001	87.050	-0.001	87.076	-0.001
87.097	-0.001	87.123	-0.000	87.149	0.001	87.177	0.006
87.205	0.007	87.239	-0.003	87.265	-0.010	87.287	-0.009
87.302	-0.009	87.333	-0.007	87.351	-0.006	87.378	-0.006
87.383	-0.006	87.403	-0.011	87.440	-0.013	87.476	-0.015
87.507	-0.016	87.514	-0.013	87.547	-0.007	87.581	-0.003
87.610	0.001	87.644	0.002	87.674	0.001	87.703	-0.000
87.722	-0.001	87.763	-0.002	87.807	-0.003	87.848	-0.004
87.882	-0.001	87.899	0.018	87.924	0.010	87.951	0.002
87.983	0.011	88.020	0.011	88.053	0.004	88.075	0.000
88.105	0.013	88.142	0.009	88.178	0.006	88.204	0.010
88.235	0.019	88.267	0.017	88.298	0.010	88.330	0.012
88.355	0.017	88.374	0.022	88.405	0.018	88.431	0.022
88.457	0.018	88.479	0.014	88.502	0.010	88.522	0.014
88.543	0.010	88.567	0.010	88.588	0.010	88.607	0.011
88.631	0.007	88.654	0.007	88.669	0.007	88.691	0.012
88.721	0.012	88.746	0.004	88.773	0.005	88.800	0.009
88.832	0.013	88.856	0.002	88.882	-0.002	88.907	0.002
88.932	0.002	88.946	-0.001	88.962	0.002	88.981	0.002
89.011	0.002	89.038	0.006	89.052	0.014	89.074	0.018
89.093	0.018	89.115	0.014	89.141	0.010	89.150	0.010
89.165	0.018	89.137	0.014	89.207	0.010	89.223	0.006
89.235	0.010	89.251	0.010	89.276	0.014	89.295	0.018
89.319	0.018	89.340	0.018	89.356	0.022	89.373	0.030
89.388	0.026	89.411	0.026	89.429	0.030	89.448	0.026
89.465	0.022	89.481	0.022	89.495	0.018	89.509	0.010
89.521	0.014	89.535	0.018	89.548	0.026	89.565	0.026
89.583	0.018	89.596	0.014	89.608	0.022	89.622	0.026
89.639	0.026	89.653	0.026	89.667	0.030	89.683	0.034
89.698	0.030	89.717	0.030	89.735	0.034	89.755	0.034
89.775	0.034	89.795	0.034	89.816	0.038	89.834	0.034
89.348	0.034	89.861	0.042	89.872	0.046	89.889	0.034
89.906	0.030	89.919	0.030	89.937	0.034	89.953	0.034
89.966	0.026	89.984	0.026	90.000	0.026	90.018	0.034
90.034	0.030	90.049	0.026	90.063	0.026	90.078	0.026
90.094	0.021	90.115	0.017	90.134	0.017	90.152	0.013
90.168	0.013	90.187	0.008	90.203	0.016	90.222	0.016
90.243	0.008	90.263	0.011	90.283	0.011	90.300	0.015
90.315	0.007	90.331	-0.001	90.345	-0.001	90.365	-0.001
90.386	-0.001	90.410	-0.001	90.428	0.002	90.449	0.006
90.468	0.006	90.485	0.002	90.504	0.002	90.522	0.002
90.543	0.002	90.558	0.006	90.577	0.006	90.592	0.006
90.616	0.006	90.632	0.014	90.648	0.022	90.667	0.018
90.682	0.014	90.704	0.022	90.724	0.018	90.744	0.018
90.759	0.026	90.774	0.030	90.794	0.018	90.810	0.022
90.835	0.026	90.867	0.026	90.893	0.034	90.905	0.026
90.930	0.002	90.950	0.022	90.979	0.046	90.996	0.054
91.017	0.042	91.047	0.009	91.068	-0.007	91.084	0.001
91.118	0.037	91.151	0.076	91.168	0.092	91.183	0.068
91.210	0.015	91.227	-0.017	91.244	-0.021	91.267	-0.005
91.294	0.022	91.316	0.050	91.333	0.065	91.347	0.048

91.371	0.016	91.392	-0.013	91.407	-0.022	91.428	-0.011
91.451	0.016	91.473	0.047	91.491	0.058	91.504	0.057
91.528	0.036	91.553	0.002	91.573	0.010	91.600	0.010
91.625	0.022	91.650	0.026	91.673	0.030	91.697	0.038
91.727	0.030	91.761	0.018	91.792	0.002	91.803	0.010
91.823	0.022	91.850	0.010	91.878	0.006	91.892	-0.001
91.921	-0.025	91.940	-0.009	91.963	0.018	91.985	0.006
92.014	0.002	92.034	-0.001	92.058	-0.029	92.074	-0.029
92.095	-0.017	92.123	0.002	92.150	0.022	92.168	0.030
92.191	0.022	92.213	0.010	92.236	0.010	92.259	0.006
92.279	0.002	92.301	0.010	92.322	0.018	92.344	0.018
92.367	0.030	92.389	0.010	92.407	0.014	92.427	0.030
92.440	0.030	92.461	0.009	92.481	-0.003	92.497	-0.011
92.517	-0.004	92.546	0.008	92.572	0.019	92.605	0.019
92.629	0.023	92.655	0.002	92.683	-0.009	92.717	0.002
92.743	0.010	92.770	0.014	92.798	0.010	92.822	0.002
92.847	0.002	92.881	0.002	92.900	-0.001	92.919	0.010
92.947	0.018	92.973	0.022	92.986	0.018	93.015	0.010
93.039	0.010	93.071	0.006	93.093	0.022	93.108	0.022
93.130	0.014	93.147	0.006	93.165	-0.005	93.178	-0.005
93.195	0.010	93.215	0.018	93.236	0.010	93.260	0.014
93.283	0.006	93.312	0.014	93.330	0.006	93.352	0.002
93.379	0.014	93.406	0.026	93.431	0.026	93.468	0.018
93.500	0.010	93.525	0.006	93.544	0.006	93.568	0.014
93.587	0.014	93.614	0.010	93.644	0.006	93.680	0.006
93.705	-0.001	93.728	-0.009	93.756	-0.013	93.776	-0.005
93.799	0.002	93.823	0.010	93.845	0.014	93.867	0.018
93.896	0.006	93.930	-0.001	93.961	-0.009	93.990	-0.009
94.021	0.006	94.049	0.002	94.087	-0.001	94.112	-0.001
94.136	-0.005	94.159	-0.005	94.189	-0.001	94.229	-0.001
94.261	-0.005	94.291	-0.005	94.313	-0.005	94.331	-0.009
94.360	-0.013	94.383	-0.021	94.402	-0.017	94.430	-0.008
94.450	-0.000	94.480	-0.004	94.505	-0.007	94.532	-0.007
94.554	-0.003	94.581	0.001	94.611	0.006	94.642	0.006
94.661	0.010	94.683	0.010	94.708	0.002	94.733	0.002
94.755	0.006	94.775	0.006	94.799	0.006	94.823	0.002
94.843	0.006	94.866	0.006	94.889	0.006	94.910	0.002
94.935	-0.001	94.966	-0.001	94.985	-0.005	95.011	-0.005
95.025	-0.005	95.039	-0.001	95.057	0.006	95.070	0.010
95.096	0.002	95.121	0.002	95.151	-0.001	95.181	-0.001
95.197	0.002	95.225	0.006	95.240	0.010	95.260	0.010
95.276	0.014	95.296	0.018	95.327	0.010	95.355	0.002
95.383	0.006	95.413	0.002	95.450	0.002	95.481	-0.001
95.529	-0.001	95.573	-0.005	95.602	0.006	95.620	0.006
95.646	-0.017	95.691	-0.017	95.722	-0.009	95.740	-0.009
95.765	-0.017	95.786	-0.017	95.814	-0.005	95.841	-0.009
95.867	-0.001	95.884	0.002	95.910	-0.009	95.931	-0.009
95.950	-0.005	95.969	-0.005	95.987	-0.005	96.012	0.006
96.023	0.010	96.047	0.006	96.063	-0.001	96.091	-0.001
96.116	-0.005	96.135	-0.005	96.156	0.002	96.175	0.010
96.205	0.006	96.235	0.006	96.263	0.006	96.289	0.002
96.311	-0.005	96.329	-0.005	96.347	-0.001	96.370	0.002
96.391	0.006	96.408	0.010	96.427	0.014	96.443	0.014
96.460	0.014	96.476	0.010	96.496	0.010	96.518	0.010
96.544	0.010	96.566	0.006	96.590	-0.005	96.614	-0.001
96.651	-0.001	96.679	-0.001	96.706	-0.009	96.726	-0.013

96.759	-0.013	96.783	-0.009	96.809	-0.001	96.828	-0.001
96.854	-0.013	96.882	-0.001	96.915	-0.001	96.944	-0.005
96.980	-0.009	97.021	-0.013	97.051	-0.013	97.082	-0.009
97.116	-0.001	97.150	-0.005	97.188	-0.013	97.219	-0.005
97.252	-0.005	97.278	-0.013	97.310	-0.009	97.351	-0.001
97.406	-0.005	97.462	0.002	97.513	0.006	97.549	0.002
97.579	0.006	97.618	0.002	97.655	-0.005	97.698	-0.009
97.737	-0.009	97.758	0.002	97.784	0.010	97.820	0.010
97.852	0.014	97.894	0.018	97.928	0.014	97.963	0.006
98.000	0.006	98.035	0.006	98.072	0.006	98.111	0.002
98.149	0.010	98.191	0.014	98.225	0.010	98.258	0.006
98.289	0.002	98.318	-0.005	98.345	-0.005	98.375	0.002
98.402	-0.005	98.426	-0.013	98.463	-0.017	98.495	-0.013
98.536	-0.013	98.567	-0.025	98.599	-0.021	98.623	-0.021
98.639	-0.021	98.680	-0.013	98.754	-0.016	98.811	-0.006
98.859	-0.001	98.904	0.004	98.954	0.013	98.984	0.014
99.016	-0.001	99.052	0.006	99.091	0.006	99.130	0.006
99.176	0.002	99.240	-0.009				

IG108
71.022 2/9/71 0600 PST C.I.T. MILLIKAN LIBRARY,BASEMENT EAST

4875 POINTS 99.278 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1524 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.029	0.012	-0.041	0.028	-0.063	0.037	-0.057
0.047	-0.035	0.065	0.005	0.077	0.037	0.086	0.053
0.098	0.049	0.111	0.032	0.128	0.016	0.140	0.004
0.150	-0.001	0.162	0.010	0.180	0.026	0.189	0.022
0.203	0.004	0.220	-0.022	0.230	-0.034	0.255	-0.048
0.275	-0.047	0.296	-0.015	0.307	-0.004	0.328	-0.005
0.353	0.015	0.368	0.025	0.380	0.020	0.397	-0.002
0.416	-0.047	0.428	-0.061	0.439	-0.045	0.455	-0.002
0.466	0.012	0.488	0.017	0.503	0.026	0.516	0.040
0.529	0.054	0.536	0.044	0.553	-0.016	0.563	-0.036
0.580	-0.031	0.593	-0.016	0.609	0.001	0.618	-0.004
0.637	-0.032	0.650	-0.041	0.664	-0.038	0.683	-0.030
0.701	-0.016	0.720	-0.010	0.738	-0.023	0.748	-0.019
0.766	0.013	0.776	0.019	0.791	0.019	0.811	0.033
0.823	0.032	0.843	0.035	0.854	-0.007	0.872	-0.013
0.891	-0.015	0.901	-0.004	0.918	0.026	0.927	0.022
0.940	-0.001	0.950	-0.003	0.969	0.027	0.983	0.044
0.992	0.042	1.004	0.037	1.025	0.038	1.057	0.005
1.072	-0.026	1.087	-0.056	1.103	-0.061	1.131	-0.035
1.148	-0.032	1.164	-0.044	1.178	-0.045	1.188	-0.031
1.216	0.024	1.230	0.037	1.237	0.028	1.260	-0.027
1.274	-0.046	1.282	-0.040	1.304	0.005	1.319	0.020
1.332	0.012	1.343	0.002	1.365	-0.008	1.376	-0.016
1.390	-0.024	1.398	-0.012	1.419	0.041	1.432	0.050
1.442	0.028	1.457	-0.020	1.476	-0.068	1.488	-0.078
1.505	-0.076	1.526	-0.072	1.541	-0.055	1.568	0.003
1.585	0.022	1.593	0.012	1.608	-0.018	1.619	-0.016
1.639	0.020	1.669	0.053	1.683	0.050	1.708	0.020
1.729	-0.001	1.752	-0.015	1.771	-0.026	1.790	-0.032
1.806	-0.025	1.825	-0.017	1.847	-0.029	1.871	-0.051
1.893	-0.080	1.909	-0.099	1.924	-0.078	1.959	0.043
1.973	0.066	1.982	0.050	2.006	-0.016	2.033	-0.051
2.055	-0.041	2.069	-0.010	2.093	0.081	2.102	0.092
2.122	0.045	2.154	-0.068	2.164	-0.086	2.195	-0.076
2.213	-0.074	2.224	-0.061	2.239	-0.029	2.268	-0.005
2.281	-0.017	2.301	-0.054	2.308	-0.057	2.317	-0.027
2.334	0.050	2.354	0.090	2.363	0.078	2.379	0.038
2.387	0.038	2.409	0.071	2.418	0.067	2.435	0.032
2.448	0.021	2.474	0.034	2.482	0.016	2.504	-0.084
2.518	-0.122	2.527	-0.104	2.553	0.024	2.563	0.049

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
2.580	0.035	2.611	0.017	2.635	0.006	2.657	-0.030
2.670	-0.030	2.690	0.023	2.708	0.059	2.716	0.049
2.734	-0.013	2.755	-0.063	2.769	-0.089	2.780	-0.089
2.797	-0.050	2.817	0.010	2.831	0.050	2.844	0.068
2.854	0.046	2.877	-0.050	2.889	-0.061	2.909	-0.035
2.926	0.001	2.942	0.046	2.954	0.065	2.962	0.050
2.982	-0.013	2.990	-0.018	3.012	0.013	3.038	0.036
3.064	0.064	3.077	0.051	3.111	-0.068	3.125	-0.105
3.136	-0.090	3.154	-0.010	3.168	0.024	3.182	0.013
3.192	-0.003	3.218	-0.047	3.236	-0.114	3.245	-0.136
3.256	-0.124	3.279	-0.072	3.291	-0.057	3.307	-0.046
3.327	-0.018	3.342	-0.004	3.360	0.002	3.373	0.022
3.391	0.070	3.407	0.095	3.417	0.090	3.437	0.055
3.462	0.021	3.479	-0.004	3.507	-0.044	3.531	-0.078
3.548	-0.087	3.561	-0.069	3.582	-0.014	3.596	0.027
3.612	0.072	3.627	0.093	3.650	0.080	3.679	0.050
3.693	0.023	3.715	-0.032	3.736	-0.073	3.756	-0.096
3.769	-0.080	3.785	-0.033	3.800	-0.013	3.808	-0.025
3.822	-0.062	3.843	-0.113	3.860	-0.148	3.868	-0.142
3.884	-0.089	3.899	-0.028	3.910	0.015	3.921	0.033
3.929	0.017	3.948	-0.049	3.959	-0.076	3.965	-0.069
3.984	-0.000	4.005	0.078	4.022	0.147	4.035	0.186
4.042	0.183	4.062	0.133	4.072	0.114	4.088	0.101
4.104	0.054	4.137	-0.154	4.160	-0.293	4.173	-0.336
4.181	-0.326	4.201	-0.263	4.223	-0.203	4.248	-0.128
4.268	-0.036	4.294	0.116	4.306	0.168	4.331	0.226
4.346	0.278	4.358	0.308	4.368	0.283	4.401	0.088
4.423	-0.064	4.450	-0.276	4.474	-0.406	4.494	-0.469
4.506	-0.485	4.524	-0.468	4.546	-0.422	4.568	-0.340
4.587	-0.175	4.607	0.072	4.624	0.261	4.647	0.445
4.671	0.635	4.682	0.673	4.702	0.655	4.711	0.651
4.726	0.669	4.746	0.693	4.757	0.670	4.793	0.450
4.804	0.331	4.822	0.032	4.839	-0.251	4.853	-0.435
4.870	-0.606	4.882	-0.662	4.896	-0.623	4.928	-0.393
4.940	-0.294	4.960	-0.121	4.968	-0.089	4.985	-0.158
5.023	-0.448	5.040	-0.554	5.049	-0.532	5.079	-0.245
5.102	0.018	5.131	0.405	5.146	0.556	5.165	0.611
5.193	0.580	5.203	0.500	5.244	-0.105	5.265	-0.483
5.283	-0.830	5.295	-0.974	5.311	-1.012	5.329	-0.890
5.384	-0.057	5.412	0.432	5.433	0.731	5.442	0.781

5.460	0.773	5.476	0.729	5.504	0.575	5.513	0.530
5.528	0.463	5.534	0.377	5.560	-0.116	5.570	-0.287
5.580	-0.417	5.592	-0.493	5.602	-0.492	5.618	-0.386
5.639	-0.197	5.653	-0.145	5.670	-0.209	5.699	-0.423
5.711	-0.464	5.727	-0.372	5.754	-0.023	5.776	0.338
5.792	0.545	5.800	0.583	5.811	0.511	5.831	0.247
5.851	-0.001	5.868	-0.118	5.874	-0.111	5.893	0.027
5.901	0.071	5.915	0.116	5.930	0.137	5.941	0.065
5.968	-0.265	5.978	-0.327	5.992	-0.284	6.011	-0.179
6.032	-0.110	6.049	-0.087	6.061	-0.096	6.072	-0.117
6.100	-0.131	6.112	-0.110	6.126	-0.019	6.159	0.307
6.172	0.398	6.196	0.485	6.214	0.543	6.225	0.575
6.238	0.583	6.253	0.525	6.269	0.356	6.291	0.050
6.304	-0.091	6.312	-0.107	6.330	-0.092	6.340	-0.139
6.368	-0.377	6.381	-0.432	6.393	-0.406	6.411	-0.303
6.423	-0.291	6.449	-0.425	6.457	-0.448	6.467	-0.398
6.510	0.031	6.512	0.045	6.532	0.194	6.550	0.333
6.556	0.351	6.567	0.262	6.587	-0.091	6.595	-0.226
6.610	-0.419	6.629	-0.722	6.641	-0.892	6.648	-0.962
6.658	-1.012	6.678	-1.052	6.689	-1.079	6.710	-1.154
6.717	-1.163	6.726	-1.084	6.769	-0.241	6.791	0.170
6.804	0.372	6.825	0.584	6.834	0.633	6.853	0.652
6.872	0.652	6.884	0.628	6.895	0.551	6.911	0.360
6.922	0.184	6.944	-0.195	6.952	-0.304	6.962	-0.377
6.967	-0.393	6.982	-0.408	6.999	-0.442	7.011	-0.451
7.030	-0.425	7.047	-0.365	7.066	-0.261	7.083	-0.176
7.093	-0.132	7.094	-0.129	7.107	-0.085	7.127	-0.036
7.137	0.086	7.171	0.868	7.185	1.180	7.192	1.300
7.230	1.760	7.244	1.879	7.253	1.895	7.264	1.782
7.282	1.406	7.292	1.179	7.305	0.930	7.317	0.714
7.330	0.468	7.343	0.230	7.353	0.089	7.371	-0.083
7.382	-0.136	7.395	-0.137	7.405	-0.135	7.424	-0.179
7.438	-0.237	7.447	-0.309	7.476	-0.672	7.485	-0.755
7.491	-0.765	7.499	-0.724	7.519	-0.570	7.527	-0.526
7.546	-0.448	7.561	-0.324	7.577	-0.082	7.591	0.182
7.600	0.328	7.607	0.376	7.617	0.355	7.642	0.210
7.671	0.053	7.688	-0.015	7.697	-0.019	7.708	0.032
7.720	0.105	7.724	0.110	7.735	0.025	7.750	-0.155
7.762	-0.239	7.769	-0.221	7.784	-0.109	7.791	-0.089
7.808	-0.138	7.816	-0.143	7.836	-0.087	7.846	-0.090
7.865	-0.172	7.876	-0.198	7.884	-0.171	7.897	-0.095
7.904	-0.079	7.914	-0.148	7.933	-0.413	7.945	-0.626
7.958	-0.829	7.967	-0.912	7.974	-0.870	8.005	-0.374
8.023	-0.140	8.043	0.054	8.053	0.096	8.079	0.605
8.101	0.957	8.110	1.078	8.119	1.142	8.132	1.115
8.161	0.749	8.174	0.670	8.181	0.655	8.204	0.740
8.213	0.752	8.224	0.669	8.244	0.349	8.270	-0.286
8.284	-0.642	8.292	-0.810	8.302	-0.981	8.309	-1.001
8.321	-0.974	8.346	-0.830	8.387	-0.446	8.406	-0.262
8.419	-0.210	8.441	-0.221	8.453	-0.177	8.479	-0.001
8.500	0.175	8.508	0.231	8.514	0.231	8.528	0.148
8.565	-0.231	8.576	-0.327	8.593	-0.375	8.608	-0.422
8.619	-0.458	8.628	-0.442	8.652	-0.274	8.676	0.005
8.695	0.169	8.729	0.417	8.740	0.473	8.758	0.533
8.776	0.689	8.805	0.757	8.827	0.809	8.838	0.797
8.851	0.725	8.884	0.385	8.896	0.297	8.920	0.181

8.936	0.069	8.957	-0.162	8.973	-0.382	8.990	-0.654
9.002	-0.806	9.013	-0.902	9.021	-0.902	9.033	-0.806
9.065	-0.210	9.079	0.041	9.091	0.153	9.104	0.209
9.112	0.197	9.133	0.097	9.146	0.073	9.161	0.109
9.189	0.257	9.217	0.509	9.232	0.561	9.247	0.505
9.267	0.265	9.286	-0.094	9.295	-0.318	9.303	-0.462
9.314	-0.606	9.328	-0.682	9.359	-0.654	9.389	-0.634
9.414	-0.422	9.439	-0.186	9.449	-0.150	9.466	-0.166
9.490	-0.071	9.499	-0.055	9.515	-0.059	9.527	-0.023
9.540	0.065	9.575	0.476	9.588	0.548	9.598	0.540
9.615	0.516	9.624	0.540	9.670	0.879	9.685	0.938
9.692	0.938	9.711	0.830	9.731	0.786	9.757	0.646
9.774	0.574	9.793	0.549	9.810	0.561	9.828	0.577
9.846	0.529	9.857	0.413	9.878	0.093	9.892	-0.047
9.903	-0.078	9.921	-0.051	9.930	-0.015	9.948	0.125
9.964	0.233	9.971	0.221	9.995	-0.055	10.014	-0.282
10.025	-0.382	10.040	-0.458	10.050	-0.474	10.074	-0.412
10.083	-0.406	10.108	-0.481	10.122	-0.503	10.135	-0.484
10.145	-0.426	10.181	0.090	10.194	0.198	10.210	0.232
10.223	0.190	10.253	-0.239	10.263	-0.366	10.280	-0.485
10.295	-0.537	10.307	-0.529	10.320	-0.472	10.344	-0.288
10.367	-0.224	10.380	-0.167	10.394	-0.059	10.412	-0.007
10.424	-0.039	10.445	-0.146	10.464	-0.170	10.477	-0.134
10.504	-0.051	10.517	-0.027	10.534	-0.074	10.553	-0.234
10.581	-0.546	10.595	-0.650	10.612	-0.682	10.632	-0.658
10.677	-0.411	10.693	-0.301	10.712	-0.222	10.736	0.040
10.752	0.135	10.768	0.213	10.784	0.360	10.801	0.567
10.819	0.749	10.825	0.797	10.833	0.808	10.843	0.788
10.854	0.611	10.881	0.154	10.894	-0.047	10.906	-0.254
10.919	-0.442	10.929	-0.570	10.942	-0.686	10.955	-0.730
10.968	-0.686	10.983	-0.554	11.003	-0.318	11.015	-0.190
11.027	-0.122	11.045	-0.078	11.060	-0.043	11.073	0.021
11.083	0.085	11.095	0.117	11.116	0.113	11.140	0.112
11.152	0.120	11.166	0.136	11.184	0.107	11.199	0.091
11.222	0.131	11.254	0.126	11.288	0.125	11.313	0.121
11.328	0.101	11.343	0.029	11.360	-0.102	11.379	-0.322
11.389	-0.438	11.403	-0.558	11.425	-0.702	11.438	-0.782
11.451	-0.822	11.471	-0.802	11.487	-0.762	11.496	-0.718
11.531	-0.430	11.549	-0.362	11.563	-0.358	11.595	-0.534
11.608	-0.574	11.624	-0.534	11.651	-0.306	11.659	-0.250
11.685	-0.230	11.707	-0.142	11.733	0.073	11.756	0.317
11.775	0.533	11.790	0.637	11.802	0.697	11.820	0.709
11.840	0.621	11.878	0.321	11.893	0.241	11.929	-0.003
11.942	-0.067	11.971	-0.078	11.986	-0.051	12.014	0.021
12.046	0.229	12.072	0.513	12.086	0.581	12.102	0.593
12.114	0.557	12.142	0.365	12.152	0.305	12.164	0.309
12.184	0.365	12.200	0.377	12.216	0.301	12.239	0.057
12.258	-0.130	12.278	-0.253	12.298	-0.328	12.330	-0.310
12.349	-0.317	12.363	-0.313	12.375	-0.288	12.387	-0.263
12.408	-0.167	12.421	-0.126	12.431	-0.121	12.469	-0.176
12.494	-0.222	12.506	-0.226	12.518	-0.191	12.540	-0.035
12.564	0.152	12.586	0.216	12.601	0.228	12.653	0.079
12.682	-0.081	12.696	-0.137	12.714	-0.121	12.736	0.006
12.764	0.198	12.777	0.238	12.789	0.213	12.804	0.181
12.819	0.193	12.841	0.261	12.860	0.297	12.878	0.285
12.896	0.269	12.921	0.193	12.947	0.061	12.964	-0.019

12.975	-0.027	12.987	0.005	13.029	0.193	13.038	0.241
13.062	0.285	13.078	0.341	13.095	0.405	13.106	0.429
13.124	0.373	13.142	0.257	13.158	0.185	13.206	0.032
13.224	-0.028	13.255	-0.238	13.274	-0.376	13.289	-0.428
13.302	-0.404	13.332	-0.261	13.356	-0.185	13.373	-0.094
13.387	-0.070	13.400	-0.094	13.431	-0.218	13.443	-0.262
13.480	-0.287	13.495	-0.279	13.537	-0.132	13.551	-0.064
13.572	0.056	13.587	0.092	13.624	-0.109	13.645	-0.149
13.661	-0.133	13.688	-0.057	13.723	0.018	13.772	0.217
13.794	0.337	13.811	0.373	13.825	0.337	13.865	0.133
13.883	0.049	13.908	0.005	13.924	0.001	13.948	0.029
13.978	0.133	13.995	0.161	14.019	0.177	14.049	0.249
14.099	0.301	14.113	0.301	14.149	0.054	14.166	-0.018
14.185	-0.045	14.211	-0.009	14.226	-0.005	14.246	-0.081
14.284	-0.300	14.302	-0.360	14.314	-0.344	14.359	-0.279
14.383	-0.319	14.433	-0.239	14.445	-0.194	14.465	-0.110
14.492	-0.011	14.528	0.165	14.544	0.209	14.557	0.201
14.591	0.121	14.611	0.005	14.631	-0.110	14.647	-0.158
14.662	-0.150	14.696	-0.035	14.709	0.001	14.723	-0.011
14.742	-0.086	14.771	-0.262	14.786	-0.294	14.799	-0.274
14.821	-0.174	14.839	-0.142	14.864	-0.126	14.890	0.001
14.902	0.025	14.924	0.041	14.949	0.145	14.965	0.157
14.994	0.161	15.025	0.197	15.036	0.185	15.066	0.141
15.091	0.133	15.106	0.141	15.130	0.193	15.145	0.205
15.155	0.185	15.189	0.097	15.215	0.045	15.227	0.037
15.236	0.053	15.257	0.133	15.281	0.173	15.307	0.193
15.322	0.229	15.349	0.332	15.377	0.480	15.395	0.535
15.416	0.571	15.430	0.547	15.441	0.479	15.481	0.150
15.498	0.010	15.514	-0.074	15.526	-0.134	15.581	-0.195
15.597	-0.195	15.632	-0.188	15.645	-0.200	15.669	-0.220
15.692	-0.216	15.718	-0.237	15.733	-0.253	15.753	-0.297
15.766	-0.349	15.778	-0.365	15.788	-0.358	15.855	-0.194
15.872	-0.170	15.883	-0.198	15.932	-0.302	15.947	-0.314
15.959	-0.302	15.993	-0.254	16.014	-0.234	16.035	-0.246
16.052	-0.234	16.071	-0.202	16.084	-0.170	16.124	-0.051
16.141	-0.019	16.152	-0.035	16.173	-0.055	16.189	-0.067
16.211	-0.063	16.232	-0.094	16.244	-0.094	16.257	-0.078
16.296	0.017	16.315	0.065	16.342	0.109	16.363	0.157
16.385	0.209	16.401	0.221	16.411	0.209	16.425	0.185
16.465	0.033	16.477	-0.019	16.489	-0.019	16.520	0.045
16.535	0.057	16.554	0.029	16.603	-0.179	16.621	-0.247
16.636	-0.264	16.650	-0.240	16.701	-0.153	16.741	-0.081
16.761	-0.042	16.786	-0.002	16.796	-0.006	16.854	-0.160
16.869	-0.208	16.882	-0.213	16.906	-0.166	16.916	-0.162
16.939	-0.211	16.952	-0.227	16.966	-0.228	16.983	-0.208
16.998	-0.165	17.023	-0.062	17.046	-0.007	17.059	0.025
17.089	0.049	17.102	0.061	17.122	0.097	17.134	0.093
17.154	0.085	17.177	0.117	17.199	0.117	17.214	0.141
17.243	0.229	17.257	0.265	17.270	0.285	17.286	0.269
17.307	0.248	17.329	0.256	17.343	0.272	17.367	0.315
17.386	0.347	17.411	0.350	17.442	0.350	17.456	0.350
17.478	0.305	17.494	0.289	17.517	0.301	17.536	0.302
17.553	0.270	17.586	0.139	17.609	0.031	17.624	-0.020
17.640	-0.036	17.656	-0.020	17.677	0.000	17.688	-0.003
17.718	-0.059	17.736	-0.123	17.748	-0.142	17.763	-0.130
17.784	-0.078	17.825	-0.023	17.843	-0.023	17.871	-0.098

17.884	-0.114	17.915	-0.102	17.944	-0.094	17.965	-0.063
17.994	-0.043	18.025	0.005	18.036	0.016	18.058	0.012
18.080	0.060	18.097	0.083	18.113	0.075	18.148	0.035
18.175	-0.006	18.191	0.002	18.212	0.021	18.257	0.029
18.287	0.053	18.311	0.061	18.340	0.093	18.360	0.101
18.380	0.093	18.395	0.065	18.423	-0.007	18.447	-0.055
18.465	-0.078	18.482	-0.082	18.512	-0.074	18.540	-0.051
18.553	-0.047	18.568	-0.063	18.583	-0.098	18.597	-0.114
18.628	-0.110	18.646	-0.122	18.666	-0.154	18.702	-0.330
18.719	-0.390	18.732	-0.406	18.751	-0.390	18.793	-0.206
18.812	-0.122	18.840	-0.059	18.879	0.017	18.896	0.037
18.927	0.025	18.955	0.049	18.978	0.065	19.012	0.049
19.047	0.057	19.074	0.069	19.109	0.077	19.127	0.085
19.146	0.041	19.178	-0.039	19.199	-0.082	19.212	-0.074
19.238	-0.039	19.254	-0.007	19.275	0.033	19.299	-0.003
19.322	-0.011	19.337	-0.003	19.353	0.000	19.374	0.008
19.394	0.056	19.411	0.091	19.424	0.095	19.443	0.047
19.460	0.003	19.483	-0.018	19.514	-0.054	19.530	-0.078
19.546	-0.115	19.569	-0.171	19.586	-0.223	19.604	-0.264
19.619	-0.276	19.633	-0.252	19.669	-0.177	19.687	-0.150
19.704	-0.138	19.713	-0.158	19.735	-0.179	19.747	-0.183
19.761	-0.163	19.791	-0.116	19.809	-0.100	19.825	-0.093
19.849	-0.117	19.862	-0.097	19.904	0.033	19.923	0.093
19.944	0.133	19.969	0.157	19.990	0.189	20.010	0.213
20.029	0.237	20.041	0.233	20.067	0.189	20.083	0.157
20.098	0.125	20.112	0.121	20.125	0.137	20.149	0.173
20.161	0.185	20.176	0.181	20.191	0.157	20.210	0.101
20.224	0.065	20.231	0.045	20.246	0.037	20.260	0.053
20.282	0.081	20.293	0.094	20.310	0.074	20.324	0.082
20.348	0.095	20.360	0.083	20.376	0.056	20.387	0.048
20.400	0.064	20.417	0.097	20.427	0.117	20.437	0.125
20.449	0.113	20.465	0.102	20.478	0.098	20.490	0.114
20.502	0.127	20.514	0.135	20.523	0.115	20.541	0.091
20.557	0.072	20.584	0.040	20.598	0.025	20.614	0.013
20.635	0.014	20.650	-0.006	20.677	-0.064	20.696	-0.096
20.717	-0.103	20.750	-0.102	20.768	-0.109	20.788	-0.116
20.806	-0.107	20.822	-0.103	20.844	-0.098	20.868	-0.066
20.901	-0.045	20.922	-0.021	20.936	-0.032	20.955	-0.084
20.986	-0.159	21.003	-0.207	21.020	-0.223	21.035	-0.210
21.059	-0.179	21.088	-0.151	21.105	-0.132	21.150	-0.025
21.182	0.054	21.212	0.098	21.236	0.133	21.250	0.121
21.275	0.111	21.298	0.110	21.321	0.120	21.341	0.143
21.364	0.170	21.386	0.160	21.405	0.171	21.425	0.162
21.447	0.153	21.467	0.129	21.489	0.117	21.509	0.069
21.526	0.045	21.546	0.033	21.561	0.005	21.582	-0.043
21.604	-0.086	21.625	-0.134	21.645	-0.170	21.666	-0.162
21.687	-0.146	21.708	-0.114	21.726	-0.102	21.744	-0.111
21.765	-0.135	21.792	-0.160	21.825	-0.164	21.853	-0.173
21.870	-0.178	21.896	-0.226	21.908	-0.238	21.926	-0.218
21.953	-0.194	21.973	-0.162	21.999	-0.098	22.025	-0.051
22.038	-0.027	22.049	-0.007	22.062	-0.011	22.083	-0.030
22.105	-0.044	22.120	-0.023	22.135	-0.003	22.147	0.001
22.171	0.009	22.185	0.017	22.198	0.029	22.212	0.045
22.223	0.061	22.244	0.121	22.259	0.157	22.275	0.197
22.290	0.217	22.317	0.225	22.335	0.233	22.350	0.229
22.364	0.221	22.377	0.205	22.407	0.157	22.429	0.081

22.444	0.045	22.455	0.028	22.472	0.020	22.490	0.028
22.520	0.051	22.548	0.051	22.572	0.055	22.591	0.042
22.641	0.006	22.667	-0.026	22.685	-0.031	22.707	-0.027
22.722	-0.043	22.755	-0.108	22.775	-0.136	22.794	-0.148
22.806	-0.157	22.821	-0.149	22.852	-0.105	22.866	-0.086
22.894	-0.094	22.920	-0.110	22.937	-0.118	22.952	-0.102
22.992	-0.031	23.013	0.009	23.028	0.029	23.044	0.021
23.065	-0.015	23.084	-0.059	23.098	-0.071	23.120	-0.071
23.138	-0.055	23.168	0.005	23.180	0.025	23.193	0.034
23.216	0.018	23.233	0.010	23.256	0.019	23.275	0.015
23.300	0.003	23.323	-0.004	23.343	-0.008	23.363	-0.024
23.378	-0.039	23.408	-0.075	23.428	-0.110	23.441	-0.126
23.458	-0.134	23.473	-0.114	23.490	-0.090	23.504	-0.067
23.519	-0.059	23.534	-0.063	23.556	-0.078	23.569	-0.098
23.579	-0.090	23.606	-0.055	23.634	-0.035	23.647	-0.019
23.664	-0.007	23.677	-0.011	23.695	-0.031	23.707	-0.031
23.717	-0.019	23.737	0.009	23.764	0.017	23.780	0.021
23.798	0.029	23.823	0.021	23.838	0.021	23.850	0.029
23.864	0.057	23.886	0.093	23.904	0.125	23.942	0.141
23.958	0.157	23.984	0.205	24.005	0.229	24.022	0.245
24.034	0.249	24.047	0.245	24.061	0.233	24.076	0.213
24.092	0.189	24.105	0.157	24.116	0.137	24.127	0.145
24.141	0.149	24.153	0.165	24.167	0.172	24.179	0.180
24.192	0.188	24.204	0.180	24.219	0.176	24.243	0.175
24.276	0.207	24.297	0.226	24.316	0.222	24.332	0.210
24.351	0.174	24.378	0.101	24.391	0.057	24.412	0.041
24.437	0.012	24.454	-0.016	24.469	-0.068	24.485	-0.104
24.498	-0.116	24.511	-0.109	24.540	-0.061	24.556	-0.038
24.569	-0.026	24.585	-0.050	24.611	-0.098	24.628	-0.114
24.675	-0.114	24.689	-0.130	24.730	-0.214	24.748	-0.250
24.759	-0.270	24.776	-0.278	24.793	-0.258	24.815	-0.246
24.829	-0.270	24.854	-0.298	24.872	-0.314	24.890	-0.302
24.924	-0.214	24.955	-0.138	24.976	-0.074	24.995	-0.035
25.013	-0.039	25.038	-0.082	25.052	-0.118	25.067	-0.110
25.085	-0.090	25.112	-0.031	25.128	0.013	25.144	0.033
25.160	0.029	25.186	0.021	25.207	0.025	25.224	0.053
25.250	0.093	25.272	0.109	25.287	0.117	25.308	0.125
25.346	0.145	25.363	0.149	25.377	0.133	25.398	0.113
25.410	0.121	25.438	0.145	25.453	0.153	25.466	0.145
25.481	0.129	25.499	0.097	25.523	0.049	25.536	0.029
25.568	-0.003	25.578	-0.019	25.605	-0.055	25.623	-0.074
25.641	-0.082	25.658	-0.071	25.680	-0.055	25.694	-0.051
25.710	-0.063	25.732	-0.090	25.748	-0.106	25.764	-0.122
25.778	-0.130	25.795	-0.130	25.808	-0.122	25.836	-0.118
25.853	-0.110	25.879	-0.114	25.893	-0.106	25.938	-0.031
25.954	0.009	25.971	0.017	26.006	-0.003	26.032	-0.019
26.063	-0.015	26.079	-0.023	26.100	-0.039	26.124	-0.059
26.148	-0.074	26.162	-0.067	26.185	-0.031	26.201	-0.019
26.221	-0.019	26.236	-0.011	26.264	0.029	26.291	0.077
26.306	0.085	26.321	0.095	26.353	0.049	26.377	0.017
26.391	0.005	26.412	-0.007	26.431	-0.019	26.446	-0.019
26.462	-0.011	26.479	-0.003	26.499	0.017	26.510	0.013
26.529	-0.003	26.548	0.001	26.574	0.005	26.605	-0.003
26.641	0.005	26.676	-0.003	26.696	-0.003	26.711	0.025
26.743	0.098	26.766	0.122	26.792	0.135	26.818	0.132
26.838	0.124	26.863	0.121	26.893	0.066	26.918	0.047

26.930	0.040	26.946	0.048	26.974	0.106	26.990	0.127
27.010	0.132	27.025	0.124	27.048	0.105	27.073	0.085
27.086	0.065	27.108	0.005	27.136	-0.027	27.156	-0.047
27.171	-0.059	27.184	-0.047	27.225	0.009	27.244	0.029
27.256	0.029	27.271	0.013	27.301	-0.023	27.318	-0.031
27.335	-0.035	27.357	-0.019	27.378	-0.007	27.392	-0.015
27.408	-0.031	27.434	-0.063	27.459	-0.099	27.474	-0.131
27.488	-0.127	27.515	-0.100	27.535	-0.056	27.551	-0.049
27.574	-0.057	27.607	-0.078	27.622	-0.090	27.638	-0.078
27.663	-0.059	27.678	-0.059	27.696	-0.071	27.731	-0.110
27.757	-0.134	27.777	-0.150	27.795	-0.154	27.814	-0.130
27.846	-0.090	27.867	-0.059	27.895	-0.059	27.919	-0.047
27.935	-0.035	27.954	-0.008	27.974	0.012	27.986	0.004
28.011	-0.021	28.025	-0.037	28.044	-0.041	28.058	-0.034
28.077	0.002	28.094	0.034	28.110	0.057	28.132	0.081
28.147	0.081	28.161	0.064	28.177	0.048	28.194	0.036
28.213	0.047	28.233	0.071	28.248	0.075	28.273	0.070
28.293	0.058	28.318	0.054	28.348	0.049	28.374	0.045
28.391	0.037	28.421	0.053	28.446	0.049	28.473	0.021
28.491	0.009	28.522	0.017	28.537	0.009	28.554	-0.011
28.575	-0.019	28.591	-0.011	28.612	0.012	28.628	0.028
28.645	0.040	28.661	0.047	28.678	0.043	28.700	0.039
28.718	0.030	28.737	0.034	28.757	0.049	28.773	0.057
28.788	0.052	28.806	0.032	28.828	0.023	28.852	-0.010
28.876	-0.055	28.892	-0.080	28.913	-0.080	28.938	-0.053
28.968	-0.015	28.999	0.017	29.022	0.037	29.039	0.037
29.051	0.025	29.069	0.009	29.090	0.009	29.126	0.001
29.154	0.001	29.182	-0.003	29.205	-0.007	29.224	-0.023
29.244	-0.031	29.259	-0.031	29.282	-0.011	29.307	0.017
29.326	0.037	29.343	0.041	29.373	0.037	29.393	0.037
29.417	0.057	29.442	0.065	29.463	0.065	29.481	0.073
29.499	0.085	29.518	0.089	29.535	0.081	29.561	0.049
29.581	0.033	29.614	0.029	29.635	0.013	29.663	-0.003
29.701	-0.011	29.721	-0.019	29.759	-0.039	29.773	-0.047
29.794	-0.040	29.827	-0.040	29.846	-0.048	29.878	-0.057
29.911	-0.077	29.936	-0.086	29.956	-0.106	29.976	-0.114
29.994	-0.107	30.033	-0.075	30.055	-0.064	30.083	-0.044
30.095	-0.033	30.111	-0.025	30.127	-0.037	30.147	-0.050
30.166	-0.062	30.188	-0.054	30.207	-0.047	30.228	-0.055
30.246	-0.043	30.267	-0.020	30.282	-0.012	30.303	-0.020
30.325	-0.009	30.345	-0.005	30.361	0.010	30.387	0.018
30.414	0.018	30.430	0.013	30.451	0.021	30.469	0.029
30.495	0.021	30.523	0.021	30.550	0.021	30.569	0.029
30.587	0.041	30.602	0.049	30.618	0.037	30.644	0.030
30.668	0.026	30.695	0.027	30.720	0.027	30.743	0.031
30.762	0.036	30.784	0.052	30.800	0.060	30.819	0.057
30.840	0.053	30.855	0.045	30.871	0.057	30.889	0.073
30.904	0.065	30.921	0.053	30.934	0.041	30.955	0.025
30.976	0.013	30.994	0.001	31.030	-0.019	31.060	-0.031
31.079	-0.023	31.097	-0.039	31.116	-0.055	31.133	-0.047
31.164	-0.039	31.187	-0.040	31.216	-0.048	31.244	-0.056
31.265	-0.057	31.293	-0.045	31.309	-0.030	31.330	-0.006
31.343	0.006	31.367	0.005	31.382	-0.007	31.401	-0.015
31.416	-0.003	31.437	0.045	31.455	0.053	31.471	0.041
31.489	0.017	31.507	-0.007	31.525	-0.011	31.540	0.005
31.564	0.037	31.577	0.045	31.593	0.025	31.616	0.005

31.631	-0.003	31.646	0.012	31.670	0.040	31.688	0.056
31.708	0.067	31.727	0.059	31.750	0.047	31.769	0.030
31.791	0.010	31.813	-0.014	31.830	-0.034	31.846	-0.051
31.860	-0.043	31.880	-0.035	31.902	-0.040	31.917	-0.044
31.935	-0.052	31.949	-0.052	31.963	-0.040	31.982	-0.033
32.000	-0.033	32.020	-0.045	32.033	-0.057	32.051	-0.058
32.076	-0.050	32.096	-0.058	32.112	-0.051	32.135	-0.035
32.156	-0.027	32.183	-0.012	32.202	0.000	32.225	-0.000
32.241	0.011	32.256	0.031	32.274	0.047	32.292	0.051
32.310	0.050	32.330	0.042	32.353	0.030	32.371	0.050
32.414	0.098	32.428	0.106	32.442	0.111	32.467	0.096
32.489	0.088	32.505	0.065	32.528	0.030	32.541	0.018
32.560	0.007	32.583	-0.000	32.623	-0.027	32.647	-0.046
32.665	-0.051	32.704	-0.047	32.715	-0.056	32.727	-0.065
32.744	-0.063	32.768	-0.070	32.792	-0.071	32.818	-0.085
32.848	-0.102	32.863	-0.106	32.879	-0.114	32.898	-0.102
32.918	-0.082	32.934	-0.078	32.957	-0.079	32.976	-0.083
32.988	-0.087	33.007	-0.087	33.024	-0.080	33.036	-0.064
33.060	-0.048	33.084	-0.033	33.102	-0.033	33.124	-0.041
33.142	-0.042	33.167	-0.038	33.189	-0.030	33.214	-0.011
33.230	0.001	33.246	-0.007	33.263	-0.019	33.278	-0.027
33.292	-0.019	33.312	-0.011	33.330	0.009	33.347	0.025
33.364	0.029	33.382	0.025	33.397	0.009	33.409	0.005
33.427	0.017	33.446	0.029	33.468	0.033	33.487	0.041
33.506	0.057	33.526	0.077	33.547	0.097	33.566	0.113
33.583	0.133	33.598	0.157	33.613	0.153	33.631	0.141
33.647	0.117	33.671	0.073	33.692	0.041	33.710	0.029
33.732	0.017	33.751	-0.003	33.768	-0.027	33.779	-0.035
33.794	-0.027	33.808	-0.007	33.824	0.021	33.833	0.021
33.852	0.005	33.866	-0.043	33.880	-0.074	33.892	-0.078
33.904	-0.067	33.923	-0.031	33.942	0.029	33.969	0.161
33.980	0.205	33.992	0.225	34.001	0.209	34.026	0.105
34.039	0.025	34.053	-0.015	34.069	-0.027	34.085	-0.027
34.101	-0.039	34.122	-0.098	34.148	-0.182	34.163	-0.218
34.180	-0.242	34.199	-0.226	34.223	-0.210	34.238	-0.202
34.254	-0.162	34.289	-0.060	34.302	-0.033	34.312	-0.029
34.332	-0.054	34.350	-0.079	34.362	-0.079	34.377	-0.048
34.400	0.027	34.412	0.066	34.423	0.074	34.442	-0.003
34.460	-0.063	34.473	-0.086	34.484	-0.067	34.504	-0.023
34.519	-0.023	34.529	-0.047	34.550	-0.114	34.563	-0.130
34.573	-0.122	34.606	0.005	34.621	0.041	34.631	0.053
34.641	0.029	34.672	-0.039	34.681	-0.051	34.694	-0.039
34.718	0.008	34.732	0.040	34.745	0.043	34.770	0.022
34.804	0.009	34.832	-0.008	34.855	-0.029	34.868	-0.021
34.901	0.038	34.929	0.089	34.947	0.112	34.958	0.108
34.970	0.080	34.992	0.016	35.004	-0.001	35.028	0.027
35.041	0.031	35.076	0.018	35.095	0.029	35.122	0.033
35.141	0.029	35.160	0.008	35.191	-0.040	35.214	-0.085
35.231	-0.105	35.247	-0.105	35.265	-0.078	35.294	-0.006
35.311	0.021	35.328	0.045	35.343	0.053	35.364	0.041
35.383	0.045	35.407	0.073	35.421	0.085	35.448	0.053
35.462	0.037	35.492	0.045	35.508	0.053	35.524	0.045
35.552	0.013	35.581	-0.007	35.607	-0.031	35.633	-0.048
35.660	-0.072	35.689	-0.076	35.706	-0.077	35.734	-0.041
35.749	-0.013	35.768	-0.022	35.781	-0.030	35.799	-0.062
35.813	-0.074	35.831	-0.058	35.853	-0.047	35.874	-0.027

35.891	-0.040	35.913	-0.048	35.932	-0.044	35.952	-0.033
35.969	-0.025	35.990	-0.029	36.013	-0.026	36.035	-0.026
36.049	-0.042	36.072	-0.058	36.087	-0.066	36.111	-0.065
36.128	-0.053	36.148	-0.041	36.168	-0.032	36.187	-0.012
36.207	0.000	36.230	-0.011	36.246	-0.007	36.275	0.013
36.293	0.021	36.315	0.029	36.339	0.049	36.358	0.061
36.389	0.061	36.411	0.069	36.432	0.073	36.448	0.065
36.472	0.017	36.488	-0.011	36.510	-0.003	36.529	0.001
36.547	-0.008	36.570	-0.028	36.588	-0.036	36.607	-0.025
36.633	-0.005	36.666	0.038	36.685	0.054	36.703	0.066
36.720	0.049	36.750	-0.003	36.765	-0.035	36.790	-0.039
36.808	-0.035	36.835	-0.003	36.862	0.033	36.880	0.049
36.895	0.057	36.917	0.029	36.942	0.021	36.957	0.001
36.981	-0.031	37.007	-0.031	37.026	-0.031	37.043	-0.019
37.061	-0.015	37.073	-0.035	37.099	-0.055	37.114	-0.063
37.135	-0.055	37.154	-0.043	37.180	-0.011	37.216	-0.011
37.255	-0.011	37.293	-0.015	37.313	-0.011	37.337	-0.007
37.369	-0.015	37.398	-0.035	37.421	-0.059	37.446	-0.067
37.465	-0.055	37.486	-0.031	37.512	0.025	37.527	0.053
37.546	0.069	37.570	0.077	37.590	0.061	37.626	0.017
37.642	-0.003	37.664	-0.035	37.687	-0.035	37.706	-0.051
37.725	-0.043	37.747	-0.031	37.770	-0.027	37.798	-0.019
37.816	-0.019	37.838	-0.007	37.860	-0.011	37.884	0.008
37.908	-0.004	37.923	-0.012	37.950	0.003	37.972	0.011
37.992	0.019	38.020	0.018	38.037	0.006	38.061	-0.022
38.079	-0.038	38.096	-0.055	38.110	-0.067	38.127	-0.063
38.150	-0.059	38.172	-0.039	38.192	-0.031	38.229	-0.031
38.257	-0.031	38.286	-0.035	38.312	-0.039	38.339	-0.035
38.365	-0.035	38.391	-0.023	38.417	-0.015	38.435	0.001
38.454	0.017	38.467	0.017	38.482	0.009	38.502	-0.002
38.520	-0.014	38.536	-0.034	38.555	-0.021	38.574	-0.017
38.597	-0.001	38.627	0.012	38.667	0.012	38.697	0.009
38.717	-0.007	38.742	-0.023	38.774	-0.031	38.800	-0.019
38.832	-0.004	38.858	-0.012	38.883	-0.008	38.901	-0.005
38.917	0.007	38.937	0.003	38.958	-0.009	38.974	-0.029
38.990	-0.038	39.010	-0.026	39.028	-0.006	39.050	0.021
39.066	0.045	39.084	0.061	39.100	0.065	39.114	0.065
39.140	0.053	39.164	0.037	39.182	0.021	39.197	0.005
39.215	-0.011	39.232	-0.015	39.248	-0.007	39.273	0.005
39.297	0.009	39.317	0.017	39.339	0.033	39.361	0.033
39.373	0.025	39.391	0.017	39.421	-0.003	39.438	-0.011
39.459	-0.015	39.476	-0.019	39.489	-0.031	39.514	-0.031
39.534	-0.023	39.556	-0.015	39.578	-0.011	39.599	-0.007
39.623	-0.007	39.647	-0.015	39.672	-0.015	39.690	-0.015
39.714	-0.007	39.729	-0.015	39.751	-0.035	39.776	-0.051
39.808	-0.071	39.827	-0.059	39.875	-0.059	39.897	-0.067
39.927	-0.055	39.961	-0.039	39.996	-0.015	40.016	-0.027
40.040	-0.039	40.067	-0.055	40.090	-0.063	40.112	-0.055
40.140	-0.031	40.163	-0.011	40.187	-0.007	40.212	-0.003
40.235	-0.007	40.263	-0.011	40.301	-0.019	40.326	-0.011
40.352	0.001	40.374	0.009	40.398	0.001	40.428	-0.007
40.456	-0.019	40.476	-0.019	40.498	-0.007	40.525	0.033
40.544	0.045	40.577	0.049	40.598	0.049	40.617	0.045
40.638	0.068	40.666	0.072	40.701	0.052	40.735	0.035
40.805	0.034	40.836	0.014	40.860	0.009	40.883	-0.019
40.901	-0.036	40.927	-0.029	40.956	-0.034	40.974	-0.035

41.000	-0.024	41.033	0.011	41.058	0.030	41.075	0.034
41.101	0.022	41.128	0.014	41.146	-0.006	41.162	-0.025
41.187	-0.029	41.207	-0.041	41.222	-0.037	41.240	-0.032
41.256	-0.028	41.271	-0.048	41.292	-0.064	41.310	-0.063
41.326	-0.055	41.342	-0.063	41.364	-0.067	41.382	-0.074
41.396	-0.082	41.408	-0.063	41.427	-0.031	41.445	-0.023
41.458	-0.019	41.474	-0.031	41.491	-0.047	41.509	-0.055
41.521	-0.039	41.538	-0.019	41.555	-0.007	41.566	-0.019
41.584	-0.027	41.608	-0.023	41.633	-0.019	41.661	0.001
41.679	0.017	41.698	0.013	41.719	0.000	41.745	-0.016
41.772	-0.028	41.798	-0.045	41.821	-0.037	41.841	-0.041
41.872	-0.042	41.887	-0.034	41.907	-0.018	41.928	0.009
41.948	0.022	41.973	0.014	42.006	0.010	42.024	0.007
42.043	0.019	42.066	0.031	42.102	0.028	42.122	0.040
42.150	0.040	42.167	0.040	42.190	0.029	42.223	0.013
42.241	0.009	42.271	0.013	42.297	0.005	42.313	0.013
42.335	0.012	42.357	0.024	42.383	0.032	42.416	0.040
42.430	0.035	42.461	0.023	42.486	0.007	42.513	-0.001
42.545	0.010	42.571	0.002	42.583	0.002	42.605	0.014
42.625	0.033	42.639	0.033	42.665	0.025	42.689	0.005
42.705	-0.007	42.732	-0.003	42.762	-0.003	42.786	0.001
42.808	-0.003	42.829	-0.007	42.842	-0.023	42.859	-0.019
42.884	-0.011	42.904	-0.011	42.935	-0.015	42.978	-0.019
43.007	-0.019	43.044	-0.011	43.077	-0.023	43.097	-0.015
43.122	0.001	43.146	0.013	43.162	0.005	43.191	-0.027
43.215	-0.039	43.237	-0.039	43.258	-0.023	43.277	-0.012
43.295	-0.008	43.321	-0.028	43.347	-0.029	43.370	-0.021
43.393	0.002	43.429	0.018	43.456	0.033	43.483	0.037
43.502	0.033	43.529	0.017	43.557	0.017	43.575	0.009
43.599	-0.007	43.622	0.001	43.648	0.013	43.668	0.021
43.686	0.017	43.715	-0.007	43.745	-0.027	43.775	-0.035
43.799	-0.047	43.819	-0.047	43.845	-0.035	43.874	-0.023
43.903	-0.011	43.923	0.005	43.953	-0.003	44.006	-0.018
44.083	-0.011	44.096	0.001	44.121	-0.007	44.139	0.001
44.159	0.001	44.176	-0.003	44.186	0.001	44.202	0.005
44.214	0.009	44.226	0.001	44.236	-0.003	44.248	-0.006
44.265	-0.006	44.289	-0.006	44.320	0.003	44.343	0.015
44.370	0.024	44.394	0.028	44.411	0.037	44.425	0.037
44.444	0.037	44.463	0.041	44.478	0.053	44.497	0.049
44.512	0.041	44.524	0.037	44.536	0.037	44.551	0.029
44.561	0.029	44.579	0.033	44.597	0.029	44.615	0.041
44.642	0.045	44.668	0.049	44.696	0.041	44.725	0.036
44.741	0.036	44.765	0.035	44.785	0.027	44.801	0.015
44.820	0.010	44.840	0.014	44.853	0.014	44.867	0.022
44.877	0.034	44.891	0.042	44.916	0.047	44.932	0.047
44.951	0.040	44.969	0.033	44.986	0.029	45.001	0.034
45.017	0.042	45.030	0.039	45.048	0.023	45.068	0.016
45.087	0.001	45.103	0.009	45.121	0.013	45.139	0.017
45.160	0.012	45.178	0.003	45.201	-0.006	45.223	-0.018
45.238	-0.019	45.257	-0.019	45.275	-0.032	45.288	-0.044
45.309	-0.057	45.330	-0.054	45.339	-0.046	45.355	-0.030
45.371	-0.021	45.386	-0.029	45.407	-0.031	45.428	-0.030
45.444	-0.029	45.460	-0.024	45.480	-0.027	45.508	-0.014
45.524	-0.005	45.537	-0.004	45.556	-0.003	45.579	-0.014
45.590	-0.001	45.611	-0.008	45.631	-0.003	45.659	0.003
45.677	-0.006	45.701	0.004	45.721	-0.006	45.739	-0.003

45.762	0.011	45.790	0.021	45.815	0.015	45.834	0.026
45.860	0.042	45.884	0.035	45.891	0.027	45.909	0.019
45.924	0.012	45.949	0.025	45.973	0.041	45.988	0.054
46.013	0.066	46.036	0.067	46.054	0.060	46.070	0.052
46.074	0.044	46.089	0.045	46.105	0.041	46.125	0.041
46.148	0.041	46.159	0.037	46.181	0.025	46.199	0.021
46.222	0.017	46.231	0.021	46.255	0.025	46.264	0.029
46.286	0.025	46.308	0.017	46.325	0.013	46.360	0.005
46.376	0.005	46.398	-0.003	46.417	-0.027	46.441	-0.003
46.474	0.001	46.507	-0.003	46.551	-0.003	46.586	-0.007
46.612	-0.007	46.646	-0.011	46.677	-0.015	46.692	-0.015
46.710	-0.019	46.731	-0.003	46.752	0.001	46.803	0.001
46.838	0.001	46.869	0.001	46.896	0.005	46.926	-0.003
46.949	-0.011	46.971	-0.015	46.993	-0.021	47.015	-0.026
47.036	-0.031	47.058	-0.044	47.082	-0.037	47.097	-0.026
47.112	-0.014	47.131	-0.007	47.153	-0.000	47.183	0.006
47.213	0.013	47.251	0.019	47.280	0.014	47.325	0.016
47.368	0.019	47.408	0.009	47.422	0.012	47.458	0.023
47.485	0.026	47.509	0.025	47.529	0.033	47.547	0.044
47.570	0.048	47.602	0.055	47.630	0.046	47.652	0.054
47.668	0.033	47.705	0.024	47.747	0.019	47.784	0.018
47.820	0.025	47.847	0.038	47.865	0.046	47.888	0.046
47.910	0.039	47.933	0.043	47.961	0.039	47.988	0.028
48.009	0.004	48.041	-0.008	48.079	-0.007	48.098	0.001
48.122	0.009	48.149	0.007	48.168	-0.002	48.188	-0.020
48.215	-0.014	48.249	-0.028	48.268	0.003	48.298	-0.015
48.320	-0.005	48.362	-0.008	48.393	0.006	48.423	0.003
48.438	0.007	48.462	0.009	48.489	0.010	48.519	0.008
48.545	-0.003	48.564	-0.022	48.574	-0.026	48.593	-0.005
48.612	0.000	48.646	0.006	48.684	0.012	48.716	0.029
48.754	0.013	48.780	0.028	48.795	0.032	48.818	0.035
48.854	0.043	48.893	0.042	48.928	0.029	48.954	0.033
48.969	0.029	49.011	0.017	49.038	0.021	49.081	0.029
49.127	0.033	49.180	0.029	49.231	0.033	49.288	0.025
49.339	0.017	49.373	0.009	49.414	0.001	49.453	0.001
49.489	0.005	49.525	0.005	49.565	0.017	49.610	0.025
49.639	0.033	49.665	0.029	49.686	0.013	49.710	0.001
49.739	-0.007	49.759	0.001	49.786	0.005	49.798	0.013
49.826	-0.007	49.852	-0.010	49.884	0.006	49.924	0.019
49.944	0.015	49.965	0.007	49.986	0.004	50.001	-0.008
50.014	-0.016	50.041	-0.028	50.074	-0.027	50.096	-0.015
50.119	-0.023	50.148	-0.027	50.187	-0.025	50.237	-0.027
50.275	-0.025	50.325	-0.031	50.362	-0.033	50.397	-0.034
50.428	-0.040	50.457	-0.029	50.483	-0.002	50.505	0.002
50.536	0.003	50.570	-0.004	50.595	-0.004	50.623	0.013
50.647	0.030	50.669	0.034	50.702	0.039	50.745	0.052
50.789	0.065	50.824	0.080	50.866	0.079	50.923	0.065
50.948	0.060	50.971	0.052	50.999	0.047	51.029	0.034
51.053	0.014	51.078	0.005	51.146	-0.009	51.181	-0.014
51.204	-0.022	51.228	-0.026	51.260	-0.033	51.295	-0.015
51.334	-0.010	51.362	-0.009	51.392	-0.008	51.430	0.017
51.458	0.025	51.487	0.029	51.511	0.025	51.545	0.040
51.573	0.048	51.607	0.051	51.638	0.043	51.671	0.042
51.695	0.038	51.717	0.025	51.760	0.015	51.794	0.012
51.823	0.009	51.843	0.014	51.867	0.015	51.899	0.000
51.913	-0.007	51.939	-0.003	51.963	0.005	52.002	0.005

52.039	0.001	52.077	0.005	52.129	0.005	52.187	0.013
52.233	0.025	52.262	0.017	52.280	0.017	52.317	0.028
52.351	0.027	52.381	0.034	52.420	0.033	52.460	0.028
52.491	0.031	52.543	0.038	52.569	0.029	52.591	0.028
52.620	0.028	52.652	0.031	52.689	0.014	52.715	0.017
52.751	0.024	52.799	0.002	52.819	-0.003	52.844	-0.006
52.884	-0.006	52.908	-0.001	52.927	-0.005	52.956	-0.000
52.988	0.000	53.016	0.005	53.043	0.009	53.084	0.005
53.123	0.005	53.156	0.001	53.189	-0.003	53.217	0.001
53.268	0.001	53.293	0.001	53.324	-0.004	53.343	-0.017
53.366	-0.002	53.390	0.005	53.418	0.004	53.454	0.014
53.490	0.021	53.524	0.015	53.561	0.006	53.587	0.001
53.616	-0.008	53.648	-0.008	53.672	0.003	53.716	0.010
53.741	0.034	53.769	0.033	53.796	0.029	53.830	0.020
53.865	0.024	53.878	0.019	53.910	0.015	53.943	0.014
53.973	0.009	53.999	0.008	54.025	-0.001	54.047	-0.006
54.071	-0.019	54.094	-0.028	54.135	-0.018	54.161	-0.003
54.191	0.001	54.235	-0.000	54.273	0.003	54.305	-0.010
54.326	-0.018	54.360	0.009	54.375	0.004	54.392	0.016
54.409	0.016	54.435	0.015	54.471	0.010	54.492	0.009
54.512	0.011	54.525	0.000	54.543	0.002	54.564	0.008
54.591	0.010	54.627	0.017	54.659	0.028	54.681	0.036
54.703	0.034	54.726	0.031	54.747	0.021	54.766	0.019
54.789	0.012	54.807	0.006	54.818	0.005	54.836	0.001
54.849	0.001	54.858	0.001	54.869	0.005	54.876	0.001
54.885	-0.003	54.901	-0.003	54.914	0.001	54.924	0.001
54.933	0.000	54.946	0.000	54.959	-0.008	54.979	-0.008
55.000	-0.009	55.017	-0.005	55.032	-0.010	55.045	-0.010
55.065	-0.010	55.079	-0.010	55.098	-0.019	55.117	-0.023
55.135	-0.015	55.155	-0.012	55.171	-0.004	55.189	0.003
55.206	-0.001	55.223	-0.009	55.239	-0.010	55.248	-0.014
55.266	-0.022	55.281	-0.022	55.294	-0.019	55.308	-0.019
55.318	-0.020	55.334	-0.021	55.366	-0.018	55.383	-0.007
55.400	-0.000	55.418	0.003	55.439	0.002	55.453	0.001
55.468	-0.004	55.481	-0.005	55.493	-0.005	55.512	-0.002
55.530	-0.003	55.545	-0.003	55.563	-0.007	55.575	-0.015
55.591	-0.019	55.606	-0.007	55.626	-0.007	55.641	0.009
55.658	0.009	55.674	0.009	55.695	0.001	55.718	-0.003
55.747	-0.003	55.763	-0.003	55.781	-0.011	55.801	-0.011
55.818	-0.019	55.838	-0.019	55.856	-0.019	55.876	-0.027
55.899	-0.027	55.923	-0.035	55.946	-0.034	55.967	-0.026
55.992	-0.029	56.016	-0.025	56.040	-0.020	56.065	-0.016
56.082	-0.027	56.102	-0.023	56.120	-0.018	56.141	-0.014
56.155	-0.013	56.171	-0.013	56.188	-0.020	56.210	-0.019
56.230	-0.015	56.252	-0.016	56.278	-0.017	56.300	-0.019
56.315	-0.007	56.338	-0.011	56.363	-0.000	56.387	0.007
56.408	-0.001	56.425	-0.001	56.451	0.002	56.478	0.005
56.499	0.008	56.524	0.007	56.543	0.010	56.573	0.008
56.594	0.007	56.613	0.006	56.638	0.008	56.657	0.007
56.676	0.006	56.698	0.009	56.719	0.004	56.738	-0.005
56.770	-0.017	56.791	-0.019	56.809	-0.038	56.824	-0.036
56.843	-0.034	56.860	-0.032	56.877	-0.039	56.895	-0.037
56.914	-0.035	56.939	-0.033	56.967	-0.031	56.990	-0.027
57.013	-0.024	57.033	-0.024	57.055	-0.021	57.076	-0.013
57.098	-0.002	57.120	-0.002	57.149	0.001	57.168	0.005
57.190	0.005	57.210	0.005	57.236	-0.003	57.257	-0.003

57.274	-0.007	57.294	-0.003	57.312	-0.003	57.335	0.001
57.362	-0.003	57.384	-0.003	57.395	-0.011	57.409	-0.019
57.429	-0.010	57.450	-0.001	57.470	0.024	57.485	0.037
57.496	0.041	57.510	0.034	57.523	0.027	57.533	0.023
57.551	0.040	57.566	0.037	57.582	0.029	57.602	0.017
57.627	0.005	57.648	-0.011	57.666	-0.011	57.686	-0.011
57.704	-0.015	57.726	-0.003	57.746	0.013	57.760	0.020
57.781	0.015	57.803	0.015	57.825	0.010	57.844	0.009
57.859	0.001	57.872	-0.003	57.892	0.001	57.915	0.001
57.935	0.001	57.960	0.025	57.982	0.033	58.007	0.033
58.025	0.025	58.037	0.021	58.064	0.029	58.081	0.033
58.102	0.033	58.121	0.033	58.136	0.037	58.152	0.029
58.170	0.025	58.191	0.017	58.207	0.017	58.230	0.017
58.252	0.033	58.266	0.033	58.287	0.024	58.303	0.008
58.328	-0.001	58.346	-0.002	58.356	0.006	58.376	0.006
58.391	-0.007	58.410	-0.027	58.428	-0.019	58.446	0.005
58.465	0.017	58.481	0.017	58.508	0.005	58.529	-0.007
58.550	-0.027	58.573	-0.027	58.601	-0.015	58.621	-0.011
58.638	-0.007	58.654	-0.011	58.674	-0.019	58.696	-0.042
58.710	-0.041	58.730	-0.048	58.742	-0.056	58.757	-0.047
58.778	-0.042	58.789	-0.038	58.806	-0.037	58.824	-0.036
58.846	-0.035	58.868	-0.027	58.884	-0.023	58.902	-0.011
58.919	-0.011	58.935	-0.007	58.947	0.001	58.966	-0.003
58.980	-0.003	58.998	0.009	59.015	0.017	59.041	0.013
59.059	0.009	59.082	-0.003	59.098	-0.011	59.119	-0.011
59.138	-0.011	59.160	-0.011	59.183	-0.011	59.206	-0.003
59.226	-0.003	59.242	0.005	59.258	-0.003	59.281	-0.003
59.305	-0.003	59.330	-0.007	59.353	-0.011	59.372	-0.011
59.396	-0.011	59.421	-0.003	59.442	-0.003	59.462	-0.003
59.489	-0.003	59.512	0.001	59.529	0.009	59.551	0.017
59.581	0.025	59.600	0.033	59.618	0.037	59.636	0.033
59.651	0.029	59.667	0.029	59.690	0.025	59.709	0.021
59.725	0.021	59.743	0.017	59.760	0.013	59.780	0.013
59.804	0.012	59.825	0.010	59.844	0.005	59.863	-0.009
59.883	-0.026	59.906	-0.020	59.931	-0.006	59.947	0.008
59.968	0.006	59.987	-0.003	60.005	-0.011	60.028	-0.011
60.046	-0.003	60.065	0.001	60.087	0.005	60.105	0.005
60.126	0.005	60.148	0.002	60.169	-0.009	60.196	-0.015
60.218	-0.013	60.247	-0.011	60.269	-0.009	60.300	0.001
60.324	0.009	60.348	0.012	60.366	0.012	60.378	0.019
60.391	0.023	60.409	0.014	60.429	0.002	60.446	-0.007
60.470	-0.001	60.492	0.010	60.509	0.013	60.529	-0.000
60.546	-0.002	60.566	-0.011	60.586	-0.012	60.610	0.002
60.633	0.009	60.656	0.007	60.684	0.013	60.709	0.019
60.729	0.017	60.750	0.008	60.774	0.002	60.793	-0.003
60.819	-0.003	60.839	-0.003	60.863	-0.003	60.887	-0.003
60.911	0.005	60.929	0.021	60.953	0.021	60.977	0.013
60.992	0.005	61.010	0.005	61.035	0.013	61.059	0.013
61.083	0.013	61.113	0.013	61.137	0.018	61.166	0.019
61.187	0.015	61.213	0.008	61.239	-0.004	61.271	-0.011
61.293	-0.019	61.317	-0.015	61.339	-0.007	61.367	0.001
61.387	0.001	61.410	0.005	61.432	0.009	61.454	0.013
61.473	0.013	61.491	0.008	61.515	-0.001	61.541	-0.001
61.563	-0.002	61.573	-0.002	61.596	-0.003	61.608	-0.003
61.628	-0.008	61.637	-0.012	61.654	-0.012	61.678	-0.017
61.693	-0.021	61.709	-0.022	61.724	-0.022	61.736	-0.022

61.750	-0.023	61.769	-0.023	61.787	-0.023	61.802	-0.023
61.815	-0.027	61.828	-0.039	61.841	-0.039	61.859	-0.039
61.874	-0.039	61.895	-0.051	61.909	-0.051	61.925	-0.051
61.944	-0.047	61.958	-0.039	61.975	-0.039	61.992	-0.039
62.016	-0.027	62.033	-0.015	62.049	0.001	62.066	0.005
62.082	0.001	62.099	-0.007	62.120	-0.019	62.140	-0.020
62.164	-0.020	62.183	-0.021	62.196	-0.021	62.208	-0.022
62.223	-0.026	62.240	-0.026	62.258	-0.027	62.273	-0.027
62.293	-0.023	62.309	-0.019	62.329	-0.019	62.348	-0.019
62.363	-0.019	62.382	-0.019	62.405	-0.019	62.427	-0.019
62.449	-0.011	62.467	-0.003	62.485	-0.007	62.506	-0.015
62.525	-0.019	62.546	-0.019	62.567	-0.027	62.593	-0.027
62.614	-0.024	62.640	-0.017	62.661	-0.010	62.682	-0.006
62.714	-0.004	62.736	-0.004	62.759	-0.001	62.780	-0.002
62.802	-0.002	62.837	0.002	62.863	0.013	62.883	0.023
62.896	0.029	62.914	0.027	62.931	0.021	62.955	0.020
62.974	0.025	62.998	0.025	63.014	0.025	63.035	0.013
63.048	0.017	63.065	0.025	63.095	0.025	63.116	0.029
63.138	0.032	63.157	0.032	63.173	0.031	63.186	0.031
63.204	0.022	63.222	0.022	63.241	0.021	63.259	0.021
63.277	0.021	63.303	0.017	63.322	0.017	63.334	0.013
63.355	0.013	63.374	0.009	63.394	0.005	63.414	0.005
63.435	0.005	63.456	0.001	63.477	0.001	63.491	-0.003
63.507	-0.003	63.528	-0.007	63.552	-0.007	63.574	-0.007
63.589	-0.007	63.610	-0.006	63.632	-0.013	63.654	-0.017
63.673	-0.016	63.697	-0.015	63.715	-0.015	63.742	-0.011
63.765	-0.011	63.786	-0.003	63.812	0.005	63.830	-0.007
63.846	-0.007	63.865	-0.007	63.890	-0.015	63.906	-0.015
63.927	-0.015	63.950	-0.015	63.968	-0.011	63.988	-0.007
64.009	-0.007	64.030	-0.011	64.051	-0.015	64.066	-0.015
64.077	-0.007	64.088	0.001	64.102	0.001	64.118	-0.003
64.137	-0.007	64.156	-0.003	64.177	0.005	64.197	0.001
64.211	0.001	64.229	0.001	64.242	0.001	64.261	0.001
64.282	-0.007	64.299	-0.015	64.318	-0.023	64.334	-0.023
64.349	-0.027	64.361	-0.031	64.384	-0.031	64.403	-0.031
64.426	-0.031	64.449	-0.031	64.466	-0.031	64.479	-0.031
64.492	-0.036	64.512	-0.037	64.527	-0.038	64.548	-0.039
64.563	-0.035	64.581	-0.035	64.595	-0.027	64.617	-0.015
64.639	-0.015	64.658	-0.015	64.680	-0.011	64.698	-0.011
64.718	-0.007	64.743	-0.007	64.760	-0.007	64.787	-0.007
64.814	-0.003	64.830	-0.017	64.854	-0.014	64.872	0.002
64.888	0.010	64.905	0.009	64.925	0.009	64.939	0.009
64.958	-0.003	64.979	-0.011	65.002	-0.011	65.026	-0.007
65.046	0.001	65.067	0.005	65.095	0.017	65.115	0.017
65.135	0.017	65.149	0.017	65.171	0.017	65.187	0.017
65.208	0.017	65.235	0.013	65.253	0.013	65.274	0.013
65.292	0.013	65.314	0.013	65.335	0.013	65.360	0.013
65.377	0.013	65.405	0.013	65.420	0.009	65.437	0.001
65.450	0.009	65.464	0.009	65.484	0.005	65.507	0.005
65.528	-0.003	65.546	-0.003	65.562	0.005	65.579	0.001
65.604	0.005	65.628	0.013	65.651	0.013	65.675	0.017
65.693	0.017	65.710	0.013	65.724	0.005	65.737	0.013
65.752	0.017	65.773	0.013	65.797	0.009	65.817	0.009
65.837	0.005	65.861	0.005	65.875	0.013	65.899	0.013
65.913	-0.002	65.934	-0.011	65.956	-0.011	65.976	-0.011
65.993	-0.019	66.022	-0.029	66.045	-0.029	66.064	-0.027

66.081	-0.030	66.094	-0.034	66.111	-0.034	66.124	-0.038
66.140	-0.033	66.157	-0.029	66.179	-0.029	66.196	-0.028
66.211	-0.028	66.227	-0.032	66.246	-0.032	66.259	-0.035
66.271	-0.027	66.285	-0.027	66.297	-0.023	66.307	-0.015
66.324	-0.023	66.339	-0.027	66.356	-0.024	66.371	-0.028
66.386	-0.028	66.402	-0.029	66.420	-0.025	66.438	-0.026
66.452	-0.022	66.471	-0.018	66.488	-0.023	66.505	-0.019
66.520	-0.023	66.532	-0.027	66.546	-0.027	66.559	-0.027
66.573	-0.031	66.586	-0.031	66.598	-0.023	66.608	-0.023
66.620	-0.023	66.632	-0.023	66.643	-0.015	66.659	-0.015
66.669	-0.011	66.683	-0.007	66.693	0.001	66.703	0.001
66.717	0.001	66.735	0.001	66.750	0.001	66.767	0.005
66.779	0.009	66.790	0.009	66.802	0.009	66.814	0.005
66.826	0.004	66.837	0.004	66.852	-0.000	66.867	-0.001
66.878	-0.001	66.893	-0.001	66.903	-0.006	66.913	-0.006
66.926	-0.002	66.937	-0.002	66.951	-0.002	66.964	-0.002
66.973	-0.002	66.983	-0.005	66.994	-0.005	67.003	-0.005
67.012	-0.000	67.027	0.000	67.045	0.005	67.059	0.005
67.070	0.009	67.081	0.009	67.095	0.005	67.106	0.009
67.129	0.008	67.143	0.008	67.156	0.012	67.167	0.011
67.180	0.015	67.195	0.015	67.208	0.014	67.220	0.014
67.232	0.010	67.244	0.010	67.255	0.009	67.266	0.008
67.277	0.010	67.288	0.004	67.298	0.007	67.307	0.006
67.314	0.005	67.326	0.003	67.335	-0.002	67.344	-0.002
67.354	-0.010	67.365	-0.010	67.375	-0.005	67.383	-0.005
67.393	-0.005	67.405	-0.012	67.418	-0.016	67.432	-0.019
67.442	-0.019	67.456	-0.019	67.469	-0.023	67.484	-0.019
67.496	-0.019	67.510	-0.015	67.521	-0.023	67.533	-0.027
67.545	-0.027	67.561	-0.031	67.578	-0.035	67.592	-0.031
67.609	-0.031	67.625	-0.032	67.643	-0.028	67.658	-0.028
67.673	-0.029	67.689	-0.029	67.702	-0.029	67.719	-0.030
67.731	-0.026	67.745	-0.022	67.758	-0.019	67.771	-0.018
67.789	-0.017	67.802	-0.016	67.813	-0.023	67.825	-0.026
67.837	-0.029	67.852	-0.028	67.868	-0.027	67.881	-0.031
67.895	-0.034	67.907	-0.037	67.917	-0.036	67.932	-0.035
67.947	-0.035	67.961	-0.043	67.975	-0.047	67.985	-0.043
67.998	-0.039	68.013	-0.031	68.023	-0.031	68.037	-0.027
68.052	-0.023	68.067	-0.023	68.080	-0.019	68.092	-0.015
68.107	-0.007	68.118	-0.003	68.131	0.000	68.144	0.000
68.153	0.004	68.169	0.003	68.183	0.003	68.198	0.007
68.220	0.010	68.241	0.013	68.256	0.014	68.271	0.014
68.284	0.011	68.299	0.011	68.312	0.007	68.324	0.004
68.340	0.012	68.356	0.020	68.369	0.021	68.382	0.021
68.394	0.013	68.409	0.009	68.425	0.009	68.442	0.004
68.457	0.004	68.472	0.003	68.486	0.003	68.505	0.003
68.519	0.006	68.534	0.010	68.550	0.009	68.563	0.009
68.579	0.009	68.594	0.008	68.613	0.012	68.631	0.016
68.647	0.015	68.665	0.023	68.681	0.022	68.696	0.022
68.711	0.018	68.727	0.013	68.737	0.006	68.750	0.006
68.766	-0.002	68.778	-0.006	68.794	-0.009	68.810	-0.013
68.827	-0.009	68.843	-0.008	68.859	-0.012	68.876	-0.019
68.895	-0.023	68.908	-0.019	68.924	-0.015	68.939	-0.011
68.949	-0.015	68.965	-0.023	68.977	-0.023	68.989	-0.023
69.006	-0.019	69.016	-0.023	69.034	-0.023	69.050	-0.023
69.068	-0.023	69.080	-0.019	69.096	-0.011	69.111	-0.015
69.130	-0.019	69.149	-0.014	69.168	-0.022	69.182	-0.022

69.199	-0.014	69.213	-0.013	69.231	-0.013	69.241	-0.021
69.259	-0.033	69.273	-0.036	69.284	-0.028	69.300	-0.024
69.316	-0.020	69.331	-0.019	69.343	-0.019	69.353	-0.027
69.366	-0.035	69.379	-0.035	69.395	-0.035	69.411	-0.031
69.425	-0.028	69.440	-0.024	69.455	-0.028	69.470	-0.029
69.485	-0.033	69.503	-0.037	69.513	-0.037	69.524	-0.034
69.538	-0.034	69.559	-0.030	69.576	-0.031	69.592	-0.035
69.607	-0.031	69.622	-0.031	69.638	-0.031	69.657	-0.031
69.675	-0.023	69.694	-0.023	69.716	-0.023	69.730	-0.023
69.750	-0.023	69.771	-0.015	69.789	-0.015	69.808	-0.015
69.824	-0.015	69.847	-0.019	69.868	-0.023	69.884	-0.019
69.897	-0.023	69.917	-0.027	69.942	-0.027	69.961	-0.027
69.976	-0.027	70.000	-0.031	70.012	-0.023	70.028	-0.023
70.043	-0.023	70.060	-0.020	70.076	-0.020	70.093	-0.016
70.108	-0.016	70.125	-0.017	70.145	-0.013	70.162	-0.005
70.183	-0.002	70.206	0.002	70.223	0.006	70.237	0.005
70.252	-0.002	70.270	-0.010	70.286	-0.010	70.304	-0.006
70.320	-0.001	70.341	-0.001	70.362	0.003	70.379	0.008
70.396	0.012	70.413	0.012	70.428	0.008	70.449	0.009
70.469	0.009	70.491	0.009	70.513	0.009	70.534	0.009
70.551	0.008	70.569	0.012	70.586	0.008	70.604	0.008
70.621	-0.001	70.640	-0.005	70.656	-0.009	70.673	-0.010
70.691	-0.006	70.709	-0.002	70.730	-0.003	70.743	-0.003
70.758	0.005	70.777	0.009	70.795	0.009	70.811	0.013
70.828	0.009	70.847	0.009	70.865	0.005	70.883	0.001
70.897	-0.003	70.913	-0.007	70.929	-0.011	70.945	-0.019
70.959	-0.027	70.975	-0.027	70.992	-0.031	71.010	-0.031
71.029	-0.031	71.051	-0.039	71.067	-0.035	71.084	-0.027
71.099	-0.027	71.117	-0.027	71.137	-0.035	71.152	-0.035
71.170	-0.027	71.186	-0.027	71.201	-0.031	71.222	-0.035
71.236	-0.044	71.252	-0.044	71.268	-0.041	71.284	-0.037
71.303	-0.038	71.328	-0.038	71.345	-0.035	71.363	-0.031
71.377	-0.023	71.396	-0.023	71.411	-0.019	71.427	-0.015
71.445	-0.015	71.468	-0.015	71.497	-0.015	71.520	-0.015
71.538	-0.015	71.558	-0.020	71.578	-0.016	71.594	-0.013
71.609	-0.006	71.625	-0.002	71.646	-0.002	71.667	-0.005
71.692	-0.003	71.707	-0.003	71.726	-0.011	71.747	-0.014
71.769	-0.017	71.790	-0.013	71.805	-0.010	71.826	-0.015
71.840	-0.009	71.856	-0.006	71.869	-0.003	71.887	0.001
71.904	-0.007	71.923	-0.011	71.942	-0.015	71.958	-0.016
71.975	-0.025	71.994	-0.027	72.009	-0.023	72.033	-0.015
72.047	-0.011	72.064	-0.016	72.081	-0.017	72.098	-0.018
72.121	-0.023	72.151	-0.023	72.168	-0.023	72.186	-0.022
72.213	-0.028	72.230	-0.019	72.250	-0.011	72.279	-0.022
72.301	-0.029	72.319	-0.027	72.331	-0.019	72.341	-0.011
72.359	-0.011	72.378	-0.011	72.393	-0.007	72.407	-0.007
72.428	-0.007	72.440	-0.011	72.466	-0.019	72.486	-0.023
72.505	-0.027	72.525	-0.027	72.539	-0.027	72.558	-0.019
72.577	-0.011	72.593	-0.007	72.612	-0.007	72.630	0.001
72.644	0.009	72.659	0.009	72.678	0.009	72.696	0.009
72.710	0.005	72.727	-0.007	72.742	-0.007	72.756	0.001
72.773	0.005	72.787	0.009	72.806	0.005	72.820	0.005
72.834	0.009	72.850	0.017	72.866	0.013	72.887	0.013
72.906	0.009	72.923	0.005	72.936	0.005	72.954	-0.003
72.970	-0.003	72.987	0.001	73.005	-0.007	73.019	-0.011
73.036	-0.023	73.060	-0.019	73.073	-0.023	73.091	-0.016

73.104	-0.005	73.120	-0.001	73.134	-0.010	73.152	-0.015
73.170	-0.016	73.180	-0.016	73.197	-0.009	73.212	-0.009
73.230	-0.014	73.249	-0.015	73.267	-0.011	73.286	-0.015
73.306	-0.019	73.323	-0.015	73.338	-0.011	73.358	-0.003
73.374	-0.011	73.393	-0.011	73.414	-0.015	73.431	-0.011
73.450	-0.011	73.467	-0.011	73.482	-0.011	73.498	-0.007
73.511	-0.007	73.534	-0.011	73.552	-0.007	73.568	-0.003
73.583	0.001	73.598	-0.002	73.615	-0.009	73.630	-0.008
73.645	-0.007	73.663	-0.005	73.681	-0.008	73.695	-0.015
73.708	-0.018	73.720	-0.014	73.736	-0.009	73.757	-0.007
73.771	-0.007	73.787	-0.003	73.806	-0.007	73.821	-0.011
73.843	-0.011	73.866	-0.011	73.882	-0.011	73.901	-0.007
73.918	-0.007	73.931	-0.007	73.948	-0.015	73.963	-0.015
73.978	-0.011	73.991	-0.011	74.006	-0.011	74.022	-0.007
74.037	-0.011	74.058	-0.011	74.079	-0.011	74.098	-0.011
74.118	-0.007	74.139	-0.007	74.161	-0.008	74.183	-0.008
74.209	-0.009	74.233	-0.014	74.252	-0.014	74.269	-0.018
74.294	-0.023	74.310	-0.031	74.329	-0.039	74.349	-0.039
74.370	-0.031	74.387	-0.023	74.404	-0.031	74.418	-0.035
74.438	-0.031	74.457	-0.015	74.481	0.004	74.499	0.023
74.514	0.030	74.527	0.034	74.544	0.025	74.560	0.012
74.576	-0.001	74.592	-0.001	74.604	0.006	74.623	0.014
74.638	0.006	74.659	-0.010	74.676	-0.033	74.694	-0.057
74.709	-0.061	74.724	-0.044	74.737	-0.032	74.756	-0.008
74.770	0.005	74.780	0.005	74.794	-0.015	74.808	-0.038
74.819	-0.062	74.831	-0.077	74.844	-0.080	74.854	-0.076
74.866	-0.067	74.878	-0.055	74.904	-0.025	74.923	0.004
74.936	0.008	74.948	-0.003	74.963	-0.023	74.976	-0.039
74.994	-0.060	75.011	-0.077	75.020	-0.077	75.035	-0.062
75.060	-0.035	75.072	-0.020	75.087	-0.008	75.099	-0.013
75.118	-0.029	75.147	-0.062	75.165	-0.069	75.178	-0.061
75.199	-0.036	75.217	-0.007	75.231	0.002	75.247	-0.001
75.265	-0.008	75.284	-0.023	75.303	-0.039	75.321	-0.051
75.330	-0.048	75.353	-0.033	75.369	-0.022	75.385	0.006
75.395	0.013	75.408	0.001	75.424	-0.012	75.441	-0.017
75.454	-0.014	75.466	-0.002	75.479	-0.007	75.496	-0.006
75.510	0.006	75.525	0.026	75.540	0.026	75.555	0.019
75.574	-0.013	75.589	-0.025	75.601	-0.032	75.617	-0.024
75.631	-0.016	75.646	-0.012	75.661	-0.019	75.678	-0.035
75.690	-0.031	75.704	-0.023	75.721	-0.015	75.736	-0.023
75.750	-0.039	75.769	-0.043	75.787	-0.043	75.810	-0.027
75.827	-0.023	75.843	-0.027	75.860	-0.039	75.875	-0.043
75.890	-0.035	75.908	-0.031	75.926	-0.023	75.941	-0.015
75.954	-0.007	75.968	-0.023	75.986	-0.038	76.002	-0.038
76.020	-0.026	76.039	-0.049	76.050	-0.045	76.062	-0.037
76.078	-0.017	76.089	-0.013	76.104	-0.020	76.119	-0.028
76.133	-0.024	76.151	-0.023	76.167	-0.015	76.184	0.001
76.202	0.017	76.216	0.021	76.231	0.017	76.248	0.009
76.265	0.012	76.277	-0.004	76.292	-0.024	76.304	-0.036
76.316	-0.036	76.331	-0.025	76.344	-0.021	76.364	-0.017
76.379	-0.010	76.401	-0.010	76.419	-0.002	76.434	-0.002
76.451	-0.011	76.467	-0.023	76.482	-0.027	76.495	-0.031
76.531	-0.027	76.554	-0.027	76.578	-0.019	76.593	-0.011
76.606	-0.027	76.629	-0.051	76.643	-0.043	76.661	-0.035
76.691	-0.039	76.710	-0.039	76.725	-0.043	76.741	-0.031
76.764	0.013	76.778	0.033	76.791	0.013	76.815	-0.027

76.831	-0.039	76.847	-0.043	76.866	-0.027	76.897	0.001
76.926	0.021	76.945	-0.010	76.952	-0.030	76.964	-0.057
76.976	-0.069	76.992	-0.068	77.005	-0.059	77.023	-0.014
77.043	0.019	77.061	0.001	77.079	-0.014	77.105	0.003
77.121	-0.016	77.141	-0.019	77.166	0.001	77.186	0.025
77.214	0.049	77.244	0.009	77.270	0.001	77.284	-0.003
77.313	-0.003	77.339	0.033	77.363	0.045	77.383	0.033
77.409	-0.003	77.426	-0.007	77.454	-0.003	77.484	0.009
77.505	-0.007	77.532	-0.015	77.561	0.005	77.581	0.025
77.608	0.029	77.625	0.017	77.649	-0.003	77.677	0.017
77.699	0.025	77.718	0.025	77.739	0.021	77.763	-0.007
77.781	0.005	77.798	0.001	77.829	-0.019	77.858	-0.007
77.878	0.005	77.898	0.005	77.920	-0.003	77.943	-0.012
77.961	-0.020	77.980	-0.036	77.998	-0.060	78.016	-0.061
78.040	-0.041	78.060	-0.018	78.087	0.002	78.109	0.006
78.129	0.009	78.146	-0.003	78.167	-0.011	78.191	-0.011
78.210	0.009	78.226	0.021	78.248	0.001	78.272	-0.007
78.295	-0.007	78.314	-0.011	78.332	-0.007	78.350	0.001
78.371	0.001	78.397	0.009	78.419	0.017	78.447	0.017
78.476	0.009	78.494	0.005	78.513	0.001	78.537	0.009
78.557	0.005	78.575	-0.003	78.596	-0.019	78.615	-0.027
78.648	-0.007	78.681	0.004	78.703	0.004	78.729	-0.000
78.755	-0.001	78.783	-0.009	78.804	-0.030	78.828	-0.038
78.851	-0.034	78.870	-0.039	78.898	-0.023	78.930	-0.011
78.955	-0.007	78.982	0.001	79.015	0.001	79.041	-0.015
79.063	-0.023	79.089	-0.015	79.129	0.005	79.153	-0.015
79.175	-0.023	79.199	-0.011	79.234	0.013	79.257	0.025
79.288	0.021	79.324	0.017	79.351	0.001	79.378	0.001
79.403	0.005	79.426	0.005	79.439	-0.007	79.462	-0.023
79.496	-0.027	79.507	-0.027	79.529	-0.007	79.567	-0.007
79.595	0.013	79.627	0.005	79.652	0.001	79.686	-0.020
79.720	0.008	79.750	0.027	79.777	0.031	79.808	0.026
79.828	0.042	79.866	0.009	79.896	0.009	79.916	0.009
79.947	0.021	79.984	0.009	80.010	0.009	80.044	0.013
80.078	0.013	80.097	0.017	80.132	0.029	80.150	0.025
80.175	0.017	80.207	0.025	80.231	0.033	80.253	0.017
80.274	0.017	80.296	0.017	80.323	0.033	80.354	0.053
80.381	0.037	80.407	0.017	80.433	0.012	80.460	0.012
80.499	-0.013	80.523	-0.009	80.562	0.003	80.587	0.006
80.614	-0.006	80.649	-0.015	80.678	-0.015	80.702	-0.011
80.722	-0.011	80.740	-0.011	80.758	-0.011	80.773	-0.011
80.793	-0.011	80.813	-0.011	80.838	-0.007	80.865	0.005
80.893	0.005	80.915	0.005	80.945	-0.007	80.974	-0.007
81.001	-0.007	81.032	-0.007	81.062	-0.011	81.085	-0.011
81.118	-0.019	81.145	-0.023	81.169	-0.007	81.196	0.005
81.217	0.005	81.238	0.001	81.263	-0.003	81.293	-0.007
81.315	-0.007	81.331	-0.007	81.350	-0.003	81.373	0.001
81.400	0.005	81.425	0.005	81.442	0.005	81.463	0.005
81.483	0.001	81.509	-0.007	81.530	-0.007	81.548	-0.007
81.570	-0.007	81.599	0.005	81.629	0.013	81.652	0.021
81.675	0.021	81.693	0.021	81.718	0.021	81.730	0.021
81.746	0.021	81.770	0.017	81.784	0.017	81.804	0.017
81.819	0.017	81.843	0.017	81.866	0.021	81.895	0.025
81.928	0.017	81.950	0.017	81.968	0.013	81.998	0.005
82.029	0.017	82.051	0.037	82.079	0.049	82.104	0.045
82.126	0.041	82.148	0.033	82.175	0.017	82.200	0.001

82.222	0.001	82.240	0.001	82.260	0.001	82.277	0.001
82.302	0.009	82.326	0.013	82.349	0.021	82.377	0.013
82.399	0.009	82.421	0.009	82.449	0.005	82.470	0.009
82.491	0.005	82.515	-0.003	82.540	-0.003	82.562	-0.011
82.585	-0.011	82.604	-0.011	82.628	-0.007	82.656	-0.008
82.687	-0.008	82.716	-0.008	82.743	-0.009	82.765	-0.013
82.783	-0.013	82.819	-0.006	82.837	-0.006	82.871	0.002
82.908	0.005	82.935	0.004	82.963	0.003	82.990	0.002
83.007	-0.003	83.030	-0.003	83.048	-0.004	83.071	-0.009
83.090	-0.009	83.115	-0.006	83.138	0.001	83.161	-0.008
83.176	-0.008	83.191	-0.008	83.211	-0.009	83.238	-0.002
83.261	0.013	83.294	0.012	83.319	0.020	83.341	0.019
83.366	0.022	83.391	0.018	83.417	0.014	83.442	0.010
83.476	0.007	83.496	0.003	83.515	0.004	83.549	0.008
83.576	0.013	83.597	0.009	83.623	0.005	83.646	0.009
83.666	0.009	83.689	0.009	83.707	0.009	83.732	0.009
83.761	0.009	83.780	0.009	83.806	0.009	83.824	0.009
83.841	0.013	83.863	0.013	83.879	0.013	83.913	0.005
83.937	0.005	83.971	0.005	83.997	0.005	84.021	0.001
84.043	-0.003	84.065	-0.003	84.085	0.005	84.104	0.013
84.124	0.016	84.153	0.014	84.184	-0.008	84.212	-0.005
84.233	-0.011	84.258	-0.012	84.278	-0.018	84.300	-0.023
84.317	-0.028	84.340	-0.014	84.356	-0.015	84.374	-0.011
84.401	-0.027	84.421	-0.028	84.433	-0.028	84.455	-0.024
84.476	-0.025	84.495	-0.025	84.522	-0.013	84.541	-0.014
84.564	-0.010	84.582	-0.010	84.606	-0.011	84.628	-0.011
84.648	-0.011	84.669	-0.015	84.685	-0.015	84.707	-0.023
84.733	-0.015	84.751	-0.015	84.766	-0.015	84.784	-0.019
84.812	-0.019	84.833	-0.019	84.860	-0.011	84.885	-0.004
84.907	-0.004	84.927	-0.005	84.944	-0.013	84.955	-0.014
84.973	-0.014	84.995	-0.007	85.015	-0.003	85.030	0.004
85.054	0.015	85.072	0.015	85.091	0.010	85.111	0.006
85.131	0.005	85.153	0.005	85.176	0.013	85.199	0.013
85.217	0.013	85.240	0.009	85.259	0.009	85.282	0.009
85.298	0.009	85.319	0.025	85.344	0.025	85.359	0.025
85.372	0.025	85.390	0.025	85.407	0.025	85.429	0.021
85.451	0.021	85.475	0.013	85.498	0.005	85.523	0.001
85.543	0.001	85.568	-0.003	85.588	-0.007	85.608	-0.015
85.634	-0.015	85.670	-0.015	85.696	-0.015	85.709	-0.015
85.725	-0.015	85.747	-0.015	85.774	-0.019	85.798	-0.027
85.819	-0.035	85.849	-0.031	85.870	-0.031	85.887	-0.031
85.906	-0.031	85.936	-0.023	85.957	-0.023	85.981	-0.015
86.003	-0.011	86.025	-0.007	86.041	-0.007	86.058	-0.003
86.082	0.005	86.106	0.009	86.131	0.005	86.167	0.001
86.192	0.001	86.211	0.001	86.227	-0.003	86.257	-0.003
86.282	0.009	86.305	0.009	86.343	-0.011	86.370	-0.011
86.419	0.001	86.420	0.001	86.438	0.001	86.465	-0.003
86.484	-0.007	86.507	-0.015	86.525	-0.003	86.549	-0.003
86.567	-0.003	86.591	-0.007	86.607	-0.007	86.629	0.001
86.652	-0.003	86.681	-0.007	86.700	-0.007	86.739	0.005
86.760	0.005	86.782	-0.003	86.796	-0.007	86.814	0.001
86.839	0.009	86.864	0.009	86.893	0.017	86.915	0.021
86.944	0.009	86.960	0.009	86.991	0.021	87.013	0.033
87.045	0.009	87.066	0.005	87.085	0.005	87.103	0.005
87.118	0.005	87.142	0.005	87.160	-0.003	87.189	-0.003
87.216	0.005	87.247	-0.003	87.273	-0.003	87.287	0.001

87.291	0.009	87.292	0.009	87.314	0.013	87.340	0.009
87.364	-0.003	87.373	-0.003	87.394	-0.003	87.428	-0.011
87.452	-0.011	87.469	-0.011	87.501	-0.019	87.530	-0.007
87.559	0.001	87.584	-0.003	87.608	-0.003	87.633	-0.003
87.668	-0.004	87.691	-0.001	87.722	0.002	87.746	0.001
87.766	0.000	87.781	-0.000	87.799	-0.013	87.820	-0.013
87.842	-0.014	87.864	-0.010	87.886	-0.006	87.902	-0.006
87.913	-0.005	87.932	-0.005	87.964	-0.004	87.987	-0.003
88.019	0.001	88.033	-0.005	88.048	-0.004	88.061	-0.002
88.081	-0.000	88.102	0.002	88.118	0.003	88.146	0.006
88.164	0.008	88.178	0.014	88.205	0.024	88.227	0.026
88.242	0.028	88.257	0.021	88.273	0.023	88.298	0.017
88.317	0.017	88.336	0.017	88.361	0.017	88.375	0.021
88.397	0.025	88.415	0.025	88.437	0.025	88.454	0.017
88.475	0.017	88.488	0.017	88.518	0.025	88.545	0.029
88.570	0.025	88.598	0.025	88.628	0.025	88.648	0.025
88.661	0.025	88.683	0.013	88.709	0.017	88.734	0.021
88.758	0.021	88.783	0.021	88.813	0.021	88.843	0.021
88.868	0.021	88.888	0.029	88.910	0.025	88.930	0.025
88.952	0.025	88.971	0.025	88.989	0.021	89.009	0.017
89.031	0.017	89.046	0.017	89.067	0.017	89.092	0.017
89.116	0.017	89.144	0.021	89.166	0.017	89.195	0.009
89.214	0.009	89.232	0.009	89.254	0.021	89.276	0.025
89.299	0.029	89.318	0.029	89.338	0.025	89.362	0.017
89.378	0.013	89.395	0.013	89.414	0.013	89.431	0.017
89.453	0.017	89.474	0.013	89.500	0.005	89.520	0.005
89.542	0.005	89.568	0.006	89.593	0.006	89.640	0.007
89.674	0.008	89.709	0.008	89.736	0.013	89.764	0.017
89.798	0.025	89.820	0.025	89.858	0.040	89.888	0.040
89.910	0.039	89.936	0.039	89.959	0.038	89.983	0.038
90.006	0.038	90.036	0.037	90.066	0.028	90.089	0.027
90.112	0.034	90.149	0.041	90.181	0.040	90.215	0.039
90.248	0.046	90.274	0.045	90.298	0.037	90.334	0.037
90.367	0.037	90.391	0.029	90.418	0.021	90.441	0.021
90.461	0.021	90.492	0.025	90.516	0.025	90.534	0.025
90.558	0.025	90.590	0.021	90.611	0.013	90.633	0.009
90.662	0.009	90.686	0.021	90.709	0.017	90.728	0.017
90.747	0.017	90.772	0.017	90.798	0.025	90.818	0.025
90.836	0.024	90.860	0.024	90.879	0.016	90.902	0.007
90.928	-0.021	90.954	-0.033	90.978	-0.026	91.003	-0.002
91.036	0.014	91.061	0.015	91.077	0.015	91.097	0.016
91.115	0.016	91.139	0.005	91.167	0.002	91.190	0.003
91.210	0.004	91.225	0.004	91.244	-0.003	91.267	0.017
91.286	0.036	91.308	0.027	91.325	0.002	91.345	-0.007
91.353	-0.015	91.377	0.007	91.401	0.014	91.421	0.013
91.439	0.012	91.455	0.011	91.476	0.034	91.500	0.041
91.526	0.024	91.547	0.024	91.571	0.023	91.589	0.019
91.606	0.018	91.630	0.033	91.659	0.049	91.678	0.040
91.700	0.031	91.737	0.014	91.751	0.014	91.775	0.033
91.797	0.050	91.821	0.035	91.843	0.020	91.861	0.016
91.884	0.009	91.910	0.030	91.930	0.050	91.953	0.031
91.973	0.020	91.992	0.024	92.011	0.025	92.031	0.025
92.052	0.032	92.072	0.031	92.094	0.026	92.109	0.021
92.131	0.012	92.147	0.012	92.166	0.019	92.192	0.033
92.211	0.017	92.234	0.004	92.258	0.006	92.282	0.005
92.310	0.002	92.335	0.008	92.350	0.014	92.379	0.003

92.399	-0.007	92.423	-0.013	92.446	-0.016	92.469	-0.018
92.502	-0.005	92.532	0.011	92.558	0.001	92.580	-0.025
92.604	-0.035	92.632	-0.012	92.671	0.003	92.697	0.010
92.725	0.004	92.756	0.011	92.793	0.021	92.830	0.017
92.857	0.013	92.887	0.017	92.916	0.021	92.942	0.029
92.966	0.029	92.983	0.029	93.004	0.021	93.029	0.014
93.058	0.010	93.084	0.015	93.111	0.035	93.136	0.031
93.165	0.028	93.196	0.024	93.221	0.024	93.257	0.025
93.284	0.025	93.316	0.026	93.328	0.022	93.356	0.046
93.378	0.047	93.404	0.047	93.427	0.048	93.456	0.032
93.486	0.025	93.512	0.017	93.540	0.021	93.565	0.041
93.586	0.045	93.617	0.041	93.651	0.025	93.668	0.025
93.686	0.025	93.712	0.025	93.729	0.025	93.751	0.025
93.775	0.021	93.805	0.010	93.827	0.010	93.855	0.027
93.885	0.031	93.906	0.028	93.921	0.024	93.944	0.024
93.963	0.025	93.987	0.033	94.017	0.037	94.048	0.024
94.068	0.019	94.089	0.018	94.109	0.017	94.130	0.004
94.148	0.003	94.168	0.018	94.201	0.025	94.235	0.023
94.254	0.023	94.273	0.022	94.306	0.022	94.332	0.018
94.353	0.015	94.379	0.015	94.404	0.024	94.423	0.024
94.443	0.024	94.464	0.025	94.486	0.025	94.510	0.033
94.532	0.033	94.550	0.033	94.576	0.033	94.608	0.033
94.635	0.049	94.658	0.049	94.689	0.045	94.710	0.045
94.727	0.045	94.744	0.053	94.776	0.041	94.804	0.029
94.824	0.029	94.840	0.029	94.857	0.029	94.875	0.029
94.897	0.029	94.918	0.029	94.951	0.029	94.964	0.029
94.989	0.029	95.023	0.041	95.045	0.033	95.065	0.033
95.081	0.032	95.115	0.032	95.143	0.031	95.167	0.015
95.179	0.019	95.206	0.018	95.223	0.018	95.239	0.022
95.263	0.021	95.291	0.021	95.321	0.024	95.339	0.031
95.373	0.030	95.394	0.021	95.417	0.009	95.444	0.004
95.467	-0.001	95.482	-0.001	95.507	0.010	95.525	0.013
95.558	0.013	95.593	0.005	95.612	0.001	95.629	0.001
95.650	0.005	95.682	0.001	95.710	0.001	95.729	0.001
95.746	0.001	95.765	0.001	95.784	0.001	95.815	0.009
95.845	0.016	95.863	0.016	95.895	0.015	95.921	0.011
95.947	0.014	95.972	0.014	95.992	0.010	96.011	0.009
96.034	0.009	96.068	0.009	96.097	0.021	96.122	0.033
96.142	0.029	96.166	0.029	96.192	0.029	96.212	0.025
96.232	0.025	96.251	0.025	96.266	0.037	96.281	0.032
96.303	0.031	96.327	0.034	96.345	0.033	96.365	0.032
96.384	0.035	96.408	0.026	96.430	0.025	96.450	0.024
96.466	0.027	96.488	0.026	96.505	0.025	96.525	0.025
96.546	0.020	96.572	0.019	96.597	0.023	96.618	0.010
96.637	0.009	96.662	0.009	96.684	0.008	96.707	0.015
96.744	0.018	96.770	0.014	96.797	0.009	96.824	0.005
96.850	0.005	96.875	0.005	96.900	0.013	96.927	0.013
96.944	0.013	96.960	0.013	96.985	0.013	97.005	0.013
97.031	0.013	97.050	0.013	97.067	0.013	97.086	0.009
97.104	-0.003	97.123	0.001	97.141	0.009	97.163	0.009
97.188	0.009	97.204	0.009	97.215	0.009	97.228	0.009
97.242	0.009	97.267	0.013	97.282	0.013	97.303	0.013
97.326	0.017	97.345	0.021	97.366	0.025	97.392	0.029
97.414	0.029	97.436	0.025	97.448	0.025	97.464	0.025
97.490	0.021	97.508	0.021	97.528	0.029	97.568	0.032
97.586	0.036	97.614	0.031	97.640	0.034	97.663	0.033

97.691	0.024	97.711	0.016	97.734	0.015	97.753	0.014
97.769	0.018	97.789	0.017	97.806	0.017	97.819	0.013
97.839	0.013	97.859	0.013	97.878	0.017	97.894	0.017
97.914	0.013	97.935	0.013	97.957	0.009	97.993	0.025
98.023	0.025	98.041	0.025	98.060	0.021	98.089	0.025
98.108	0.021	98.124	0.021	98.147	0.021	98.167	0.021
98.186	0.021	98.210	0.021	98.228	0.021	98.248	0.025
98.266	0.029	98.285	0.029	98.298	0.029	98.316	0.029
98.336	0.029	98.353	0.025	98.382	0.033	98.405	0.029
98.426	0.029	98.459	0.017	98.483	0.017	98.516	0.017
98.540	0.015	98.556	0.013	98.594	0.011	98.613	0.010
98.637	0.009	98.653	0.011	98.684	0.009	98.711	0.007
98.735	0.006	98.757	0.005	98.777	0.004	98.797	-0.000
98.823	-0.001	98.841	-0.002	98.858	-0.002	98.875	-0.003
98.895	0.009	98.924	0.012	98.947	0.019	98.971	0.019
98.989	0.022	99.010	0.021	99.032	0.025	99.054	0.021
99.075	0.020	99.096	0.020	99.110	0.008	99.126	0.008
99.148	0.007	99.171	0.007	99.188	0.007	99.207	0.006
99.231	0.006	99.250	0.002	99.278	0.013		

IG108
71.022 2/9/71 0600 PST C.I.T. MILLIKAN LIBRARY,BASEMENT DOWN

5520 POINTS 99.320 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1014 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.229	0.019	-0.212	0.048	-0.148	0.064	-0.099	2.066	-0.312	2.086	-0.054	2.095	-0.000	2.103	-0.043
0.086	0.020	0.110	0.137	0.117	0.098	0.129	-0.056	2.115	-0.174	2.120	-0.180	2.146	0.065	2.155	0.113
0.135	-0.100	0.143	-0.079	0.154	-0.006	0.159	0.025	2.172	0.116	2.179	0.140	2.199	0.265	2.207	0.279
0.165	0.021	0.176	-0.035	0.186	-0.070	0.198	-0.090	2.224	0.220	2.233	0.221	2.249	0.288	2.255	0.269
0.210	-0.105	0.221	-0.106	0.227	-0.098	0.233	-0.069	2.271	0.044	2.287	-0.228	2.293	-0.240	2.314	0.072
0.243	0.013	0.250	0.051	0.257	0.025	0.267	-0.077	2.320	0.134	2.327	0.105	2.345	-0.126	2.354	-0.174
0.276	-0.116	0.283	-0.092	0.294	-0.007	0.300	0.042	2.366	-0.119	2.380	0.019	2.388	0.062	2.396	0.013
0.306	0.043	0.326	-0.098	0.334	-0.119	0.339	-0.056	2.413	-0.213	2.423	-0.313	2.436	-0.263	2.457	0.089
0.357	0.296	0.364	0.366	0.369	0.339	0.388	0.119	2.466	0.190	2.475	0.146	2.489	-0.001	2.498	-0.045
0.394	0.066	0.406	0.030	0.418	0.046	0.432	0.094	2.507	-0.003	2.522	0.125	2.530	0.155	2.542	0.081
0.438	0.072	0.454	-0.145	0.461	-0.238	0.472	-0.294	2.562	-0.159	2.566	-0.185	2.570	-0.152	2.588	0.109
0.482	-0.256	0.494	-0.157	0.506	-0.068	0.517	-0.014	2.595	0.156	2.602	0.109	2.618	-0.097	2.626	-0.152
0.533	0.033	0.540	0.065	0.556	0.167	0.566	0.217	2.632	-0.112	2.660	0.247	2.667	0.282	2.671	0.245
0.579	0.218	0.594	0.172	0.609	0.122	0.640	-0.002	2.684	0.091	2.691	0.063	2.708	0.147	2.715	0.160
0.650	-0.051	0.664	-0.091	0.685	-0.124	0.707	-0.221	2.723	0.116	2.741	-0.034	2.746	-0.034	2.766	0.137
0.714	-0.221	0.732	-0.083	0.745	0.023	0.757	0.065	2.772	0.160	2.778	0.121	2.792	-0.012	2.802	-0.048
0.765	0.024	0.775	-0.083	0.783	-0.125	0.793	-0.093	2.821	-0.056	2.840	-0.128	2.852	-0.170	2.865	-0.164
0.807	-0.024	0.819	-0.010	0.839	-0.070	0.846	-0.081	2.884	-0.135	2.904	-0.116	2.913	-0.091	2.926	-0.043
0.855	-0.046	0.866	0.023	0.883	0.116	0.898	0.193	2.936	-0.036	2.953	-0.100	2.969	-0.183	2.979	-0.205
0.908	0.167	0.927	-0.034	0.934	-0.086	0.940	-0.077	2.991	-0.157	3.006	-0.029	3.012	-0.003	3.021	-0.029
0.956	-0.004	0.966	0.014	0.973	-0.007	0.989	-0.084	3.040	-0.117	3.048	-0.135	3.055	-0.098	3.087	0.233
0.996	-0.095	1.009	-0.089	1.022	-0.090	1.030	-0.069	3.093	0.253	3.100	0.169	3.116	-0.121	3.123	-0.192
1.045	0.027	1.062	0.121	1.072	0.120	1.093	-0.004	3.130	-0.154	3.150	0.145	3.158	0.190	3.166	0.125
1.100	-0.032	1.109	0.006	1.124	0.134	1.131	0.137	3.182	-0.107	3.190	-0.168	3.199	-0.130	3.216	0.022
1.150	0.014	1.173	-0.081	1.191	-0.125	1.210	-0.168	3.221	0.042	3.227	0.026	3.244	-0.040	3.260	-0.033
1.242	-0.111	1.264	0.023	1.277	0.065	1.285	0.033	3.280	0.061	3.290	0.095	3.304	0.110	3.312	0.178
1.298	-0.055	1.308	-0.087	1.316	-0.050	1.332	0.132	3.334	0.508	3.340	0.555	3.346	0.503	3.365	0.206
1.338	0.165	1.344	0.124	1.357	-0.023	1.363	-0.065	3.373	0.139	3.382	0.163	3.397	0.275	3.405	0.284
1.373	-0.042	1.392	0.075	1.404	0.105	1.423	0.060	3.414	0.155	3.431	-0.246	3.439	-0.402	3.443	-0.388
1.442	0.000	1.468	-0.059	1.476	-0.012	1.493	0.185	3.465	0.049	3.471	0.109	3.480	0.032	3.503	-0.415
1.498	0.176	1.519	-0.125	1.527	-0.141	1.551	0.128	3.509	-0.473	3.516	-0.417	3.535	-0.118	3.541	-0.073
1.560	0.153	1.587	-0.069	1.599	-0.197	1.608	-0.219	3.556	-0.061	3.571	-0.056	3.585	-0.061	3.596	-0.070
1.622	-0.146	1.628	-0.137	1.644	-0.171	1.651	-0.139	3.608	-0.073	3.621	-0.034	3.644	0.111	3.648	0.110
1.679	0.166	1.695	0.279	1.703	0.254	1.714	0.171	3.672	-0.054	3.679	-0.076	3.703	-0.029	3.710	0.006
1.730	0.072	1.744	-0.058	1.754	-0.173	1.763	-0.205	3.722	0.078	3.728	0.060	3.751	-0.183	3.758	-0.223
1.779	-0.160	1.787	-0.147	1.796	-0.162	1.815	-0.213	3.763	-0.173	3.785	0.243	3.788	0.276	3.792	0.232
1.826	-0.226	1.836	-0.206	1.857	-0.118	1.867	-0.088	3.807	-0.160	3.812	-0.181	3.837	0.261	3.847	0.355
1.884	-0.025	1.905	0.130	1.914	0.154	1.936	0.067	3.856	0.271	3.875	-0.126	3.883	-0.220	3.889	-0.171
1.957	-0.026	1.975	-0.128	1.981	-0.126	2.004	0.076	3.905	0.132	3.912	0.198	3.920	0.133	3.938	-0.136
2.013	0.087	2.036	-0.135	2.051	-0.307	2.060	-0.356	3.946	-0.158	3.956	-0.015	3.968	0.198	3.978	0.283

3.986	0.240	4.003	0.012	4.012	-0.080	4.023	-0.134
4.028	-0.113	4.043	0.067	4.052	0.035	4.075	-0.455
4.083	-0.481	4.111	-0.008	4.117	0.053	4.137	-0.008
4.143	-0.073	4.153	-0.222	4.163	-0.276	4.186	-0.299
4.204	-0.395	4.210	-0.408	4.219	-0.300	4.239	0.029
4.258	0.293	4.287	0.740	4.293	0.777	4.302	0.623
4.320	0.151	4.331	-0.006	4.345	0.021	4.364	0.149
4.371	0.108	4.390	-0.261	4.397	-0.295	4.414	-0.094
4.421	-0.051	4.435	-0.094	4.453	-0.134	4.468	-0.137
4.478	-0.065	4.504	0.285	4.512	0.347	4.521	0.300
4.536	0.151	4.544	0.166	4.567	0.532	4.571	0.563
4.578	0.478	4.589	0.234	4.604	-0.061	4.610	-0.136
4.623	-0.215	4.635	-0.294	4.650	-0.421	4.658	-0.497
4.664	-0.511	4.672	-0.441	4.693	-0.154	4.700	-0.082
4.714	0.004	4.725	0.058	4.734	0.068	4.747	0.038
4.754	0.042	4.767	0.081	4.777	0.085	4.790	0.029
4.813	-0.127	4.832	-0.223	4.839	-0.302	4.856	-0.634
4.863	-0.719	4.871	-0.704	4.889	-0.513	4.922	-0.137
4.943	0.098	4.962	0.262	4.980	0.363	4.992	0.412
5.001	0.418	5.013	0.395	5.020	0.417	5.037	0.550
5.046	0.563	5.056	0.449	5.066	0.269	5.080	0.134
5.098	0.179	5.107	0.196	5.114	0.143	5.129	-0.023
5.150	-0.191	5.157	-0.183	5.173	-0.043	5.179	-0.017
5.194	-0.034	5.203	-0.005	5.225	0.178	5.232	0.207
5.240	0.133	5.255	-0.156	5.265	-0.360	5.272	-0.433
5.277	-0.383	5.298	0.127	5.307	0.295	5.315	0.349
5.327	0.300	5.333	0.239	5.346	0.073	5.353	0.028
5.361	0.052	5.377	0.157	5.385	0.144	5.410	-0.139
5.435	-0.411	5.445	-0.465	5.453	-0.439	5.457	-0.402
5.478	-0.270	5.501	-0.342	5.508	-0.293	5.529	0.157
5.538	0.236	5.557	0.160	5.564	0.183	5.590	0.533
5.600	0.594	5.605	0.513	5.626	-0.112	5.633	-0.273
5.639	-0.297	5.646	-0.222	5.674	0.249	5.683	0.319
5.689	0.292	5.719	0.082	5.730	-0.003	5.747	-0.174
5.766	-0.349	5.775	-0.373	5.786	-0.322	5.802	-0.135
5.818	0.114	5.827	0.180	5.834	0.114	5.848	-0.198
5.858	-0.489	5.867	-0.695	5.874	-0.784	5.882	-0.713
5.906	-0.096	5.919	0.315	5.927	0.512	5.933	0.555
5.939	0.496	5.949	0.268	5.961	-0.029	5.970	-0.157
5.977	-0.098	5.991	0.206	5.997	0.262	6.003	0.180
6.020	-0.341	6.028	-0.524	6.034	-0.573	6.039	-0.506
6.053	-0.037	6.065	0.333	6.074	0.507	6.081	0.459
6.097	0.057	6.104	-0.118	6.111	-0.181	6.117	-0.150
6.139	0.080	6.145	0.102	6.151	0.040	6.170	-0.275
6.180	-0.348	6.188	-0.295	6.210	0.011	6.217	0.061
6.224	-0.018	6.242	-0.423	6.248	-0.495	6.252	-0.439
6.273	0.167	6.281	0.278	6.300	0.261	6.311	0.226
6.321	0.155	6.340	0.060	6.349	-0.150	6.372	0.074
6.392	-0.062	6.398	-0.018	6.420	0.573	6.425	0.645
6.433	0.549	6.447	0.330	6.465	0.274	6.495	0.202
6.502	0.130	6.523	-0.366	6.533	-0.470	6.539	-0.434
6.558	-0.078	6.565	-0.082	6.587	-0.442	6.594	-0.518
6.599	-0.530	6.605	-0.470	6.630	0.002	6.638	0.054
6.658	-0.006	6.671	0.066	6.688	0.234	6.701	0.401
6.707	0.417	6.720	0.290	6.737	-0.066	6.744	-0.130
6.750	-0.082	6.774	0.609	6.780	0.705	6.788	0.617

6.807	0.098	6.814	0.030	6.828	0.010	6.850	-0.334
6.871	-0.641	6.885	-0.709	6.894	-0.689	6.927	-0.342
6.936	-0.318	6.958	-0.318	6.972	-0.366	6.979	-0.446
6.994	-0.637	7.013	-0.282	7.019	-0.230	7.028	-0.278
7.047	-0.733	7.054	-0.797	7.060	-0.709	7.080	-0.022
7.086	0.198	7.093	0.282	7.110	0.234	7.116	0.270
7.134	0.621	7.155	0.929	7.166	0.981	7.181	0.857
7.199	0.453	7.212	0.098	7.219	0.002	7.236	-0.050
7.247	-0.110	7.263	-0.274	7.272	-0.306	7.279	-0.286
7.298	-0.154	7.316	-0.086	7.324	-0.086	7.342	-0.186
7.357	-0.258	7.364	-0.362	7.385	-0.805	7.393	-0.889
7.400	-0.881	7.416	-0.621	7.423	-0.566	7.437	-0.601
7.451	-0.462	7.464	-0.062	7.475	0.369	7.483	0.681
7.492	0.797	7.507	0.697	7.514	0.713	7.532	1.041
7.536	1.081	7.542	1.049	7.563	0.601	7.571	0.509
7.576	0.549	7.597	0.857	7.609	0.941	7.617	0.897
7.628	0.793	7.646	0.294	7.655	0.118	7.665	0.018
7.670	0.022	7.684	0.126	7.694	0.130	7.701	0.090
7.719	-0.086	7.727	-0.094	7.731	-0.070	7.747	0.138
7.754	0.158	7.759	0.114	7.775	-0.038	7.781	-0.142
7.791	-0.358	7.801	-0.665	7.807	-0.805	7.817	-0.885
7.824	-0.853	7.838	-0.549	7.854	-0.501	7.863	-0.421
7.885	-0.001	7.893	0.051	7.900	-0.021	7.920	-0.421
7.935	-0.500	7.948	-0.364	7.962	0.087	7.974	0.507
7.988	0.779	8.002	0.915	8.012	0.951	8.023	0.855
8.033	0.556	8.045	0.044	8.052	-0.207	8.058	-0.367
8.066	-0.403	8.073	-0.351	8.090	0.029	8.097	0.077
8.113	-0.027	8.128	-0.090	8.141	-0.290	8.158	-0.590
8.168	-0.713	8.179	-0.749	8.190	-0.685	8.206	-0.274
8.220	0.166	8.229	0.337	8.238	0.397	8.247	0.326
8.267	0.010	8.275	-0.042	8.286	0.010	8.303	0.222
8.312	0.282	8.328	0.206	8.337	0.194	8.356	0.453
8.363	0.505	8.373	0.441	8.394	0.026	8.401	-0.034
8.421	0.106	8.440	0.198	8.453	0.326	8.459	0.345
8.485	0.278	8.496	0.230	8.524	0.014	8.534	-0.098
8.563	-0.178	8.584	-0.082	8.594	-0.066	8.601	-0.114
8.618	-0.310	8.626	-0.341	8.631	-0.313	8.643	-0.205
8.669	0.198	8.677	0.219	8.688	0.183	8.703	0.239
8.722	0.267	8.740	0.007	8.751	-0.156	8.758	-0.180
8.770	-0.088	8.794	0.392	8.801	0.452	8.829	0.168
8.855	-0.331	8.868	-0.451	8.886	-0.678	8.895	-0.742
8.908	-0.678	8.919	-0.574	8.937	-0.106	8.944	-0.030
8.959	-0.070	8.971	0.030	8.989	0.341	8.999	0.405
9.007	0.353	9.026	0.197	9.048	0.077	9.071	-0.191
9.077	-0.207	9.086	-0.151	9.105	0.132	9.118	0.200
9.132	0.216	9.151	0.343	9.178	0.103	9.196	-0.197
9.207	-0.269	9.221	-0.325	9.236	-0.397	9.248	-0.393
9.268	-0.205	9.276	-0.174	9.283	-0.210	9.299	-0.418
9.309	-0.490	9.318	-0.454	9.334	-0.178	9.342	-0.110
9.352	-0.082	9.373	-0.117	9.398	-0.129	9.409	-0.129
9.422	-0.025	9.430	0.011	9.446	-0.136	9.456	-0.268
9.469	-0.300	9.483	-0.256	9.497	-0.160	9.514	-0.299
9.521	-0.315	9.540	-0.127	9.547	-0.103	9.566	-0.263
9.576	-0.271	9.592	-0.079	9.611	0.017	9.628	0.245
9.638	0.277	9.653	0.293	9.666	0.409	9.672	0.421
9.686	0.377	9.702	0.345	9.711	0.278	9.731	-0.018

9.739	-0.070	9.753	-0.078	9.764	-0.090	9.778	-0.054
9.797	-0.078	9.809	-0.102	9.825	-0.298	9.833	-0.286
9.854	-0.082	9.879	0.106	9.899	0.421	9.910	0.485
9.944	0.206	9.957	0.154	9.968	0.178	9.986	0.094
9.996	0.114	10.014	0.058	10.026	0.094	10.037	0.006
10.054	-0.136	10.060	-0.222	10.075	-0.166	10.090	-0.038
10.110	0.094	10.125	0.258	10.138	0.302	10.146	0.250
10.171	-0.158	10.183	-0.234	10.196	-0.202	10.208	-0.234
10.222	-0.346	10.234	-0.366	10.244	-0.286	10.268	0.162
10.276	0.210	10.284	0.142	10.303	-0.274	10.319	-0.573
10.331	-0.645	10.348	-0.585	10.363	-0.418	10.379	-0.146
10.391	-0.082	10.408	-0.042	10.422	0.003	10.432	-0.073
10.450	-0.392	10.465	-0.431	10.485	-0.219	10.507	-0.066
10.517	-0.058	10.533	-0.125	10.552	-0.105	10.570	-0.120
10.590	-0.095	10.606	-0.187	10.616	-0.138	10.634	0.210
10.646	0.366	10.653	0.394	10.675	0.335	10.692	0.240
10.707	0.220	10.728	0.025	10.745	-0.042	10.755	0.010
10.771	0.125	10.779	0.101	10.796	0.005	10.807	0.005
10.826	0.160	10.834	0.156	10.851	0.044	10.863	0.029
10.883	0.131	10.901	0.183	10.925	0.131	10.950	0.162
10.982	0.393	10.990	0.409	11.020	0.316	11.042	0.023
11.061	-0.137	11.074	-0.281	11.089	-0.422	11.095	-0.402
11.108	-0.299	11.119	-0.192	11.130	-0.185	11.142	-0.221
11.150	-0.210	11.170	-0.131	11.184	-0.076	11.191	-0.084
11.213	-0.178	11.231	-0.278	11.237	-0.305	11.244	-0.301
11.261	-0.217	11.268	-0.209	11.284	-0.245	11.298	-0.257
11.316	-0.276	11.328	-0.268	11.356	0.004	11.389	0.232
11.398	0.260	11.405	0.225	11.421	0.101	11.434	0.053
11.449	0.038	11.465	0.070	11.480	0.030	11.491	0.085
11.511	0.289	11.520	0.309	11.537	0.268	11.543	0.280
11.562	0.400	11.568	0.412	11.589	0.267	11.605	0.199
11.612	0.191	11.628	0.279	11.637	0.302	11.648	0.262
11.671	0.018	11.679	-0.022	11.700	-0.054	11.713	-0.022
11.732	0.138	11.746	0.198	11.752	0.198	11.798	0.090
11.807	0.046	11.826	-0.182	11.835	-0.238	11.844	-0.238
11.859	-0.166	11.867	-0.150	11.884	-0.146	11.896	-0.134
11.905	-0.174	11.921	-0.334	11.929	-0.346	11.937	-0.286
11.958	-0.066	11.967	-0.026	11.974	-0.058	11.992	-0.182
12.001	-0.198	12.004	-0.167	12.015	-0.111	12.033	-0.039
12.046	0.021	12.059	0.088	12.066	0.088	12.082	0.032
12.096	-0.040	12.108	-0.076	12.131	-0.105	12.144	-0.153
12.151	-0.157	12.169	-0.070	12.184	0.030	12.192	0.042
12.208	0.014	12.219	0.018	12.234	-0.033	12.243	-0.009
12.258	0.151	12.277	0.384	12.286	0.416	12.291	0.388
12.317	0.233	12.332	0.142	12.343	0.142	12.359	0.159
12.367	0.131	12.384	0.011	12.392	-0.020	12.401	0.008
12.423	0.148	12.438	0.217	12.447	0.229	12.454	0.205
12.477	0.086	12.486	0.050	12.493	0.078	12.514	0.194
12.534	0.214	12.545	0.210	12.560	0.114	12.579	-0.110
12.588	-0.186	12.617	-0.238	12.633	-0.246	12.652	-0.218
12.665	-0.162	12.678	-0.046	12.687	-0.030	12.692	-0.050
12.705	-0.122	12.715	-0.202	12.723	-0.226	12.727	-0.206
12.742	-0.114	12.760	-0.087	12.766	-0.119	12.796	-0.247
12.808	-0.271	12.818	-0.220	12.839	-0.012	12.848	-0.012
12.868	-0.229	12.879	-0.277	12.889	-0.261	12.913	-0.082
12.922	-0.046	12.929	-0.066	12.949	-0.242	12.955	-0.274

12.965	-0.218	12.984	0.065	12.994	0.093	12.998	0.085
13.034	-0.120	13.048	-0.120	13.075	0.063	13.081	0.051
13.103	-0.129	13.111	-0.158	13.146	0.006	13.161	0.030
13.169	-0.018	13.192	-0.194	13.200	-0.206	13.222	-0.102
13.232	-0.086	13.251	-0.114	13.258	-0.086	13.278	0.014
13.297	0.074	13.323	0.182	13.332	0.170	13.350	-0.014
13.359	-0.046	13.377	0.078	13.384	0.086	13.415	-0.150
13.429	-0.210	13.453	-0.198	13.461	-0.162	13.479	-0.038
13.486	-0.018	13.508	-0.178	13.516	-0.182	13.543	0.094
13.550	0.122	13.560	0.086	13.591	-0.194	13.600	-0.182
13.627	0.062	13.634	0.086	13.643	0.046	13.662	-0.082
13.667	-0.106	13.683	-0.066	13.716	-0.074	13.732	-0.002
13.748	0.026	13.757	-0.002	13.777	-0.070	13.797	-0.023
13.821	-0.059	13.837	-0.028	13.853	0.024	13.868	0.116
13.880	0.147	13.892	0.099	13.909	-0.037	13.919	-0.037
13.942	0.150	13.951	0.170	13.972	0.030	13.982	0.030
14.001	0.150	14.005	0.146	14.026	0.091	14.031	0.083
14.044	0.119	14.054	0.107	14.073	0.007	14.082	-0.017
14.089	0.004	14.102	0.056	14.110	0.060	14.128	-0.016
14.137	-0.024	14.156	-0.012	14.165	-0.019	14.187	-0.055
14.196	-0.047	14.228	0.133	14.239	0.165	14.244	0.157
14.268	0.034	14.281	-0.046	14.305	0.007	14.326	-0.056
14.335	-0.032	14.357	0.089	14.367	0.125	14.390	0.106
14.408	0.111	14.436	-0.072	14.464	-0.247	14.477	-0.302
14.491	-0.298	14.519	-0.058	14.533	0.022	14.551	0.010
14.574	0.014	14.582	-0.018	14.605	-0.166	14.629	-0.238
14.644	-0.318	14.653	-0.326	14.663	-0.282	14.688	0.026
14.698	0.070	14.704	0.054	14.720	-0.018	14.728	-0.026
14.755	0.090	14.774	0.146	14.781	0.134	14.799	-0.014
14.816	-0.158	14.824	-0.178	14.835	-0.138	14.853	0.002
14.865	0.034	14.883	0.034	14.899	0.058	14.923	0.046
14.943	0.030	14.954	-0.002	14.969	-0.050	14.981	-0.066
14.993	-0.050	15.008	-0.006	15.026	0.054	15.037	0.074
15.044	0.054	15.061	0.010	15.071	-0.006	15.091	-0.014
15.100	-0.030	15.117	-0.082	15.127	-0.110	15.133	-0.098
15.152	0.034	15.160	0.062	15.166	0.050	15.183	-0.022
15.192	-0.038	15.205	-0.018	15.224	0.098	15.233	0.122
15.239	0.106	15.262	-0.090	15.274	-0.150	15.282	-0.130
15.309	-0.030	15.317	-0.006	15.340	-0.022	15.348	-0.002
15.364	0.066	15.372	0.090	15.391	0.062	15.409	0.078
15.436	0.086	15.443	0.070	15.464	-0.058	15.474	-0.082
15.492	-0.050	15.513	-0.082	15.523	-0.070	15.546	0.030
15.559	0.046	15.578	0.006	15.585	0.034	15.604	0.142
15.613	0.174	15.623	0.150	15.646	0.046	15.654	0.030
15.665	0.046	15.680	0.110	15.687	0.110	15.696	0.082
15.712	0.042	15.721	0.038	15.727	0.053	15.741	0.097
15.747	0.097	15.773	-0.051	15.787	-0.091	15.809	-0.091
15.821	-0.127	15.837	-0.163	15.864	-0.172	15.874	-0.148
15.891	-0.096	15.904	-0.076	15.913	-0.092	15.934	-0.120
15.951	-0.117	15.969	-0.129	15.978	-0.109	16.002	0.091
16.012	0.126	16.034	0.070	16.060	0.126	16.070	0.110
16.093	0.034	16.107	0.034	16.126	0.045	16.156	-0.039
16.177	-0.031	16.191	-0.060	16.222	-0.172	16.238	-0.200
16.258	-0.176	16.293	-0.077	16.305	-0.065	16.325	-0.129
16.341	-0.130	16.351	-0.106	16.369	-0.026	16.391	-0.030
16.414	-0.019	16.442	-0.099	16.452	-0.107	16.489	-0.012

16.505	0.004	16.528	-0.013	16.547	0.031	16.555	0.019
16.577	-0.077	16.584	-0.085	16.608	0.094	16.617	0.126
16.642	0.101	16.653	0.085	16.676	0.137	16.692	0.200
16.703	0.204	16.715	0.168	16.745	-0.001	16.755	-0.041
16.764	-0.041	16.780	0.014	16.793	0.022	16.800	-0.002
16.816	-0.055	16.822	-0.051	16.848	0.060	16.861	0.108
16.872	0.123	16.880	0.091	16.900	0.019	16.923	0.026
16.946	-0.022	16.957	-0.014	16.983	0.042	17.008	0.014
17.034	-0.158	17.046	-0.218	17.055	-0.222	17.079	-0.006
17.089	0.026	17.095	-0.014	17.118	-0.118	17.126	-0.127
17.154	-0.043	17.165	-0.032	17.172	-0.056	17.189	-0.132
17.202	-0.172	17.211	-0.157	17.231	-0.041	17.244	-0.010
17.249	-0.030	17.278	-0.098	17.288	-0.118	17.294	-0.090
17.315	0.014	17.327	0.034	17.334	0.014	17.349	-0.026
17.358	-0.038	17.382	0.042	17.392	0.030	17.415	-0.062
17.425	-0.070	17.462	0.078	17.478	0.102	17.503	0.054
17.532	-0.022	17.550	-0.018	17.564	0.030	17.582	0.098
17.601	0.046	17.637	-0.117	17.649	-0.136	17.670	-0.115
17.698	-0.186	17.705	-0.161	17.726	-0.052	17.738	-0.032
17.769	-0.082	17.790	-0.110	17.803	-0.086	17.828	0.026
17.840	0.038	17.873	0.018	17.889	-0.002	17.908	-0.046
17.920	-0.078	17.935	-0.058	17.956	0.030	17.969	0.066
17.980	0.054	18.003	0.006	18.033	-0.022	18.061	-0.006
18.070	-0.030	18.091	-0.090	18.115	0.026	18.125	0.026
18.147	-0.002	18.171	0.054	18.193	0.114	18.205	0.142
18.217	0.118	18.248	0.002	18.255	-0.010	18.278	0.039
18.292	0.063	18.302	0.067	18.315	0.048	18.331	-0.008
18.359	-0.067	18.371	-0.079	18.391	-0.046	18.414	0.014
18.427	0.046	18.439	0.038	18.449	-0.014	18.472	-0.154
18.481	-0.178	18.503	-0.086	18.529	-0.038	18.555	0.030
18.565	0.038	18.570	0.014	18.593	-0.070	18.639	-0.078
18.661	-0.070	18.693	0.098	18.703	0.118	18.714	0.102
18.751	0.033	18.762	0.024	18.790	0.053	18.813	0.019
18.842	0.066	18.870	-0.005	18.892	-0.001	18.924	-0.088
18.946	-0.107	18.967	-0.071	18.978	-0.062	19.011	-0.146
19.023	-0.150	19.044	-0.158	19.067	-0.214	19.084	-0.226
19.093	-0.226	19.112	-0.170	19.134	-0.154	19.144	-0.134
19.174	0.082	19.185	0.110	19.215	0.118	19.223	0.074
19.246	-0.061	19.262	-0.097	19.292	-0.009	19.304	0.008
19.315	-0.000	19.338	-0.032	19.348	-0.028	19.376	0.061
19.392	0.097	19.413	0.125	19.428	0.210	19.439	0.201
19.456	0.089	19.465	0.057	19.486	0.113	19.496	0.104
19.516	0.052	19.537	0.028	19.549	0.019	19.571	0.031
19.583	0.043	19.591	0.023	19.609	-0.070	19.623	-0.098
19.631	-0.074	19.661	0.029	19.675	0.037	19.695	0.036
19.705	0.004	19.732	-0.069	19.747	-0.101	19.769	-0.117
19.791	-0.102	19.824	-0.086	19.842	-0.062	19.871	-0.070
19.882	-0.086	19.896	-0.106	19.905	-0.110	19.914	-0.078
19.934	0.050	19.949	0.102	19.969	0.122	19.980	0.098
19.997	-0.002	20.010	-0.066	20.016	-0.074	20.042	-0.002
20.059	0.042	20.089	0.054	20.101	0.082	20.119	0.058
20.143	0.018	20.152	0.006	20.177	0.066	20.190	0.106
20.200	0.122	20.208	0.106	20.232	0.059	20.251	0.007
20.275	-0.036	20.297	-0.060	20.309	-0.039	20.333	0.077
20.345	0.109	20.354	0.093	20.386	0.042	20.401	0.023
20.426	0.031	20.453	0.024	20.481	0.032	20.498	0.017

20.524	-0.015	20.562	-0.029	20.589	-0.020	20.614	-0.027
20.623	-0.039	20.644	-0.078	20.655	-0.073	20.681	-0.012
20.694	0.021	20.710	0.009	20.716	-0.010	20.734	-0.078
20.750	-0.138	20.765	-0.138	20.792	-0.094	20.825	-0.058
20.846	-0.066	20.868	-0.034	20.885	-0.030	20.901	-0.046
20.918	-0.082	20.930	-0.090	20.942	-0.074	20.962	-0.022
20.978	-0.002	20.996	-0.010	21.012	-0.026	21.026	-0.018
21.048	0.042	21.064	0.102	21.073	0.106	21.086	0.086
21.102	0.062	21.120	0.070	21.131	0.050	21.150	0.026
21.161	0.034	21.178	0.078	21.194	0.106	21.210	0.094
21.238	0.150	21.246	0.150	21.269	0.050	21.285	0.018
21.289	0.034	21.307	0.082	21.319	0.090	21.336	0.078
21.358	0.110	21.369	0.098	21.406	-0.078	21.418	-0.126
21.436	-0.106	21.452	-0.082	21.493	-0.130	21.507	-0.142
21.532	-0.054	21.543	-0.042	21.570	-0.094	21.594	-0.038
21.606	-0.054	21.636	-0.118	21.667	-0.170	21.682	-0.158
21.702	-0.118	21.723	-0.094	21.744	-0.054	21.776	-0.026
21.810	-0.042	21.831	-0.021	21.847	0.031	21.869	0.056
21.893	0.053	21.908	0.053	21.930	0.006	21.947	-0.007
21.971	-0.028	21.986	-0.036	22.023	0.070	22.031	0.062
22.038	0.078	22.056	0.014	22.068	-0.002	22.089	0.010
22.116	0.018	22.134	0.046	22.152	0.042	22.167	0.030
22.186	0.014	22.203	-0.026	22.218	-0.062	22.231	-0.078
22.244	-0.070	22.263	-0.042	22.281	-0.018	22.299	-0.030
22.310	-0.046	22.327	-0.082	22.337	-0.066	22.358	-0.010
22.371	0.006	22.401	-0.014	22.418	-0.034	22.432	-0.050
22.458	0.054	22.469	0.062	22.479	0.042	22.501	-0.026
22.510	-0.034	22.522	-0.002	22.544	0.054	22.555	0.062
22.584	0.002	22.594	0.002	22.619	0.049	22.626	0.037
22.651	0.000	22.663	0.000	22.686	0.008	22.698	-0.004
22.719	-0.037	22.735	-0.049	22.759	-0.061	22.771	-0.066
22.785	-0.050	22.812	0.039	22.832	0.052	22.855	0.002
22.872	-0.010	22.918	-0.022	22.927	-0.046	22.945	-0.098
22.956	-0.098	22.987	-0.054	22.996	-0.042	23.017	-0.110
23.030	-0.090	23.054	0.006	23.067	0.022	23.084	0.010
23.102	-0.030	23.115	-0.026	23.137	0.022	23.152	0.042
23.166	0.014	23.185	-0.034	23.203	-0.014	23.223	0.022
23.234	0.014	23.261	-0.030	23.280	-0.038	23.307	-0.014
23.322	-0.042	23.341	-0.078	23.351	-0.058	23.372	-0.018
23.409	0.013	23.431	-0.016	23.446	-0.009	23.471	0.030
23.480	0.022	23.503	-0.069	23.515	-0.097	23.525	-0.069
23.552	0.048	23.563	0.072	23.575	0.081	23.594	0.037
23.618	-0.050	23.642	-0.081	23.663	-0.100	23.692	-0.032
23.709	0.005	23.752	-0.006	23.775	0.010	23.799	0.070
23.813	0.082	23.824	0.054	23.849	-0.014	23.873	-0.034
23.900	-0.035	23.911	-0.011	23.927	0.025	23.941	0.024
23.967	-0.016	24.002	-0.117	24.014	-0.133	24.021	-0.126
24.044	-0.054	24.059	-0.030	24.071	-0.037	24.095	-0.061
24.105	-0.065	24.126	-0.044	24.145	-0.044	24.176	0.021
24.190	0.049	24.203	0.061	24.231	-0.002	24.242	-0.006
24.268	0.037	24.281	0.037	24.315	0.000	24.330	-0.008
24.354	0.028	24.385	0.027	24.401	0.055	24.415	0.054
24.456	0.034	24.471	0.023	24.480	0.031	24.501	0.052
24.509	0.040	24.532	-0.011	24.541	-0.023	24.563	-0.022
24.572	-0.034	24.586	-0.046	24.595	-0.043	24.620	-0.015
24.634	0.008	24.644	-0.000	24.663	-0.053	24.673	-0.069

24.682	-0.057	24.706	-0.014	24.722	0.010	24.735	0.006
24.750	-0.026	24.768	-0.062	24.786	-0.070	24.801	-0.090
24.817	-0.122	24.830	-0.110	24.844	-0.066	24.861	-0.006
24.873	0.022	24.886	0.030	24.905	0.017	24.917	0.012
24.942	0.039	24.963	0.066	24.977	0.071	24.993	0.064
25.014	0.017	25.040	-0.029	25.048	-0.020	25.066	0.021
25.078	0.042	25.100	0.009	25.125	0.004	25.154	0.002
25.163	0.030	25.184	0.086	25.199	0.082	25.216	0.066
25.248	0.006	25.269	-0.030	25.285	-0.046	25.300	-0.038
25.328	0.014	25.341	0.026	25.352	0.010	25.383	-0.058
25.394	-0.066	25.410	-0.058	25.431	-0.022	25.457	0.046
25.470	0.058	25.483	0.026	25.510	-0.062	25.525	-0.062
25.563	-0.038	25.576	-0.046	25.597	-0.082	25.609	-0.098
25.621	-0.082	25.647	-0.046	25.678	-0.026	25.694	-0.030
25.715	-0.042	25.726	-0.058	25.755	-0.018	25.777	-0.002
25.806	0.003	25.822	-0.000	25.844	-0.012	25.870	0.001
25.901	-0.018	25.942	-0.018	25.970	-0.014	26.008	0.054
26.021	0.038	26.046	0.006	26.065	-0.022	26.082	-0.042
26.094	-0.018	26.123	0.038	26.141	0.058	26.155	0.062
26.175	0.038	26.192	0.026	26.229	0.029	26.244	0.037
26.262	0.076	26.273	0.076	26.306	0.027	26.332	0.002
26.370	-0.010	26.398	-0.018	26.426	-0.030	26.449	-0.038
26.473	-0.026	26.491	-0.018	26.509	-0.023	26.522	-0.039
26.543	-0.059	26.567	-0.064	26.582	-0.056	26.604	-0.016
26.619	-0.005	26.643	-0.037	26.661	-0.025	26.685	-0.002
26.703	-0.010	26.738	-0.022	26.758	-0.017	26.777	-0.025
26.799	0.007	26.813	0.024	26.838	0.020	26.866	0.017
26.893	0.017	26.910	0.013	26.936	0.014	26.953	0.010
26.972	0.002	26.997	0.018	27.021	0.018	27.048	0.018
27.063	0.018	27.086	0.046	27.104	0.026	27.126	-0.006
27.160	-0.002	27.189	-0.022	27.218	0.002	27.240	-0.026
27.262	-0.042	27.282	-0.030	27.300	-0.014	27.316	-0.042
27.335	-0.066	27.351	-0.050	27.372	-0.022	27.400	-0.005
27.420	-0.001	27.438	-0.024	27.459	-0.056	27.480	-0.031
27.495	-0.019	27.523	-0.019	27.545	0.006	27.564	0.018
27.582	0.006	27.602	-0.022	27.616	-0.038	27.634	-0.010
27.652	0.002	27.679	-0.010	27.683	-0.010	27.701	-0.002
27.734	-0.010	27.767	0.010	27.790	0.006	27.810	0.006
27.824	0.006	27.843	-0.002	27.876	0.034	27.895	0.014
27.913	-0.022	27.936	0.006	27.955	-0.002	27.970	-0.022
27.987	-0.006	28.005	0.018	28.020	0.034	28.031	0.034
28.054	0.006	28.072	-0.010	28.088	0.002	28.105	0.018
28.130	-0.002	28.152	-0.018	28.174	-0.006	28.200	0.006
28.219	0.002	28.240	-0.002	28.262	-0.002	28.278	-0.010
28.290	-0.030	28.305	-0.034	28.323	-0.010	28.338	0.010
28.352	0.018	28.369	-0.010	28.388	-0.026	28.404	-0.014
28.420	-0.010	28.441	-0.018	28.453	-0.006	28.465	0.006
28.474	0.014	28.492	0.006	28.505	0.006	28.526	0.014
28.541	0.026	28.557	0.026	28.573	0.022	28.588	0.018
28.600	0.026	28.623	0.034	28.639	0.022	28.656	0.014
28.684	0.010	28.701	-0.002	28.723	-0.002	28.742	-0.002
28.759	-0.002	28.779	-0.002	28.802	-0.027	28.818	-0.003
28.834	0.017	28.848	0.004	28.863	-0.020	28.875	-0.028
28.894	-0.020	28.917	-0.029	28.939	-0.029	28.954	-0.005
28.975	0.018	28.989	-0.002	29.007	-0.022	29.019	-0.014
29.039	0.018	29.057	0.026	29.077	0.010	29.098	-0.006

29.115	-0.030	29.129	-0.014	29.146	0.010	29.158	0.002
29.177	-0.030	29.189	-0.030	29.206	-0.026	29.222	-0.042
29.237	-0.042	29.247	-0.022	29.265	0.010	29.278	0.034
29.287	0.042	29.304	0.014	29.316	-0.006	29.329	0.014
29.343	0.010	29.355	-0.014	29.367	-0.038	29.377	-0.067
29.389	-0.059	29.410	-0.023	29.428	-0.004	29.444	0.012
29.459	0.016	29.482	-0.013	29.496	0.003	29.513	0.015
29.531	0.022	29.544	0.018	29.558	-0.010	29.571	-0.030
29.584	-0.021	29.599	-0.005	29.619	0.011	29.636	0.020
29.652	0.020	29.662	-0.008	29.676	-0.039	29.686	-0.039
29.694	-0.023	29.715	0.029	29.725	0.041	29.737	0.018
29.767	-0.018	29.786	-0.030	29.799	-0.014	29.811	0.026
29.820	0.026	29.839	-0.006	29.851	-0.018	29.877	0.014
29.896	0.022	29.907	0.013	29.925	0.021	29.952	-0.052
29.968	-0.080	29.981	-0.069	30.000	-0.033	30.013	-0.025
30.022	-0.042	30.042	-0.098	30.063	-0.116	30.075	-0.105
30.103	-0.019	30.115	0.000	30.140	-0.013	30.152	0.007
30.173	0.038	30.190	0.062	30.207	0.054	30.229	0.026
30.241	0.014	30.263	0.042	30.275	0.042	30.300	-0.034
30.309	-0.038	30.330	0.006	30.349	0.010	30.367	0.030
30.383	0.022	30.402	0.034	30.426	-0.002	30.455	0.037
30.478	0.008	30.501	0.027	30.528	-0.030	30.549	-0.018
30.576	-0.038	30.607	0.002	30.635	-0.026	30.659	0.015
30.671	0.008	30.695	0.000	30.721	0.005	30.743	0.010
30.758	0.023	30.792	0.028	30.809	0.032	30.826	0.049
30.848	-0.006	30.863	-0.047	30.878	-0.020	30.902	-0.014
30.923	0.005	30.944	-0.037	30.961	-0.047	30.975	-0.000
30.986	0.015	31.010	0.002	31.031	0.018	31.056	-0.002
31.080	-0.006	31.102	-0.042	31.114	-0.030	31.129	-0.010
31.150	-0.022	31.169	0.002	31.189	0.002	31.207	0.030
31.219	0.038	31.230	0.018	31.253	-0.017	31.277	-0.000
31.295	-0.016	31.311	-0.027	31.328	-0.007	31.347	0.010
31.360	-0.006	31.385	-0.009	31.403	-0.052	31.413	-0.060
31.433	-0.023	31.458	-0.003	31.473	0.010	31.488	0.022
31.505	0.014	31.535	0.002	31.548	-0.002	31.561	0.026
31.574	0.033	31.593	-0.012	31.610	-0.029	31.630	-0.046
31.645	-0.058	31.664	-0.039	31.689	-0.036	31.705	-0.016
31.719	0.007	31.752	0.026	31.774	0.046	31.798	0.047
31.822	0.063	31.843	0.048	31.867	0.024	31.885	0.001
31.907	-0.046	31.925	-0.066	31.939	-0.058	31.960	-0.018
31.978	0.006	31.996	0.002	32.018	0.002	32.033	0.026
32.046	0.051	32.060	0.027	32.083	-0.012	32.097	-0.004
32.117	0.012	32.128	-0.007	32.149	-0.035	32.162	-0.023
32.180	0.002	32.194	0.014	32.206	0.015	32.218	-0.009
32.240	-0.044	32.263	-0.044	32.291	-0.007	32.306	0.001
32.338	-0.014	32.365	-0.034	32.387	-0.050	32.413	-0.066
32.428	-0.082	32.439	-0.074	32.453	-0.046	32.464	-0.038
32.485	-0.054	32.508	-0.053	32.534	-0.029	32.573	-0.012
32.604	-0.043	32.625	-0.027	32.643	0.005	32.677	0.003
32.717	0.002	32.740	0.015	32.763	0.009	32.784	0.014
32.814	-0.008	32.846	0.009	32.878	0.026	32.946	0.029
32.965	0.016	32.980	0.023	33.002	0.050	33.028	-0.010
33.041	-0.022	33.076	0.002	33.093	-0.030	33.121	-0.106
33.134	-0.098	33.150	-0.066	33.169	-0.046	33.183	-0.034
33.196	-0.026	33.208	-0.002	33.218	0.018	33.228	0.030
33.243	0.014	33.256	-0.030	33.269	-0.058	33.278	-0.062

33.290	-0.038	33.303	-0.014	33.335	-0.010	33.359	-0.014
33.370	-0.038	33.384	-0.074	33.395	-0.094	33.409	-0.074
33.426	-0.034	33.438	-0.006	33.459	0.006	33.477	0.006
33.494	-0.022	33.508	0.010	33.531	0.062	33.545	0.078
33.557	0.050	33.579	0.002	33.590	-0.014	33.632	-0.010
33.657	0.026	33.671	0.006	33.707	-0.106	33.721	-0.126
33.733	-0.102	33.755	-0.042	33.767	-0.038	33.791	-0.038
33.816	-0.038	33.830	-0.018	33.849	0.046	33.865	0.042
33.890	0.030	33.930	0.038	33.954	0.022	33.969	0.042
33.988	0.102	33.996	0.106	34.013	0.050	34.034	-0.014
34.056	-0.054	34.074	-0.062	34.088	-0.038	34.109	0.014
34.122	0.041	34.137	0.045	34.150	0.025	34.171	-0.055
34.185	-0.103	34.193	-0.100	34.214	-0.048	34.235	-0.072
34.253	-0.084	34.271	-0.037	34.299	0.087	34.311	0.114
34.330	0.090	34.368	0.014	34.391	-0.018	34.415	0.030
34.424	0.026	34.447	-0.058	34.466	-0.102	34.480	-0.094
34.498	-0.094	34.509	-0.054	34.533	0.014	34.546	0.038
34.562	0.034	34.580	0.018	34.595	0.006	34.612	0.022
34.635	0.054	34.646	0.050	34.676	-0.014	34.696	-0.050
34.710	-0.062	34.720	-0.043	34.738	0.001	34.760	-0.004
34.778	0.019	34.800	0.031	34.825	0.030	34.841	0.049
34.854	0.049	34.866	0.025	34.878	0.001	34.894	0.008
34.909	0.008	34.921	0.004	34.931	-0.024	34.947	-0.065
34.958	-0.081	34.969	-0.037	34.985	0.003	35.001	0.022
35.016	0.018	35.031	-0.027	35.049	-0.083	35.060	-0.092
35.081	-0.084	35.096	-0.081	35.109	-0.062	35.128	-0.030
35.142	-0.019	35.154	-0.023	35.166	-0.040	35.182	-0.048
35.196	-0.037	35.211	-0.018	35.227	-0.002	35.243	0.001
35.257	-0.019	35.271	-0.023	35.287	0.000	35.303	0.016
35.317	0.019	35.328	0.011	35.338	-0.005	35.354	-0.038
35.369	-0.062	35.385	-0.038	35.421	0.035	35.439	0.064
35.450	0.072	35.458	0.044	35.491	-0.035	35.502	-0.047
35.509	-0.031	35.526	0.014	35.539	0.038	35.555	0.030
35.569	0.002	35.584	-0.018	35.594	-0.034	35.606	-0.026
35.624	0.014	35.638	0.014	35.650	-0.006	35.664	-0.026
35.678	-0.038	35.700	-0.026	35.722	-0.050	35.744	-0.014
35.757	0.006	35.789	0.046	35.807	-0.014	35.825	-0.042
35.844	-0.046	35.861	-0.010	35.882	0.022	35.902	0.018
35.922	0.034	35.952	0.038	35.977	0.030	35.997	0.026
36.012	-0.022	36.033	-0.066	36.044	-0.078	36.063	-0.058
36.087	-0.058	36.106	-0.034	36.126	-0.010	36.157	-0.014
36.188	-0.014	36.210	-0.010	36.234	-0.006	36.254	0.018
36.273	0.030	36.282	0.022	36.307	-0.034	36.317	-0.038
36.331	-0.018	36.346	0.002	36.373	-0.030	36.403	0.034
36.437	0.042	36.469	0.102	36.480	0.102	36.517	0.015
36.535	0.003	36.565	0.016	36.583	0.008	36.610	0.041
36.625	0.041	36.644	0.025	36.663	0.006	36.681	-0.022
36.696	-0.018	36.718	0.014	36.730	0.014	36.757	-0.034
36.774	-0.026	36.802	-0.002	36.829	-0.014	36.850	-0.010
36.878	-0.030	36.921	-0.026	36.955	-0.006	36.972	0.002
36.994	-0.034	37.014	-0.042	37.043	0.026	37.058	0.034
37.073	0.026	37.095	0.054	37.124	-0.014	37.178	-0.022
37.215	-0.022	37.232	0.002	37.248	0.014	37.264	-0.006
37.285	-0.018	37.323	-0.014	37.340	-0.014	37.362	0.002
37.398	0.006	37.421	0.026	37.440	0.026	37.464	0.042
37.495	0.034	37.518	0.026	37.549	-0.026	37.571	-0.034

37.610	0.026	37.630	0.058	37.648	0.026	37.668	-0.006
37.690	0.002	37.716	0.010	37.736	0.010	37.763	-0.030
37.793	-0.018	37.820	0.002	37.844	0.042	37.864	0.074
37.878	0.070	37.897	0.030	37.919	-0.022	37.932	-0.030
37.951	-0.007	37.969	0.017	37.982	-0.003	37.999	-0.032
38.010	-0.028	38.033	0.016	38.046	0.015	38.065	0.003
38.071	-0.001	38.088	-0.021	38.116	0.018	38.134	0.010
38.166	-0.026	38.176	-0.030	38.193	-0.006	38.207	-0.018
38.236	-0.038	38.248	-0.050	38.277	0.010	38.296	0.002
38.305	-0.030	38.318	-0.034	38.345	-0.010	38.387	0.046
38.401	0.058	38.419	0.046	38.436	0.030	38.454	0.010
38.469	0.014	38.499	0.014	38.521	0.022	38.547	0.022
38.560	0.022	38.573	0.010	38.600	-0.018	38.615	-0.042
38.627	-0.030	38.648	-0.010	38.663	-0.026	38.679	-0.030
38.698	-0.022	38.711	-0.010	38.727	-0.018	38.740	-0.026
38.759	-0.022	38.779	-0.022	38.799	-0.018	38.822	-0.022
38.839	-0.022	38.851	-0.010	38.867	-0.002	38.883	0.006
38.898	0.002	38.914	-0.005	38.921	0.003	38.937	0.019
38.949	0.043	38.961	0.047	38.971	0.036	38.991	-0.000
39.005	-0.016	39.022	-0.012	39.042	-0.003	39.057	-0.011
39.075	-0.019	39.085	-0.011	39.105	0.014	39.113	0.006
39.134	-0.002	39.144	0.010	39.157	0.019	39.168	0.015
39.181	0.007	39.202	-0.017	39.220	-0.020	39.240	-0.016
39.254	-0.012	39.269	-0.004	39.280	-0.008	39.291	-0.019
39.306	-0.031	39.317	-0.027	39.328	-0.011	39.340	0.017
39.347	0.017	39.361	-0.010	39.373	-0.010	39.384	-0.002
39.399	0.023	39.409	0.031	39.417	0.027	39.434	0.016
39.449	-0.000	39.462	0.008	39.476	0.013	39.484	0.005
39.498	-0.003	39.509	-0.002	39.518	0.010	39.532	0.026
39.543	0.043	39.552	0.043	39.565	0.027	39.580	0.024
39.594	0.028	39.609	0.049	39.622	0.057	39.635	0.053
39.652	0.030	39.665	0.002	39.674	-0.002	39.692	0.034
39.704	0.046	39.715	0.018	39.732	-0.002	39.740	0.014
39.759	0.030	39.775	0.022	39.793	0.014	39.807	0.002
39.830	-0.026	39.851	-0.042	39.870	-0.050	39.886	-0.046
39.914	-0.014	39.932	-0.023	39.961	-0.023	39.981	-0.007
39.997	0.005	40.019	0.012	40.036	0.016	40.054	0.012
40.071	0.012	40.086	0.007	40.103	-0.001	40.120	-0.001
40.138	-0.001	40.147	-0.005	40.166	-0.010	40.180	0.006
40.197	0.030	40.208	0.026	40.223	0.014	40.245	-0.018
40.271	-0.030	40.287	-0.046	40.308	-0.058	40.320	-0.050
40.343	-0.022	40.356	-0.014	40.379	-0.018	40.401	-0.002
40.432	-0.002	40.449	0.006	40.478	-0.018	40.503	0.006
40.531	-0.006	40.556	0.037	40.570	0.037	40.600	-0.004
40.615	-0.016	40.645	0.011	40.670	0.022	40.697	0.010
40.727	0.021	40.740	0.012	40.765	-0.020	40.784	-0.037
40.805	-0.009	40.824	0.010	40.853	0.010	40.879	0.041
40.889	0.033	40.923	-0.011	40.940	-0.024	40.966	-0.020
40.990	-0.016	41.015	-0.005	41.035	0.019	41.056	0.007
41.074	-0.002	41.091	0.026	41.110	0.022	41.129	0.009
41.147	-0.027	41.160	-0.023	41.184	0.025	41.219	0.024
41.238	-0.004	41.256	0.015	41.284	0.023	41.308	0.027
41.333	0.030	41.355	0.038	41.367	0.030	41.386	0.001
41.401	0.001	41.418	0.017	41.432	0.013	41.456	0.008
41.472	0.016	41.487	0.024	41.504	0.023	41.517	0.015
41.532	0.011	41.547	-0.005	41.560	-0.014	41.584	-0.002

41.604	-0.014	41.629	-0.022	41.644	-0.029	41.662	-0.021
41.684	-0.013	41.708	-0.005	41.726	-0.000	41.748	0.024
41.757	0.016	41.781	-0.024	41.794	-0.035	41.817	-0.007
41.831	0.005	41.862	0.001	41.887	0.006	41.896	0.014
41.907	0.002	41.939	-0.026	41.951	-0.014	41.964	0.006
41.985	0.006	42.005	-0.002	42.027	-0.010	42.035	-0.010
42.060	0.014	42.078	0.010	42.090	0.006	42.109	0.030
42.125	0.022	42.143	0.010	42.162	0.010	42.191	0.010
42.201	-0.002	42.217	-0.022	42.230	-0.018	42.248	-0.010
42.259	-0.010	42.277	-0.022	42.291	-0.018	42.311	0.006
42.326	0.014	42.339	0.010	42.350	0.014	42.368	0.034
42.377	0.034	42.400	0.030	42.419	0.026	42.440	0.010
42.462	-0.006	42.486	-0.014	42.506	-0.014	42.528	-0.006
42.552	0.006	42.573	0.014	42.596	0.022	42.619	0.022
42.638	0.014	42.659	0.002	42.689	-0.010	42.712	-0.030
42.731	-0.018	42.751	-0.006	42.765	-0.010	42.783	-0.022
42.806	-0.002	42.820	-0.010	42.837	-0.022	42.853	-0.014
42.874	0.006	42.902	0.006	42.916	-0.002	42.937	-0.018
42.955	-0.026	42.977	-0.026	42.998	-0.010	43.018	-0.002
43.037	-0.002	43.064	0.018	43.079	0.014	43.101	0.002
43.127	-0.006	43.143	-0.013	43.161	-0.005	43.182	-0.001
43.200	0.007	43.216	-0.008	43.237	-0.016	43.262	-0.016
43.285	-0.028	43.303	-0.023	43.325	-0.019	43.344	-0.015
43.364	-0.003	43.385	0.010	43.407	0.018	43.421	0.010
43.443	-0.009	43.462	-0.000	43.481	-0.008	43.503	-0.023
43.520	-0.011	43.537	0.006	43.555	-0.006	43.572	-0.017
43.589	-0.033	43.600	-0.021	43.621	-0.000	43.634	-0.004
43.655	-0.023	43.670	-0.027	43.687	-0.018	43.720	-0.014
43.737	-0.014	43.764	-0.010	43.786	-0.018	43.804	-0.034
43.834	0.002	43.855	0.002	43.910	-0.006	43.986	-0.006
44.006	0.003	44.017	-0.005	44.030	-0.016	44.043	-0.020
44.060	-0.011	44.071	0.002	44.080	0.010	44.094	0.007
44.106	0.011	44.119	-0.004	44.125	-0.008	44.137	-0.015
44.149	-0.022	44.159	-0.018	44.170	-0.005	44.182	0.011
44.193	0.040	44.213	0.045	44.232	0.041	44.249	0.038
44.279	0.040	44.300	0.041	44.323	0.034	44.338	0.034
44.347	0.046	44.363	0.042	44.375	0.030	44.391	0.030
44.404	0.042	44.423	0.026	44.444	0.042	44.458	0.034
44.471	0.026	44.489	0.026	44.498	0.014	44.509	0.010
44.518	0.010	44.529	0.010	44.544	0.010	44.554	0.022
44.570	0.030	44.581	0.026	44.596	0.018	44.610	0.018
44.622	0.021	44.632	0.029	44.644	0.025	44.654	0.021
44.662	0.013	44.673	0.001	44.690	-0.008	44.709	0.000
44.726	0.008	44.744	0.008	44.760	0.011	44.776	-0.001
44.793	-0.001	44.808	0.003	44.827	0.010	44.849	0.010
44.858	0.018	44.875	0.038	44.893	0.022	44.907	0.006
44.929	0.002	44.946	0.002	44.964	-0.002	44.979	-0.002
44.996	0.002	45.012	0.018	45.037	0.022	45.046	0.018
45.061	0.010	45.078	0.010	45.097	0.006	45.121	0.002
45.145	0.002	45.171	0.006	45.183	0.014	45.196	0.006
45.215	-0.002	45.231	-0.010	45.247	-0.002	45.266	0.022
45.284	0.022	45.311	0.018	45.329	0.014	45.346	0.010
45.360	0.019	45.378	0.011	45.398	0.000	45.410	0.000
45.423	0.009	45.441	0.006	45.464	0.002	45.490	0.015
45.509	0.020	45.529	0.021	45.558	0.018	45.582	0.018
45.611	0.015	45.639	0.007	45.659	0.007	45.685	0.008

45.701	0.012	45.720	0.032	45.731	0.041	45.742	0.037
45.759	0.025	45.782	0.025	45.803	0.034	45.825	0.038
45.843	0.018	45.860	0.010	45.883	-0.010	45.905	-0.002
45.925	-0.010	45.944	-0.010	45.959	-0.010	45.975	0.006
45.990	0.022	46.009	0.022	46.030	0.018	46.049	0.010
46.075	-0.006	46.093	0.002	46.112	-0.002	46.133	0.022
46.164	0.018	46.176	0.010	46.204	0.022	46.233	0.018
46.257	0.014	46.282	0.022	46.309	0.022	46.331	0.029
46.351	0.033	46.365	0.029	46.380	0.021	46.398	0.016
46.413	0.028	46.443	0.036	46.456	0.035	46.469	0.027
46.489	0.027	46.504	0.027	46.526	0.034	46.544	0.042
46.564	0.037	46.574	0.028	46.610	0.018	46.641	0.032
46.660	0.043	46.682	0.038	46.705	0.028	46.733	0.027
46.760	0.017	46.784	0.028	46.815	0.014	46.845	0.015
46.881	0.016	46.900	0.012	46.919	0.001	46.934	0.005
46.958	0.002	46.984	0.019	47.014	0.020	47.038	0.024
47.056	0.009	47.070	-0.007	47.084	-0.014	47.108	-0.006
47.126	-0.006	47.138	0.010	47.161	0.010	47.184	0.014
47.203	0.010	47.224	0.006	47.249	0.010	47.270	0.022
47.288	0.022	47.312	0.022	47.333	0.022	47.347	0.022
47.362	0.029	47.382	0.023	47.397	0.017	47.413	0.011
47.429	0.017	47.447	0.019	47.463	0.029	47.479	0.035
47.498	0.025	47.513	0.020	47.534	0.021	47.554	0.023
47.567	0.021	47.583	0.012	47.604	-0.002	47.624	-0.014
47.643	0.010	47.656	0.002	47.678	-0.010	47.691	-0.002
47.709	0.006	47.726	0.006	47.745	0.002	47.770	-0.002
47.788	0.010	47.800	-0.006	47.814	0.006	47.837	0.006
47.855	0.018	47.888	-0.002	47.906	-0.006	47.930	-0.002
47.949	-0.002	47.967	-0.010	47.991	-0.014	48.004	-0.018
48.019	-0.014	48.029	-0.006	48.041	-0.014	48.055	-0.026
48.072	-0.022	48.095	-0.010	48.113	-0.046	48.126	0.018
48.142	0.018	48.160	0.030	48.181	0.018	48.199	0.006
48.211	0.010	48.227	-0.006	48.236	0.018	48.252	0.018
48.268	0.006	48.296	0.010	48.312	0.014	48.331	0.010
48.344	0.006	48.357	0.018	48.371	0.038	48.388	0.033
48.409	0.033	48.432	0.033	48.451	0.028	48.470	0.020
48.482	0.016	48.494	0.008	48.505	0.015	48.519	0.015
48.530	0.015	48.543	0.007	48.556	0.002	48.575	0.006
48.591	-0.010	48.606	0.014	48.628	0.018	48.645	0.022
48.672	0.010	48.691	0.010	48.713	0.002	48.734	0.002
48.755	0.018	48.770	0.010	48.786	-0.010	48.801	-0.010
48.826	0.010	48.849	-0.010	48.865	0.018	48.884	0.018
48.906	0.006	48.923	0.010	48.940	0.002	48.959	-0.006
48.972	0.002	48.986	0.022	49.002	0.014	49.020	0.010
49.036	0.006	49.050	0.006	49.063	0.014	49.080	0.014
49.095	-0.050	49.106	0.014	49.123	0.010	49.140	0.014
49.156	0.002	49.168	0.014	49.178	0.010	49.188	0.010
49.200	0.010	49.210	0.010	49.225	-0.006	49.235	-0.006
49.257	-0.006	49.271	-0.002	49.292	0.014	49.306	0.026
49.320	0.030	49.333	0.022	49.345	0.014	49.358	0.002
49.373	0.009	49.392	0.013	49.412	0.017	49.428	0.016
49.439	0.016	49.450	0.016	49.465	0.012	49.481	0.003
49.499	0.007	49.513	0.011	49.528	0.006	49.536	0.006
49.547	0.006	49.567	0.010	49.582	0.014	49.599	0.014
49.613	0.018	49.628	0.022	49.640	0.026	49.655	0.022
49.665	0.014	49.682	0.006	49.698	-0.002	49.709	0.010

49.726	0.018	49.740	0.022	49.753	0.022	49.765	0.022
49.778	0.018	49.794	0.014	49.806	0.010	49.822	-0.006
49.834	-0.010	49.846	-0.010	49.859	-0.006	49.873	-0.002
49.887	0.006	49.900	0.010	49.914	0.006	49.928	-0.002
49.944	-0.002	49.967	0.002	49.979	0.006	49.992	0.006
50.004	0.006	50.016	0.006	50.034	0.010	50.047	0.014
50.061	0.014	50.076	0.014	50.094	0.014	50.112	0.014
50.130	0.018	50.148	0.018	50.167	0.022	50.182	0.018
50.199	0.018	50.218	0.014	50.230	0.014	50.246	0.014
50.263	0.014	50.280	0.014	50.297	0.018	50.314	0.022
50.330	0.026	50.346	0.026	50.364	0.026	50.383	0.010
50.395	0.006	50.411	-0.002	50.430	-0.002	50.458	0.010
50.473	-0.002	50.491	-0.014	50.508	-0.014	50.520	-0.014
50.537	-0.014	50.549	-0.014	50.560	-0.014	50.581	-0.014
50.602	-0.014	50.624	-0.010	50.642	0.006	50.663	-0.002
50.675	-0.006	50.692	-0.002	50.708	-0.002	50.724	-0.010
50.745	-0.014	50.762	-0.006	50.778	-0.002	50.794	-0.002
50.804	-0.006	50.822	-0.010	50.848	0.002	50.859	0.002
50.884	-0.006	50.916	0.006	50.932	0.002	50.946	0.002
50.962	0.002	50.980	0.002	51.008	0.010	51.023	0.014
51.045	0.006	51.069	0.026	51.084	0.030	51.111	0.010
51.126	0.006	51.145	0.006	51.171	0.002	51.202	0.022
51.219	0.034	51.232	0.018	51.250	0.018	51.278	0.030
51.306	0.006	51.331	0.014	51.353	-0.010	51.387	0.026
51.411	0.006	51.431	0.022	51.459	0.014	51.482	0.002
51.503	0.002	51.523	0.002	51.542	0.014	51.559	0.006
51.574	-0.002	51.600	0.010	51.616	-0.006	51.631	-0.018
51.655	-0.014	51.677	-0.018	51.708	0.002	51.734	0.006
51.755	0.006	51.776	0.002	51.795	-0.010	51.832	0.015
51.855	0.003	51.879	0.003	51.918	-0.016	51.949	-0.004
51.971	-0.003	51.994	0.009	52.023	0.002	52.052	0.015
52.070	0.016	52.099	0.013	52.128	0.006	52.153	0.008
52.173	0.009	52.199	0.002	52.222	0.003	52.241	0.012
52.262	0.009	52.283	0.010	52.304	0.013	52.326	0.004
52.346	0.008	52.364	0.007	52.392	-0.002	52.414	-0.002
52.427	-0.003	52.450	-0.008	52.476	0.008	52.497	0.003
52.515	0.002	52.527	0.002	52.550	0.014	52.565	0.014
52.587	0.003	52.618	0.007	52.641	0.011	52.662	0.016
52.682	-0.008	52.703	-0.004	52.734	0.001	52.758	0.001
52.773	0.001	52.798	-0.011	52.820	-0.002	52.841	0.002
52.869	-0.014	52.885	-0.018	52.909	-0.006	52.933	-0.018
52.963	0.002	52.990	0.018	53.021	0.006	53.044	0.006
53.065	0.014	53.089	-0.006	53.125	0.010	53.148	-0.006
53.171	-0.002	53.197	0.006	53.232	0.026	53.252	0.018
53.271	0.022	53.292	0.021	53.328	0.009	53.351	0.017
53.370	0.028	53.402	0.004	53.426	0.015	53.444	0.011
53.463	0.007	53.501	0.026	53.531	0.009	53.556	0.008
53.585	0.019	53.600	0.023	53.631	0.010	53.656	0.005
53.672	0.004	53.702	0.023	53.725	0.018	53.750	0.018
53.777	0.017	53.808	0.001	53.834	0.020	53.853	0.016
53.871	0.012	53.898	0.023	53.920	0.015	53.941	0.011
53.959	0.006	53.986	0.018	54.004	0.033	54.030	0.007
54.048	0.002	54.082	0.018	54.110	0.006	54.129	0.006
54.153	0.006	54.181	-0.002	54.204	-0.002	54.227	0.006
54.260	0.002	54.290	0.002	54.306	0.002	54.328	0.002
54.346	0.002	54.373	0.010	54.392	-0.010	54.418	-0.014

54.437	-0.014	54.465	-0.002	54.483	-0.002	54.504	-0.002
54.530	0.006	54.555	0.006	54.579	0.006	54.608	0.010
54.636	0.010	54.658	0.002	54.682	0.006	54.706	0.009
54.732	0.008	54.763	0.010	54.788	0.017	54.815	0.008
54.834	0.007	54.849	0.006	54.862	0.010	54.871	0.011
54.877	0.003	54.888	-0.001	54.897	-0.001	54.906	-0.000
54.920	-0.004	54.932	-0.004	54.945	-0.003	54.961	-0.003
54.974	0.006	54.986	0.006	55.001	0.006	55.014	0.006
55.032	-0.006	55.044	0.010	55.053	0.010	55.065	0.018
55.078	0.030	55.088	0.030	55.102	0.018	55.112	0.014
55.126	0.006	55.139	0.002	55.154	-0.002	55.166	-0.002
55.179	-0.002	55.195	0.002	55.208	0.006	55.224	0.010
55.233	0.014	55.245	0.010	55.261	-0.006	55.270	-0.010
55.288	-0.002	55.304	0.006	55.320	0.014	55.334	0.006
55.349	0.006	55.362	0.006	55.375	0.006	55.390	0.006
55.413	0.006	55.430	0.006	55.451	0.006	55.470	0.006
55.484	0.006	55.495	-0.002	55.514	0.010	55.531	0.014
55.547	0.014	55.561	0.010	55.579	-0.002	55.589	0.014
55.608	0.010	55.617	0.014	55.631	0.010	55.647	0.010
55.658	0.014	55.671	0.018	55.684	0.014	55.702	0.010
55.720	0.010	55.736	0.007	55.753	0.001	55.767	-0.002
55.784	0.008	55.805	0.006	55.821	0.012	55.840	0.018
55.857	0.012	55.874	0.018	55.892	0.027	55.912	0.025
55.934	0.022	55.953	0.012	55.978	0.006	56.002	0.003
56.020	0.003	56.041	-0.004	56.066	0.000	56.087	0.001
56.105	0.001	56.124	0.009	56.143	0.026	56.161	0.026
56.185	0.014	56.208	0.010	56.231	-0.002	56.248	-0.002
56.270	-0.002	56.293	-0.002	56.319	0.002	56.336	0.010
56.355	0.026	56.373	0.022	56.395	0.010	56.427	0.010
56.449	0.006	56.465	0.006	56.493	-0.003	56.515	-0.003
56.537	-0.008	56.555	0.004	56.575	0.003	56.594	-0.005
56.607	-0.002	56.628	0.010	56.647	0.009	56.665	0.013
56.683	0.004	56.698	0.019	56.714	0.019	56.728	0.006
56.738	-0.002	56.759	0.014	56.781	0.018	56.799	0.018
56.819	0.014	56.834	0.030	56.845	0.030	56.860	0.026
56.881	0.022	56.900	0.014	56.922	0.025	56.936	0.029
56.957	0.016	56.975	0.004	56.996	0.003	57.004	0.003
57.020	0.002	57.034	-0.002	57.050	-0.006	57.058	-0.007
57.067	-0.003	57.075	0.001	57.090	0.012	57.102	-0.000
57.124	-0.001	57.143	-0.002	57.159	-0.003	57.171	-0.011
57.184	-0.016	57.199	-0.012	57.212	-0.009	57.229	-0.013
57.244	-0.022	57.259	-0.022	57.272	-0.021	57.290	-0.020
57.303	-0.015	57.319	-0.010	57.333	0.003	57.344	0.016
57.358	0.001	57.382	-0.006	57.401	-0.009	57.419	-0.008
57.436	-0.015	57.452	-0.014	57.467	-0.011	57.488	-0.007
57.508	-0.012	57.524	-0.016	57.546	-0.013	57.570	-0.005
57.589	-0.002	57.609	0.010	57.619	0.007	57.634	0.006
57.653	0.014	57.668	0.024	57.681	0.015	57.691	-0.003
57.700	-0.018	57.716	-0.007	57.733	0.011	57.747	0.023
57.770	0.021	57.798	0.011	57.817	0.002	57.838	-0.010
57.858	0.002	57.874	0.026	57.885	0.026	57.902	0.018
57.915	0.006	57.938	0.010	57.958	0.018	57.976	0.018
57.989	0.014	58.002	0.002	58.016	0.001	58.040	-0.007
58.052	-0.016	58.067	-0.024	58.083	-0.000	58.099	0.011
58.118	0.007	58.135	-0.009	58.153	-0.018	58.165	-0.034
58.182	-0.018	58.200	-0.002	58.215	0.010	58.224	0.002

58.235	-0.014	58.247	0.010	58.261	0.030	58.274	0.022
58.296	0.002	58.317	-0.010	58.329	-0.014	58.342	0.006
58.353	0.006	58.368	-0.014	58.382	-0.026	58.396	-0.013
58.418	-0.013	58.435	-0.008	58.450	-0.004	58.469	0.017
58.485	0.013	58.497	0.033	58.511	0.042	58.530	0.023
58.545	-0.001	58.558	-0.012	58.574	0.001	58.597	0.002
58.615	0.003	58.630	0.019	58.644	0.036	58.654	0.024
58.669	0.001	58.685	-0.010	58.706	-0.015	58.727	-0.004
58.746	0.004	58.762	0.031	58.779	0.030	58.795	0.030
58.813	0.025	58.826	0.001	58.841	-0.020	58.858	-0.021
58.876	-0.001	58.887	0.026	58.896	0.018	58.916	0.010
58.928	-0.001	58.942	0.007	58.964	0.008	58.984	0.009
59.008	-0.009	59.040	-0.002	59.055	-0.005	59.067	-0.005
59.080	-0.021	59.097	-0.028	59.117	-0.008	59.134	0.013
59.147	0.005	59.163	-0.010	59.184	-0.015	59.205	-0.008
59.223	-0.000	59.242	0.011	59.261	0.010	59.281	0.018
59.301	0.010	59.323	-0.006	59.343	-0.014	59.351	-0.010
59.366	-0.010	59.385	-0.010	59.402	-0.011	59.421	0.009
59.437	0.013	59.465	0.012	59.493	0.015	59.515	0.015
59.535	0.018	59.551	0.014	59.572	0.001	59.597	0.004
59.620	0.011	59.643	0.014	59.670	0.008	59.695	0.003
59.724	0.006	59.745	0.014	59.764	0.010	59.780	0.010
59.813	0.010	59.827	0.002	59.856	0.002	59.899	0.002
59.923	0.002	59.951	0.002	59.973	0.002	59.997	0.010
60.018	0.013	60.047	0.003	60.070	-0.003	60.091	-0.008
60.120	-0.006	60.140	0.002	60.171	0.014	60.193	0.018
60.218	0.014	60.244	0.002	60.264	-0.006	60.290	-0.014
60.312	-0.018	60.328	-0.014	60.344	-0.010	60.362	-0.014
60.376	-0.014	60.384	-0.006	60.396	-0.006	60.409	-0.014
60.426	-0.006	60.442	0.002	60.460	0.002	60.487	0.006
60.508	0.006	60.522	0.002	60.533	0.002	60.548	-0.006
60.573	0.006	60.588	0.018	60.606	0.030	60.627	0.026
60.643	0.022	60.663	0.022	60.689	0.022	60.708	0.010
60.723	0.017	60.749	0.016	60.769	0.015	60.792	0.002
60.813	-0.011	60.838	-0.004	60.868	-0.005	60.890	-0.002
60.919	-0.002	60.951	-0.006	60.977	-0.006	61.010	-0.006
61.047	-0.002	61.078	0.006	61.108	0.006	61.130	-0.002
61.155	-0.002	61.182	-0.002	61.200	-0.006	61.213	-0.014
61.246	-0.006	61.278	-0.006	61.301	0.002	61.329	0.002
61.355	-0.002	61.386	0.006	61.418	-0.002	61.440	-0.006
61.462	0.002	61.493	0.002	61.513	-0.002	61.541	-0.006
61.562	-0.006	61.588	-0.006	61.612	0.002	61.632	-0.006
61.651	-0.006	61.673	0.002	61.698	-0.006	61.722	-0.010
61.752	-0.006	61.776	-0.006	61.801	-0.006	61.818	-0.006
61.832	0.002	61.849	0.010	61.868	0.006	61.889	0.006
61.912	0.006	61.936	0.002	61.957	-0.006	61.975	-0.002
61.996	-0.001	62.017	-0.001	62.039	0.012	62.061	0.016
62.082	0.009	62.104	0.001	62.126	-0.002	62.150	-0.002
62.170	0.013	62.192	0.016	62.207	0.004	62.218	0.004
62.236	0.003	62.254	-0.005	62.276	-0.006	62.294	-0.014
62.312	-0.018	62.328	-0.010	62.348	-0.014	62.367	-0.014
62.394	-0.010	62.415	-0.006	62.434	-0.010	62.456	0.006
62.479	0.006	62.506	0.010	62.529	0.010	62.552	0.018
62.570	0.010	62.587	0.006	62.610	0.006	62.629	0.009
62.655	0.009	62.676	0.004	62.699	0.004	62.721	0.003
62.743	-0.001	62.769	-0.006	62.779	-0.006	62.800	-0.006

62.812	-0.005	62.830	0.003	62.842	-0.008	62.853	-0.012
62.872	-0.011	62.887	-0.010	62.914	-0.010	62.931	-0.010
62.954	-0.010	62.970	-0.002	62.983	0.002	63.000	-0.006
63.022	-0.010	63.046	-0.018	63.065	-0.010	63.084	-0.006
63.090	0.006	63.111	-0.006	63.129	-0.010	63.147	0.002
63.164	0.011	63.180	0.012	63.203	-0.003	63.224	0.002
63.248	0.007	63.271	0.008	63.292	0.001	63.314	0.002
63.336	-0.003	63.348	-0.003	63.357	-0.003	63.373	0.004
63.391	0.012	63.403	0.007	63.418	0.007	63.433	0.002
63.453	-0.006	63.465	-0.014	63.478	-0.002	63.490	0.006
63.508	0.002	63.522	-0.006	63.532	-0.006	63.546	0.006
63.564	-0.002	63.580	0.006	63.597	0.010	63.613	0.014
63.630	0.010	63.649	0.006	63.667	-0.006	63.683	0.002
63.701	0.010	63.716	-0.010	63.736	-0.010	63.760	-0.010
63.781	-0.010	63.800	-0.010	63.816	-0.010	63.834	-0.010
63.850	-0.006	63.875	-0.006	63.894	-0.010	63.909	-0.018
63.927	-0.014	63.947	-0.006	63.959	0.006	63.975	-0.010
63.988	-0.026	64.012	-0.026	64.028	-0.022	64.047	-0.018
64.080	-0.018	64.103	-0.018	64.119	-0.010	64.134	-0.010
64.154	-0.010	64.175	-0.010	64.194	-0.010	64.212	-0.010
64.227	-0.010	64.249	-0.010	64.269	-0.010	64.294	-0.018
64.316	-0.026	64.338	-0.022	64.347	-0.002	64.364	-0.002
64.388	-0.002	64.404	-0.002	64.425	-0.002	64.450	-0.010
64.470	-0.006	64.486	-0.006	64.510	-0.002	64.528	0.002
64.549	0.006	64.568	0.006	64.591	0.010	64.604	0.014
64.614	-0.002	64.639	-0.002	64.652	0.006	64.669	0.010
64.678	0.010	64.693	0.006	64.710	0.006	64.726	0.006
64.744	-0.002	64.764	-0.002	64.786	-0.002	64.807	-0.002
64.822	-0.002	64.840	0.006	64.865	0.005	64.882	-0.004
64.902	0.015	64.918	0.014	64.938	0.021	64.958	0.004
64.976	-0.004	64.995	-0.005	65.013	-0.002	65.028	0.002
65.044	0.002	65.056	0.002	65.069	-0.002	65.083	0.002
65.102	-0.006	65.120	-0.010	65.143	-0.006	65.160	-0.002
65.178	-0.010	65.197	-0.006	65.217	-0.010	65.234	0.002
65.246	-0.002	65.263	-0.010	65.281	-0.010	65.306	-0.010
65.327	-0.010	65.353	-0.010	65.378	-0.010	65.401	-0.002
65.422	-0.002	65.447	-0.002	65.463	-0.002	65.492	-0.002
65.520	-0.002	65.547	-0.002	65.571	-0.002	65.590	-0.002
65.611	0.002	65.633	0.002	65.661	0.002	65.683	0.002
65.713	0.002	65.737	0.003	65.758	0.011	65.783	0.016
65.811	0.005	65.834	-0.006	65.859	-0.002	65.898	0.002
65.931	0.006	65.962	0.010	65.987	0.006	66.008	-0.002
66.033	-0.006	66.059	-0.006	66.084	-0.010	66.102	-0.010
66.126	-0.010	66.141	-0.010	66.162	-0.010	66.182	-0.010
66.199	-0.010	66.217	-0.010	66.244	-0.010	66.264	-0.002
66.275	0.005	66.302	0.011	66.318	0.010	66.338	0.021
66.351	0.021	66.364	0.012	66.376	0.004	66.389	0.007
66.402	0.011	66.419	0.011	66.433	0.010	66.444	0.014
66.458	0.018	66.475	0.018	66.489	0.010	66.499	0.006
66.520	0.006	66.535	0.002	66.550	0.006	66.561	0.010
66.574	0.010	66.584	0.014	66.596	0.018	66.607	0.018
66.619	0.010	66.634	0.010	66.651	0.010	66.669	0.010
66.683	0.006	66.694	0.010	66.707	0.010	66.718	0.010
66.732	0.010	66.744	0.010	66.757	0.005	66.774	0.000
66.784	-0.012	66.793	-0.017	66.803	-0.013	66.818	-0.002
66.830	-0.003	66.843	-0.003	66.860	-0.012	66.873	-0.013

66.885	-0.009	66.902	-0.006	66.914	-0.005	66.925	-0.012
66.936	-0.016	66.949	-0.011	66.963	-0.006	66.977	-0.001
66.992	0.004	67.003	0.005	67.019	-0.003	67.031	-0.003
67.041	0.000	67.053	-0.000	67.063	-0.001	67.076	-0.002
67.092	-0.007	67.103	-0.007	67.118	-0.008	67.131	-0.013
67.142	-0.010	67.155	-0.006	67.164	-0.006	67.176	-0.002
67.187	-0.006	67.195	-0.010	67.209	-0.010	67.225	-0.014
67.235	-0.010	67.246	-0.014	67.262	-0.010	67.277	-0.010
67.298	-0.007	67.316	-0.007	67.332	-0.008	67.350	-0.008
67.365	-0.004	67.380	-0.001	67.393	0.003	67.405	0.006
67.424	0.010	67.439	0.014	67.457	0.015	67.474	0.011
67.491	0.016	67.507	0.008	67.528	0.004	67.545	0.009
67.561	0.017	67.577	0.018	67.590	0.018	67.604	0.009
67.619	0.009	67.631	0.009	67.646	0.008	67.660	0.012
67.674	0.008	67.686	0.011	67.699	0.011	67.711	0.011
67.723	0.006	67.738	0.002	67.750	0.002	67.764	0.010
67.779	0.011	67.790	0.007	67.808	0.012	67.816	0.012
67.830	0.004	67.847	0.005	67.869	0.001	67.883	0.010
67.899	0.014	67.911	0.017	67.930	0.009	67.954	0.004
67.972	0.004	67.989	0.007	68.003	0.011	68.022	0.003
68.040	0.006	68.055	-0.002	68.066	-0.002	68.079	0.003
68.091	-0.001	68.102	-0.005	68.118	-0.008	68.135	-0.008
68.147	-0.008	68.163	-0.003	68.177	-0.007	68.192	-0.014
68.208	-0.010	68.227	-0.006	68.243	-0.006	68.258	-0.010
68.275	-0.014	68.292	-0.014	68.308	-0.014	68.321	-0.010
68.336	-0.010	68.351	-0.014	68.368	-0.006	68.383	-0.006
68.399	-0.006	68.414	-0.010	68.431	-0.010	68.451	-0.006
68.465	-0.006	68.479	-0.006	68.495	0.002	68.511	0.002
68.534	0.002	68.547	0.002	68.565	-0.003	68.581	-0.007
68.598	-0.016	68.609	-0.012	68.623	-0.000	68.637	0.011
68.654	0.015	68.667	0.015	68.679	0.018	68.691	0.014
68.708	0.006	68.723	-0.002	68.738	0.003	68.754	0.003
68.765	0.003	68.781	-0.008	68.794	-0.012	68.807	-0.020
68.818	-0.016	68.836	0.005	68.847	0.017	68.855	0.021
68.869	0.009	68.884	0.002	68.893	0.002	68.906	0.022
68.917	0.022	68.931	0.003	68.944	0.003	68.960	-0.001
68.979	-0.008	68.988	-0.004	69.004	0.008	69.012	0.001
69.025	-0.011	69.038	-0.003	69.058	0.018	69.071	0.014
69.091	0.014	69.103	0.007	69.120	-0.009	69.131	-0.001
69.146	0.011	69.168	0.004	69.181	0.000	69.203	0.017
69.229	0.009	69.249	0.017	69.267	0.002	69.283	-0.007
69.301	0.009	69.319	0.020	69.338	0.003	69.349	0.003
69.368	-0.018	69.380	-0.011	69.398	0.000	69.417	0.012
69.432	0.003	69.446	-0.006	69.460	-0.006	69.476	-0.018
69.486	-0.021	69.502	-0.013	69.520	0.004	69.541	0.004
69.553	0.001	69.568	-0.011	69.577	-0.011	69.592	0.006
69.610	0.018	69.626	0.022	69.644	0.026	69.668	0.010
69.686	-0.002	69.698	0.006	69.715	0.018	69.738	0.014
69.751	0.002	69.765	-0.010	69.786	0.010	69.802	0.022
69.820	0.006	69.838	-0.006	69.860	-0.002	69.878	-0.002
69.898	0.006	69.918	-0.002	69.938	0.010	69.958	0.014
69.979	0.006	69.995	0.001	70.030	0.004	70.051	0.011
70.073	0.003	70.097	-0.002	70.133	0.002	70.173	0.006
70.198	0.014	70.223	0.010	70.243	0.002	70.262	-0.006
70.282	-0.002	70.318	-0.002	70.340	0.010	70.362	0.002
70.383	0.005	70.400	0.013	70.421	0.008	70.440	-0.000

70.460	-0.013	70.477	-0.005	70.495	0.006	70.509	0.002
70.527	-0.006	70.548	0.006	70.568	-0.018	70.585	-0.022
70.604	-0.010	70.627	0.006	70.646	0.010	70.664	0.006
70.702	0.010	70.721	0.022	70.742	0.018	70.771	0.014
70.798	0.006	70.825	0.002	70.843	0.006	70.868	0.022
70.885	0.022	70.914	0.010	70.957	0.002	70.992	0.010
71.013	0.006	71.041	-0.006	71.062	-0.018	71.087	0.002
71.110	-0.002	71.135	-0.010	71.155	-0.006	71.179	0.006
71.212	0.002	71.246	-0.003	71.283	-0.001	71.313	-0.010
71.341	0.002	71.366	-0.014	71.398	0.018	71.427	-0.002
71.454	0.002	71.482	0.009	71.506	0.012	71.529	0.003
71.554	-0.001	71.567	-0.002	71.590	0.009	71.613	0.017
71.630	0.024	71.649	0.011	71.671	-0.001	71.689	-0.018
71.704	-0.018	71.725	-0.002	71.735	-0.014	71.752	-0.030
71.768	-0.010	71.787	0.014	71.802	0.026	71.820	0.002
71.851	0.018	71.878	-0.002	71.903	0.002	71.924	-0.010
71.950	0.010	71.969	-0.002	71.995	0.014	72.024	-0.002
72.054	0.006	72.078	-0.010	72.101	0.013	72.145	0.007
72.164	0.010	72.187	0.013	72.206	0.012	72.229	-0.009
72.261	-0.006	72.288	-0.006	72.305	-0.026	72.320	-0.038
72.341	0.002	72.357	0.002	72.380	-0.010	72.399	-0.006
72.424	0.014	72.443	0.011	72.468	-0.000	72.489	-0.004
72.512	-0.015	72.524	-0.015	72.548	0.010	72.565	0.005
72.586	0.005	72.609	0.000	72.639	0.019	72.674	-0.005
72.709	0.026	72.735	0.010	72.794	0.010	72.813	-0.006
72.839	-0.022	72.863	-0.010	72.887	-0.026	72.911	-0.006
72.950	0.007	72.985	-0.004	73.015	0.013	73.028	0.006
73.052	-0.011	73.075	0.005	73.097	0.004	73.119	-0.001
73.143	-0.010	73.173	0.002	73.203	0.003	73.221	0.012
73.247	0.001	73.268	0.013	73.300	-0.010	73.322	0.009
73.354	0.008	73.381	-0.012	73.407	0.003	73.435	-0.021
73.465	0.002	73.490	-0.006	73.516	-0.005	73.537	-0.017
73.569	0.012	73.609	0.013	73.627	0.013	73.651	0.002
73.679	0.011	73.703	-0.008	73.723	-0.003	73.745	-0.022
73.760	0.003	73.778	0.020	73.807	-0.007	73.825	0.006
73.844	0.023	73.863	0.008	73.883	0.021	73.903	0.002
73.922	-0.014	73.942	0.011	73.954	0.004	73.979	-0.023
73.989	-0.023	74.018	0.017	74.032	0.021	74.058	0.008
74.091	0.008	74.109	-0.001	74.128	0.019	74.146	0.006
74.168	-0.006	74.188	-0.006	74.209	0.006	74.226	-0.006
74.244	-0.014	74.263	-0.030	74.273	-0.022	74.298	-0.002
74.314	0.002	74.329	-0.006	74.345	-0.018	74.362	0.002
74.383	0.026	74.393	0.030	74.401	0.018	74.418	-0.006
74.435	0.006	74.448	0.022	74.460	0.030	74.472	0.014
74.495	0.010	74.506	0.009	74.521	0.005	74.539	0.012
74.563	0.002	74.591	-0.007	74.605	-0.020	74.618	-0.029
74.637	-0.014	74.652	-0.007	74.663	-0.007	74.688	0.027
74.712	0.002	74.741	0.031	74.754	0.011	74.773	-0.016
74.787	-0.003	74.808	0.022	74.819	0.022	74.843	-0.005
74.864	-0.004	74.885	0.005	74.907	0.006	74.927	-0.002
74.948	0.005	74.969	-0.011	74.997	0.008	75.012	0.012
75.042	0.052	75.051	0.043	75.067	0.019	75.086	0.023
75.114	0.006	75.145	0.034	75.179	-0.004	75.194	0.004
75.213	0.027	75.233	0.026	75.255	0.030	75.267	0.015
75.294	-0.036	75.309	-0.048	75.326	-0.035	75.347	-0.011
75.363	0.026	75.377	0.030	75.399	0.010	75.435	-0.026

75.448	-0.034	75.477	0.010	75.501	0.002	75.523	0.022
75.536	0.010	75.559	-0.042	75.567	-0.042	75.591	0.011
75.601	0.012	75.622	-0.015	75.644	0.023	75.660	0.004
75.681	-0.023	75.709	0.018	75.728	0.011	75.751	0.023
75.768	0.020	75.786	-0.008	75.812	-0.031	75.828	-0.031
75.850	0.010	75.865	0.026	75.880	0.039	75.892	0.020
75.913	-0.015	75.931	-0.010	75.943	-0.013	75.968	-0.032
75.977	-0.028	76.007	0.017	76.022	0.030	76.040	0.026
76.073	0.010	76.085	-0.002	76.100	-0.018	76.127	0.026
76.131	0.022	76.157	0.006	76.179	0.014	76.201	-0.027
76.217	0.001	76.245	0.005	76.266	0.016	76.293	-0.008
76.330	0.031	76.344	0.034	76.374	0.018	76.389	0.006
76.425	-0.037	76.446	-0.029	76.467	-0.008	76.499	-0.004
76.531	0.025	76.548	0.005	76.580	-0.022	76.601	-0.021
76.663	-0.016	76.688	-0.008	76.712	0.009	76.734	-0.011
76.757	-0.002	76.784	-0.015	76.814	0.001	76.839	-0.012
76.877	0.011	76.894	-0.009	76.914	-0.034	76.943	0.017
76.958	0.005	76.986	-0.004	77.022	-0.032	77.055	-0.041
77.091	0.018	77.109	-0.009	77.127	-0.045	77.150	-0.012
77.176	0.005	77.198	0.049	77.218	0.014	77.235	-0.013
77.261	-0.013	77.279	-0.040	77.298	0.004	77.317	0.033
77.343	-0.010	77.365	-0.026	77.379	-0.026	77.410	0.034
77.429	0.042	77.451	-0.002	77.480	-0.038	77.504	-0.002
77.534	0.034	77.561	-0.026	77.584	-0.034	77.603	-0.038
77.620	-0.006	77.638	0.030	77.668	0.002	77.687	-0.018
77.712	-0.030	77.735	0.006	77.754	0.038	77.779	0.006
77.800	-0.006	77.815	-0.006	77.839	-0.002	77.867	0.010
77.901	0.024	77.907	0.023	77.930	0.014	77.955	0.013
77.978	0.003	78.003	0.006	78.022	0.005	78.044	0.004
78.073	0.002	78.097	0.026	78.118	0.015	78.146	-0.009
78.175	-0.000	78.195	-0.000	78.226	0.008	78.252	0.009
78.274	0.017	78.297	0.026	78.316	0.026	78.345	0.010
78.369	-0.002	78.387	-0.006	78.421	0.030	78.454	0.018
78.475	0.038	78.497	0.014	78.513	0.002	78.542	0.018
78.566	0.018	78.591	0.030	78.628	-0.002	78.646	0.026
78.667	0.022	78.685	0.006	78.710	0.006	78.741	0.010
78.768	0.018	78.801	0.010	78.832	0.021	78.860	0.001
78.887	0.004	78.906	0.004	78.924	0.004	78.952	0.011
78.973	0.011	79.004	0.010	79.036	-0.002	79.061	-0.010
79.101	0.002	79.126	0.010	79.151	0.006	79.180	0.026
79.209	0.010	79.243	0.018	79.282	0.030	79.316	0.018
79.339	0.006	79.366	0.006	79.393	0.006	79.413	0.018
79.429	0.022	79.454	0.014	79.482	0.018	79.509	-0.002
79.535	-0.006	79.563	0.014	79.592	0.014	79.610	0.014
79.642	0.038	79.672	0.030	79.685	0.014	79.705	-0.002
79.739	-0.002	79.760	0.014	79.780	0.038	79.810	0.026
79.831	0.022	79.859	0.022	79.870	0.022	79.888	0.022
79.909	0.022	79.923	0.022	79.956	0.010	79.982	0.010
80.002	0.014	80.029	0.030	80.050	0.014	80.085	0.030
80.111	-0.002	80.141	0.018	80.167	0.030	80.197	0.006
80.229	0.042	80.264	0.018	80.301	0.038	80.330	0.026
80.351	0.013	80.376	0.021	80.392	0.009	80.413	0.009
80.434	0.008	80.452	0.008	80.485	-0.021	80.526	0.023
80.548	0.018	80.577	-0.006	80.603	0.005	80.633	0.033
80.659	0.016	80.685	-0.004	80.712	-0.000	80.737	0.023
80.767	0.031	80.800	0.002	80.821	0.006	80.858	0.014

80.882	0.026	80.910	0.010	80.948	0.002	80.978	0.034
81.004	0.014	81.035	-0.006	81.064	-0.022	81.085	-0.006
81.103	0.014	81.131	0.002	81.153	-0.010	81.182	0.006
81.207	0.014	81.237	0.010	81.259	0.006	81.283	-0.002
81.303	0.002	81.329	0.002	81.353	0.014	81.367	0.014
81.389	0.014	81.420	0.018	81.446	0.014	81.467	0.014
81.488	0.006	81.502	0.006	81.531	0.014	81.559	0.006
81.587	0.006	81.604	0.014	81.620	0.015	81.643	0.011
81.666	0.003	81.693	-0.008	81.710	0.004	81.729	0.012
81.748	0.008	81.772	0.005	81.798	0.017	81.823	0.022
81.845	0.022	81.872	0.026	81.891	0.022	81.913	0.022
81.933	0.022	81.953	0.026	81.982	0.034	82.006	0.026
82.034	0.026	82.064	0.026	82.086	0.026	82.111	0.030
82.146	0.030	82.160	0.022	82.187	0.018	82.208	0.010
82.227	0.010	82.252	0.010	82.278	0.006	82.317	0.026
82.330	0.022	82.359	0.021	82.381	0.021	82.403	0.021
82.425	0.016	82.449	0.008	82.475	0.007	82.507	0.007
82.534	0.014	82.567	0.010	82.590	0.010	82.616	0.010
82.639	0.010	82.664	0.010	82.689	0.022	82.703	0.022
82.729	0.022	82.764	0.022	82.782	0.010	82.805	0.010
82.827	0.010	82.839	0.010	82.857	0.014	82.872	0.010
82.887	0.010	82.907	0.014	82.931	0.002	82.953	0.002
82.970	0.002	82.994	0.006	83.012	0.006	83.039	-0.002
83.067	0.014	83.089	0.022	83.115	0.026	83.138	0.026
83.155	0.018	83.179	0.018	83.193	0.018	83.209	0.018
83.229	0.018	83.244	0.018	83.265	0.018	83.283	0.018
83.298	0.018	83.329	0.026	83.356	0.006	83.381	0.001
83.404	0.008	83.423	0.011	83.443	0.011	83.460	0.010
83.478	0.009	83.500	0.009	83.520	0.008	83.541	0.007
83.560	0.014	83.576	0.010	83.593	0.006	83.607	0.005
83.628	0.009	83.650	0.017	83.675	0.012	83.695	0.008
83.720	0.016	83.742	0.007	83.761	0.003	83.774	0.007
83.795	0.007	83.832	0.014	83.859	0.014	83.880	0.010
83.916	0.010	83.944	0.018	83.970	0.010	83.997	0.010
84.021	0.010	84.051	0.014	84.081	0.025	84.111	0.012
84.134	0.015	84.164	0.015	84.187	0.014	84.211	0.013
84.236	0.012	84.261	0.007	84.279	0.007	84.305	0.010
84.323	0.010	84.338	0.010	84.360	0.014	84.382	0.014
84.400	0.014	84.423	0.014	84.451	0.014	84.472	0.018
84.489	0.018	84.508	0.014	84.534	0.010	84.557	0.010
84.575	0.010	84.593	0.010	84.614	0.010	84.625	0.010
84.648	0.010	84.669	0.010	84.681	0.010	84.691	0.010
84.706	0.010	84.721	0.006	84.739	0.006	84.759	0.006
84.786	0.006	84.805	0.006	84.831	0.005	84.857	0.013
84.879	0.013	84.896	0.012	84.919	0.012	84.931	0.012
84.947	0.008	84.965	0.007	84.986	0.007	85.008	0.011
85.024	0.011	85.043	0.006	85.052	0.002	85.080	0.010
85.105	0.010	85.132	0.014	85.157	0.014	85.180	0.002
85.201	0.014	85.220	0.006	85.250	0.018	85.283	0.014
85.308	0.014	85.334	0.018	85.355	0.018	85.379	0.011
85.401	0.007	85.421	-0.000	85.442	-0.000	85.469	0.024
85.486	0.021	85.498	0.021	85.515	0.017	85.533	0.021
85.543	0.022	85.570	0.021	85.591	0.016	85.611	0.011
85.637	-0.003	85.657	0.004	85.682	0.015	85.710	0.005
85.736	0.015	85.758	0.014	85.781	0.001	85.799	-0.000
85.819	0.010	85.845	-0.010	85.874	0.002	85.898	0.002

85.929	-0.002	85.985	-0.002	86.014	-0.006	86.040	-0.006
86.072	0.014	86.109	-0.010	86.140	-0.006	86.175	0.002
86.204	0.010	86.218	0.010	86.245	-0.006	86.265	-0.006
86.291	-0.006	86.307	-0.006	86.327	-0.006	86.352	-0.006
86.369	-0.006	86.403	-0.002	86.439	0.002	86.472	-0.002
86.506	0.002	86.533	0.002	86.560	0.002	86.596	0.002
86.626	-0.018	86.669	0.018	86.696	0.022	86.720	-0.006
86.746	-0.002	86.772	-0.002	86.797	-0.001	86.827	-0.000
86.860	-0.015	86.897	0.007	86.917	0.024	86.944	0.001
86.968	0.010	86.995	0.010	87.011	0.010	87.036	0.006
87.059	0.006	87.083	-0.002	87.101	-0.006	87.122	-0.006
87.137	-0.006	87.156	0.006	87.180	0.002	87.200	-0.010
87.233	0.010	87.261	0.010	87.284	0.002	87.306	-0.014
87.328	-0.002	87.351	0.015	87.377	0.015	87.399	0.012
87.421	0.004	87.443	-0.003	87.447	-0.019	87.448	-0.019
87.459	-0.011	87.481	-0.006	87.501	-0.002	87.512	0.006
87.536	0.006	87.565	0.010	87.598	0.010	87.631	0.022
87.656	-0.002	87.676	0.014	87.677	0.014	87.695	0.026
87.722	0.009	87.745	0.009	87.769	0.008	87.783	0.008
87.803	0.003	87.822	0.019	87.834	0.010	87.860	-0.010
87.869	-0.003	87.886	0.008	87.901	0.012	87.918	0.007
87.932	-0.002	87.943	0.002	87.956	0.002	87.970	0.006
87.979	0.006	87.989	0.014	88.000	0.022	88.014	0.010
88.023	0.014	88.039	0.014	88.051	0.006	88.062	0.002
88.070	-0.002	88.082	0.002	88.091	0.006	88.101	0.014
88.111	0.010	88.123	0.010	88.136	0.006	88.148	0.002
88.160	-0.006	88.172	-0.010	88.181	-0.006	88.188	-0.006
88.197	-0.002	88.209	0.010	88.227	0.010	88.241	0.010
88.256	0.006	88.269	0.002	88.281	0.007	88.290	0.015
88.299	0.011	88.310	0.011	88.322	0.015	88.335	0.019
88.347	0.019	88.360	0.016	88.376	0.008	88.393	0.008
88.402	0.008	88.413	0.008	88.425	0.012	88.438	0.017
88.451	0.021	88.462	0.021	88.473	0.021	88.482	0.021
88.493	0.021	88.501	0.017	88.513	0.017	88.518	0.010
88.535	0.010	88.549	0.014	88.565	0.022	88.581	0.026
88.591	0.030	88.602	0.030	88.613	0.026	88.628	0.014
88.640	0.022	88.651	0.026	88.663	0.030	88.674	0.030
88.685	0.026	88.697	0.022	88.709	0.026	88.719	0.038
88.728	0.038	88.738	0.034	88.746	0.022	88.755	0.014
88.770	0.006	88.779	0.010	88.789	0.010	88.798	0.014
88.807	0.018	88.816	0.022	88.828	0.014	88.843	0.010
88.856	0.006	88.864	0.010	88.877	0.014	88.890	0.018
88.902	0.026	88.917	0.018	88.931	0.018	88.943	0.018
88.956	0.022	88.968	0.022	88.981	0.018	88.996	0.006
89.004	0.006	89.014	0.006	89.025	0.010	89.038	0.014
89.052	0.014	89.067	0.014	89.081	0.006	89.092	0.010
89.104	0.014	89.116	0.018	89.125	0.022	89.137	0.022
89.150	0.018	89.163	0.010	89.177	0.014	89.190	0.018
89.205	0.022	89.216	0.018	89.230	0.014	89.243	0.010
89.253	0.002	89.263	0.002	89.274	0.006	89.287	0.010
89.299	0.022	89.310	0.018	89.323	0.010	89.331	0.002
89.339	0.002	89.349	0.010	89.364	0.014	89.377	0.014
89.398	0.010	89.414	0.010	89.431	0.014	89.446	0.014
89.465	0.010	89.481	0.006	89.495	0.006	89.512	0.010
89.526	0.014	89.538	0.014	89.556	0.010	89.572	0.010
89.583	0.018	89.596	0.026	89.604	0.018	89.622	0.014

89.638	0.014	89.650	0.010	89.668	0.009	89.688	0.013
89.702	0.009	89.716	0.001	89.726	-0.004	89.738	0.008
89.752	0.020	89.761	0.024	89.774	0.016	89.788	0.007
89.802	0.011	89.818	0.011	89.835	0.019	89.846	0.018
89.867	0.014	89.879	0.018	89.892	0.026	89.901	0.026
89.914	0.014	89.928	0.002	89.937	-0.002	89.949	0.002
89.959	0.006	89.976	0.010	89.983	0.014	89.994	0.006
90.012	0.002	90.026	0.010	90.040	0.010	90.054	0.006
90.067	0.006	90.079	0.010	90.092	0.014	90.109	0.018
90.124	0.022	90.137	0.018	90.152	0.010	90.171	0.010
90.189	0.010	90.207	0.010	90.222	0.010	90.233	0.010
90.243	0.014	90.257	0.030	90.274	0.030	90.285	0.022
90.310	0.006	90.328	0.010	90.361	0.034	90.386	0.018
90.405	0.030	90.431	0.038	90.453	0.026	90.477	0.010
90.493	0.006	90.518	0.018	90.550	-0.006	90.583	0.026
90.618	0.006	90.638	0.022	90.656	0.026	90.684	0.018
90.702	0.022	90.735	0.010	90.767	0.018	90.796	0.010
90.829	0.034	90.857	0.014	90.878	0.022	90.897	0.026
90.911	0.010	90.925	-0.002	90.942	0.022	90.963	0.029
90.986	0.029	91.005	0.024	91.019	0.024	91.037	0.035
91.054	0.027	91.072	0.011	91.098	0.034	91.121	0.014
91.143	0.002	91.160	0.010	91.181	0.022	91.201	0.026
91.219	0.026	91.233	0.026	91.247	0.014	91.264	0.002
91.277	-0.006	91.290	-0.006	91.303	0.005	91.318	0.029
91.329	0.049	91.344	0.040	91.361	0.036	91.374	0.032
91.388	0.020	91.408	-0.001	91.422	-0.017	91.437	-0.017
91.452	0.002	91.470	0.030	91.488	0.029	91.510	0.016
91.525	0.024	91.541	0.031	91.562	0.022	91.577	0.006
91.594	-0.008	91.607	-0.002	91.620	0.013	91.638	0.014
91.658	0.003	91.681	0.011	91.695	0.018	91.709	0.011
91.721	-0.005	91.735	-0.020	91.749	-0.028	91.767	-0.007
91.786	0.014	91.806	0.030	91.825	0.050	91.837	0.042
91.856	0.014	91.880	-0.018	91.899	-0.013	91.916	-0.004
91.940	0.005	91.961	0.017	91.983	0.026	91.999	0.030
92.015	0.022	92.034	0.002	92.049	-0.006	92.062	0.002
92.077	0.022	92.091	0.034	92.107	0.018	92.123	-0.002
92.137	-0.014	92.150	-0.002	92.173	0.014	92.191	0.022
92.219	0.014	92.246	0.010	92.259	0.002	92.276	-0.010
92.287	-0.010	92.309	0.026	92.322	0.038	92.335	0.030
92.354	0.014	92.377	0.006	92.401	0.002	92.419	-0.006
92.435	-0.010	92.454	0.006	92.465	0.014	92.482	0.002
92.501	0.002	92.520	-0.007	92.540	-0.011	92.554	0.000
92.568	0.008	92.592	0.007	92.602	0.014	92.616	0.026
92.627	0.026	92.640	0.022	92.652	0.014	92.665	0.002
92.677	0.002	92.691	0.006	92.704	0.010	92.717	0.014
92.730	0.014	92.749	0.010	92.766	0.010	92.784	0.010
92.802	0.014	92.820	0.010	92.833	0.018	92.848	0.026
92.863	0.010	92.879	0.002	92.899	-0.002	92.919	-0.002
92.932	0.002	92.948	0.010	92.963	0.018	92.977	0.023
92.991	0.015	93.005	0.003	93.020	-0.001	93.030	0.008
93.045	0.016	93.057	0.016	93.070	0.008	93.084	0.005
93.113	0.005	93.132	0.001	93.150	0.002	93.163	0.006
93.176	0.014	93.200	0.021	93.214	0.009	93.233	0.001
93.246	0.008	93.261	0.016	93.280	0.008	93.296	0.008
93.318	0.011	93.337	0.011	93.357	0.011	93.374	0.002
93.398	0.002	93.422	0.002	93.433	0.010	93.449	0.018

93.464	0.010	93.482	0.006	93.501	0.006	93.528	0.010
93.543	0.001	93.556	-0.003	93.574	-0.012	93.586	-0.008
93.601	-0.000	93.613	0.007	93.623	0.007	93.637	-0.001
93.649	-0.006	93.659	-0.006	93.672	-0.002	93.691	0.010
93.705	0.015	93.719	0.007	93.735	-0.001	93.764	-0.000
93.793	0.004	93.812	0.013	93.830	0.013	93.843	0.005
93.866	0.002	93.891	-0.002	93.908	0.006	93.931	0.014
93.951	0.002	93.975	-0.002	93.993	0.002	94.009	0.002
94.037	0.002	94.067	0.006	94.091	0.002	94.117	-0.002
94.138	0.002	94.164	0.002	94.193	0.010	94.224	0.010
94.252	0.010	94.271	0.006	94.290	0.014	94.313	0.010
94.335	0.006	94.357	0.010	94.383	0.014	94.407	0.002
94.427	-0.002	94.449	0.002	94.468	0.010	94.495	0.010
94.519	0.002	94.549	0.002	94.571	0.006	94.593	-0.002
94.607	-0.002	94.624	0.010	94.640	0.010	94.656	0.010
94.675	0.006	94.693	-0.002	94.711	-0.002	94.729	-0.010
94.751	-0.014	94.765	-0.006	94.781	0.002	94.797	0.002
94.813	0.002	94.826	0.002	94.847	-0.002	94.860	-0.002
94.883	0.002	94.895	0.002	94.914	-0.006	94.927	-0.006
94.946	-0.002	94.969	0.002	94.987	0.006	95.005	0.010
95.027	0.010	95.047	0.014	95.069	0.010	95.085	0.014
95.100	0.018	95.116	0.026	95.137	0.022	95.158	0.014
95.179	0.006	95.200	0.002	95.222	-0.002	95.242	0.002
95.257	0.014	95.275	0.010	95.306	0.014	95.331	0.010
95.346	0.014	95.364	0.018	95.385	0.010	95.407	0.010
95.438	0.010	95.464	0.010	95.492	0.010	95.512	0.010
95.534	0.010	95.562	0.010	95.580	0.014	95.600	0.026
95.613	0.026	95.631	0.014	95.652	0.010	95.677	0.014
95.695	0.001	95.716	0.001	95.745	-0.003	95.759	0.001
95.773	0.004	95.793	0.008	95.810	0.012	95.831	0.008
95.852	0.003	95.874	0.003	95.890	-0.001	95.908	0.007
95.928	0.014	95.945	0.014	95.959	0.006	95.977	0.002
95.991	0.001	96.008	0.013	96.021	0.017	96.044	0.016
96.065	0.011	96.085	0.015	96.104	0.006	96.123	0.002
96.145	0.010	96.169	0.014	96.185	0.014	96.200	0.006
96.220	0.002	96.236	0.014	96.248	0.022	96.265	0.017
96.284	0.009	96.303	0.005	96.324	0.008	96.337	0.000
96.355	0.008	96.375	0.011	96.397	0.007	96.421	0.006
96.451	0.006	96.481	0.013	96.494	0.005	96.522	-0.004
96.544	-0.012	96.567	-0.001	96.594	-0.006	96.617	-0.006
96.633	-0.002	96.648	0.003	96.672	-0.005	96.698	-0.008
96.716	0.000	96.734	0.005	96.748	0.001	96.766	-0.003
96.785	-0.010	96.802	-0.010	96.820	-0.002	96.839	0.002
96.855	0.002	96.870	0.006	96.886	0.002	96.906	-0.002
96.924	-0.002	96.945	-0.006	96.964	-0.006	96.979	-0.010
96.999	-0.006	97.023	-0.006	97.045	0.002	97.067	-0.002
97.086	0.002	97.107	-0.002	97.128	0.002	97.149	0.002
97.167	-0.002	97.192	-0.006	97.213	-0.010	97.228	-0.002
97.245	0.002	97.258	0.006	97.276	0.018	97.294	0.014
97.313	0.010	97.330	0.006	97.343	0.002	97.363	0.002
97.382	0.006	97.401	0.006	97.436	0.006	97.461	0.006
97.479	0.010	97.506	0.012	97.528	0.014	97.549	0.008
97.571	0.006	97.594	-0.003	97.610	-0.005	97.631	-0.010
97.648	-0.001	97.665	0.007	97.683	0.004	97.704	-0.007
97.723	-0.002	97.747	-0.005	97.777	-0.004	97.801	-0.003
97.822	0.002	97.849	0.002	97.878	0.002	97.905	0.006

97.934	0.006	97.956	0.010	97.982	0.014	98.006	0.018
98.032	0.018	98.048	0.022	98.062	0.014	98.081	0.002
98.093	0.002	98.112	0.014	98.129	0.014	98.156	0.002
98.170	0.006	98.187	0.014	98.205	0.014	98.229	0.006
98.249	0.010	98.275	0.010	98.303	0.010	98.338	0.014
98.353	0.014	98.378	0.014	98.402	0.022	98.424	0.018
98.445	0.015	98.470	0.011	98.491	0.020	98.516	0.020
98.540	0.020	98.568	0.021	98.608	0.022	98.636	0.025
98.678	0.020	98.713	0.015	98.740	0.026	98.758	0.018
98.797	0.014	98.845	0.014	98.881	0.014	98.903	0.018
98.929	0.002	98.962	0.034	99.004	0.014	99.040	0.010
99.095	0.011	99.140	0.000	99.177	0.013	99.320	0.010

IG109
71.023 2/9/71 0600 PST CIT MILLIKAN LIBRARY, 10 TH FL. NORTH

5345 POINTS 101.621 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.3999 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.079	0.020	0.127	0.035	0.099	0.060	0.014
0.085	0.091	0.100	0.100	0.121	0.007	0.137	-0.090
0.170	-0.151	0.195	-0.070	0.214	0.011	0.233	0.056
0.259	-0.045	0.282	-0.093	0.313	0.013	0.337	0.073
0.357	-0.036	0.374	-0.141	0.399	-0.092	0.425	-0.007
0.450	0.184	0.477	0.289	0.496	0.209	0.515	0.067
0.529	-0.022	0.558	0.023	0.570	0.039	0.603	0.161
0.626	-0.001	0.644	-0.082	0.683	0.019	0.712	0.020
0.736	-0.009	0.758	-0.009	0.774	-0.025	0.797	-0.077
0.821	-0.053	0.842	-0.170	0.863	-0.259	0.884	-0.166
0.909	0.016	0.928	0.016	0.953	-0.000	0.978	0.008
0.999	0.068	1.041	0.190	1.044	0.194	1.065	0.129
1.089	0.072	1.116	0.044	1.153	0.182	1.186	0.287
1.208	0.182	1.232	0.044	1.256	-0.069	1.286	-0.162
1.322	-0.098	1.352	-0.058	1.374	-0.147	1.395	-0.216
1.422	-0.123	1.449	-0.026	1.480	-0.136	1.509	0.042
1.536	0.188	1.553	0.118	1.581	-0.004	1.610	0.036
1.631	0.161	1.648	0.258	1.666	0.169	1.694	0.091
1.727	0.147	1.741	0.074	1.759	0.009	1.778	-0.011
1.790	-0.032	1.812	-0.040	1.836	-0.057	1.867	-0.001
1.892	-0.094	1.903	-0.147	1.938	-0.071	1.961	-0.103
1.987	-0.080	2.013	-0.137	2.034	-0.056	2.057	0.061
2.088	0.073	2.108	0.142	2.135	0.190	2.171	0.057
2.199	-0.045	2.229	0.125	2.252	0.214	2.281	0.283
2.300	0.234	2.321	0.024	2.341	-0.146	2.364	-0.069
2.395	-0.029	2.419	-0.102	2.435	-0.191	2.452	-0.239
2.472	-0.182	2.493	-0.130	2.515	-0.227	2.529	-0.287
2.550	-0.235	2.573	-0.170	2.599	-0.036	2.621	0.057
2.640	-0.048	2.654	-0.108	2.674	-0.015	2.697	0.139
2.729	0.127	2.759	0.212	2.785	0.233	2.809	0.237
2.838	0.266	2.858	0.165	2.874	0.085	2.907	0.106
2.937	0.029	2.962	-0.011	2.991	-0.148	3.009	-0.241
3.025	-0.164	3.046	-0.071	3.071	-0.152	3.092	-0.204
3.117	-0.176	3.148	-0.127	3.168	-0.082	3.193	-0.070
3.212	-0.102	3.244	0.035	3.270	0.169	3.285	0.221
3.306	0.197	3.335	0.193	3.363	0.290	3.389	0.399
3.416	0.342	3.445	0.265	3.467	0.196	3.491	0.160
3.524	0.176	3.539	0.074	3.564	-0.181	3.581	-0.306
3.606	-0.375	3.627	-0.444	3.663	-0.387	3.685	-0.456
3.721	-0.392	3.756	-0.089	3.780	0.089	3.805	0.117

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
3.832	0.161	3.853	0.144	3.890	0.354	3.914	0.330
3.944	0.447	3.971	0.515	3.997	0.462	4.015	0.421
4.030	0.267	4.044	0.113	4.062	-0.000	4.089	0.076
4.106	0.109	4.124	0.104	4.148	0.068	4.175	-0.086
4.200	-0.038	4.224	0.014	4.254	0.054	4.274	-0.087
4.298	-0.439	4.309	-0.504	4.329	-0.520	4.356	-0.690
4.389	-0.690	4.440	-0.418	4.477	0.055	4.498	0.452
4.512	0.727	4.526	0.840	4.547	0.598	4.565	0.270
4.578	0.124	4.596	0.152	4.616	-0.159	4.628	-0.604
4.640	-0.977	4.651	-1.110	4.674	-0.774	4.681	-0.479
4.693	-0.123	4.705	0.290	4.723	0.634	4.735	0.780
4.759	0.848	4.787	1.176	4.808	1.597	4.833	1.864
4.848	1.658	4.864	1.293	4.880	0.824	4.895	0.354
4.907	-0.148	4.921	-0.609	4.937	-0.941	4.956	-1.168
4.973	-1.261	5.007	-1.043	5.029	-1.216	5.052	-1.427
5.070	-1.269	5.085	-0.990	5.098	-0.698	5.110	-0.512
5.125	-0.411	5.147	-0.577	5.168	-0.807	5.189	-0.455
5.203	0.043	5.215	0.597	5.226	1.055	5.239	1.423
5.261	1.706	5.285	1.532	5.303	1.334	5.331	1.160
5.347	1.257	5.367	1.366	5.391	0.985	5.404	0.528
5.420	-0.168	5.435	-0.767	5.446	-1.038	5.457	-1.160
5.480	-1.006	5.499	-0.852	5.523	-1.059	5.549	-1.387
5.572	-1.161	5.587	-0.679	5.600	-0.194	5.614	0.255
5.622	0.494	5.633	0.591	5.651	0.177	5.660	-0.231
5.670	-0.661	5.689	-0.960	5.715	-0.536	5.730	-0.148
5.754	0.269	5.769	0.402	5.787	0.548	5.800	0.799
5.812	1.122	5.824	1.450	5.832	1.725	5.839	1.935
5.857	2.154	5.876	1.887	5.890	1.462	5.898	1.053
5.910	0.348	5.918	-0.226	5.927	-0.858	5.934	-1.259
5.948	-1.615	5.967	-1.271	5.980	-0.680	5.996	-0.166
6.009	0.235	6.022	0.372	6.035	0.130	6.049	-0.271
6.064	-0.497	6.080	-0.348	6.092	-0.040	6.100	0.191
6.115	0.333	6.135	0.001	6.143	-0.205	6.163	-0.476
6.185	-0.201	6.197	0.030	6.210	0.220	6.230	0.314
6.249	0.180	6.267	-0.147	6.287	-0.325	6.300	-0.252
6.319	0.198	6.334	0.615	6.349	0.907	6.366	1.090
6.383	0.819	6.396	0.273	6.407	-0.290	6.416	-0.735
6.425	-1.070	6.438	-1.272	6.467	-0.928	6.483	-0.689
6.498	-0.592	6.534	-0.635	6.565	-0.348	6.595	-0.044
6.615	-0.136	6.629	-0.205	6.655	0.055	6.674	0.423

6.689	0.751	6.707	0.962	6.724	0.747	6.740	0.298
6.756	-0.159	6.768	-0.544	6.783	-0.847	6.801	-0.976
6.832	-0.721	6.850	-0.284	6.867	0.218	6.881	0.724
6.895	1.153	6.914	1.574	6.931	1.404	6.946	0.845
6.958	0.437	6.969	0.174	6.981	0.097	7.000	0.238
7.026	0.441	7.047	0.190	7.061	-0.328	7.073	-0.895
7.085	-1.522	7.098	-1.935	7.111	-2.206	7.132	-1.903
7.151	-1.324	7.168	-0.611	7.181	0.077	7.192	0.663
7.200	1.096	7.208	1.461	7.219	1.784	7.232	1.975
7.247	1.833	7.277	1.647	7.300	1.768	7.322	1.865
7.346	1.424	7.361	0.963	7.382	0.615	7.409	0.728
7.431	0.469	7.443	-0.025	7.462	-0.935	7.477	-1.611
7.486	-2.024	7.501	-2.303	7.525	-2.008	7.546	-1.777
7.568	-2.085	7.586	-2.570	7.604	-2.740	7.625	-2.360
7.641	-1.737	7.651	-1.093	7.659	-0.632	7.673	-0.021
7.686	0.238	7.706	-0.089	7.721	-0.344	7.745	0.012
7.760	0.417	7.770	0.708	7.789	1.003	7.807	0.659
7.818	0.242	7.836	-0.219	7.857	0.238	7.865	0.639
7.874	1.279	7.884	1.849	7.893	2.355	7.905	2.873
7.923	3.306	7.938	2.982	7.949	2.335	7.958	1.784
7.967	1.331	7.977	1.084	8.000	1.554	8.013	2.100
8.031	2.367	8.049	1.999	8.064	1.181	8.075	0.595
8.084	0.125	8.095	-0.207	8.117	-0.656	8.135	-1.020
8.147	-1.393	8.159	-1.923	8.168	-2.376	8.174	-2.631
8.191	-2.878	8.218	-2.607	8.244	-2.254	8.257	-1.785
8.273	-1.287	8.285	-0.959	8.295	-0.830	8.316	-0.991
8.329	-1.117	8.367	-0.809	8.382	-0.676	8.405	-0.550
8.436	-0.469	8.455	-0.242	8.471	0.138	8.493	0.754
8.510	1.308	8.520	1.511	8.538	1.620	8.558	1.584
8.581	1.430	8.607	1.099	8.620	0.735	8.645	0.516
8.666	0.698	8.696	1.371	8.717	1.937	8.729	2.172
8.741	2.249	8.753	1.998	8.766	1.513	8.774	1.209
8.782	0.893	8.791	0.553	8.809	0.193	8.832	-0.203
8.849	-0.365	8.888	-0.098	8.914	0.105	8.935	-0.170
8.950	-0.518	8.962	-0.980	8.971	-1.174	8.987	-1.320
9.017	-1.000	9.033	-0.741	9.050	-0.558	9.064	-0.607
9.085	-0.866	9.104	-1.149	9.121	-1.218	9.146	-1.153
9.186	-0.768	9.212	-0.404	9.227	-0.173	9.247	-0.019
9.271	-0.177	9.289	-0.290	9.304	-0.234	9.331	0.106
9.348	0.471	9.368	0.827	9.390	1.037	9.416	1.171
9.435	1.025	9.452	0.718	9.463	0.374	9.477	-0.249
9.489	-0.856	9.498	-1.184	9.514	-1.378	9.541	-0.816
9.562	-0.176	9.584	0.427	9.607	0.653	9.642	0.479
9.660	0.556	9.688	0.949	9.704	1.147	9.719	1.212
9.744	0.969	9.771	0.682	9.797	0.710	9.822	0.504
9.845	0.071	9.869	-0.338	9.882	-0.572	9.899	-0.839
9.920	-0.904	9.949	-1.228	9.965	-1.653	9.975	-1.972
9.992	-2.167	10.015	-1.924	10.035	-1.313	10.047	-0.928
10.062	-0.422	10.080	-0.151	10.101	-0.381	10.117	-0.438
10.144	-0.228	10.166	0.189	10.184	0.566	10.204	0.716
10.220	0.497	10.235	0.368	10.253	0.250	10.271	0.404
10.289	0.894	10.306	1.335	10.317	1.522	10.330	1.574
10.341	1.469	10.369	0.636	10.382	0.300	10.401	0.110
10.415	0.204	10.445	0.759	10.465	1.026	10.495	0.982
10.514	0.711	10.531	0.590	10.575	0.684	10.596	0.519
10.627	0.091	10.650	-0.232	10.669	-0.308	10.699	-0.307

10.734	-0.387	10.763	-0.261	10.790	-0.115	10.818	-0.244
10.835	-0.474	10.848	-0.765	10.857	-0.927	10.864	-1.125
10.872	-1.295	10.883	-1.412	10.890	-1.452	10.900	-1.420
10.911	-1.339	10.921	-1.214	10.931	-1.072	10.938	-0.971
10.950	-0.845	10.962	-0.817	10.972	-0.862	10.982	-0.995
10.994	-1.149	11.000	-1.206	11.008	-1.214	11.015	-1.193
11.026	-1.125	11.038	-0.959	11.053	-0.724	11.069	-0.441
11.082	-0.157	11.097	0.171	11.112	0.527	11.127	0.822
11.143	1.069	11.154	1.198	11.161	1.292	11.169	1.324
11.176	1.336	11.185	1.308	11.197	1.247	11.208	1.162
11.218	1.105	11.224	1.097	11.239	1.121	11.254	1.162
11.266	1.214	11.277	1.291	11.288	1.416	11.300	1.481
11.311	1.489	11.322	1.473	11.333	1.331	11.345	1.117
11.358	0.797	11.372	0.420	11.385	0.056	11.393	-0.114
11.403	-0.228	11.415	-0.309	11.431	-0.357	11.444	-0.422
11.457	-0.540	11.479	-0.795	11.498	-1.058	11.516	-1.301
11.540	-1.540	11.559	-1.702	11.571	-1.796	11.579	-1.812
11.591	-1.776	11.600	-1.695	11.618	-1.440	11.639	-1.105
11.659	-0.834	11.680	-0.454	11.697	-0.119	11.712	0.112
11.729	0.297	11.742	0.374	11.760	0.426	11.782	0.498
11.802	0.571	11.820	0.655	11.837	0.784	11.850	0.861
11.863	0.889	11.874	0.868	11.891	0.759	11.906	0.637
11.921	0.580	11.930	0.604	11.942	0.672	11.956	0.802
11.971	0.927	11.982	0.963	11.996	0.927	12.017	0.769
12.035	0.534	12.055	0.320	12.073	0.085	12.094	-0.118
12.111	-0.251	12.125	-0.284	12.139	-0.252	12.157	-0.154
12.171	-0.069	12.185	-0.041	12.193	-0.077	12.207	-0.231
12.227	-0.704	12.242	-1.077	12.258	-1.356	12.273	-1.546
12.280	-1.574	12.292	-1.542	12.307	-1.400	12.322	-1.096
12.339	-0.825	12.360	-0.550	12.386	-0.327	12.410	-0.129
12.434	0.101	12.462	0.408	12.485	0.723	12.503	1.055
12.519	1.290	12.529	1.407	12.542	1.520	12.552	1.556
12.561	1.568	12.574	1.528	12.587	1.434	12.603	1.224
12.620	1.001	12.641	0.730	12.659	0.548	12.675	0.406
12.689	0.212	12.706	0.022	12.728	-0.144	12.752	-0.310
12.774	-0.464	12.795	-0.658	12.811	-0.840	12.823	-1.038
12.833	-1.111	12.841	-1.131	12.851	-1.119	12.870	-1.038
12.891	-0.888	12.912	-0.775	12.929	-0.645	12.945	-0.524
12.955	-0.483	12.974	-0.455	12.980	-0.471	12.995	-0.540
13.013	-0.621	13.035	-0.641	13.049	-0.650	13.062	-0.650
13.077	-0.606	13.091	-0.533	13.104	-0.396	13.125	-0.129
13.145	0.162	13.163	0.449	13.179	0.631	13.191	0.732
13.204	0.777	13.216	0.748	13.229	0.707	13.239	0.683
13.247	0.671	13.262	0.723	13.275	0.800	13.289	0.918
13.301	0.986	13.311	1.007	13.319	0.974	13.334	0.812
13.350	0.513	13.368	0.262	13.387	0.104	13.408	-0.014
13.426	-0.212	13.446	-0.422	13.463	-0.616	13.479	-0.863
13.490	-1.021	13.505	-1.126	13.519	-1.187	13.532	-1.235
13.545	-1.292	13.557	-1.369	13.565	-1.437	13.575	-1.441
13.590	-1.421	13.601	-1.381	13.616	-1.198	13.631	-0.947
13.649	-0.604	13.668	-0.223	13.687	0.117	13.708	0.469
13.726	0.853	13.745	1.205	13.758	1.379	13.769	1.476
13.782	1.525	13.793	1.512	13.805	1.448	13.817	1.350
13.826	1.261	13.839	1.193	13.861	1.107	13.883	1.034
13.907	0.917	13.927	0.767	13.945	0.613	13.960	0.471
13.972	0.301	13.994	-0.007	14.015	-0.311	14.035	-0.606

14.052	-0.861	14.068	-1.080	14.081	-1.201	14.090	-1.258
14.096	-1.282	14.105	-1.254	14.116	-1.181	14.126	-1.027
14.138	-0.768	14.152	-0.505	14.165	-0.335	14.172	-0.262
14.180	-0.246	14.189	-0.266	14.201	-0.351	14.207	-0.440
14.214	-0.534	14.219	-0.586	14.231	-0.598	14.237	-0.578
14.248	-0.497	14.255	-0.388	14.267	-0.190	14.279	0.090
14.291	0.381	14.303	0.632	14.316	0.895	14.327	1.073
14.339	1.187	14.355	1.248	14.372	1.276	14.381	1.268
14.393	1.252	14.408	1.240	14.421	1.260	14.434	1.313
14.447	1.382	14.460	1.414	14.474	1.366	14.486	1.248
14.498	1.090	14.511	0.843	14.527	0.495	14.540	0.192
14.556	-0.116	14.571	-0.412	14.588	-0.582	14.603	-0.687
14.619	-0.740	14.637	-0.736	14.660	-0.724	14.678	-0.712
14.691	-0.708	14.703	-0.732	14.720	-0.817	14.733	-0.894
14.749	-0.915	14.764	-0.878	14.776	-0.765	14.788	-0.612
14.801	-0.401	14.815	-0.171	14.825	-0.054	14.835	0.031
14.848	0.051	14.860	0.027	14.874	-0.050	14.885	-0.127
14.902	-0.273	14.913	-0.346	14.923	-0.403	14.932	-0.407
14.944	-0.359	14.955	-0.278	14.967	-0.152	14.977	-0.003
14.989	0.151	15.004	0.288	15.019	0.377	15.030	0.405
15.043	0.389	15.057	0.340	15.070	0.239	15.083	0.138
15.102	0.061	15.122	0.032	15.142	0.024	15.164	-0.025
15.187	-0.098	15.204	-0.183	15.217	-0.243	15.239	-0.252
15.257	-0.231	15.274	-0.195	15.291	-0.155	15.305	-0.143
15.320	-0.159	15.336	-0.248	15.356	-0.337	15.377	-0.423
15.399	-0.524	15.427	-0.683	15.448	-0.784	15.466	-0.825
15.483	-0.797	15.500	-0.721	15.512	-0.624	15.529	-0.503
15.543	-0.398	15.565	-0.317	15.587	-0.237	15.599	-0.168
15.620	-0.015	15.644	0.313	15.663	0.652	15.684	0.927
15.709	1.166	15.730	1.368	15.749	1.481	15.768	1.594
15.788	1.682	15.805	1.706	15.818	1.690	15.829	1.613
15.839	1.479	15.854	1.236	15.863	0.973	15.878	0.613
15.893	0.277	15.908	0.010	15.925	-0.221	15.945	-0.411
15.957	-0.593	15.972	-0.779	15.987	-0.997	16.002	-1.248
16.018	-1.446	16.031	-1.552	16.044	-1.592	16.059	-1.588
16.079	-1.576	16.095	-1.560	16.107	-1.548	16.119	-1.499
16.128	-1.410	16.140	-1.305	16.152	-1.155	16.167	-0.892
16.182	-0.657	16.197	-0.366	16.215	-0.143	16.236	0.100
16.263	0.383	16.290	0.646	16.313	0.868	16.335	1.107
16.352	1.220	16.369	1.256	16.395	1.240	16.419	1.199
16.439	1.134	16.460	1.012	16.481	0.801	16.503	0.498
16.522	0.246	16.542	-0.069	16.564	-0.434	16.581	-0.640
16.596	-0.802	16.613	-0.867	16.635	-0.916	16.649	-0.908
16.665	-0.887	16.686	-0.920	16.707	-0.936	16.734	-0.908
16.757	-0.843	16.779	-0.745	16.805	-0.567	16.829	-0.348
16.851	-0.060	16.878	0.276	16.905	0.568	16.923	0.722
16.942	0.803	16.965	0.824	16.983	0.837	16.998	0.886
17.016	0.939	17.031	0.955	17.049	0.935	17.064	0.887
17.082	0.778	17.100	0.621	17.117	0.456	17.142	0.298
17.157	0.153	17.178	-0.077	17.199	-0.336	17.221	-0.538
17.243	-0.683	17.260	-0.760	17.280	-0.772	17.299	-0.787
17.320	-0.876	17.340	-0.916	17.359	-0.929	17.386	-0.896
17.417	-0.832	17.439	-0.723	17.460	-0.582	17.478	-0.404
17.495	-0.214	17.509	0.004	17.526	0.182	17.540	0.279
17.550	0.303	17.564	0.287	17.579	0.254	17.592	0.307
17.609	0.387	17.622	0.528	17.637	0.694	17.653	0.920

17.668	1.069	17.679	1.134	17.693	1.174	17.705	1.153
17.716	1.096	17.729	1.031	17.742	1.019	17.759	1.051
17.778	1.071	17.791	1.054	17.803	0.985	17.823	0.791
17.845	0.500	17.873	0.164	17.898	-0.136	17.934	-0.476
17.964	-0.706	17.995	-0.897	18.021	-1.026	18.040	-1.087
18.060	-1.111	18.077	-1.070	18.098	-0.997	18.114	-0.940
18.131	-0.875	18.144	-0.859	18.158	-0.769	18.174	-0.607
18.195	-0.360	18.216	-0.117	18.239	0.086	18.270	0.284
18.287	0.426	18.303	0.592	18.320	0.822	18.337	1.012
18.352	1.150	18.362	1.203	18.372	1.219	18.385	1.219
18.404	1.130	18.419	1.057	18.434	1.029	18.450	1.033
18.463	1.021	18.477	0.964	18.490	0.863	18.505	0.664
18.524	0.336	18.542	0.029	18.559	-0.222	18.574	-0.344
18.587	-0.368	18.603	-0.389	18.616	-0.474	18.635	-0.652
18.654	-0.947	18.677	-1.247	18.691	-1.441	18.704	-1.478
18.715	-1.449	18.735	-1.344	18.756	-1.231	18.772	-1.166
18.789	-1.069	18.818	-0.896	18.845	-0.625	18.873	-0.293
18.910	0.160	18.938	0.557	18.964	1.047	18.983	1.334
18.995	1.472	19.013	1.537	19.025	1.520	19.041	1.480
19.060	1.472	19.077	1.488	19.095	1.500	19.113	1.480
19.125	1.411	19.143	1.221	19.164	0.852	19.184	0.472
19.211	0.030	19.238	-0.314	19.259	-0.553	19.284	-0.808
19.306	-1.047	19.324	-1.140	19.341	-1.205	19.359	-1.218
19.386	-1.210	19.407	-1.186	19.429	-1.138	19.446	-1.057
19.465	-0.919	19.490	-0.669	19.512	-0.430	19.545	-0.220
19.570	0.019	19.599	0.363	19.625	0.715	19.645	0.873
19.661	0.918	19.675	0.882	19.696	0.837	19.711	0.878
19.727	0.959	19.742	1.023	19.756	1.032	19.768	0.987
19.791	0.809	19.813	0.490	19.841	0.202	19.873	0.033
19.897	-0.194	19.922	-0.582	19.945	-0.918	19.967	-1.140
19.987	-1.197	20.005	-1.189	20.019	-1.192	20.044	-1.196
20.065	-1.160	20.077	-1.091	20.089	-0.982	20.105	-0.751
20.130	-0.330	20.158	0.079	20.180	0.298	20.199	0.444
20.225	0.638	20.246	0.857	20.268	1.181	20.283	1.306
20.297	1.351	20.314	1.318	20.335	1.246	20.352	1.197
20.372	1.226	20.384	1.230	20.404	1.133	20.420	1.011
20.444	0.736	20.467	0.396	20.499	0.040	20.524	-0.215
20.550	-0.507	20.570	-0.786	20.593	-1.025	20.613	-1.143
20.637	-1.196	20.662	-1.233	20.682	-1.282	20.697	-1.310
20.715	-1.278	20.732	-1.161	20.752	-0.926	20.786	-0.517
20.811	-0.278	20.834	-0.068	20.865	0.224	20.899	0.613
20.930	0.921	20.957	1.136	20.975	1.230	20.998	1.271
21.020	1.251	21.038	1.179	21.052	1.090	21.072	0.908
21.100	0.576	21.134	0.180	21.168	-0.184	21.203	-0.572
21.230	-0.823	21.247	-0.924	21.269	-0.993	21.290	-1.029
21.315	-1.094	21.335	-1.127	21.355	-1.127	21.369	-1.086
21.391	-0.961	21.407	-0.795	21.432	-0.561	21.453	-0.370
21.469	-0.217	21.487	-0.063	21.503	0.160	21.525	0.387
21.548	0.578	21.570	0.701	21.595	0.774	21.618	0.824
21.647	0.914	21.671	0.943	21.682	0.944	21.692	0.872
21.701	0.788	21.710	0.696	21.716	0.640	21.727	0.544
21.737	0.439	21.746	0.371	21.761	0.308	21.772	0.260
21.781	0.224	21.792	0.168	21.807	0.079	21.817	0.031
21.827	-0.058	21.838	-0.147	21.848	-0.236	21.861	-0.336
21.871	-0.385	21.882	-0.438	21.890	-0.470	21.900	-0.482
21.914	-0.446	21.935	-0.397	21.945	-0.377	21.959	-0.325

21.972	-0.317	21.986	-0.288	21.992	-0.264	22.003	-0.240
22.010	-0.183	22.021	-0.094	22.030	-0.021	22.037	0.039
22.042	0.084	22.047	0.120	22.054	0.165	22.060	0.201
22.069	0.246	22.080	0.266	22.092	0.306	22.106	0.331
22.123	0.391	22.133	0.448	22.141	0.476	22.150	0.521
22.161	0.557	22.171	0.573	22.186	0.561	22.202	0.509
22.215	0.469	22.228	0.416	22.242	0.340	22.255	0.267
22.269	0.198	22.281	0.134	22.292	0.061	22.302	-0.008
22.313	-0.089	22.326	-0.165	22.337	-0.202	22.352	-0.230
22.361	-0.258	22.370	-0.303	22.382	-0.388	22.391	-0.432
22.401	-0.469	22.412	-0.525	22.421	-0.542	22.432	-0.558
22.444	-0.558	22.463	-0.525	22.474	-0.481	22.480	-0.461
22.489	-0.428	22.501	-0.404	22.515	-0.424	22.525	-0.445
22.536	-0.473	22.548	-0.481	22.562	-0.445	22.579	-0.409
22.585	-0.352	22.596	-0.292	22.610	-0.223	22.625	-0.167
22.646	-0.122	22.662	-0.086	22.683	-0.018	22.700	0.023
22.718	0.088	22.733	0.148	22.749	0.217	22.763	0.282
22.778	0.371	22.789	0.420	22.799	0.452	22.810	0.488
22.820	0.505	22.829	0.517	22.843	0.517	22.856	0.484
22.867	0.448	22.879	0.408	22.890	0.359	22.904	0.323
22.917	0.307	22.933	0.307	22.951	0.311	22.966	0.319
22.982	0.323	22.995	0.323	23.008	0.295	23.022	0.230
23.035	0.145	23.049	0.056	23.063	-0.045	23.072	-0.114
23.087	-0.138	23.109	-0.134	23.124	-0.130	23.146	-0.138
23.159	-0.170	23.175	-0.191	23.190	-0.239	23.202	-0.296
23.216	-0.336	23.223	-0.369	23.232	-0.377	23.244	-0.397
23.257	-0.369	23.272	-0.333	23.286	-0.264	23.304	-0.175
23.312	-0.118	23.325	-0.034	23.332	0.035	23.338	0.072
23.346	0.116	23.354	0.161	23.365	0.181	23.375	0.181
23.387	0.144	23.402	0.091	23.414	0.047	23.423	0.006
23.439	0.006	23.449	0.067	23.460	0.115	23.469	0.156
23.478	0.221	23.484	0.253	23.493	0.289	23.503	0.293
23.514	0.281	23.530	0.184	23.542	0.079	23.553	-0.031
23.563	-0.095	23.569	-0.140	23.575	-0.168	23.584	-0.144
23.598	-0.087	23.617	-0.038	23.628	-0.006	23.638	0.014
23.642	0.023	23.659	0.023	23.677	0.019	23.690	0.039
23.704	0.059	23.716	0.067	23.730	0.072	23.739	0.072
23.754	0.064	23.771	0.007	23.783	-0.033	23.795	-0.049
23.814	-0.008	23.827	0.048	23.839	0.105	23.849	0.170
23.862	0.211	23.872	0.259	23.890	0.292	23.899	0.316
23.921	0.316	23.941	0.324	23.960	0.337	23.974	0.345
23.995	0.353	24.011	0.337	24.025	0.280	24.031	0.276
24.041	0.235	24.059	0.207	24.079	0.194	24.095	0.182
24.112	0.153	24.130	0.104	24.148	0.063	24.168	0.006
24.180	-0.026	24.195	-0.067	24.211	-0.116	24.229	-0.137
24.244	-0.154	24.262	-0.150	24.279	-0.146	24.291	-0.119
24.304	-0.111	24.316	-0.123	24.331	-0.193	24.344	-0.238
24.353	-0.298	24.361	-0.331	24.376	-0.348	24.389	-0.324
24.406	-0.276	24.423	-0.223	24.442	-0.175	24.461	-0.135
24.478	-0.115	24.493	-0.075	24.511	-0.039	24.528	-0.015
24.545	0.001	24.558	-0.007	24.575	-0.024	24.586	-0.032
24.602	0.025	24.614	0.065	24.626	0.109	24.636	0.150
24.646	0.166	24.657	0.186	24.675	0.185	24.692	0.169
24.710	0.165	24.725	0.152	24.748	0.144	24.767	0.144
24.783	0.135	24.801	0.114	24.815	0.053	24.832	0.004
24.843	-0.032	24.860	-0.061	24.880	-0.074	24.902	-0.091

24.922	-0.091	24.937	-0.059	24.947	-0.031	24.971	0.049
24.986	0.077	25.000	0.105	25.017	0.109	25.036	0.120
25.048	0.152	25.068	0.216	25.083	0.297	25.092	0.337
25.104	0.377	25.114	0.405	25.123	0.413	25.138	0.397
25.153	0.332	25.165	0.279	25.180	0.242	25.197	0.249
25.209	0.257	25.224	0.273	25.239	0.289	25.251	0.277
25.263	0.233	25.264	0.200	25.276	0.156	25.288	0.067
25.302	-0.042	25.314	-0.131	25.323	-0.192	25.332	-0.237
25.347	-0.265	25.361	-0.285	25.377	-0.273	25.392	-0.265
25.407	-0.253	25.426	-0.232	25.437	-0.244	25.452	-0.260
25.467	-0.284	25.488	-0.324	25.500	-0.340	25.512	-0.352
25.527	-0.324	25.545	-0.287	25.559	-0.266	25.575	-0.246
25.592	-0.225	25.605	-0.196	25.622	-0.143	25.641	-0.106
25.651	-0.090	25.662	-0.078	25.674	-0.069	25.683	-0.053
25.698	-0.052	25.708	-0.052	25.725	-0.007	25.744	0.042
25.761	0.071	25.776	0.052	25.791	0.056	25.813	0.073
25.826	0.057	25.838	0.049	25.853	0.025	25.862	0.025
25.879	0.070	25.894	0.106	25.912	0.131	25.927	0.147
25.939	0.167	25.950	0.180	25.966	0.172	25.981	0.172
25.995	0.159	26.004	0.151	26.011	0.175	26.023	0.211
26.032	0.259	26.044	0.267	26.056	0.315	26.065	0.339
26.074	0.335	26.086	0.310	26.101	0.229	26.113	0.164
26.124	0.140	26.134	0.111	26.149	0.095	26.169	0.103
26.182	0.131	26.192	0.151	26.207	0.143	26.214	0.159
26.230	0.110	26.245	0.041	26.262	0.004	26.278	-0.053
26.300	-0.101	26.326	-0.138	26.344	-0.163	26.369	-0.183
26.391	-0.204	26.418	-0.233	26.439	-0.257	26.461	-0.270
26.484	-0.278	26.500	-0.238	26.513	-0.206	26.525	-0.162
26.543	-0.090	26.564	-0.017	26.580	0.035	26.595	0.079
26.614	0.119	26.636	0.147	26.662	0.175	26.686	0.195
26.710	0.215	26.725	0.259	26.742	0.300	26.758	0.328
26.773	0.344	26.791	0.356	26.814	0.347	26.833	0.323
26.839	0.327	26.853	0.299	26.868	0.218	26.886	0.165
26.858	0.120	26.912	0.088	26.930	0.031	26.945	-0.026
26.962	-0.083	26.977	-0.132	26.990	-0.168	27.006	-0.205
27.022	-0.221	27.036	-0.242	27.053	-0.254	27.071	-0.258
27.083	-0.258	27.098	-0.242	27.113	-0.206	27.124	-0.141
27.139	-0.064	27.149	-0.024	27.157	0.001	27.168	0.021
27.177	0.033	27.191	0.021	27.209	0.013	27.227	-0.007
27.242	-0.007	27.257	0.006	27.274	0.042	27.294	0.111
27.307	0.160	27.319	0.201	27.334	0.221	27.348	0.229
27.363	0.213	27.381	0.169	27.388	0.148	27.399	0.104
27.411	0.076	27.423	0.039	27.441	0.027	27.457	0.047
27.474	0.072	27.493	0.092	27.510	0.108	27.525	0.095
27.540	0.071	27.557	0.010	27.576	-0.035	27.593	-0.072
27.607	-0.092	27.624	-0.088	27.641	-0.080	27.657	-0.052
27.673	-0.032	27.687	-0.023	27.702	-0.031	27.722	-0.060
27.738	-0.084	27.756	-0.100	27.779	-0.080	27.806	-0.047
27.814	-0.039	27.830	0.002	27.840	0.018	27.869	0.026
27.893	0.035	27.922	0.059	27.944	0.088	27.962	0.128
27.977	0.173	27.997	0.197	28.016	0.210	28.042	0.202
28.069	0.206	28.093	0.214	28.120	0.201	28.135	0.213
28.149	0.165	28.170	0.140	28.189	0.124	28.208	0.103
28.230	0.099	28.249	0.091	28.263	0.070	28.273	0.046
28.295	0.001	28.318	-0.032	28.345	-0.057	28.370	-0.073
28.390	-0.086	28.412	-0.106	28.437	-0.123	28.463	-0.139

28.482	-0.155	28.500	-0.160	28.517	-0.144	28.538	-0.107
28.563	-0.079	28.595	-0.039	28.617	-0.015	28.631	0.001
28.656	0.001	28.683	0.013	28.706	0.041	28.725	0.073
28.741	0.130	28.754	0.174	28.769	0.219	28.775	0.243
28.785	0.247	28.799	0.223	28.815	0.190	28.834	0.133
28.852	0.105	28.870	0.069	28.884	0.024	28.899	-0.021
28.917	-0.065	28.937	-0.085	28.960	-0.097	28.976	-0.121
28.994	-0.150	29.014	-0.194	29.025	-0.230	29.041	-0.246
29.060	-0.230	29.077	-0.201	29.097	-0.153	29.113	-0.136
29.130	-0.120	29.151	-0.083	29.163	-0.051	29.181	0.018
29.197	0.095	29.210	0.136	29.221	0.156	29.234	0.201
29.249	0.229	29.266	0.250	29.283	0.266	29.307	0.279
29.331	0.287	29.355	0.271	29.365	0.271	29.382	0.251
29.398	0.219	29.417	0.170	29.443	0.130	29.466	0.106
29.490	0.086	29.508	0.050	29.530	0.006	29.548	-0.047
29.565	-0.087	29.580	-0.131	29.598	-0.184	29.613	-0.208
29.644	-0.208	29.661	-0.155	29.678	-0.236	29.698	-0.272
29.712	-0.304	29.728	-0.316	29.752	-0.303	29.774	-0.222
29.794	-0.165	29.813	-0.112	29.830	-0.055	29.851	0.018
29.866	0.071	29.884	0.144	29.896	0.188	29.907	0.217
29.917	0.229	29.940	0.233	29.959	0.233	29.979	0.254
30.000	0.290	30.019	0.318	30.032	0.347	30.057	0.330
30.072	0.269	30.089	0.233	30.109	0.160	30.127	0.127
30.147	0.099	30.176	0.079	30.193	0.030	30.215	-0.034
30.232	-0.103	30.249	-0.147	30.266	-0.187	30.292	-0.187
30.318	-0.199	30.334	-0.191	30.358	-0.190	30.376	-0.158
30.399	-0.084	30.415	-0.044	30.430	0.017	30.442	0.058
30.457	0.067	30.476	0.063	30.484	0.063	30.499	0.063
30.515	0.080	30.529	0.113	30.540	0.149	30.554	0.182
30.564	0.198	30.576	0.207	30.591	0.203	30.615	0.167
30.634	0.135	30.657	0.094	30.676	0.058	30.693	0.022
30.709	0.022	30.732	0.015	30.747	-0.001	30.765	-0.030
30.792	-0.070	30.811	-0.110	30.829	-0.135	30.861	-0.134
30.889	-0.134	30.912	-0.134	30.927	-0.130	30.941	-0.098
30.957	-0.049	30.972	-0.008	30.981	0.024	30.993	0.037
31.020	0.045	31.042	0.045	31.064	0.054	31.087	0.070
31.107	0.119	31.124	0.168	31.137	0.200	31.151	0.205
31.169	0.177	31.188	0.117	31.205	0.052	31.213	0.024
31.221	-0.004	31.233	-0.012	31.250	0.025	31.263	0.054
31.275	0.094	31.284	0.095	31.299	0.091	31.317	0.055
31.336	-0.014	31.352	-0.033	31.378	-0.033	31.399	-0.020
31.414	-0.028	31.429	-0.056	31.449	-0.108	31.464	-0.165
31.486	-0.181	31.503	-0.189	31.525	-0.188	31.548	-0.184
31.569	-0.176	31.588	-0.151	31.611	-0.102	31.635	-0.050
31.649	-0.001	31.664	0.032	31.679	0.052	31.700	0.072
31.717	0.081	31.735	0.089	31.756	0.125	31.768	0.149
31.786	0.182	31.803	0.206	31.817	0.214	31.833	0.194
31.851	0.178	31.868	0.145	31.888	0.137	31.908	0.149
31.931	0.165	31.949	0.176	31.966	0.176	31.992	0.139
32.012	0.057	32.026	0.016	32.041	-0.013	32.058	-0.018
32.079	0.002	32.100	0.037	32.115	0.057	32.135	0.076
32.154	0.071	32.172	0.042	32.190	0.025	32.204	0.020
32.221	0.031	32.241	0.054	32.256	0.062	32.272	0.057
32.279	0.041	32.302	0.004	32.321	-0.000	32.341	-0.025
32.361	-0.038	32.375	-0.038	32.395	-0.064	32.412	-0.086
32.424	-0.074	32.442	-0.055	32.457	-0.023	32.469	-0.008

32.479	-0.008	32.487	-0.004	32.496	-0.029	32.507	-0.061
32.517	-0.073	32.526	-0.085	32.533	-0.110	32.545	-0.118
32.556	-0.097	32.566	-0.089	32.575	-0.073	32.586	-0.061
32.593	-0.045	32.609	-0.036	32.622	-0.044	32.634	-0.065
32.650	-0.089	32.663	-0.109	32.676	-0.121	32.696	-0.124
32.717	-0.112	32.732	-0.091	32.745	-0.075	32.764	-0.062
32.776	-0.050	32.786	-0.038	32.804	-0.037	32.815	-0.041
32.826	-0.045	32.843	-0.009	32.855	0.036	32.869	0.052
32.883	0.068	32.893	0.072	32.911	0.032	32.926	0.020
32.947	0.036	32.968	0.040	32.981	0.048	32.988	0.056
33.002	0.064	33.023	0.060	33.038	0.040	33.053	0.024
33.067	0.012	33.091	0.012	33.105	0.024	33.119	-0.004
33.135	-0.025	33.145	-0.045	33.156	-0.070	33.171	-0.110
33.191	-0.111	33.218	-0.103	33.235	-0.104	33.249	-0.096
33.262	-0.109	33.275	-0.117	33.291	-0.158	33.306	-0.122
33.322	-0.094	33.333	-0.038	33.352	0.015	33.361	0.044
33.370	0.068	33.390	0.101	33.406	0.109	33.416	0.125
33.432	0.141	33.448	0.154	33.457	0.113	33.468	0.053
33.480	0.021	33.490	-0.040	33.505	-0.076	33.517	-0.039
33.535	0.030	33.550	0.119	33.562	0.163	33.571	0.224
33.580	0.240	33.595	0.244	33.610	0.207	33.628	0.151
33.643	0.094	33.658	0.025	33.670	-0.016	33.685	-0.073
33.694	-0.109	33.717	-0.089	33.720	-0.085	33.733	-0.069
33.743	-0.045	33.751	-0.024	33.761	-0.037	33.774	-0.077
33.784	-0.121	33.795	-0.198	33.807	-0.291	33.816	-0.356
33.825	-0.416	33.834	-0.453	33.845	-0.485	33.854	-0.464
33.866	-0.416	33.877	-0.338	33.887	-0.261	33.892	-0.249
33.898	-0.200	33.904	-0.160	33.914	-0.127	33.927	-0.127
33.942	-0.139	33.955	-0.167	33.966	-0.155	33.980	-0.118
33.998	-0.061	34.016	0.003	34.029	0.076	34.039	0.137
34.048	0.222	34.056	0.263	34.064	0.291	34.074	0.303
34.084	0.295	34.100	0.234	34.112	0.182	34.124	0.113
34.135	0.081	34.144	0.036	34.155	0.012	34.167	0.036
34.179	0.060	34.188	0.101	34.198	0.129	34.209	0.149
34.221	0.133	34.236	0.089	34.249	0.028	34.264	0.016
34.287	0.004	34.304	-0.004	34.321	-0.012	34.331	-0.017
34.346	-0.037	34.353	-0.057	34.368	-0.065	34.381	-0.021
34.391	0.024	34.401	0.084	34.410	0.137	34.422	0.209
34.425	0.222	34.437	0.238	34.446	0.205	34.459	0.164
34.470	0.075	34.478	0.002	34.488	-0.072	34.496	-0.137
34.506	-0.161	34.514	-0.162	34.524	-0.126	34.538	-0.086
34.547	-0.046	34.557	-0.010	34.568	0.010	34.585	0.009
34.600	0.004	34.610	-0.000	34.625	0.011	34.640	0.027
34.652	0.034	34.664	0.034	34.676	0.025	34.694	0.005
34.695	-0.011	34.706	-0.016	34.720	-0.016	34.732	-0.016
34.749	-0.016	34.767	-0.029	34.784	-0.029	34.799	-0.021
34.814	-0.012	34.825	-0.000	34.841	-0.029	34.847	-0.077
34.862	-0.085	34.870	-0.085	34.878	-0.081	34.891	-0.069
34.901	-0.017	34.907	0.012	34.917	0.024	34.925	0.048
34.934	0.068	34.945	0.097	34.958	0.077	34.969	0.028
34.977	-0.004	34.985	-0.053	34.997	-0.073	35.007	-0.061
35.018	-0.017	35.028	0.024	35.041	0.077	35.050	0.101
35.059	0.121	35.071	0.125	35.080	0.113	35.090	0.072
35.098	0.007	35.111	-0.070	35.120	-0.147	35.128	-0.229
35.136	-0.265	35.147	-0.278	35.159	-0.270	35.168	-0.238
35.180	-0.194	35.186	-0.170	35.198	-0.142	35.209	-0.114

35.218	-0.086	35.227	-0.087	35.237	-0.103	35.252	-0.144
35.259	-0.185	35.270	-0.193	35.282	-0.157	35.293	-0.121
35.300	-0.093	35.310	-0.048	35.318	0.004	35.323	0.028
35.332	0.052	35.340	0.085	35.351	0.105	35.364	0.109
35.377	0.097	35.387	0.081	35.398	0.072	35.408	0.089
35.416	0.121	35.426	0.141	35.437	0.178	35.449	0.210
35.461	0.206	35.472	0.182	35.485	0.153	35.497	0.121
35.509	0.097	35.521	0.093	35.540	0.093	35.554	0.093
35.574	0.093	35.587	0.081	35.600	0.064	35.618	0.024
35.633	-0.004	35.646	-0.029	35.656	-0.061	35.668	-0.097
35.681	-0.142	35.694	-0.178	35.709	-0.178	35.729	-0.178
35.744	-0.191	35.755	-0.223	35.765	-0.251	35.783	-0.292
35.788	-0.340	35.801	-0.365	35.811	-0.340	35.830	-0.304
35.845	-0.267	35.856	-0.231	35.872	-0.231	35.893	-0.231
35.908	-0.191	35.920	-0.150	35.932	-0.085	35.944	-0.033
35.956	0.028	35.968	0.068	35.975	0.093	35.987	0.101
35.997	0.129	36.013	0.137	36.027	0.162	36.042	0.162
36.055	0.166	36.070	0.153	36.087	0.141	36.105	0.133
36.127	0.129	36.145	0.145	36.162	0.145	36.177	0.133
36.193	0.117	36.204	0.072	36.213	0.032	36.226	0.032
36.243	0.036	36.256	0.040	36.271	0.040	36.288	0.012
36.303	-0.025	36.319	-0.049	36.331	-0.106	36.344	-0.130
36.359	-0.146	36.374	-0.138	36.398	-0.126	36.416	-0.122
36.430	-0.142	36.449	-0.174	36.461	-0.191	36.478	-0.195
36.498	-0.170	36.509	-0.170	36.524	-0.158	36.540	-0.162
36.554	-0.170	36.569	-0.182	36.586	-0.142	36.598	-0.106
36.609	-0.037	36.629	-0.008	36.642	0.048	36.652	0.072
36.671	0.072	36.691	0.081	36.712	0.089	36.736	0.101
36.751	0.125	36.769	0.149	36.784	0.198	36.798	0.214
36.809	0.251	36.825	0.263	36.842	0.247	36.862	0.226
36.878	0.194	36.903	0.174	36.919	0.166	36.931	0.117
36.951	0.072	36.965	0.024	36.979	-0.008	36.997	-0.006
37.010	-0.017	37.027	-0.057	37.042	-0.138	37.057	-0.199
37.068	-0.247	37.087	-0.296	37.105	-0.284	37.120	-0.280
37.133	-0.276	37.147	-0.259	37.164	-0.272	37.180	-0.304
37.189	-0.324	37.203	-0.345	37.216	-0.304	37.230	-0.272
37.245	-0.187	37.257	-0.143	37.268	-0.090	37.277	-0.029
37.294	-0.009	37.310	0.023	37.325	0.051	37.343	0.071
37.356	0.115	37.369	0.159	37.381	0.212	37.390	0.236
37.404	0.244	37.415	0.260	37.427	0.276	37.440	0.280
37.460	0.280	37.474	0.279	37.497	0.279	37.506	0.267
37.525	0.198	37.541	0.153	37.557	0.093	37.575	0.036
37.594	-0.037	37.605	-0.077	37.626	-0.122	37.641	-0.174
37.659	-0.223	37.678	-0.308	37.698	-0.389	37.707	-0.421
37.717	-0.437	37.727	-0.450	37.749	-0.425	37.764	-0.381
37.773	-0.348	37.791	-0.324	37.808	-0.332	37.823	-0.332
37.836	-0.320	37.853	-0.247	37.880	-0.195	37.899	-0.093
37.920	-0.021	37.938	0.068	37.959	0.125	37.976	0.193
37.989	0.246	38.006	0.278	38.025	0.330	38.039	0.362
38.057	0.366	38.081	0.381	38.106	0.381	38.127	0.372
38.147	0.363	38.162	0.335	38.183	0.254	38.199	0.189
38.213	0.076	38.228	0.011	38.242	-0.054	38.258	-0.103
38.279	-0.127	38.286	-0.143	38.299	-0.143	38.311	-0.155
38.327	-0.191	38.340	-0.232	38.355	-0.268	38.366	-0.312
38.379	-0.361	38.390	-0.389	38.402	-0.405	38.415	-0.381
38.425	-0.344	38.441	-0.283	38.456	-0.223	38.467	-0.198

38.475	-0.158	38.487	-0.121	38.509	-0.117	38.526	-0.092
38.538	-0.044	38.547	-0.004	38.562	0.044	38.577	0.097
38.584	0.149	38.597	0.169	38.605	0.205	38.617	0.217
38.631	0.209	38.646	0.208	38.663	0.207	38.680	0.206
38.696	0.205	38.709	0.209	38.726	0.213	38.745	0.189
38.762	0.148	38.777	0.116	38.790	0.072	38.804	0.028
38.820	-0.005	38.837	-0.029	38.856	-0.036	38.878	-0.035
38.894	-0.087	38.910	-0.155	38.926	-0.195	38.941	-0.263
38.956	-0.295	38.971	-0.294	38.986	-0.273	39.000	-0.233
39.015	-0.220	39.035	-0.212	39.049	-0.216	39.065	-0.220
39.083	-0.203	39.099	-0.150	39.121	-0.089	39.140	-0.045
39.155	-0.012	39.173	0.004	39.191	0.016	39.207	0.020
39.222	0.040	39.245	0.085	39.266	0.121	39.287	0.125
39.303	0.162	39.322	0.186	39.340	0.186	39.358	0.186
39.376	0.178	39.394	0.162	39.412	0.141	39.430	0.117
39.453	0.085	39.468	0.052	39.484	0.016	39.505	-0.053
39.521	-0.085	39.537	-0.118	39.554	-0.154	39.568	-0.191
39.579	-0.219	39.593	-0.239	39.608	-0.247	39.629	-0.227
39.646	-0.182	39.660	-0.142	39.675	-0.114	39.689	-0.110
39.706	-0.114	39.725	-0.134	39.743	-0.126	39.762	-0.097
39.780	-0.069	39.799	-0.029	39.814	0.012	39.829	0.036
39.842	0.052	39.871	0.060	39.887	0.060	39.908	0.072
39.923	0.089	39.938	0.101	39.952	0.121	39.962	0.133
39.980	0.162	39.997	0.153	40.013	0.109	40.028	0.077
40.042	0.032	40.055	-0.000	40.067	-0.029	40.083	-0.053
40.105	-0.061	40.124	-0.061	40.150	-0.057	40.175	-0.057
40.175	-0.057	40.198	-0.061	40.222	-0.085	40.241	-0.081
40.262	-0.081	40.277	-0.106	40.292	-0.130	40.304	-0.118
40.321	-0.102	40.340	-0.077	40.364	-0.061	40.388	-0.049
40.409	-0.045	40.426	-0.041	40.460	-0.025	40.465	0.032
40.481	0.060	40.499	0.097	40.516	0.105	40.536	0.068
40.550	0.048	40.569	0.040	40.587	0.028	40.604	0.044
40.628	0.048	40.651	0.048	40.670	0.024	40.693	-0.029
40.709	-0.102	40.726	-0.138	40.760	-0.149	40.768	-0.141
40.796	-0.140	40.822	-0.139	40.852	-0.138	40.876	-0.145
40.895	-0.136	40.922	-0.119	40.942	-0.087	40.961	-0.054
40.984	-0.005	41.002	0.032	41.028	0.044	41.049	0.072
41.069	0.089	41.085	0.125	41.102	0.157	41.117	0.157
41.136	0.137	41.152	0.093	41.177	0.044	41.195	-0.000
41.219	-0.021	41.251	-0.020	41.274	-0.020	41.294	-0.048
41.317	-0.064	41.332	-0.109	41.345	-0.137	41.366	-0.145
41.393	-0.128	41.416	-0.099	41.448	-0.082	41.472	-0.070
41.492	-0.070	41.514	-0.065	41.523	-0.029	41.543	-0.000
41.564	0.024	41.587	0.008	41.608	0.012	41.633	0.021
41.653	0.025	41.668	0.033	41.683	0.009	41.700	-0.027
41.720	-0.039	41.738	-0.018	41.754	0.023	41.772	0.067
41.788	0.088	41.805	0.084	41.828	0.060	41.843	-0.001
41.857	-0.029	41.878	-0.013	41.900	-0.009	41.926	-0.021
41.951	-0.042	41.976	-0.075	42.000	-0.096	42.024	-0.113
42.042	-0.097	42.063	-0.073	42.087	-0.090	42.108	-0.090
42.131	-0.087	42.150	-0.059	42.169	-0.027	42.181	0.014
42.197	0.026	42.224	0.035	42.246	0.059	42.264	0.083
42.284	0.104	42.303	0.105	42.323	0.101	42.342	0.070
42.378	0.063	42.407	-0.009	42.432	-0.028	42.467	-0.026
42.495	-0.032	42.523	-0.031	42.551	-0.030	42.573	-0.054
42.597	-0.086	42.620	-0.085	42.642	-0.078	42.664	-0.070

42.694	-0.079	42.713	-0.067	42.742	-0.068	42.762	-0.081
42.788	-0.086	42.814	-0.103	42.839	-0.108	42.863	-0.108
42.892	-0.104	42.918	-0.064	42.939	-0.036	42.958	-0.023
42.985	0.002	43.008	0.018	43.036	0.019	43.059	0.031
43.086	0.056	43.098	0.076	43.120	0.080	43.135	0.064
43.162	0.068	43.179	0.052	43.200	0.044	43.215	0.024
43.235	0.008	43.256	-0.000	43.274	-0.012	43.292	-0.020
43.306	-0.013	43.322	-0.018	43.332	-0.019	43.340	-0.022
43.348	-0.033	43.355	-0.031	43.359	-0.050	43.360	-0.049
43.372	-0.052	43.381	-0.031	43.389	-0.029	43.399	-0.021
43.407	-0.012	43.412	-0.012	43.421	-0.008	43.433	-0.000
43.445	-0.004	43.456	-0.000	43.464	-0.004	43.482	-0.000
43.491	0.012	43.496	0.016	43.507	0.037	43.516	0.041
43.525	0.053	43.539	0.045	43.558	0.037	43.572	0.009
43.583	0.013	43.584	0.013	43.601	-0.002	43.615	-0.002
43.633	0.006	43.647	0.003	43.673	-0.001	43.674	-0.001
43.694	-0.017	43.725	-0.033	43.745	-0.041	43.756	-0.053
43.784	-0.061	43.804	-0.065	43.822	-0.065	43.851	-0.069
43.874	-0.069	43.906	-0.048	43.923	-0.040	43.943	-0.016
43.952	-0.008	43.960	0.020	43.971	0.028	43.979	0.060
44.000	0.056	44.017	0.072	44.033	0.055	44.043	0.039
44.054	0.034	44.069	0.029	44.082	0.037	44.094	0.040
44.099	0.044	44.108	0.060	44.125	0.060	44.139	0.060
44.149	0.064	44.164	0.051	44.176	0.055	44.200	0.059
44.201	0.059	44.219	0.034	44.234	0.033	44.248	0.033
44.249	0.033	44.263	0.028	44.285	0.010	44.295	-0.015
44.312	-0.033	44.325	-0.050	44.344	-0.048	44.358	-0.041
44.368	-0.017	44.380	-0.001	44.397	0.015	44.423	0.011
44.434	-0.017	44.456	-0.011	44.478	0.003	44.499	0.012
44.522	0.057	44.539	0.057	44.567	0.062	44.588	0.091
44.612	0.124	44.632	0.112	44.644	0.108	44.664	0.101
44.677	0.089	44.693	0.065	44.714	0.041	44.733	0.046
44.746	0.035	44.768	0.023	44.778	0.024	44.778	0.020
44.795	0.012	44.806	0.001	44.824	-0.027	44.842	-0.047
44.862	+0.043	44.867	-0.051	44.897	-0.027	44.903	-0.011
44.918	-0.011	44.940	-0.011	44.953	-0.035	44.967	-0.051
44.983	-0.056	45.011	-0.061	45.029	-0.045	45.029	-0.049
45.038	-0.037	45.055	-0.030	45.080	-0.026	45.092	-0.023
45.103	-0.000	45.117	-0.005	45.124	0.010	45.140	0.041
45.159	0.044	45.175	0.043	45.187	0.039	45.196	0.027
45.215	0.031	45.236	0.032	45.249	0.028	45.267	0.037
45.285	0.037	45.298	0.033	45.323	0.014	45.342	0.010
45.359	-0.002	45.380	-0.001	45.387	-0.017	45.402	-0.013
45.414	-0.025	45.423	-0.033	45.424	-0.033	45.425	-0.053
45.446	-0.089	45.466	-0.133	45.478	-0.153	45.491	-0.169
45.515	-0.153	45.525	-0.145	45.533	-0.128	45.543	-0.104
45.557	-0.080	45.573	-0.051	45.591	-0.023	45.602	-0.002
45.617	-0.011	45.641	-0.003	45.662	0.062	45.688	0.098
45.697	0.118	45.712	0.130	45.731	0.167	45.746	0.219
45.757	0.231	45.774	0.231	45.797	0.223	45.820	0.211
45.830	0.183	45.842	0.163	45.858	0.143	45.866	0.139
45.893	0.111	45.911	0.099	45.924	0.074	45.932	0.042
45.942	0.010	45.966	-0.043	45.975	-0.088	45.996	-0.120
46.015	-0.125	46.027	-0.125	46.027	-0.125	46.049	-0.141
46.071	-0.153	46.079	-0.153	46.106	-0.166	46.135	-0.166
46.148	-0.146	46.172	-0.097	46.187	-0.093	46.203	-0.097

46.218	-0.077	46.227	-0.061	46.233	-0.049	46.243	-0.025
46.251	-0.017	46.273	0.016	46.288	0.040	46.306	0.068
46.317	0.068	46.329	0.068	46.344	0.077	46.359	0.093
46.370	0.126	46.382	0.146	46.387	0.150	46.394	0.170
46.403	0.195	46.417	0.195	46.423	0.195	46.431	0.195
46.441	0.187	46.456	0.167	46.468	0.155	46.473	0.156
46.487	0.123	46.497	0.116	46.512	0.100	46.534	0.104
46.549	0.084	46.567	0.060	46.583	0.048	46.600	0.024
46.610	0.003	46.619	-0.021	46.624	-0.025	46.634	-0.045
46.648	-0.061	46.649	-0.061	46.673	-0.069	46.684	-0.090
46.709	-0.110	46.721	-0.123	46.741	-0.123	46.758	-0.131
46.775	-0.131	46.804	-0.111	46.820	-0.090	46.839	-0.066
46.849	-0.062	46.875	-0.013	46.876	-0.017	46.906	0.024
46.921	0.056	46.945	0.065	46.961	0.077	46.958	0.121
47.028	0.157	47.048	0.148	47.065	0.136	47.087	0.107
47.116	0.093	47.150	0.070	47.185	0.048	47.209	0.013
47.230	-0.028	47.259	-0.073	47.301	-0.091	47.327	-0.107
47.349	-0.095	47.369	-0.107	47.392	-0.095	47.418	-0.095
47.441	-0.088	47.468	-0.065	47.486	-0.061	47.537	-0.011
47.562	0.023	47.592	0.029	47.628	0.046	47.643	0.061
47.663	0.098	47.697	0.138	47.727	0.113	47.733	0.113
47.758	0.089	47.797	0.042	47.825	0.018	47.853	-0.021
47.871	-0.061	47.897	-0.049	47.925	-0.060	47.964	-0.067
47.981	-0.112	47.994	-0.099	48.008	-0.091	48.024	-0.099
48.039	-0.099	48.054	-0.102	48.069	-0.098	48.080	-0.086
48.105	-0.057	48.122	-0.033	48.148	-0.000	48.170	0.024
48.187	0.032	48.203	0.048	48.217	0.052	48.230	0.072
48.255	0.076	48.272	0.084	48.290	0.092	48.323	0.059
48.359	0.042	48.374	0.038	48.402	0.053	48.426	0.052
48.444	0.003	48.465	0.011	48.484	0.027	48.499	0.035
48.526	0.050	48.551	0.022	48.573	-0.031	48.586	-0.035
48.604	-0.036	48.626	-0.020	48.636	-0.020	48.660	-0.025
48.683	-0.038	48.695	-0.054	48.713	-0.042	48.744	-0.039
48.772	-0.051	48.794	-0.063	48.821	-0.067	48.841	-0.063
48.857	-0.043	48.885	-0.038	48.913	-0.040	48.935	-0.068
48.957	-0.046	48.977	-0.029	49.015	0.015	49.038	0.028
49.062	0.028	49.090	0.028	49.117	0.008	49.146	-0.001
49.170	0.015	49.200	0.021	49.217	0.005	49.237	-0.004
49.256	-0.025	49.277	-0.034	49.288	-0.034	49.300	-0.043
49.313	-0.051	49.323	-0.043	49.331	-0.047	49.346	-0.080
49.361	-0.051	49.368	-0.051	49.377	-0.047	49.385	-0.043
49.391	-0.043	49.406	-0.039	49.420	-0.023	49.443	-0.027
49.460	-0.023	49.471	-0.051	49.496	-0.023	49.509	-0.019
49.545	-0.011	49.566	-0.011	49.587	-0.019	49.611	-0.007
49.620	0.001	49.648	0.022	49.648	0.022	49.666	0.038
49.680	0.047	49.702	0.063	49.712	0.063	49.730	0.063
49.765	0.064	49.788	0.100	49.811	0.097	49.840	0.089
49.862	0.089	49.883	0.048	49.911	0.036	49.940	0.024
49.960	0.008	49.975	0.008	49.991	0.008	50.009	0.004
50.048	-0.012	50.074	-0.021	50.093	-0.057	50.108	-0.025
50.121	-0.033	50.150	-0.041	50.166	-0.041	50.185	-0.033
50.210	-0.029	50.226	-0.000	50.266	0.012	50.298	0.040
50.343	0.056	50.368	0.048	50.374	0.048	50.382	0.048
50.391	0.048	50.391	0.048	50.420	0.064	50.440	0.085
50.468	0.064	50.496	0.056	50.515	0.048	50.528	0.024
50.540	0.008	50.554	0.008	50.582	-0.033	50.599	-0.033

50.617	-0.057	50.634	-0.057	50.663	-0.061	50.695	-0.073
50.699	-0.081	50.714	-0.081	50.732	-0.081	50.750	-0.118
50.785	-0.089	50.803	-0.093	50.818	-0.089	50.836	-0.025
50.848	-0.021	50.867	0.004	50.883	0.004	50.897	0.004
50.914	-0.008	50.938	0.012	50.949	0.049	50.963	0.053
50.981	0.081	50.999	0.086	51.024	0.082	51.041	0.074
51.057	0.066	51.075	0.046	51.096	0.030	51.116	0.010
51.125	-0.014	51.149	-0.022	51.170	-0.042	51.198	-0.050
51.222	-0.066	51.232	-0.074	51.243	-0.070	51.268	-0.078
51.287	-0.078	51.288	-0.078	51.325	-0.070	51.335	-0.082
51.344	-0.082	51.345	-0.086	51.363	-0.081	51.392	-0.057
51.418	-0.041	51.433	-0.037	51.447	-0.008	51.466	-0.017
51.473	-0.004	51.477	0.008	51.481	0.028	51.488	0.032
51.492	0.040	51.501	0.081	51.512	0.077	51.524	0.077
51.542	0.072	51.558	0.072	51.564	0.077	51.578	0.068
51.591	0.089	51.602	0.093	51.611	0.109	51.616	0.097
51.632	0.097	51.638	0.097	51.644	0.097	51.650	0.081
51.667	0.072	51.671	0.064	51.675	0.064	51.693	0.056
51.709	0.040	51.723	0.024	51.729	0.012	51.745	0.024
51.759	0.008	51.775	0.004	51.794	-0.012	51.807	-0.021
51.818	-0.037	51.840	-0.049	51.856	-0.065	51.870	-0.053
51.896	-0.017	51.914	-0.045	51.933	-0.049	51.957	-0.057
51.973	-0.069	51.979	-0.069	51.988	-0.045	51.997	-0.045
52.009	-0.041	52.013	-0.045	52.013	-0.045	52.014	-0.045
52.027	-0.021	52.034	-0.021	52.051	-0.021	52.060	-0.017
52.068	-0.012	52.088	-0.012	52.100	-0.012	52.115	0.008
52.128	-0.017	52.147	-0.012	52.148	-0.017	52.169	0.016
52.187	0.004	52.211	0.008	52.225	0.004	52.243	-0.000
52.266	0.012	52.292	-0.000	52.304	-0.017	52.325	-0.004
52.342	-0.017	52.360	-0.017	52.378	-0.021	52.391	-0.021
52.401	-0.021	52.410	-0.021	52.419	-0.041	52.430	-0.081
52.450	-0.073	52.463	-0.077	52.472	-0.089	52.489	-0.093
52.503	-0.093	52.511	-0.093	52.519	-0.093	52.530	-0.093
52.535	-0.093	52.540	-0.093	52.551	-0.102	52.560	-0.102
52.567	-0.102	52.573	-0.102	52.587	-0.106	52.608	-0.097
52.630	-0.085	52.641	-0.068	52.647	-0.048	52.658	-0.040
52.671	-0.027	52.683	-0.007	52.685	-0.007	52.694	0.006
52.704	0.010	52.724	0.051	52.741	0.047	52.761	0.052
52.774	0.056	52.797	0.077	52.812	0.070	52.824	0.074
52.838	0.079	52.857	0.076	52.871	0.085	52.892	0.082
52.911	0.082	52.920	0.078	52.937	0.059	52.963	0.051
52.978	0.023	52.997	0.019	53.010	0.007	53.027	0.014
53.053	-0.002	53.066	-0.019	53.083	-0.047	53.092	-0.043
53.101	-0.068	53.110	-0.068	53.131	-0.080	53.145	-0.048
53.158	-0.060	53.180	-0.052	53.192	-0.048	53.211	-0.053
53.226	-0.053	53.247	-0.037	53.258	-0.037	53.270	-0.008
53.284	0.004	53.294	0.020	53.305	0.028	53.314	0.036
53.334	0.056	53.351	0.044	53.368	0.056	53.382	0.056
53.398	0.060	53.410	0.060	53.440	0.060	53.465	0.048
53.479	0.032	53.495	0.016	53.508	0.016	53.523	-0.004
53.546	-0.021	53.565	-0.037	53.586	-0.049	53.605	-0.077
53.629	-0.069	53.645	-0.069	53.655	-0.069	53.673	-0.081
53.697	-0.093	53.730	-0.085	53.759	-0.045	53.782	-0.044
53.803	-0.042	53.821	-0.041	53.845	-0.047	53.855	-0.045
53.861	-0.044	53.875	-0.030	53.879	-0.029	53.886	-0.016
53.895	-0.006	53.903	-0.005	53.910	-0.005	53.918	-0.008

53.922	0.013	53.931	0.014	53.937	0.014	53.953	0.010
53.969	0.015	53.984	0.027	53.995	0.032	54.009	0.040
54.023	0.040	54.036	0.053	54.048	0.049	54.064	0.045
54.075	0.038	54.090	0.038	54.105	0.034	54.118	0.034
54.131	0.027	54.140	0.027	54.152	0.015	54.167	0.003
54.177	-0.005	54.188	-0.013	54.200	-0.021	54.210	-0.020
54.223	-0.016	54.233	-0.020	54.246	-0.020	54.256	-0.016
54.267	-0.007	54.282	-0.011	54.302	-0.015	54.315	-0.023
54.329	-0.018	54.340	-0.018	54.348	-0.022	54.364	-0.014
54.378	-0.009	54.393	0.007	54.408	0.011	54.422	0.011
54.440	0.007	54.452	0.011	54.464	0.007	54.478	0.003
54.493	0.011	54.505	0.019	54.521	0.023	54.536	0.043
54.548	0.027	54.561	0.039	54.575	0.055	54.586	0.051
54.596	0.039	54.607	0.035	54.619	0.039	54.631	0.034
54.646	0.026	54.660	0.018	54.671	0.018	54.686	0.009
54.702	0.009	54.715	0.001	54.730	0.001	54.741	-0.012
54.754	-0.020	54.771	-0.028	54.787	-0.041	54.804	-0.045
54.822	-0.045	54.838	-0.061	54.853	-0.049	54.865	-0.050
54.877	-0.054	54.888	-0.058	54.904	-0.062	54.925	-0.050
54.946	-0.034	54.964	-0.010	54.982	-0.006	54.999	-0.014
55.015	-0.006	55.033	0.010	55.048	0.018	55.063	0.046
55.078	0.046	55.096	0.066	55.109	0.070	55.126	0.066
55.138	0.066	55.146	0.062	55.155	0.066	55.166	0.058
55.183	0.070	55.195	0.079	55.207	0.074	55.218	0.074
55.233	0.074	55.245	0.066	55.258	0.074	55.276	0.066
55.288	0.078	55.300	0.073	55.312	0.069	55.326	0.077
55.338	0.065	55.348	0.069	55.362	0.056	55.374	0.056
55.384	0.048	55.399	0.040	55.417	0.039	55.432	0.023
55.449	0.023	55.467	0.002	55.485	-0.010	55.500	-0.019
55.519	-0.023	55.537	-0.036	55.554	-0.032	55.566	-0.036
55.583	-0.040	55.601	-0.060	55.612	-0.044	55.625	-0.049
55.638	-0.053	55.652	-0.057	55.667	-0.049	55.679	-0.057
55.690	-0.057	55.702	-0.061	55.715	-0.061	55.726	-0.065
55.738	-0.069	55.749	-0.069	55.759	-0.073	55.768	-0.061
55.778	-0.057	55.788	-0.057	55.798	-0.049	55.811	-0.053
55.826	-0.049	55.839	-0.033	55.853	-0.013	55.863	-0.025
55.875	-0.009	55.886	-0.001	55.901	0.003	55.910	0.010
55.923	0.014	55.939	0.022	55.951	0.030	55.965	0.026
55.979	0.034	55.991	0.046	56.007	0.033	56.022	0.045
56.035	0.036	56.048	0.044	56.063	0.044	56.081	0.039
56.099	0.027	56.114	0.006	56.126	0.014	56.136	0.014
56.152	0.017	56.165	0.005	56.181	0.005	56.198	-0.003
56.213	-0.016	56.230	-0.016	56.246	-0.032	56.267	-0.037
56.283	-0.037	56.298	-0.053	56.309	-0.053	56.326	-0.057
56.338	-0.045	56.350	-0.045	56.362	-0.045	56.373	-0.041
56.386	-0.029	56.398	-0.008	56.410	-0.029	56.424	-0.017
56.437	-0.012	56.446	-0.012	56.466	-0.004	56.481	-0.008
56.494	-0.012	56.517	-0.021	56.536	-0.012	56.551	0.004
56.566	0.012	56.581	0.012	56.593	0.028	56.607	0.023
56.620	0.027	56.637	0.023	56.654	0.027	56.670	0.026
56.683	0.030	56.699	0.034	56.713	0.038	56.730	0.050
56.748	0.049	56.758	0.045	56.774	0.041	56.788	0.044
56.803	0.048	56.814	0.040	56.826	0.048	56.843	0.043
56.859	0.043	56.871	0.055	56.886	0.047	56.897	0.055
56.911	0.055	56.924	0.054	56.938	0.042	56.950	0.042
56.963	0.038	56.977	0.046	56.992	0.029	57.004	0.005

57.014	-0.007	57.029	-0.015	57.043	-0.015	57.056	-0.015
57.069	-0.011	57.083	-0.011	57.097	-0.011	57.111	-0.027
57.126	-0.039	57.139	-0.047	57.156	-0.051	57.168	-0.047
57.177	-0.047	57.194	-0.051	57.207	-0.047	57.223	-0.035
57.235	-0.027	57.245	-0.034	57.258	-0.026	57.270	-0.018
57.279	-0.026	57.288	-0.022	57.302	-0.009	57.319	0.011
57.335	0.032	57.348	0.052	57.359	0.081	57.378	0.081
57.392	0.065	57.407	0.057	57.419	0.041	57.433	0.049
57.449	0.053	57.465	0.061	57.481	0.073	57.498	0.064
57.510	0.084	57.524	0.096	57.535	0.079	57.548	0.055
57.561	0.022	57.572	0.010	57.584	-0.015	57.596	-0.008
57.617	0.016	57.632	0.036	57.646	0.051	57.659	0.034
57.679	-0.007	57.693	-0.044	57.708	-0.073	57.721	-0.065
57.738	-0.058	57.752	-0.050	57.767	-0.071	57.782	-0.100
57.795	-0.112	57.811	-0.088	57.831	-0.052	57.850	-0.008
57.867	0.012	57.873	0.029	57.889	0.024	57.903	-0.004
57.918	-0.037	57.935	-0.053	57.950	-0.049	57.966	-0.029
57.977	-0.013	57.991	0.011	58.004	0.035	58.016	0.051
58.030	0.055	58.046	0.055	58.060	0.039	58.073	0.026
58.083	0.006	58.098	0.010	58.110	0.030	58.128	0.042
58.143	0.066	58.155	0.074	58.172	0.066	58.184	0.049
58.197	0.025	58.211	0.005	58.223	0.017	58.237	0.025
58.250	0.016	58.267	0.008	58.279	-0.016	58.292	-0.041
58.303	-0.061	58.316	-0.057	58.325	-0.069	58.337	-0.061
58.346	-0.057	58.363	-0.069	58.380	-0.053	58.392	-0.057
58.407	-0.069	58.422	-0.085	58.434	-0.089	58.452	-0.085
58.469	-0.061	58.486	-0.017	58.499	0.027	58.515	0.051
58.527	0.079	58.542	0.055	58.556	0.042	58.572	0.030
58.592	0.046	58.613	0.090	58.628	0.126	58.641	0.166
58.654	0.166	58.667	0.161	58.684	0.136	58.703	0.067
58.717	0.050	58.732	0.037	58.746	0.029	58.765	0.024
58.780	0.003	58.793	0.003	58.808	-0.006	58.823	-0.023
58.840	-0.056	58.855	-0.056	58.873	-0.068	58.889	-0.081
58.906	-0.057	58.919	-0.081	58.933	-0.085	58.952	-0.093
58.975	-0.089	58.992	-0.069	59.011	-0.041	59.025	-0.029
59.041	-0.009	59.054	-0.008	59.068	-0.008	59.083	-0.016
59.096	-0.008	59.108	-0.008	59.121	0.004	59.134	0.029
59.147	0.057	59.163	0.066	59.177	0.086	59.192	0.078
59.207	0.082	59.219	0.074	59.233	0.066	59.243	0.066
59.260	0.074	59.275	0.082	59.292	0.094	59.308	0.090
59.325	0.078	59.344	0.053	59.366	0.029	59.383	0.016
59.397	0.020	59.413	0.004	59.428	-0.009	59.445	-0.029
59.462	-0.054	59.481	-0.066	59.497	-0.054	59.512	-0.066
59.526	-0.066	59.544	-0.075	59.568	-0.063	59.585	-0.063
59.603	-0.035	59.619	-0.023	59.643	-0.019	59.663	0.018
59.675	0.005	59.689	0.013	59.702	0.025	59.723	0.045
59.740	0.049	59.754	0.045	59.766	0.049	59.784	0.050
59.801	0.046	59.818	0.046	59.829	0.042	59.847	0.042
59.863	0.034	59.876	0.026	59.886	0.026	59.900	0.014
59.912	0.010	59.926	-0.010	59.943	-0.010	59.952	-0.026
59.965	-0.038	59.978	-0.050	59.996	-0.070	60.016	-0.082
60.037	-0.086	60.053	-0.094	60.067	-0.094	60.083	-0.086
60.098	-0.098	60.113	-0.090	60.125	-0.086	60.138	-0.086
60.151	-0.082	60.163	-0.061	60.176	-0.053	60.193	-0.029
60.205	-0.013	60.218	-0.004	60.229	0.004	60.243	0.012
60.264	0.020	60.282	0.028	60.297	0.024	60.314	0.044

60.328	0.036	60.349	0.052	60.365	0.064	60.378	0.060
60.391	0.060	60.408	0.056	60.424	0.052	60.440	0.036
60.457	0.036	60.469	0.036	60.484	0.036	60.498	0.032
60.509	0.020	60.525	0.024	60.542	-0.012	60.561	-0.024
60.576	-0.028	60.591	-0.024	60.606	-0.044	60.622	-0.036
60.638	-0.044	60.654	-0.056	60.665	-0.052	60.676	-0.052
60.689	-0.060	60.703	-0.052	60.720	-0.060	60.735	-0.055
60.751	-0.051	60.764	-0.055	60.780	-0.055	60.793	-0.047
60.808	-0.038	60.827	-0.022	60.845	0.010	60.866	0.023
60.883	0.047	60.902	0.039	60.921	0.059	60.937	0.047
60.953	0.068	60.970	0.072	60.989	0.072	61.005	0.076
61.025	0.068	61.040	0.063	61.055	0.059	61.071	0.043
61.090	0.031	61.112	0.023	61.128	0.011	61.141	0.023
61.153	0.002	61.168	-0.018	61.183	-0.034	61.198	-0.038
61.213	-0.059	61.225	-0.051	61.232	-0.043	61.247	-0.043
61.261	-0.055	61.273	-0.059	61.286	-0.063	61.295	-0.071
61.310	-0.071	61.322	-0.071	61.334	-0.062	61.346	-0.050
61.358	-0.038	61.370	-0.030	61.387	-0.013	61.401	-0.009
61.414	0.007	61.427	0.024	61.441	0.032	61.456	0.036
61.466	0.041	61.480	0.065	61.493	0.065	61.506	0.078
61.522	0.082	61.535	0.082	61.553	0.086	61.563	0.090
61.578	0.090	61.592	0.090	61.608	0.099	61.621	0.075
61.633	0.063	61.646	0.067	61.664	0.043	61.678	0.027
61.693	0.006	61.708	0.015	61.718	0.007	61.731	-0.006
61.746	-0.014	61.760	-0.026	61.773	-0.030	61.790	-0.038
61.809	-0.067	61.826	-0.075	61.843	-0.079	61.855	-0.092
61.875	-0.092	61.890	-0.084	61.907	-0.072	61.928	-0.064
61.942	-0.052	61.956	-0.044	61.970	-0.040	61.984	-0.031
61.999	-0.023	62.012	-0.023	62.023	-0.019	62.043	0.006
62.055	0.006	62.071	0.034	62.086	0.038	62.105	0.043
62.120	0.043	62.135	0.059	62.151	0.059	62.169	0.064
62.185	0.064	62.199	0.064	62.211	0.064	62.224	0.069
62.242	0.036	62.257	0.033	62.276	0.009	62.294	-0.007
62.311	-0.011	62.325	-0.011	62.341	-0.027	62.356	-0.038
62.374	-0.062	62.388	-0.078	62.408	-0.107	62.426	-0.107
62.440	-0.111	62.456	-0.107	62.475	-0.099	62.494	-0.095
62.511	-0.079	62.530	-0.075	62.549	-0.059	62.570	-0.030
62.589	-0.022	62.601	-0.002	62.617	-0.006	62.631	0.010
62.650	0.034	62.667	0.066	62.682	0.094	62.700	0.110
62.721	0.118	62.733	0.122	62.748	0.126	62.763	0.121
62.774	0.117	62.785	0.109	62.796	0.101	62.808	0.104
62.819	0.096	62.830	0.108	62.839	0.096	62.850	0.095
62.864	0.075	62.881	0.058	62.895	0.042	62.912	0.009
62.924	-0.023	62.942	-0.031	62.956	-0.040	62.969	-0.056
62.983	-0.060	62.995	-0.072	63.007	-0.084	63.025	-0.088
63.037	-0.088	63.052	-0.093	63.072	-0.088	63.095	-0.076
63.115	-0.064	63.135	-0.039	63.151	-0.015	63.163	-0.007
63.182	-0.007	63.198	0.014	63.217	0.038	63.235	0.062
63.255	0.082	63.272	0.082	63.288	0.090	63.305	0.094
63.325	0.090	63.343	0.086	63.363	0.085	63.381	0.077
63.402	0.060	63.423	0.052	63.438	0.039	63.459	0.026
63.476	0.022	63.491	0.005	63.508	-0.003	63.524	-0.020
63.539	-0.044	63.554	-0.045	63.571	-0.041	63.589	-0.058
63.609	-0.058	63.629	-0.074	63.646	-0.074	63.661	-0.077
63.674	-0.081	63.693	-0.049	63.709	-0.036	63.725	-0.024
63.743	-0.024	63.755	-0.011	63.772	-0.006	63.790	0.003

63.807	0.015	63.823	0.016	63.837	0.025	63.854	0.033
63.870	0.030	63.891	0.010	63.919	0.014	63.933	0.027
63.950	0.027	63.966	0.015	63.984	0.023	64.002	0.027
64.020	0.015	64.036	-0.001	64.050	-0.001	64.068	-0.005
64.088	-0.005	64.102	-0.018	64.114	-0.018	64.130	-0.022
64.150	-0.042	64.167	-0.046	64.183	-0.058	64.198	-0.050
64.213	-0.041	64.228	-0.037	64.246	-0.037	64.261	-0.041
64.277	-0.025	64.291	-0.025	64.304	-0.021	64.321	-0.001
64.337	0.019	64.356	0.023	64.370	0.027	64.387	0.043
64.406	0.055	64.425	0.055	64.442	0.079	64.460	0.078
64.472	0.082	64.486	0.086	64.499	0.086	64.515	0.090
64.525	0.098	64.541	0.082	64.559	0.081	64.577	0.061
64.592	0.049	64.610	0.040	64.625	0.012	64.648	0.004
64.666	-0.021	64.683	-0.025	64.703	-0.041	64.723	-0.041
64.741	-0.041	64.755	-0.053	64.772	-0.057	64.793	-0.065
64.813	-0.065	64.833	-0.057	64.856	-0.049	64.876	-0.037
64.885	-0.017	64.905	-0.009	64.916	0.003	64.928	0.011
64.943	0.019	64.954	0.007	64.963	0.023	64.974	0.027
64.987	0.035	64.995	0.039	65.007	0.043	65.020	0.055
65.033	0.051	65.048	0.051	65.065	0.047	65.085	0.038
65.103	0.038	65.124	0.026	65.139	0.026	65.153	0.018
65.167	0.010	65.182	0.010	65.199	-0.002	65.217	-0.010
65.230	-0.018	65.252	-0.030	65.271	-0.038	65.285	-0.042
65.307	-0.042	65.322	-0.046	65.341	-0.046	65.367	-0.050
65.387	-0.050	65.402	-0.050	65.429	-0.030	65.450	-0.017
65.470	-0.009	65.488	0.015	65.500	0.027	65.518	0.039
65.539	0.044	65.560	0.044	65.578	0.044	65.603	0.044
65.620	0.048	65.635	0.056	65.657	0.056	65.674	0.048
65.698	0.036	65.708	0.028	65.715	0.024	65.730	0.016
65.748	-0.004	65.764	-0.012	65.783	-0.012	65.800	-0.017
65.826	-0.033	65.844	-0.033	65.857	-0.033	65.878	-0.037
65.893	-0.037	65.904	-0.037	65.918	-0.037	65.942	-0.037
65.957	-0.033	65.974	-0.033	65.994	-0.029	66.014	-0.029
66.036	-0.025	66.053	-0.021	66.072	-0.017	66.096	-0.017
66.112	-0.017	66.133	-0.017	66.154	-0.008	66.170	0.004
66.188	0.020	66.206	0.020	66.228	0.016	66.244	-0.000
66.268	-0.012	66.291	-0.012	66.312	-0.012	66.335	-0.012
66.354	-0.012	66.369	-0.021	66.387	-0.029	66.405	-0.041
66.423	-0.049	66.452	-0.041	66.470	-0.033	66.488	-0.037
66.507	-0.033	66.526	-0.033	66.548	-0.033	66.567	-0.017
66.588	0.004	66.608	0.004	66.629	0.004	66.650	0.004
66.668	0.004	66.684	0.016	66.708	0.028	66.728	0.044
66.755	0.044	66.778	0.040	66.799	0.028	66.817	0.016
66.837	0.008	66.855	0.004	66.868	-0.004	66.885	-0.004
66.905	-0.008	66.921	-0.017	66.940	-0.017	66.955	-0.017
66.978	-0.000	67.008	0.004	67.030	0.016	67.054	0.020
67.078	0.028	67.102	0.032	67.120	0.032	67.141	0.032
67.165	0.040	67.191	0.032	67.215	0.028	67.237	0.016
67.257	0.008	67.275	-0.000	67.312	-0.008	67.320	-0.012
67.338	-0.017	67.356	-0.029	67.376	-0.025	67.396	-0.008
67.419	-0.008	67.441	0.008	67.465	0.016	67.494	0.024
67.518	0.024	67.537	0.024	67.553	0.024	67.575	0.024
67.597	0.024	67.621	0.016	67.641	0.016	67.662	0.016
67.683	0.012	67.701	0.004	67.718	-0.000	67.735	-0.012
67.758	-0.025	67.785	-0.025	67.795	-0.025	67.817	-0.025
67.841	-0.029	67.858	-0.029	67.873	-0.029	67.900	-0.008

67.919	0.008	67.943	0.020	67.971	0.024	68.006	0.040
68.026	0.040	68.051	0.040	68.077	0.040	68.100	0.048
68.124	0.040	68.152	0.028	68.174	0.016	68.196	-0.000
68.215	-0.004	68.237	-0.013	68.258	-0.029	68.277	-0.041
68.299	-0.054	68.319	-0.074	68.336	-0.094	68.355	-0.107
68.379	-0.103	68.411	-0.079	68.435	-0.063	68.456	-0.059
68.477	-0.051	68.493	-0.040	68.514	-0.020	68.534	0.008
68.555	0.016	68.576	0.028	68.603	0.044	68.627	0.047
68.655	0.051	68.684	0.050	68.714	0.050	68.741	0.046
68.766	0.042	68.789	0.038	68.810	0.038	68.822	0.029
68.835	0.009	68.852	-0.011	68.873	-0.036	68.891	-0.048
68.911	-0.060	68.933	-0.072	68.953	-0.080	68.977	-0.096
69.001	-0.103	69.027	-0.103	69.050	-0.078	69.071	-0.070
69.097	-0.053	69.116	-0.037	69.144	-0.016	69.171	-0.004
69.195	0.037	69.216	0.058	69.237	0.062	69.265	0.067
69.294	0.075	69.323	0.080	69.350	0.076	69.375	0.072
69.401	0.069	69.427	0.065	69.459	0.033	69.484	-0.003
69.513	-0.015	69.537	-0.023	69.560	-0.039	69.584	-0.056
69.611	-0.055	69.635	-0.055	69.660	-0.047	69.679	-0.039
69.699	-0.023	69.720	-0.006	69.744	0.018	69.766	0.042
69.783	0.058	69.802	0.066	69.831	0.074	69.848	0.078
69.867	0.077	69.889	0.077	69.909	0.073	69.928	0.081
69.950	0.073	69.976	0.036	69.996	-0.001	70.018	-0.017
70.039	-0.022	70.062	-0.030	70.084	-0.051	70.105	-0.075
70.129	-0.084	70.155	-0.084	70.175	-0.097	70.197	-0.097
70.221	-0.097	70.249	-0.073	70.276	-0.053	70.300	-0.024
70.322	-0.004	70.348	0.025	70.372	0.037	70.394	0.049
70.419	0.049	70.442	0.045	70.454	0.045	70.472	0.054
70.509	0.063	70.535	0.048	70.565	0.032	70.591	0.025
70.615	0.010	70.643	-0.001	70.666	-0.025	70.650	-0.044
70.710	-0.052	70.731	-0.072	70.755	-0.075	70.779	-0.087
70.758	-0.090	70.818	-0.094	70.841	-0.089	70.871	-0.068
70.905	-0.051	70.934	-0.022	70.959	-0.001	70.986	0.019
71.009	0.035	71.038	0.051	71.063	0.059	71.085	0.059
71.112	0.067	71.138	0.059	71.161	0.058	71.187	0.050
71.217	0.042	71.242	0.042	71.265	0.025	71.286	0.025
71.309	0.013	71.334	0.001	71.362	0.008	71.389	0.004
71.419	-0.000	71.445	-0.000	71.464	-0.000	71.484	0.008
71.506	0.012	71.535	0.008	71.560	-0.004	71.585	0.008
71.612	0.028	71.628	0.028	71.649	0.028	71.673	0.020
71.699	0.016	71.720	0.011	71.742	0.007	71.761	0.003
71.797	0.003	71.818	-0.010	71.851	-0.026	71.881	-0.034
71.899	-0.034	71.925	-0.035	71.949	-0.027	71.973	-0.027
71.997	-0.020	72.024	-0.016	72.051	-0.009	72.069	-0.005
72.098	0.014	72.122	0.026	72.149	0.050	72.172	0.057
72.202	0.057	72.227	0.056	72.248	0.056	72.273	0.039
72.296	0.039	72.318	0.030	72.337	0.030	72.361	0.013
72.387	0.005	72.407	-0.012	72.428	-0.024	72.466	-0.029
72.500	-0.045	72.522	-0.044	72.548	-0.040	72.583	-0.024
72.616	-0.011	72.638	-0.003	72.670	0.009	72.699	0.026
72.724	0.035	72.744	0.039	72.769	0.039	72.793	0.040
72.817	0.044	72.843	0.045	72.866	0.057	72.890	0.066
72.912	0.042	72.935	0.026	72.958	0.030	72.986	0.023
73.006	0.003	73.027	-0.017	73.054	-0.037	73.079	-0.016
73.117	-0.012	73.140	-0.027	73.162	-0.039	73.194	-0.023
73.214	-0.022	73.241	-0.018	73.263	-0.022	73.293	-0.014

73.322	0.023	73.355	0.035	73.381	0.036	73.413	0.040
73.448	0.028	73.475	0.019	73.505	0.011	73.540	0.003
73.568	-0.018	73.601	-0.026	73.626	-0.026	73.657	-0.031
73.680	-0.039	73.715	-0.044	73.746	-0.044	73.773	-0.045
73.806	-0.045	73.844	-0.042	73.870	-0.042	73.901	-0.006
73.941	0.001	73.973	0.013	74.006	0.025	74.040	0.033
74.063	0.033	74.086	0.033	74.105	0.033	74.129	0.032
74.148	0.036	74.182	0.036	74.210	0.033	74.237	0.025
74.256	0.025	74.290	0.026	74.313	0.010	74.338	0.010
74.364	0.019	74.396	0.027	74.413	0.032	74.447	-0.008
74.486	-0.060	74.517	-0.006	74.537	0.039	74.564	0.068
74.588	0.012	74.602	-0.044	74.621	-0.092	74.652	-0.034
74.667	0.003	74.697	0.065	74.721	0.029	74.750	0.001
74.775	0.042	74.807	0.083	74.817	0.087	74.843	0.043
74.870	-0.009	74.908	-0.041	74.937	-0.004	74.973	0.016
74.957	-0.008	75.023	-0.045	75.052	-0.085	75.083	-0.033
75.111	0.032	75.131	0.085	75.152	0.060	75.193	0.016
75.215	-0.000	75.240	0.052	75.273	0.081	75.309	0.032
75.333	0.032	75.344	0.032	75.387	0.081	75.414	0.020
75.430	-0.033	75.444	-0.053	75.469	-0.008	75.503	0.036
75.522	0.008	75.532	-0.012	75.546	-0.053	75.554	-0.081
75.565	-0.105	75.573	-0.101	75.581	-0.089	75.587	-0.089
75.608	-0.048	75.625	-0.016	75.648	-0.019	75.660	-0.027
75.682	-0.051	75.705	-0.031	75.732	0.026	75.755	0.083
75.774	0.107	75.788	0.075	75.806	0.023	75.834	-0.018
75.864	0.027	75.895	0.047	75.919	0.019	75.952	-0.021
75.977	-0.025	75.999	-0.017	76.018	-0.029	76.060	-0.061
76.077	-0.077	76.104	-0.090	76.122	-0.098	76.144	-0.085
76.171	-0.065	76.196	-0.057	76.222	-0.012	76.235	-0.008
76.258	0.024	76.282	0.016	76.296	-0.004	76.315	-0.017
76.339	0.004	76.357	0.044	76.385	0.081	76.404	0.060
76.428	0.044	76.455	0.044	76.476	0.032	76.501	0.020
76.522	0.020	76.543	0.020	76.568	0.008	76.595	-0.045
76.620	-0.077	76.639	-0.081	76.665	-0.081	76.689	-0.077
76.714	-0.073	76.732	-0.081	76.762	-0.110	76.786	-0.065
76.813	0.007	76.830	0.044	76.845	0.019	76.863	0.003
76.893	-0.021	76.919	0.051	76.939	0.108	76.955	0.128
76.984	0.112	77.004	0.108	77.026	0.099	77.053	0.095
77.075	0.050	77.088	0.001	77.108	-0.052	77.135	-0.020
77.161	0.016	77.184	-0.032	77.218	-0.102	77.247	-0.086
77.262	-0.082	77.273	-0.082	77.291	-0.082	77.311	-0.107
77.335	-0.107	77.349	-0.095	77.370	-0.035	77.393	0.017
77.415	0.013	77.433	0.009	77.454	0.001	77.471	0.021
77.488	0.069	77.504	0.122	77.526	0.154	77.546	0.130
77.563	0.093	77.582	0.069	77.605	0.073	77.626	0.089
77.649	0.105	77.671	0.056	77.694	-0.000	77.722	-0.057
77.752	-0.045	77.779	-0.036	77.807	-0.044	77.829	-0.085
77.854	-0.109	77.878	-0.097	77.909	-0.056	77.939	-0.028
77.965	-0.016	77.989	-0.004	78.005	0.000	78.038	0.033
78.060	0.057	78.083	0.053	78.101	0.036	78.127	0.020
78.154	0.064	78.189	0.117	78.213	0.064	78.248	-0.006
78.277	0.026	78.313	0.062	78.333	0.033	78.355	-0.016
78.378	-0.045	78.406	-0.066	78.423	-0.074	78.451	-0.074
78.471	-0.075	78.495	-0.067	78.520	-0.055	78.540	-0.051
78.560	-0.035	78.580	-0.031	78.608	-0.040	78.631	0.013
78.656	0.053	78.682	0.061	78.708	0.044	78.745	0.020

78.775	0.044	78.802	0.040	78.829	0.032	78.855	-0.000
78.882	-0.025	78.903	-0.045	78.924	-0.061	78.955	-0.037
78.981	-0.013	79.000	-0.005	79.030	-0.037	79.056	-0.078
79.076	-0.094	79.107	-0.078	79.132	-0.046	79.159	0.007
79.186	0.039	79.206	0.035	79.227	0.015	79.251	-0.002
79.283	0.030	79.314	0.066	79.349	0.103	79.373	0.058
79.398	0.013	79.425	-0.036	79.455	-0.040	79.482	-0.016
79.506	-0.004	79.532	-0.020	79.560	-0.053	79.592	-0.049
79.624	0.003	79.643	0.003	79.669	-0.013	79.689	-0.022
79.720	-0.001	79.756	0.043	79.781	0.039	79.812	0.015
79.838	0.015	79.889	0.047	79.918	0.007	79.936	-0.009
79.963	-0.009	79.983	-0.005	80.019	0.007	80.040	-0.022
80.070	-0.038	80.100	-0.022	80.132	0.007	80.162	-0.010
80.178	-0.042	80.202	-0.063	80.243	-0.007	80.280	0.033
80.302	-0.016	80.330	-0.049	80.355	-0.033	80.394	0.015
80.424	0.007	80.449	0.006	80.482	0.038	80.506	0.046
80.535	0.017	80.562	0.005	80.593	-0.007	80.628	-0.008
80.658	-0.020	80.688	-0.021	80.714	-0.029	80.747	-0.038
80.775	-0.042	80.803	-0.046	80.831	-0.018	80.862	0.018
80.888	0.022	80.914	0.017	80.939	0.025	80.966	0.069
80.992	0.101	81.017	0.092	81.047	0.079	81.071	0.062
81.104	0.066	81.132	0.053	81.158	0.020	81.186	-0.001
81.216	0.006	81.240	0.006	81.261	-0.031	81.297	-0.063
81.328	-0.060	81.363	-0.040	81.384	-0.036	81.421	-0.040
81.447	-0.000	81.480	0.032	81.504	0.032	81.528	0.012
81.558	0.032	81.585	0.048	81.608	0.044	81.639	0.028
81.671	0.020	81.702	0.020	81.728	0.020	81.756	0.000
81.777	-0.028	81.805	-0.036	81.832	-0.044	81.860	-0.044
81.898	-0.051	81.927	-0.051	81.956	-0.051	81.979	-0.051
82.003	-0.050	82.023	-0.050	82.043	-0.050	82.068	-0.033
82.093	-0.009	82.119	0.008	82.146	0.004	82.173	0.000
82.196	0.005	82.229	0.017	82.252	0.017	82.279	0.018
82.325	0.034	82.350	0.026	82.378	0.002	82.401	-0.006
82.426	-0.010	82.449	-0.009	82.456	-0.045	82.525	-0.052
82.545	-0.052	82.569	-0.064	82.589	-0.063	82.625	-0.059
82.653	-0.054	82.688	-0.013	82.721	0.016	82.766	0.025
82.801	0.046	82.845	0.063	82.880	0.063	82.911	0.055
82.931	0.055	82.961	0.031	82.994	-0.001	83.033	-0.029
83.073	-0.021	83.111	-0.053	83.149	-0.085	83.189	-0.045
83.230	-0.025	83.272	-0.004	83.302	0.012	83.332	0.048
83.362	0.052	83.388	0.052	83.422	0.052	83.454	0.061
83.497	0.037	83.533	0.001	83.569	-0.011	83.599	-0.039
83.622	-0.059	83.655	-0.075	83.694	-0.067	83.730	-0.074
83.762	-0.077	83.790	-0.049	83.827	-0.032	83.861	-0.019
83.890	-0.006	83.930	0.035	83.959	0.048	83.988	0.048
84.014	0.057	84.053	0.069	84.080	0.069	84.106	0.050
84.140	0.030	84.169	0.030	84.199	0.022	84.232	-0.003
84.263	-0.015	84.291	-0.011	84.318	-0.011	84.349	-0.023
84.376	-0.032	84.397	-0.028	84.415	-0.028	84.443	-0.012
84.479	0.021	84.508	0.021	84.539	0.028	84.565	0.028
84.595	0.049	84.619	0.052	84.637	0.048	84.660	0.020
84.680	0.004	84.698	-0.008	84.721	-0.012	84.743	-0.021
84.764	-0.029	84.782	-0.049	84.809	-0.073	84.841	-0.069
84.862	-0.065	84.891	-0.065	84.911	-0.061	84.942	-0.029
84.973	-0.004	85.002	-0.000	85.034	0.008	85.065	0.016
85.083	0.020	85.108	0.004	85.154	-0.021	85.195	-0.033

85.230	-0.049	85.261	-0.049	85.292	-0.049	85.325	-0.033
85.354	-0.029	85.389	-0.041	85.414	-0.041	85.440	-0.012
85.466	0.012	85.502	-0.004	85.538	0.008	85.579	0.032
85.613	0.028	85.646	0.012	85.681	0.028	85.714	0.028
85.749	0.020	85.773	0.024	85.805	0.028	85.835	0.021
85.868	0.013	85.889	0.013	85.912	0.013	85.939	0.013
85.967	-0.019	85.997	-0.022	86.022	-0.026	86.054	-0.001
86.078	-0.009	86.097	-0.025	86.130	-0.037	86.164	-0.037
86.193	-0.029	86.220	-0.017	86.248	-0.012	86.280	0.004
86.310	0.020	86.334	0.020	86.353	0.020	86.366	0.020
86.373	0.020	86.385	0.036	86.397	0.056	86.420	0.055
86.443	0.030	86.461	-0.006	86.474	-0.027	86.496	-0.036
86.513	-0.032	86.546	-0.016	86.560	-0.028	86.577	-0.036
86.598	-0.057	86.625	-0.041	86.654	-0.017	86.679	-0.045
86.703	-0.053	86.736	-0.057	86.762	-0.029	86.783	-0.021
86.806	-0.012	86.838	-0.000	86.862	-0.000	86.895	0.020
86.919	0.028	86.939	0.032	86.960	0.008	86.978	0.012
87.001	0.012	87.024	0.032	87.047	0.028	87.063	0.003
87.084	-0.005	87.109	-0.022	87.133	-0.018	87.154	-0.030
87.175	-0.030	87.199	-0.034	87.229	-0.047	87.256	-0.051
87.286	-0.043	87.310	-0.047	87.340	-0.048	87.367	-0.048
87.391	-0.024	87.417	-0.028	87.441	-0.028	87.466	-0.008
87.497	-0.012	87.518	-0.012	87.533	-0.004	87.559	0.008
87.578	0.021	87.599	0.017	87.624	0.017	87.644	-0.003
87.671	0.005	87.698	0.018	87.722	0.002	87.746	-0.006
87.776	-0.030	87.799	-0.026	87.821	-0.030	87.846	-0.046
87.864	-0.049	87.888	-0.041	87.915	-0.041	87.941	-0.045
87.970	-0.041	87.990	-0.041	88.015	-0.017	88.042	-0.000
88.069	0.004	88.098	0.016	88.126	0.016	88.149	0.032
88.168	0.048	88.193	0.048	88.216	0.028	88.249	0.008
88.276	0.024	88.305	0.032	88.333	0.016	88.359	-0.008
88.384	-0.041	88.408	-0.021	88.437	-0.012	88.470	-0.033
88.497	-0.037	88.526	-0.017	88.553	-0.004	88.575	-0.000
88.599	-0.029	88.629	-0.029	88.655	-0.004	88.680	-0.004
88.706	-0.008	88.734	-0.017	88.768	-0.004	88.806	-0.008
88.838	-0.008	88.864	-0.009	88.899	-0.009	88.924	-0.009
88.952	-0.009	88.985	-0.009	89.018	-0.022	89.058	-0.018
89.107	-0.015	89.138	-0.011	89.181	-0.016	89.208	-0.017
89.235	-0.001	89.268	-0.001	89.310	-0.001	89.334	0.007
89.367	0.015	89.400	0.007	89.429	-0.001	89.451	0.016
89.478	0.020	89.504	-0.011	89.537	-0.035	89.573	-0.030
89.600	-0.006	89.629	-0.030	89.660	-0.037	89.697	-0.041
89.733	-0.004	89.773	0.012	89.812	0.016	89.847	0.036
89.876	0.052	89.911	0.040	89.949	0.052	89.990	0.040
90.040	0.004	90.078	-0.012	90.123	-0.029	90.164	-0.057
90.209	-0.057	90.254	-0.061	90.292	-0.061	90.329	-0.037
90.365	-0.033	90.405	-0.037	90.443	-0.008	90.474	-0.008
90.512	-0.008	90.542	-0.012	90.583	-0.025	90.622	-0.025
90.665	-0.025	90.717	-0.021	90.745	-0.025	90.778	-0.033
90.810	-0.008	90.845	0.012	90.885	-0.017	90.911	-0.005
90.933	0.011	90.965	-0.013	90.987	-0.013	91.012	0.023
91.025	0.051	91.049	0.083	91.067	0.067	91.087	0.035
91.104	-0.002	91.124	-0.046	91.142	-0.018	91.161	0.018
91.176	0.067	91.202	0.099	91.219	0.070	91.236	0.034
91.248	-0.035	91.266	-0.087	91.286	-0.055	91.303	-0.014
91.327	0.018	91.351	-0.006	91.370	-0.006	91.392	-0.030

91.425	-0.014	91.450	-0.046	91.468	-0.062	91.492	-0.042
91.515	0.011	91.534	0.043	91.560	0.052	91.585	0.015
91.602	-0.017	91.629	-0.037	91.648	0.007	91.669	0.040
91.693	0.052	91.717	0.036	91.742	0.016	91.776	-0.004
91.795	0.004	91.819	0.008	91.847	-0.025	91.875	-0.025
91.898	-0.021	91.919	-0.033	91.934	-0.057	91.963	-0.081
91.985	-0.073	92.006	-0.041	92.030	-0.004	92.052	-0.025
92.073	-0.061	92.098	-0.093	92.120	-0.077	92.144	-0.029
92.174	-0.004	92.199	0.016	92.229	-0.000	92.245	-0.008
92.273	0.020	92.297	0.044	92.320	0.036	92.344	0.020
92.367	-0.004	92.391	-0.004	92.409	0.024	92.438	0.036
92.463	-0.000	92.490	-0.024	92.516	-0.065	92.542	-0.056
92.571	-0.040	92.593	-0.052	92.623	-0.064	92.643	-0.064
92.668	-0.043	92.689	-0.043	92.710	-0.047	92.737	-0.055
92.764	-0.038	92.777	-0.010	92.805	0.023	92.835	0.015
92.858	-0.013	92.885	-0.013	92.903	0.015	92.939	0.043
92.963	0.015	93.005	0.007	93.041	-0.002	93.066	-0.010
93.095	-0.019	93.123	-0.031	93.154	-0.027	93.182	-0.032
93.207	-0.052	93.232	-0.068	93.257	-0.056	93.280	-0.032
93.369	-0.016	93.338	-0.033	93.360	-0.033	93.396	0.004
93.425	0.040	93.460	0.044	93.493	0.023	93.520	0.027
93.550	0.039	93.585	0.006	93.623	0.002	93.659	-0.015
93.688	-0.031	93.741	-0.040	93.781	-0.048	93.829	-0.052
93.857	-0.040	93.884	0.004	93.910	0.008	93.935	0.020
93.985	0.020	94.021	0.028	94.054	0.032	94.096	0.020
94.141	0.016	94.171	-0.001	94.207	-0.009	94.246	-0.022
94.282	-0.038	94.321	-0.039	94.360	-0.055	94.395	-0.044
94.446	-0.048	94.465	-0.029	94.489	-0.017	94.527	-0.017
94.562	-0.009	94.591	-0.001	94.621	0.027	94.660	0.043
94.695	0.027	94.733	0.011	94.782	0.003	94.817	-0.013
94.861	-0.021	94.918	-0.036	94.966	-0.032	95.013	-0.024
95.053	-0.019	95.103	-0.018	95.137	0.014	95.177	0.011
95.219	0.011	95.272	0.024	95.332	0.032	95.375	0.016
95.419	0.004	95.468	-0.012	95.537	-0.041	95.605	-0.049
95.669	-0.045	95.749	-0.031	95.826	0.004	95.880	0.014
95.949	0.013	96.008	-0.013	96.059	0.000	96.110	-0.011
96.162	-0.027	96.210	-0.024	96.260	-0.008	96.299	0.007
96.350	-0.018	96.403	-0.019	96.450	0.001	96.490	-0.003
96.543	-0.020	96.594	-0.024	96.652	-0.021	96.723	-0.037
96.780	-0.061	96.842	-0.041	96.882	-0.049	96.938	-0.025
97.000	-0.004	97.060	-0.004	97.107	0.017	97.143	-0.001
97.200	-0.023	97.254	-0.016	97.307	-0.032	97.343	-0.038
97.373	-0.036	97.406	-0.037	97.459	-0.031	97.482	-0.027
97.514	-0.022	97.538	-0.014	97.561	-0.014	97.588	-0.010
97.612	-0.002	97.639	0.007	97.665	-0.005	97.689	0.003
97.714	0.007	97.737	0.003	97.761	-0.005	97.788	-0.013
97.816	-0.017	97.843	-0.013	97.870	-0.021	97.902	-0.013
97.929	-0.025	97.956	-0.022	97.978	-0.022	98.005	-0.014
98.030	-0.018	98.060	-0.013	98.083	-0.005	98.105	0.006
98.123	0.006	98.143	-0.002	98.166	-0.006	98.189	-0.015
98.207	-0.003	98.229	0.001	98.256	-0.008	98.285	-0.017
98.311	-0.016	98.336	-0.016	98.360	-0.040	98.379	-0.048
98.397	-0.052	98.419	-0.052	98.441	-0.044	98.469	-0.044
98.489	-0.048	98.512	-0.040	98.542	-0.040	98.566	-0.040
98.592	-0.027	98.625	-0.023	98.650	-0.031	98.670	-0.027
98.695	-0.015	98.720	-0.019	98.743	-0.023	98.764	-0.023

98.785	-0.016	98.806	-0.005	98.834	0.002	98.863	-0.003
98.895	-0.000	98.928	-0.001	98.955	0.010	98.988	0.005
99.017	0.000	99.047	-0.009	99.080	-0.022	99.107	-0.023
99.137	-0.024	99.167	-0.016	99.192	-0.017	99.214	-0.014
99.237	-0.014	99.262	-0.023	99.287	-0.024	99.311	-0.020
99.336	-0.008	99.363	-0.024	99.392	-0.008	99.423	-0.013
99.457	-0.013	99.495	-0.017	99.525	-0.013	99.551	-0.018
99.578	-0.026	99.610	-0.031	99.635	-0.035	99.657	-0.044
99.686	-0.036	99.718	-0.037	99.742	-0.033	99.767	-0.042
99.788	-0.039	99.814	-0.031	99.844	-0.024	99.874	-0.017
99.903	-0.022	99.925	-0.018	99.957	-0.019	99.983	-0.011
100.007	-0.011	100.038	-0.023	100.069	-0.022	100.102	-0.025
100.131	-0.021	100.164	-0.020	100.189	-0.020	100.219	-0.023
100.252	-0.018	100.285	-0.017	100.312	-0.017	100.340	-0.005
100.372	0.003	100.404	-0.002	100.436	-0.002	100.467	-0.002
100.488	0.006	100.518	-0.007	100.545	-0.007	100.577	-0.011
100.609	-0.016	100.639	-0.023	100.675	-0.011	100.705	-0.014
100.734	-0.026	100.768	-0.030	100.801	-0.018	100.832	-0.018
100.867	-0.018	100.898	-0.022	100.931	-0.018	100.957	-0.015
100.992	-0.003	101.020	-0.011	101.050	-0.008	101.088	-0.008
101.123	-0.004	101.154	-0.012	101.193	-0.016	101.232	-0.008
101.267	-0.024	101.304	-0.032	101.351	-0.039	101.373	-0.051
101.395	-0.055	101.426	-0.047	101.465	-0.047	101.501	-0.039
101.532	-0.031	101.563	-0.015	101.585	-0.010	101.606	-0.010
101.621	0.002						

IG109
71.023 2/9/71 0600 PST CIT MILLIKAN LIBRARY, 10 TH FL. EAST

5185 POINTS 101.730 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.6042 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.065	0.026	0.012	0.035	0.069	0.062	0.081
0.089	-0.020	0.118	0.056	0.140	-0.037	0.163	-0.118
0.195	0.048	0.217	0.101	0.254	0.089	0.269	0.133
0.310	0.052	0.338	0.052	0.357	0.052	0.391	0.012
0.416	0.081	0.442	0.101	0.469	0.166	0.507	0.049
0.538	0.017	0.570	-0.056	0.604	0.078	0.640	0.151
0.667	0.139	0.688	-0.031	0.707	-0.059	0.725	0.030
0.748	-0.039	0.771	-0.087	0.802	0.112	0.832	0.047
0.859	-0.030	0.904	-0.050	0.943	0.169	0.972	0.129
0.996	0.100	1.015	0.133	1.037	0.044	1.058	-0.029
1.087	0.085	1.119	0.194	1.151	0.226	1.175	0.214
1.196	0.093	1.216	-0.037	1.253	-0.020	1.285	-0.065
1.329	0.154	1.353	0.028	1.376	-0.077	1.422	-0.134
1.443	-0.065	1.465	-0.016	1.508	0.101	1.544	0.182
1.572	0.020	1.589	-0.073	1.612	0.020	1.642	-0.020
1.662	0.097	1.683	0.190	1.723	0.085	1.743	0.109
1.772	0.052	1.797	0.044	1.829	0.170	1.850	0.259
1.881	0.093	1.927	0.105	1.952	-0.000	1.975	0.065
2.003	0.008	2.039	-0.073	2.058	0.008	2.080	0.024
2.103	-0.020	2.127	-0.049	2.152	-0.033	2.182	-0.101
2.209	0.012	2.235	0.101	2.265	0.141	2.294	0.056
2.315	-0.049	2.334	-0.110	2.368	0.109	2.388	0.032
2.401	-0.049	2.415	0.145	2.436	0.287	2.457	0.150
2.474	0.060	2.509	0.178	2.544	0.222	2.568	0.320
2.591	0.210	2.619	-0.004	2.644	0.085	2.669	0.085
2.697	0.073	2.727	0.255	2.749	0.109	2.760	-0.085
2.775	-0.154	2.803	0.113	2.827	-0.041	2.843	-0.134
2.868	0.040	2.889	-0.073	2.908	-0.154	2.924	-0.025
2.942	0.052	2.967	-0.147	2.990	-0.216	3.024	-0.018
3.053	-0.046	3.072	-0.042	3.107	0.148	3.132	0.082
3.151	0.046	3.188	0.252	3.211	0.077	3.227	-0.000
3.247	0.194	3.264	0.360	3.299	0.181	3.323	0.318
3.349	0.180	3.367	0.022	3.408	-0.072	3.426	-0.129
3.455	0.024	3.488	-0.029	3.503	0.108	3.518	0.144
3.546	-0.063	3.574	0.078	3.593	-0.084	3.605	-0.214
3.620	-0.254	3.634	-0.093	3.648	-0.085	3.676	-0.231
3.694	-0.131	3.715	0.007	3.740	-0.026	3.766	0.135
3.798	0.280	3.827	0.085	3.853	0.052	3.875	0.035
3.899	0.229	3.931	0.217	3.962	0.233	3.992	0.066
4.015	0.107	4.032	-0.031	4.042	-0.165	4.057	-0.210

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
4.072	-0.080	4.091	0.049	4.120	-0.056	4.138	0.061
4.155	0.206	4.189	0.093	4.205	0.226	4.219	0.324
4.234	0.255	4.251	-0.041	4.268	-0.235	4.300	-0.219
4.327	-0.445	4.350	-0.543	4.381	-0.288	4.416	-0.004
4.445	-0.056	4.467	0.204	4.486	0.398	4.506	0.423
4.522	0.528	4.556	0.266	4.578	0.060	4.600	-0.061
4.614	-0.223	4.642	-0.485	4.658	-0.586	4.686	-0.625
4.719	-0.276	4.737	-0.106	4.763	0.033	4.756	0.321
4.813	0.504	4.843	0.772	4.870	1.008	4.887	1.194
4.912	1.417	4.925	1.486	4.943	1.418	4.960	1.078
4.970	0.645	4.994	0.326	5.008	0.022	5.021	-0.277
5.040	-0.325	5.068	0.109	5.091	0.344	5.112	0.197
5.141	-0.367	5.157	-0.902	5.164	-1.218	5.176	-1.736
5.187	-2.077	5.200	-2.187	5.220	-1.921	5.233	-1.513
5.243	-1.035	5.257	-0.417	5.270	0.076	5.288	0.630
5.299	0.864	5.315	0.960	5.331	0.850	5.351	0.517
5.369	-0.058	5.380	-0.508	5.396	-1.003	5.407	-1.133
5.431	-1.175	5.458	-0.946	5.466	-0.349	5.512	0.155
5.544	0.444	5.576	0.377	5.599	0.700	5.617	0.945
5.644	1.461	5.660	1.630	5.675	1.457	5.691	1.044
5.711	0.697	5.740	0.807	5.768	0.824	5.795	0.517
5.811	0.351	5.842	0.211	5.857	-0.064	5.872	-0.444
5.888	-0.509	5.906	-0.249	5.926	-0.086	5.949	-0.166
5.967	-0.420	5.988	-0.771	6.005	-0.807	6.038	-0.526
6.051	-0.603	6.061	-0.930	6.074	-1.201	6.081	-1.245
6.100	-0.876	6.110	-0.519	6.122	-0.320	6.135	-0.369
6.146	-0.534	6.163	-0.607	6.190	-0.373	6.216	-0.478
6.241	-0.555	6.279	-0.130	6.301	0.093	6.320	0.380
6.329	0.655	6.338	1.044	6.353	1.441	6.359	1.748
6.375	1.995	6.392	1.793	6.399	1.627	6.410	1.315
6.422	1.072	6.451	1.052	6.473	0.655	6.489	0.429
6.500	0.404	6.523	0.854	6.543	1.214	6.554	1.145
6.568	0.635	6.587	-0.101	6.607	-0.462	6.621	-0.761
6.627	-0.866	6.635	-0.923	6.654	-0.571	6.679	0.089
6.697	0.303	6.718	0.210	6.733	0.093	6.747	-0.275
6.757	-0.737	6.766	-1.231	6.775	-1.773	6.784	-2.129
6.793	-2.429	6.802	-2.752	6.810	-2.983	6.828	-3.157
6.854	-2.696	6.872	-2.008	6.885	-1.376	6.899	-0.870
6.914	-0.624	6.941	-0.640	6.977	-0.445	7.004	-0.332
7.023	-0.057	7.051	0.170	7.071	0.514	7.084	0.886

7.096	1.210	7.109	1.485	7.126	1.307	7.141	1.016
7.158	0.789	7.172	0.761	7.195	1.202	7.214	1.457
7.228	1.380	7.242	1.028	7.262	0.680	7.273	0.659
7.300	1.198	7.318	1.465	7.338	1.481	7.366	2.023
7.384	2.517	7.396	2.784	7.411	2.792	7.425	2.691
7.441	2.319	7.458	1.768	7.468	1.375	7.482	1.108
7.491	0.881	7.510	0.517	7.524	0.493	7.542	0.662
7.558	0.844	7.574	0.743	7.596	0.132	7.609	-0.362
7.621	-1.010	7.634	-1.471	7.648	-1.933	7.660	-2.204
7.672	-2.480	7.689	-2.699	7.714	-2.246	7.732	-1.574
7.758	-1.194	7.791	-1.361	7.814	-1.499	7.830	-1.718
7.843	-1.948	7.858	-2.143	7.869	-2.176	7.895	-1.528
7.909	-0.832	7.921	-0.351	7.935	0.127	7.947	0.544
7.966	0.693	7.995	0.567	8.021	0.656	8.038	0.656
8.058	0.247	8.078	-0.206	8.086	-0.409	8.093	-0.461
8.124	0.146	8.150	0.672	8.177	0.692	8.199	1.194
8.216	1.554	8.241	1.793	8.268	1.489	8.289	1.267
8.313	1.797	8.326	2.193	8.344	2.509	8.364	2.473
8.399	1.946	8.414	1.509	8.431	1.084	8.443	0.441
8.454	-0.097	8.464	-0.664	8.476	-1.053	8.488	-1.113
8.520	-0.611	8.545	-0.223	8.560	-0.324	8.578	-0.664
8.595	-0.923	8.621	-1.008	8.643	-1.526	8.656	-2.072
8.666	-2.323	8.676	-2.408	8.707	-1.996	8.725	-1.838
8.755	-1.890	8.783	-1.672	8.824	-1.643	8.845	-1.469
8.881	-0.777	8.897	-0.231	8.919	0.417	8.943	0.943
8.956	1.226	8.977	1.586	9.003	1.991	9.023	2.197
9.039	2.400	9.057	2.606	9.078	2.679	9.095	2.618
9.113	2.315	9.128	1.845	9.141	1.380	9.161	1.193
9.192	1.197	9.216	1.149	9.245	1.323	9.265	1.197
9.287	0.788	9.301	0.468	9.315	0.189	9.323	0.043
9.343	-0.017	9.366	0.221	9.391	0.407	9.410	0.298
9.431	-0.273	9.455	-0.888	9.469	-1.317	9.484	-2.062
9.495	-2.682	9.503	-3.103	9.518	-3.297	9.544	-2.800
9.568	-2.128	9.586	-1.776	9.598	-1.541	9.614	-1.404
9.629	-1.481	9.650	-1.801	9.667	-2.020	9.691	-2.069
9.707	-1.968	9.731	-1.559	9.746	-0.976	9.761	-0.390
9.775	0.116	9.790	0.711	9.802	1.184	9.815	1.581
9.835	1.896	9.848	1.993	9.880	1.879	9.901	1.806
9.934	2.053	9.955	2.393	9.969	2.639	9.990	2.914
10.013	3.116	10.050	2.719	10.085	2.678	10.105	2.488
10.135	1.803	10.154	1.495	10.175	1.183	10.199	1.041
10.217	0.705	10.233	0.126	10.249	-0.465	10.264	-0.898
10.287	-1.162	10.313	-1.029	10.332	-0.936	10.352	-1.033
10.373	-1.576	10.397	-2.074	10.413	-2.556	10.428	-3.046
10.445	-3.334	10.457	-3.463	10.498	-2.898	10.526	-2.255
10.544	-1.903	10.565	-1.745	10.590	-1.685	10.623	-1.621
10.657	-1.306	10.688	-0.772	10.714	-0.198	10.739	0.198
10.754	0.352	10.771	0.437	10.798	0.355	10.818	0.266
10.839	0.225	10.880	0.565	10.906	0.901	10.923	1.216
10.938	1.965	10.948	2.787	10.968	3.402	10.985	3.584
10.992	3.580	10.999	3.535	11.004	3.454	11.015	3.167
11.030	2.798	11.039	2.548	11.055	1.916	11.065	1.503
11.074	1.155	11.082	0.888	11.086	0.775	11.091	0.674
11.098	0.609	11.105	0.597	11.113	0.601	11.119	0.666
11.126	0.787	11.136	0.953	11.145	1.200	11.156	1.447
11.167	1.584	11.175	1.698	11.183	1.714	11.191	1.702

11.201	1.657	11.209	1.524	11.218	1.406	11.228	1.188
11.239	0.977	11.248	0.698	11.257	0.350	11.268	-0.051
11.279	-0.423	11.289	-0.771	11.299	-1.006	11.307	-1.140
11.314	-1.237	11.322	-1.257	11.331	-1.261	11.344	-1.152
11.352	-1.042	11.361	-0.917	11.371	-0.828	11.388	-0.788
11.405	-0.788	11.420	-0.804	11.431	-0.812	11.442	-0.861
11.451	-0.970	11.460	-1.136	11.471	-1.419	11.483	-1.767
11.494	-2.051	11.504	-2.245	11.514	-2.379	11.526	-2.440
11.539	-2.444	11.555	-2.432	11.571	-2.359	11.586	-2.225
11.600	-2.088	11.619	-1.853	11.633	-1.667	11.649	-1.445
11.664	-1.283	11.672	-1.227	11.684	-1.219	11.701	-1.235
11.715	-1.247	11.726	-1.223	11.738	-1.126	11.756	-0.855
11.771	-0.612	11.782	-0.495	11.797	-0.361	11.822	-0.159
11.837	-0.001	11.852	0.217	11.873	0.500	11.895	0.784
11.918	1.111	11.927	1.225	11.941	1.451	11.954	1.730
11.973	2.119	11.985	2.329	11.995	2.548	12.004	2.649
12.017	2.697	12.032	2.685	12.041	2.612	12.058	2.446
12.073	2.301	12.089	2.135	12.105	1.985	12.122	1.759
12.134	1.613	12.142	1.564	12.151	1.552	12.163	1.581
12.178	1.747	12.189	1.876	12.198	1.982	12.210	1.986
12.223	1.961	12.232	1.885	12.246	1.670	12.256	1.419
12.270	1.079	12.288	0.598	12.306	0.278	12.323	0.128
12.338	0.047	12.350	-0.058	12.370	-0.175	12.386	-0.216
12.404	-0.252	12.420	-0.305	12.433	-0.414	12.446	-0.592
12.460	-0.863	12.478	-1.288	12.491	-1.620	12.503	-1.891
12.514	-2.077	12.524	-2.138	12.531	-2.158	12.540	-2.098
12.553	-1.968	12.563	-1.900	12.579	-1.883	12.589	-1.875
12.603	-1.855	12.615	-1.803	12.627	-1.791	12.641	-1.807
12.653	-1.852	12.667	-1.941	12.678	-2.006	12.690	-2.038
12.701	-1.969	12.710	-1.860	12.727	-1.609	12.746	-1.189
12.770	-0.687	12.782	-0.452	12.795	-0.282	12.807	-0.193
12.821	-0.153	12.836	-0.141	12.848	-0.080	12.869	0.130
12.884	0.321	12.901	0.495	12.919	0.620	12.934	0.741
12.945	0.928	12.958	1.199	12.972	1.506	12.984	1.810
12.994	2.069	13.005	2.332	13.020	2.486	13.030	2.551
13.043	2.571	13.057	2.551	13.070	2.470	13.085	2.271
13.106	2.016	13.122	1.798	13.135	1.652	13.144	1.624
13.153	1.608	13.162	1.624	13.176	1.765	13.189	1.935
13.197	2.057	13.207	2.170	13.215	2.207	13.228	2.215
13.236	2.198	13.244	2.146	13.251	2.045	13.265	1.830
13.282	1.498	13.299	1.126	13.320	0.697	13.338	0.385
13.359	0.089	13.378	-0.166	13.396	-0.446	13.415	-0.713
13.434	-0.928	13.449	-1.066	13.461	-1.203	13.477	-1.463
13.494	-1.779	13.507	-1.997	13.521	-2.188	13.533	-2.338
13.548	-2.528	13.560	-2.633	13.575	-2.674	13.588	-2.698
13.605	-2.747	13.618	-2.755	13.630	-2.739	13.642	-2.638
13.659	-2.363	13.678	-1.991	13.695	-1.756	13.705	-1.607
13.731	-1.279	13.753	-1.020	13.771	-0.879	13.797	-0.579
13.817	-0.344	13.834	-0.223	13.849	-0.073	13.868	0.190
13.891	0.602	13.909	0.938	13.922	1.221	13.937	1.468
13.954	1.747	13.965	1.893	13.982	2.014	13.996	2.051
14.010	2.075	14.024	2.083	14.038	2.026	14.048	1.921
14.059	1.848	14.072	1.807	14.083	1.840	14.105	2.001
14.122	2.094	14.139	2.208	14.156	2.292	14.170	2.381
14.180	2.418	14.192	2.401	14.202	2.324	14.218	2.094
14.235	1.830	14.250	1.555	14.273	1.138	14.287	0.924

14.297	0.822	14.307	0.778	14.333	0.717	14.349	0.664
14.366	0.587	14.381	0.478	14.395	0.356	14.416	-0.052
14.432	-0.510	14.452	-0.894	14.471	-1.259	14.486	-1.562
14.501	-1.971	14.512	-2.194	14.522	-2.331	14.536	-2.400
14.550	-2.404	14.565	-2.413	14.573	-2.445	14.584	-2.498
14.596	-2.542	14.607	-2.558	14.619	-2.518	14.632	-2.437
14.644	-2.320	14.654	-2.215	14.664	-2.142	14.678	-2.097
14.691	-2.025	14.705	-1.895	14.720	-1.745	14.734	-1.535
14.749	-1.365	14.761	-1.264	14.776	-1.163	14.796	-0.916
14.813	-0.560	14.832	-0.160	14.847	0.172	14.861	0.374
14.876	0.540	14.888	0.625	14.903	0.694	14.918	0.722
14.934	0.819	14.950	0.960	14.965	1.057	14.980	1.106
14.991	1.106	15.001	1.126	15.013	1.264	15.030	1.506
15.050	1.871	15.066	2.126	15.076	2.235	15.087	2.264
15.098	2.264	15.112	2.239	15.125	2.183	15.138	2.126
15.152	2.065	15.166	1.989	15.179	1.802	15.195	1.580
15.208	1.438	15.225	1.357	15.234	1.345	15.249	1.398
15.268	1.451	15.283	1.423	15.300	1.346	15.312	1.176
15.330	0.852	15.350	0.508	15.368	0.173	15.387	-0.187
15.406	-0.495	15.422	-0.669	15.438	-0.794	15.452	-0.843
15.467	-0.867	15.483	-0.842	15.506	-0.761	15.528	-0.684
15.552	-0.640	15.564	-0.632	15.579	-0.681	15.598	-0.774
15.619	-0.924	15.636	-1.053	15.648	-1.106	15.658	-1.126
15.672	-1.098	15.691	-0.944	15.715	-0.754	15.738	-0.560
15.756	-0.382	15.774	-0.241	15.790	-0.164	15.805	-0.156
15.823	-0.180	15.844	-0.225	15.861	-0.233	15.886	-0.286
15.905	-0.318	15.919	-0.298	15.941	-0.213	15.958	-0.100
15.978	0.042	15.994	0.163	16.008	0.260	16.024	0.288
16.039	0.276	16.055	0.219	16.068	0.151	16.083	0.094
16.100	0.078	16.122	0.114	16.148	0.191	16.177	0.264
16.202	0.414	16.221	0.515	16.236	0.551	16.253	0.555
16.274	0.511	16.296	0.434	16.313	0.418	16.332	0.425
16.349	0.405	16.364	0.352	16.383	0.283	16.396	0.263
16.412	0.291	16.431	0.307	16.447	0.275	16.463	0.210
16.480	0.145	16.502	0.108	16.531	0.080	16.555	0.051
16.567	0.003	16.583	-0.107	16.602	-0.256	16.620	-0.305
16.631	-0.297	16.648	-0.216	16.663	-0.139	16.677	-0.127
16.703	-0.159	16.717	-0.175	16.737	-0.179	16.750	-0.220
16.762	-0.305	16.780	-0.443	16.797	-0.552	16.814	-0.585
16.828	-0.556	16.843	-0.484	16.863	-0.314	16.891	-0.075
16.914	0.139	16.927	0.236	16.941	0.248	16.956	0.223
16.969	0.167	16.986	0.037	17.002	-0.085	17.015	-0.138
17.034	-0.102	17.047	-0.058	17.065	-0.027	17.083	-0.011
17.104	0.025	17.120	0.109	17.135	0.189	17.149	0.197
17.164	0.160	17.183	0.054	17.199	-0.040	17.214	-0.085
17.234	-0.094	17.255	-0.038	17.277	0.034	17.300	0.070
17.320	0.154	17.342	0.222	17.366	0.266	17.397	0.277
17.420	0.293	17.453	0.361	17.484	0.432	17.510	0.581
17.535	0.726	17.554	0.807	17.571	0.847	17.586	0.872
17.609	0.871	17.629	0.859	17.646	0.883	17.670	0.943
17.693	0.975	17.711	0.963	17.726	0.926	17.748	0.821
17.763	0.716	17.774	0.659	17.792	0.606	17.810	0.529
17.829	0.387	17.852	0.184	17.873	-0.010	17.888	-0.164
17.906	-0.258	17.921	-0.343	17.942	-0.428	17.963	-0.525
17.982	-0.635	17.997	-0.696	18.017	-0.765	18.036	-0.846
18.056	-0.955	18.074	-1.053	18.088	-1.089	18.101	-1.110

18.116	-1.066	18.137	-0.973	18.153	-0.864	18.169	-0.799
18.191	-0.706	18.204	-0.601	18.227	-0.399	18.244	-0.294
18.257	-0.201	18.283	-0.129	18.303	-0.048	18.323	0.061
18.344	0.215	18.366	0.360	18.385	0.473	18.409	0.603
18.431	0.728	18.456	0.845	18.477	0.946	18.496	1.015
18.511	1.051	18.528	1.035	18.541	1.010	18.556	0.934
18.569	0.877	18.585	0.832	18.602	0.804	18.620	0.779
18.640	0.731	18.655	0.670	18.669	0.601	18.692	0.528
18.710	0.443	18.730	0.338	18.745	0.245	18.770	0.127
18.795	0.022	18.816	-0.088	18.835	-0.225	18.853	-0.428
18.870	-0.634	18.885	-0.768	18.903	-0.853	18.919	-0.898
18.930	-0.906	18.949	-0.902	18.969	-0.825	18.988	-0.716
19.003	-0.627	19.013	-0.579	19.027	-0.559	19.040	-0.571
19.053	-0.620	19.065	-0.664	19.075	-0.689	19.094	-0.669
19.109	-0.632	19.128	-0.592	19.148	-0.548	19.165	-0.434
19.189	-0.257	19.207	-0.204	19.221	-0.103	19.240	0.014
19.259	0.103	19.280	0.156	19.302	0.176	19.321	0.176
19.343	0.172	19.360	0.265	19.383	0.407	19.404	0.549
19.421	0.658	19.439	0.771	19.462	0.905	19.480	0.937
19.493	0.954	19.510	0.934	19.528	0.913	19.550	0.926
19.570	0.925	19.591	0.921	19.608	0.917	19.626	0.945
19.644	0.957	19.662	0.928	19.677	0.871	19.691	0.782
19.709	0.612	19.730	0.353	19.754	0.114	19.772	-0.028
19.789	-0.138	19.805	-0.276	19.824	-0.406	19.839	-0.491
19.854	-0.516	19.870	-0.541	19.885	-0.650	19.904	-0.768
19.923	-0.943	19.941	-1.126	19.960	-1.304	19.975	-1.446
19.988	-1.503	20.000	-1.528	20.018	-1.451	20.035	-1.318
20.057	-1.104	20.075	-0.971	20.099	-0.770	20.119	-0.620
20.138	-0.467	20.157	-0.306	20.174	-0.160	20.197	-0.003
20.215	0.102	20.233	0.251	20.248	0.417	20.268	0.679
20.285	0.873	20.301	1.091	20.319	1.237	20.340	1.374
20.356	1.398	20.387	1.389	20.406	1.397	20.432	1.404
20.447	1.360	20.465	1.347	20.496	1.343	20.521	1.302
20.538	1.225	20.560	1.091	20.581	0.892	20.598	0.690
20.616	0.564	20.642	0.430	20.665	0.297	20.692	0.167
20.716	0.029	20.741	-0.109	20.765	-0.239	20.783	-0.345
20.803	-0.511	20.824	-0.657	20.844	-0.743	20.867	-0.832
20.884	-0.881	20.909	-0.910	20.931	-0.911	20.959	-0.944
20.985	-0.961	21.004	-0.965	21.028	-0.929	21.045	-0.861
21.056	-0.796	21.072	-0.728	21.086	-0.631	21.105	-0.595
21.128	-0.567	21.155	-0.547	21.176	-0.495	21.203	-0.435
21.228	-0.355	21.250	-0.234	21.272	-0.088	21.305	0.150
21.327	0.332	21.352	0.529	21.373	0.651	21.394	0.743
21.427	0.880	21.455	0.947	21.484	1.063	21.513	1.203
21.544	1.370	21.575	1.435	21.583	1.435	21.593	1.430
21.604	1.413	21.613	1.365	21.623	1.308	21.631	1.268
21.637	1.224	21.647	1.171	21.656	1.127	21.664	1.070
21.676	1.009	21.682	0.956	21.693	0.895	21.702	0.839
21.711	0.778	21.724	0.697	21.735	0.611	21.749	0.482
21.760	0.380	21.775	0.231	21.783	0.146	21.793	0.053
21.804	-0.060	21.816	-0.178	21.830	-0.299	21.841	-0.396
21.850	-0.477	21.862	-0.554	21.873	-0.674	21.883	-0.779
21.892	-0.824	21.904	-0.929	21.913	-0.989	21.923	-1.042
21.932	-1.086	21.941	-1.142	21.953	-1.203	21.963	-1.251
21.976	-1.292	21.987	-1.328	21.996	-1.364	22.006	-1.413
22.014	-1.469	22.021	-1.506	22.031	-1.542	22.039	-1.558

22.052	-1.554	22.062	-1.550	22.078	-1.510	22.090	-1.482
22.102	-1.441	22.114	-1.344	22.130	-1.227	22.144	-1.081
22.153	-0.972	22.165	-0.862	22.176	-0.777	22.186	-0.668
22.198	-0.591	22.212	-0.498	22.224	-0.425	22.239	-0.344
22.258	-0.235	22.280	-0.093	22.293	-0.012	22.308	0.089
22.319	0.170	22.327	0.198	22.335	0.243	22.346	0.320
22.356	0.409	22.365	0.502	22.375	0.603	22.383	0.704
22.391	0.769	22.397	0.846	22.408	0.951	22.420	1.040
22.428	1.109	22.437	1.137	22.450	1.214	22.455	1.242
22.467	1.332	22.476	1.421	22.489	1.498	22.499	1.555
22.505	1.608	22.514	1.648	22.522	1.669	22.534	1.669
22.552	1.642	22.568	1.602	22.581	1.578	22.603	1.558
22.618	1.509	22.631	1.441	22.645	1.372	22.654	1.311
22.666	1.303	22.680	1.250	22.691	1.206	22.701	1.137
22.713	1.040	22.729	0.931	22.735	0.838	22.745	0.744
22.756	0.635	22.765	0.530	22.775	0.432	22.783	0.327
22.795	0.213	22.806	0.096	22.816	-0.010	22.825	-0.087
22.833	-0.152	22.834	-0.168	22.843	-0.229	22.855	-0.306
22.866	-0.387	22.878	-0.468	22.887	-0.546	22.897	-0.631
22.903	-0.696	22.915	-0.806	22.925	-0.916	22.936	-1.029
22.949	-1.155	22.953	-1.212	22.963	-1.298	22.975	-1.383
22.983	-1.460	22.995	-1.529	23.005	-1.581	23.018	-1.642
23.026	-1.687	23.033	-1.715	23.040	-1.727	23.047	-1.736
23.059	-1.719	23.075	-1.703	23.089	-1.670	23.105	-1.629
23.118	-1.568	23.131	-1.531	23.143	-1.446	23.153	-1.341
23.161	-1.272	23.170	-1.179	23.178	-1.114	23.189	-1.033
23.197	-0.952	23.209	-0.903	23.218	-0.822	23.232	-0.729
23.240	-0.660	23.251	-0.603	23.257	-0.534	23.266	-0.454
23.276	-0.360	23.288	-0.243	23.298	-0.142	23.309	-0.033
23.318	0.069	23.327	0.194	23.338	0.291	23.345	0.388
23.357	0.518	23.374	0.655	23.383	0.761	23.399	0.898
23.411	0.999	23.428	1.076	23.444	1.194	23.461	1.271
23.473	1.364	23.485	1.420	23.500	1.477	23.513	1.546
23.524	1.582	23.534	1.619	23.542	1.627	23.554	1.639
23.566	1.611	23.576	1.542	23.587	1.485	23.596	1.445
23.604	1.384	23.616	1.335	23.626	1.295	23.639	1.246
23.650	1.190	23.660	1.141	23.674	1.056	23.682	0.983
23.693	0.902	23.703	0.834	23.714	0.744	23.727	0.643
23.737	0.566	23.747	0.506	23.761	0.392	23.772	0.287
23.781	0.178	23.787	0.093	23.797	-0.004	23.806	-0.081
23.812	-0.146	23.823	-0.223	23.832	-0.316	23.843	-0.401
23.854	-0.474	23.863	-0.543	23.876	-0.611	23.885	-0.684
23.897	-0.745	23.909	-0.789	23.921	-0.846	23.934	-0.907
23.945	-0.972	23.954	-1.016	23.966	-1.077	23.977	-1.142
23.986	-1.198	23.997	-1.251	24.005	-1.287	24.017	-1.283
24.031	-1.263	24.048	-1.239	24.062	-1.214	24.090	-1.146
24.111	-1.012	24.113	-0.931	24.126	-0.806	24.152	-0.636
24.170	-0.510	24.171	-0.510	24.183	-0.413	24.200	-0.328
24.216	-0.211	24.232	-0.097	24.245	0.028	24.265	0.162
24.281	0.243	24.297	0.352	24.308	0.453	24.324	0.587
24.334	0.704	24.350	0.825	24.371	0.927	24.386	1.012
24.400	1.084	24.416	1.202	24.433	1.299	24.443	1.416
24.452	1.457	24.461	1.509	24.475	1.574	24.489	1.594
24.511	1.586	24.536	1.554	24.548	1.493	24.565	1.432
24.578	1.364	24.593	1.275	24.607	1.173	24.623	1.072
24.637	0.939	24.649	0.838	24.661	0.753	24.673	0.696

24.686	0.639	24.698	0.587	24.709	0.506	24.719	0.380
24.728	0.259	24.745	0.081	24.756	-0.041	24.771	-0.162
24.784	-0.251	24.795	-0.344	24.808	-0.421	24.819	-0.510
24.829	-0.624	24.844	-0.793	24.856	-0.915	24.871	-1.061
24.882	-1.158	24.900	-1.255	24.912	-1.376	24.929	-1.482
24.938	-1.558	24.957	-1.651	24.977	-1.733	24.989	-1.794
25.005	-1.826	25.031	-1.815	25.048	-1.767	25.065	-1.715
25.079	-1.630	25.099	-1.457	25.109	-1.332	25.129	-1.118
25.133	-1.005	25.141	-0.941	25.151	-0.848	25.162	-0.776
25.171	-0.679	25.187	-0.598	25.206	-0.461	25.234	-0.308
25.249	-0.162	25.250	-0.154	25.259	-0.024	25.271	0.085
25.289	0.276	25.303	0.389	25.315	0.507	25.327	0.640
25.343	0.847	25.357	0.920	25.366	1.017	25.381	1.123
25.392	1.200	25.408	1.318	25.422	1.403	25.437	1.468
25.450	1.565	25.464	1.605	25.477	1.690	25.491	1.742
25.505	1.795	25.515	1.815	25.525	1.830	25.531	1.846
25.546	1.842	25.560	1.756	25.573	1.743	25.581	1.722
25.594	1.689	25.605	1.660	25.620	1.575	25.632	1.453
25.647	1.379	25.656	1.282	25.668	1.192	25.680	1.103
25.686	1.010	25.697	0.908	25.711	0.782	25.726	0.648
25.739	0.511	25.750	0.373	25.760	0.239	25.771	0.097
25.784	-0.052	25.794	-0.166	25.802	-0.243	25.815	-0.352
25.827	-0.437	25.837	-0.526	25.850	-0.648	25.860	-0.745
25.869	-0.866	25.881	-0.976	25.892	-1.053	25.906	-1.150
25.920	-1.231	25.934	-1.356	25.945	-1.469	25.956	-1.562
25.969	-1.696	25.978	-1.785	25.994	-1.866	26.003	-1.902
26.013	-1.931	26.023	-1.947	26.036	-1.935	26.048	-1.890
26.071	-1.708	26.079	-1.619	26.090	-1.526	26.104	-1.409
26.116	-1.332	26.133	-1.235	26.146	-1.158	26.161	-1.081
26.167	-1.012	26.179	-0.931	26.189	-0.830	26.204	-0.681
26.218	-0.556	26.231	-0.418	26.242	-0.321	26.252	-0.204
26.264	-0.075	26.275	0.030	26.283	0.123	26.295	0.248
26.306	0.357	26.316	0.470	26.328	0.575	26.338	0.648
26.351	0.741	26.360	0.793	26.375	0.854	26.388	0.894
26.398	0.988	26.412	1.077	26.422	1.171	26.435	1.284
26.443	1.361	26.452	1.459	26.462	1.540	26.474	1.617
26.486	1.686	26.497	1.731	26.507	1.784	26.516	1.797
26.530	1.809	26.548	1.801	26.561	1.748	26.570	1.683
26.583	1.586	26.593	1.497	26.605	1.432	26.617	1.360
26.627	1.323	26.639	1.287	26.651	1.250	26.666	1.210
26.683	1.117	26.692	1.044	26.702	0.971	26.716	0.870
26.724	0.825	26.734	0.708	26.747	0.570	26.756	0.465
26.765	0.332	26.777	0.150	26.787	0.032	26.798	-0.097
26.809	-0.235	26.819	-0.348	26.830	-0.462	26.839	-0.571
26.848	-0.652	26.862	-0.737	26.873	-0.802	26.889	-0.862
26.908	-0.903	26.917	-0.931	26.931	-0.988	26.945	-1.048
26.957	-1.113	26.973	-1.198	26.983	-1.259	26.995	-1.328
27.006	-1.392	27.019	-1.433	27.030	-1.477	27.039	-1.494
27.049	-1.494	27.062	-1.482	27.072	-1.437	27.086	-1.320
27.099	-1.178	27.111	-1.020	27.125	-0.903	27.140	-0.728
27.153	-0.607	27.165	-0.550	27.177	-0.441	27.189	-0.347
27.207	-0.238	27.221	-0.121	27.230	-0.068	27.236	-0.027
27.246	0.017	27.262	0.050	27.274	0.107	27.283	0.175
27.297	0.281	27.312	0.394	27.326	0.500	27.334	0.593
27.344	0.698	27.355	0.779	27.367	0.884	27.377	0.957
27.391	1.053	27.402	1.110	27.411	1.163	27.423	1.211

27.434	1.215	27.454	1.215	27.467	1.207	27.477	1.194
27.489	1.190	27.504	1.198	27.520	1.214	27.532	1.218
27.550	1.214	27.567	1.197	27.582	1.169	27.597	1.112
27.609	1.026	27.626	0.905	27.628	0.864	27.638	0.775
27.650	0.710	27.659	0.637	27.670	0.535	27.680	0.466
27.692	0.380	27.703	0.311	27.713	0.226	27.724	0.144
27.736	0.067	27.745	-0.002	27.754	-0.055	27.772	-0.157
27.791	-0.255	27.808	-0.357	27.826	-0.455	27.838	-0.549
27.850	-0.610	27.862	-0.691	27.871	-0.752	27.881	-0.834
27.893	-0.927	27.902	-1.000	27.913	-1.102	27.925	-1.171
27.931	-1.224	27.940	-1.264	27.950	-1.301	27.959	-1.309
27.974	-1.294	27.991	-1.245	28.011	-1.201	28.034	-1.121
28.053	-1.056	28.078	-0.971	28.095	-0.886	28.117	-0.793
28.135	-0.717	28.157	-0.619	28.172	-0.526	28.187	-0.425
28.202	-0.288	28.217	-0.170	28.226	-0.089	28.236	0.008
28.248	0.113	28.257	0.218	28.265	0.283	28.268	0.295
28.278	0.348	28.286	0.396	28.296	0.473	28.307	0.558
28.318	0.627	28.333	0.676	28.348	0.749	28.364	0.850
28.376	0.898	28.393	0.967	28.408	1.028	28.424	1.097
28.436	1.165	28.447	1.206	28.455	1.263	28.462	1.303
28.472	1.331	28.477	1.368	28.489	1.388	28.504	1.376
28.522	1.311	28.545	1.238	28.563	1.149	28.579	1.088
28.588	1.032	28.600	0.995	28.615	0.931	28.624	0.866
28.639	0.825	28.654	0.761	28.663	0.700	28.673	0.655
28.682	0.603	28.694	0.514	28.706	0.400	28.718	0.271
28.730	0.186	28.745	0.056	28.757	-0.033	28.773	-0.146
28.789	-0.255	28.806	-0.356	28.821	-0.437	28.840	-0.514
28.858	-0.599	28.873	-0.636	28.886	-0.705	28.900	-0.773
28.915	-0.842	28.930	-0.899	28.947	-0.956	28.961	-0.989
28.972	-1.025	28.985	-1.053	28.994	-1.070	29.006	-1.078
29.021	-1.078	29.039	-1.079	29.053	-1.055	29.070	-1.002
29.084	-0.934	29.099	-0.845	29.111	-0.748	29.128	-0.667
29.143	-0.566	29.155	-0.453	29.170	-0.360	29.185	-0.235
29.204	-0.130	29.218	-0.041	29.231	0.036	29.248	0.125
29.263	0.218	29.279	0.336	29.294	0.396	29.310	0.477
29.325	0.579	29.342	0.676	29.355	0.752	29.368	0.817
29.385	0.874	29.400	0.910	29.417	0.946	29.436	0.970
29.452	1.002	29.463	1.022	29.476	1.038	29.495	1.030
29.510	0.993	29.526	0.973	29.539	0.964	29.556	0.944
29.573	0.907	29.587	0.842	29.604	0.761	29.611	0.737
29.625	0.663	29.643	0.602	29.658	0.542	29.682	0.448
29.699	0.322	29.715	0.241	29.732	0.152	29.744	0.087
29.759	-0.007	29.771	-0.071	29.782	-0.140	29.794	-0.201
29.803	-0.266	29.812	-0.331	29.823	-0.360	29.840	-0.408
29.852	-0.429	29.872	-0.477	29.877	-0.530	29.899	-0.611
29.904	-0.660	29.918	-0.696	29.938	-0.725	29.956	-0.733
29.973	-0.769	29.988	-0.798	30.002	-0.814	30.018	-0.781
30.036	-0.741	30.051	-0.717	30.065	-0.704	30.080	-0.696
30.095	-0.692	30.109	-0.652	30.124	-0.607	30.138	-0.563
30.152	-0.530	30.169	-0.490	30.186	-0.433	30.199	-0.348
30.205	-0.312	30.216	-0.215	30.225	-0.174	30.236	-0.118
30.251	-0.012	30.266	0.044	30.283	0.113	30.298	0.178
30.310	0.222	30.324	0.275	30.336	0.328	30.351	0.364
30.366	0.380	30.384	0.400	30.397	0.449	30.411	0.530
30.429	0.602	30.444	0.671	30.456	0.724	30.469	0.736
30.486	0.784	30.495	0.808	30.513	0.824	30.527	0.824

30.537	0.824	30.557	0.771	30.574	0.722	30.590	0.690
30.606	0.669	30.626	0.632	30.642	0.600	30.656	0.571
30.672	0.527	30.687	0.462	30.701	0.409	30.717	0.340
30.734	0.283	30.747	0.222	30.759	0.166	30.771	0.097
30.784	0.024	30.793	-0.016	30.803	-0.073	30.814	-0.134
30.828	-0.190	30.846	-0.251	30.861	-0.300	30.873	-0.336
30.886	-0.381	30.900	-0.405	30.915	-0.425	30.935	-0.449
30.952	-0.449	30.967	-0.482	30.978	-0.510	30.991	-0.534
31.004	-0.543	31.020	-0.522	31.038	-0.502	31.055	-0.478
31.074	-0.482	31.089	-0.425	31.109	-0.360	31.122	-0.300
31.141	-0.271	31.160	-0.219	31.184	-0.182	31.200	-0.138
31.221	-0.077	31.240	-0.045	31.259	0.003	31.280	0.052
31.296	0.104	31.309	0.165	31.320	0.233	31.332	0.298
31.343	0.314	31.365	0.322	31.384	0.309	31.399	0.317
31.409	0.337	31.427	0.357	31.450	0.357	31.473	0.361
31.498	0.393	31.514	0.413	31.528	0.417	31.548	0.421
31.567	0.409	31.590	0.392	31.606	0.360	31.620	0.336
31.629	0.299	31.644	0.239	31.661	0.210	31.677	0.194
31.694	0.190	31.707	0.178	31.723	0.158	31.742	0.105
31.757	0.065	31.775	0.028	31.793	0.004	31.810	-0.020
31.828	-0.049	31.841	-0.085	31.855	-0.101	31.872	-0.118
31.887	-0.118	31.899	-0.097	31.913	-0.101	31.926	-0.114
31.946	-0.142	31.968	-0.195	31.985	-0.240	32.005	-0.264
32.023	-0.281	32.042	-0.281	32.064	-0.293	32.080	-0.277
32.095	-0.220	32.110	-0.172	32.121	-0.128	32.141	-0.107
32.164	-0.095	32.186	-0.055	32.223	-0.087	32.242	-0.083
32.255	-0.059	32.272	-0.027	32.288	0.041	32.305	0.101
32.316	0.137	32.335	0.157	32.354	0.189	32.378	0.204
32.392	0.219	32.410	0.246	32.433	0.261	32.455	0.264
32.481	0.267	32.500	0.298	32.516	0.338	32.534	0.377
32.553	0.392	32.571	0.404	32.587	0.435	32.601	0.434
32.612	0.418	32.616	0.438	32.624	0.429	32.635	0.409
32.645	0.388	32.655	0.347	32.668	0.302	32.678	0.270
32.689	0.229	32.704	0.217	32.721	0.188	32.734	0.147
32.750	0.127	32.764	0.110	32.780	0.098	32.797	0.081
32.810	0.057	32.823	0.041	32.834	0.000	32.847	-0.032
32.861	-0.101	32.872	-0.146	32.882	-0.178	32.885	-0.199
32.899	-0.227	32.916	-0.259	32.932	-0.288	32.942	-0.308
32.954	-0.332	32.967	-0.360	32.981	-0.385	32.997	-0.397
33.015	-0.405	33.034	-0.413	33.050	-0.421	33.069	-0.429
33.082	-0.454	33.099	-0.449	33.115	-0.449	33.124	-0.449
33.136	-0.449	33.145	-0.437	33.159	-0.413	33.172	-0.377
33.183	-0.328	33.199	-0.284	33.213	-0.259	33.231	-0.215
33.250	-0.174	33.269	-0.114	33.282	-0.085	33.302	-0.065
33.321	0.004	33.336	0.048	33.344	0.056	33.357	0.109
33.371	0.162	33.382	0.206	33.394	0.247	33.409	0.279
33.423	0.307	33.436	0.340	33.452	0.368	33.465	0.384
33.471	0.388	33.483	0.409	33.497	0.429	33.509	0.421
33.525	0.413	33.541	0.413	33.562	0.448	33.579	0.476
33.598	0.492	33.617	0.488	33.634	0.463	33.648	0.438
33.667	0.397	33.684	0.353	33.697	0.328	33.715	0.319
33.737	0.318	33.757	0.317	33.776	0.300	33.792	0.299
33.807	0.286	33.822	0.253	33.839	0.164	33.854	0.086
33.866	0.013	33.881	-0.068	33.888	-0.105	33.901	-0.162
33.913	-0.211	33.921	-0.231	33.938	-0.199	33.950	-0.170
33.963	-0.150	33.977	-0.134	33.991	-0.190	34.004	-0.247

34.019	-0.336	34.023	-0.356	34.033	-0.377	34.045	-0.405
34.060	-0.441	34.070	-0.470	34.080	-0.494	34.089	-0.506
34.102	-0.441	34.113	-0.373	34.122	-0.288	34.130	-0.199
34.136	-0.146	34.140	-0.105	34.158	-0.093	34.171	-0.093
34.184	-0.053	34.198	-0.033	34.209	-0.008	34.220	-0.000
34.234	-0.008	34.243	-0.057	34.256	-0.114	34.270	-0.190
34.283	-0.231	34.290	-0.247	34.309	-0.227	34.323	-0.182
34.334	-0.105	34.348	-0.110	34.365	-0.110	34.380	-0.105
34.397	-0.069	34.411	0.012	34.421	0.081	34.428	0.117
34.441	0.113	34.448	0.101	34.459	0.048	34.474	-0.041
34.482	-0.085	34.494	-0.101	34.508	-0.093	34.521	-0.029
34.532	0.036	34.542	0.105	34.551	0.121	34.567	0.137
34.584	0.137	34.596	0.133	34.608	0.166	34.616	0.214
34.625	0.251	34.631	0.303	34.641	0.324	34.653	0.311
34.662	0.255	34.674	0.125	34.682	0.036	34.691	-0.012
34.699	-0.045	34.709	-0.053	34.724	-0.012	34.736	0.056
34.751	0.109	34.765	0.121	34.778	0.121	34.794	0.121
34.805	0.133	34.823	0.182	34.836	0.198	34.847	0.194
34.857	0.154	34.868	0.089	34.878	0.028	34.887	-0.057
34.899	-0.073	34.915	-0.073	34.928	-0.045	34.939	-0.008
34.952	0.012	34.966	0.008	34.989	0.004	35.007	0.004
35.021	-0.000	35.040	0.012	35.055	-0.004	35.070	-0.020
35.082	-0.000	35.094	0.012	35.107	0.020	35.120	0.016
35.139	-0.016	35.162	-0.025	35.188	-0.025	35.209	-0.008
35.226	-0.004	35.248	0.044	35.265	0.089	35.282	0.109
35.299	0.125	35.315	0.129	35.329	0.113	35.344	0.069
35.359	0.020	35.376	-0.012	35.394	-0.041	35.407	-0.061
35.421	-0.061	35.437	-0.037	35.451	0.008	35.466	0.073
35.479	0.113	35.493	0.141	35.510	0.145	35.528	0.121
35.550	0.085	35.566	0.048	35.581	0.035	35.596	0.023
35.613	0.039	35.634	0.087	35.650	0.115	35.666	0.143
35.683	0.170	35.697	0.182	35.715	0.181	35.731	0.168
35.747	0.123	35.765	0.069	35.779	0.004	35.792	-0.058
35.805	-0.094	35.822	-0.115	35.842	-0.099	35.859	-0.059
35.871	-0.023	35.883	0.025	35.900	0.029	35.920	0.028
35.938	0.004	35.956	-0.037	35.974	-0.081	35.991	-0.114
36.005	-0.154	36.023	-0.174	36.039	-0.170	36.059	-0.126
36.065	-0.114	36.079	-0.077	36.088	-0.037	36.104	-0.004
36.118	-0.000	36.136	0.008	36.152	-0.008	36.170	-0.020
36.186	-0.037	36.201	-0.073	36.217	-0.122	36.229	-0.146
36.242	-0.158	36.260	-0.130	36.273	-0.089	36.290	-0.049
36.303	-0.016	36.313	0.008	36.321	0.040	36.335	0.040
36.352	0.008	36.367	-0.020	36.382	-0.037	36.400	-0.033
36.425	-0.029	36.446	-0.016	36.463	0.012	36.478	0.056
36.499	0.117	36.510	0.137	36.520	0.170	36.530	0.194
36.543	0.230	36.558	0.255	36.575	0.267	36.590	0.263
36.606	0.239	36.619	0.186	36.633	0.170	36.648	0.178
36.660	0.194	36.677	0.194	36.698	0.186	36.727	0.178
36.750	0.178	36.768	0.170	36.784	0.154	36.801	0.121
36.823	0.117	36.837	0.121	36.854	0.125	36.873	0.125
36.882	0.117	36.900	0.056	36.915	0.008	36.932	-0.057
36.952	-0.089	36.971	-0.105	36.986	-0.130	37.006	-0.154
37.022	-0.122	37.036	-0.077	37.053	-0.057	37.065	-0.045
37.082	-0.061	37.100	-0.097	37.118	-0.146	37.133	-0.178
37.153	-0.190	37.174	-0.199	37.193	-0.199	37.213	-0.190
37.228	-0.138	37.242	-0.097	37.257	-0.069	37.275	-0.045

37.294	-0.041	37.315	-0.029	37.335	-0.033	37.338	0.004
37.356	0.008	37.373	0.020	37.388	0.024	37.401	0.032
37.419	0.073	37.441	0.117	37.469	0.158	37.489	0.186
37.512	0.190	37.531	0.186	37.547	0.158	37.566	0.113
37.580	0.081	37.594	0.044	37.607	0.024	37.632	0.024
37.650	0.052	37.669	0.097	37.685	0.129	37.700	0.137
37.718	0.150	37.734	0.137	37.753	0.089	37.772	0.040
37.791	-0.020	37.807	-0.057	37.821	-0.077	37.836	-0.081
37.852	-0.081	37.867	-0.057	37.884	-0.037	37.887	-0.037
37.899	-0.008	37.913	0.012	37.931	0.008	37.950	0.004
37.964	-0.025	37.985	-0.053	38.003	-0.069	38.021	-0.089
38.039	-0.105	38.052	-0.106	38.076	-0.053	38.090	-0.005
38.102	0.032	38.115	0.052	38.132	0.080	38.146	0.092
38.165	0.088	38.185	0.051	38.208	-0.002	38.225	-0.042
38.237	-0.087	38.248	-0.099	38.268	-0.108	38.288	-0.064
38.306	-0.019	38.324	0.013	38.339	0.029	38.357	0.033
38.375	0.029	38.392	0.008	38.407	-0.024	38.421	-0.065
38.431	-0.085	38.446	-0.101	38.470	-0.085	38.492	-0.037
38.515	-0.000	38.532	0.036	38.546	0.073	38.564	0.089
38.580	0.117	38.599	0.125	38.616	0.105	38.641	0.069
38.658	0.052	38.675	0.036	38.698	0.036	38.718	0.077
38.743	0.101	38.768	0.137	38.774	0.133	38.789	0.166
38.809	0.166	38.828	0.141	38.844	0.080	38.860	0.028
38.876	-0.001	38.890	-0.017	38.917	-0.017	38.943	-0.014
38.973	0.006	38.999	-0.003	39.041	-0.007	39.054	-0.024
39.075	-0.040	39.093	-0.073	39.105	-0.113	39.128	-0.126
39.139	-0.093	39.156	-0.065	39.175	-0.033	39.194	-0.025
39.208	0.004	39.224	0.044	39.236	0.056	39.257	0.073
39.277	0.077	39.295	0.069	39.316	0.057	39.330	0.057
39.353	0.057	39.379	0.058	39.390	0.078	39.409	0.106
39.429	0.151	39.450	0.167	39.476	0.168	39.498	0.155
39.519	0.135	39.542	0.107	39.559	0.082	39.578	0.070
39.602	0.070	39.614	0.074	39.640	0.057	39.658	0.037
39.683	0.016	39.706	-0.004	39.734	-0.016	39.751	-0.033
39.769	-0.053	39.789	-0.057	39.808	-0.029	39.822	-0.000
39.842	0.004	39.873	-0.000	39.894	-0.025	39.912	-0.049
39.933	-0.065	39.957	-0.081	39.979	-0.093	40.005	-0.089
40.040	-0.090	40.067	-0.090	40.099	-0.079	40.123	-0.083
40.145	-0.063	40.164	-0.044	40.187	-0.044	40.212	-0.045
40.223	-0.045	40.238	-0.045	40.259	-0.033	40.290	-0.002
40.312	0.047	40.332	0.063	40.353	0.087	40.373	0.103
40.386	0.116	40.404	0.116	40.422	0.108	40.441	0.092
40.457	0.112	40.481	0.120	40.507	0.140	40.525	0.160
40.534	0.180	40.548	0.188	40.562	0.196	40.583	0.159
40.605	0.110	40.626	0.073	40.651	0.060	40.674	0.051
40.692	0.071	40.720	0.078	40.741	0.086	40.765	0.086
40.788	0.073	40.812	0.057	40.829	0.024	40.847	-0.012
40.855	-0.012	40.870	-0.020	40.884	-0.020	40.857	-0.012
40.915	-0.000	40.933	0.016	40.954	0.032	40.973	0.032
40.997	0.032	41.013	0.016	41.027	-0.013	41.049	-0.049
41.074	-0.070	41.095	-0.082	41.113	-0.086	41.130	-0.094
41.145	-0.066	41.163	-0.042	41.183	-0.022	41.209	-0.010
41.231	0.001	41.249	0.001	41.264	0.001	41.286	-0.004
41.299	-0.020	41.317	-0.033	41.329	-0.021	41.346	-0.009
41.369	0.011	41.394	0.014	41.419	0.013	41.442	0.029
41.457	0.029	41.474	0.028	41.488	-0.001	41.503	-0.034

41.516	-0.058	41.529	-0.067	41.544	-0.039	41.563	0.010
41.575	0.046	41.593	0.050	41.610	0.030	41.628	0.010
41.640	-0.007	41.661	0.009	41.670	0.001	41.687	0.005
41.697	-0.011	41.709	-0.031	41.721	-0.055	41.733	-0.071
41.748	-0.038	41.764	-0.006	41.778	0.019	41.799	0.035
41.813	0.047	41.829	0.056	41.850	0.064	41.868	0.068
41.879	0.064	41.891	0.036	41.908	0.004	41.922	-0.012
41.943	-0.012	41.957	0.008	41.977	0.008	41.988	-0.012
42.011	-0.012	42.029	0.004	42.045	0.032	42.061	0.032
42.078	0.008	42.096	-0.000	42.117	-0.012	42.131	0.020
42.155	0.020	42.163	0.012	42.173	0.004	42.190	0.003
42.202	0.019	42.216	0.047	42.232	0.075	42.245	0.087
42.268	0.086	42.285	0.085	42.308	0.104	42.320	0.120
42.333	0.127	42.353	0.111	42.370	0.094	42.384	0.078
42.404	0.077	42.419	0.101	42.437	0.089	42.460	0.069
42.469	0.057	42.484	0.057	42.496	0.069	42.518	0.098
42.533	0.086	42.552	0.061	42.573	0.061	42.592	0.061
42.614	0.053	42.634	0.033	42.659	0.000	42.675	-0.020
42.690	-0.005	42.707	-0.005	42.731	-0.018	42.749	0.002
42.766	0.034	42.787	0.030	42.806	0.025	42.828	0.005
42.843	-0.016	42.863	-0.045	42.885	-0.061	42.911	-0.049
42.936	-0.025	42.949	-0.012	42.964	-0.000	42.982	0.016
43.010	0.012	43.029	-0.000	43.051	-0.016	43.069	-0.025
43.089	-0.012	43.112	0.008	43.127	0.030	43.143	0.048
43.155	0.066	43.170	0.072	43.182	0.063	43.188	0.053
43.189	0.053	43.203	0.053	43.228	0.047	43.249	0.042
43.250	0.042	43.265	0.061	43.286	0.072	43.306	0.062
43.333	0.052	43.334	0.051	43.361	0.039	43.386	0.023
43.412	0.020	43.413	0.020	43.428	0.016	43.446	0.016
43.447	0.016	43.465	0.012	43.476	0.013	43.484	0.017
43.488	0.017	43.507	0.030	43.523	0.023	43.542	0.015
43.558	0.055	43.575	0.063	43.599	0.067	43.629	0.067
43.651	0.067	43.668	0.082	43.688	0.078	43.709	0.049
43.731	0.045	43.747	0.053	43.767	0.066	43.784	0.086
43.802	0.083	43.820	0.120	43.836	0.108	43.850	0.104
43.866	0.087	43.884	0.059	43.907	0.013	43.922	0.004
43.936	-0.017	43.951	-0.027	43.970	-0.024	43.982	-0.017
44.003	-0.034	44.020	0.001	44.031	0.021	44.050	0.026
44.063	0.030	44.081	0.010	44.089	-0.010	44.103	-0.022
44.124	-0.038	44.135	-0.033	44.148	-0.032	44.160	-0.028
44.177	-0.031	44.190	-0.022	44.210	-0.013	44.232	0.021
44.247	0.025	44.258	0.030	44.273	0.030	44.288	0.014
44.303	0.023	44.320	0.028	44.338	0.020	44.354	0.025
44.373	0.023	44.389	0.029	44.405	0.043	44.418	0.052
44.428	0.076	44.433	0.085	44.445	0.089	44.460	0.091
44.473	0.085	44.485	0.079	44.511	0.090	44.525	0.096
44.540	0.085	44.577	0.118	44.591	0.150	44.606	0.166
44.632	0.178	44.650	0.175	44.663	0.154	44.681	0.145
44.702	0.115	44.719	0.088	44.740	0.090	44.756	0.095
44.778	0.126	44.806	0.129	44.826	0.131	44.844	0.128
44.859	0.114	44.885	0.055	44.912	0.008	44.932	-0.018
44.949	-0.032	44.967	-0.025	44.968	-0.025	44.999	-0.005
45.012	0.004	45.034	0.037	45.058	0.029	45.069	0.017
45.092	-0.020	45.113	-0.017	45.142	-0.042	45.163	-0.047
45.185	-0.028	45.208	0.024	45.231	0.039	45.248	0.043
45.285	0.041	45.300	0.028	45.321	0.027	45.342	0.013

45.375	0.003	45.409	-0.004	45.447	0.002	45.484	-0.028
45.499	-0.042	45.527	-0.027	45.552	-0.021	45.579	-0.019
45.599	-0.006	45.615	0.005	45.633	0.024	45.656	0.015
45.674	0.015	45.693	0.014	45.715	0.014	45.734	0.051
45.755	0.048	45.779	0.052	45.800	0.064	45.815	0.108
45.832	0.104	45.840	0.100	45.864	0.088	45.882	0.089
45.904	0.050	45.926	0.050	45.948	0.083	45.967	0.091
45.984	0.098	46.009	0.098	46.033	0.087	46.064	0.069
46.087	0.090	46.111	0.094	46.139	0.109	46.163	0.144
46.196	0.149	46.206	0.137	46.242	0.111	46.266	0.095
46.299	0.083	46.323	0.088	46.356	0.082	46.411	0.070
46.434	0.057	46.485	0.015	46.503	-0.013	46.512	-0.014
46.531	-0.009	46.549	-0.012	46.574	-0.010	46.596	-0.017
46.597	-0.017	46.627	-0.025	46.655	-0.062	46.686	-0.060
46.711	-0.082	46.755	-0.069	46.787	-0.028	46.831	-0.025
46.860	0.017	46.894	0.011	46.920	0.029	46.935	0.065
46.966	0.083	47.007	0.097	47.048	0.116	47.076	0.108
47.097	0.104	47.133	0.089	47.164	0.056	47.189	0.049
47.207	0.038	47.228	0.029	47.277	0.009	47.323	0.028
47.353	0.010	47.371	-0.014	47.400	0.002	47.445	0.010
47.476	0.026	47.512	0.007	47.567	0.001	47.592	0.000
47.622	0.004	47.651	0.056	47.677	0.077	47.699	0.093
47.734	0.125	47.758	0.137	47.777	0.158	47.801	0.142
47.818	0.126	47.852	0.087	47.884	0.052	47.905	0.065
47.917	0.095	47.932	0.100	47.969	0.105	47.989	0.096
48.004	0.092	48.034	0.058	48.072	0.047	48.098	0.043
48.116	0.039	48.138	0.034	48.159	0.040	48.204	0.022
48.229	0.023	48.256	0.012	48.277	-0.009	48.303	-0.005
48.318	-0.038	48.340	-0.039	48.361	-0.040	48.393	-0.017
48.414	-0.026	48.444	-0.024	48.470	-0.013	48.503	-0.002
48.542	0.021	48.566	0.040	48.594	0.070	48.613	0.079
48.619	0.072	48.638	0.077	48.650	0.072	48.673	0.072
48.686	0.088	48.710	0.088	48.726	0.076	48.741	0.052
48.756	0.052	48.774	0.068	48.788	0.113	48.803	0.118
48.824	0.123	48.844	0.096	48.860	0.070	48.895	0.074
48.906	0.076	48.939	0.067	48.957	0.069	48.969	0.076
48.984	0.103	49.017	0.129	49.038	0.109	49.059	0.089
49.094	0.060	49.116	0.052	49.136	0.044	49.166	0.056
49.183	0.056	49.204	0.051	49.235	0.044	49.256	0.030
49.284	-0.008	49.306	-0.017	49.320	-0.005	49.346	0.022
49.368	0.023	49.387	0.041	49.411	0.033	49.437	0.023
49.462	0.018	49.474	0.005	49.498	-0.015	49.516	-0.024
49.539	-0.008	49.558	0.020	49.584	0.025	49.607	0.030
49.622	0.035	49.644	0.025	49.666	0.035	49.679	0.012
49.680	0.032	49.697	0.034	49.709	0.044	49.726	0.055
49.737	0.072	49.752	0.103	49.764	0.099	49.774	0.108
49.786	0.125	49.801	0.110	49.819	0.104	49.834	0.101
49.854	0.077	49.874	0.056	49.887	0.038	49.905	0.032
49.917	0.034	49.933	0.035	49.945	0.035	49.950	0.040
49.962	0.044	49.975	0.045	49.988	0.045	50.014	0.046
50.067	0.056	50.086	0.048	50.111	0.024	50.123	0.020
50.136	0.004	50.163	-0.012	50.174	0.004	50.200	-0.012
50.234	-0.025	50.244	-0.025	50.271	-0.025	50.278	-0.033
50.286	-0.029	50.302	-0.033	50.308	-0.041	50.331	-0.037
50.337	-0.045	50.340	-0.045	50.344	-0.049	50.359	-0.045
50.367	-0.045	50.385	-0.045	50.395	-0.041	50.402	-0.041

50.410	-0.041	50.430	-0.041	50.435	-0.045	50.455	-0.025
50.456	-0.029	50.483	-0.005	50.509	0.003	50.535	-0.027
50.559	-0.028	50.577	-0.020	50.595	-0.005	50.623	0.006
50.647	0.029	50.667	0.052	50.686	0.055	50.711	0.062
50.732	0.061	50.744	0.060	50.752	0.059	50.787	0.057
50.797	0.072	50.819	0.076	50.832	0.112	50.841	0.136
50.859	0.152	50.872	0.147	50.886	0.167	50.900	0.171
50.913	0.171	50.923	0.175	50.934	0.192	50.954	0.188
50.973	0.188	50.992	0.189	51.023	0.201	51.052	0.210
51.076	0.210	51.079	0.210	51.092	0.202	51.107	0.190
51.118	0.166	51.135	0.138	51.160	0.122	51.178	0.098
51.197	0.073	51.216	0.033	51.236	0.017	51.255	-0.007
51.277	-0.039	51.297	-0.050	51.311	-0.050	51.331	-0.054
51.337	-0.054	51.347	-0.086	51.362	-0.118	51.377	-0.138
51.391	-0.158	51.402	-0.175	51.418	-0.174	51.434	-0.182
51.450	-0.166	51.467	-0.170	51.482	-0.166	51.500	-0.162
51.522	-0.150	51.543	-0.142	51.566	-0.105	51.601	-0.084
51.622	-0.055	51.638	-0.031	51.649	-0.006	51.658	0.010
51.677	0.064	51.694	0.064	51.718	0.125	51.730	0.153
51.746	0.177	51.768	0.205	51.792	0.230	51.813	0.267
51.840	0.263	51.859	0.271	51.913	0.272	51.928	0.261
51.942	0.261	51.951	0.253	51.978	0.236	51.997	0.199
52.025	0.166	52.050	0.136	52.081	0.074	52.107	0.052
52.127	-0.006	52.152	-0.019	52.177	-0.027	52.201	-0.044
52.227	-0.100	52.248	-0.141	52.266	-0.169	52.305	-0.182
52.336	-0.179	52.365	-0.143	52.396	-0.136	52.423	-0.141
52.450	-0.126	52.469	-0.133	52.493	-0.087	52.516	-0.045
52.544	0.026	52.555	0.035	52.579	0.089	52.595	0.107
52.624	0.136	52.634	0.148	52.660	0.181	52.684	0.193
52.702	0.246	52.730	0.229	52.753	0.240	52.790	0.268
52.829	0.267	52.855	0.254	52.879	0.221	52.909	0.200
52.948	0.134	52.988	0.084	53.023	-0.001	53.054	-0.033
53.076	-0.066	53.106	-0.114	53.142	-0.135	53.163	-0.147
53.189	-0.187	53.214	-0.179	53.237	-0.167	53.256	-0.175
53.288	-0.142	53.321	-0.138	53.342	-0.110	53.365	-0.093
53.382	-0.089	53.402	-0.052	53.435	0.029	53.469	0.050
53.491	0.054	53.528	0.103	53.544	0.147	53.575	0.159
53.597	0.175	53.617	0.196	53.648	0.240	53.675	0.243
53.688	0.210	53.710	0.217	53.745	0.203	53.769	0.174
53.794	0.160	53.812	0.164	53.858	0.133	53.889	0.103
53.919	0.059	53.949	0.018	53.980	0.021	54.021	0.013
54.046	-0.014	54.047	-0.018	54.073	-0.053	54.096	-0.086
54.115	-0.092	54.136	-0.104	54.154	-0.137	54.176	-0.130
54.188	-0.131	54.198	-0.140	54.214	-0.141	54.232	-0.141
54.261	-0.138	54.285	-0.122	54.301	-0.114	54.314	-0.098
54.328	-0.094	54.340	-0.073	54.353	-0.073	54.367	-0.061
54.382	-0.057	54.395	-0.045	54.409	-0.033	54.426	-0.017
54.442	0.003	54.459	0.031	54.479	0.060	54.499	0.088
54.515	0.096	54.531	0.120	54.546	0.132	54.560	0.152
54.579	0.160	54.593	0.160	54.609	0.160	54.624	0.160
54.638	0.159	54.654	0.155	54.671	0.151	54.686	0.151
54.699	0.155	54.715	0.154	54.731	0.142	54.745	0.134
54.764	0.113	54.780	0.105	54.797	0.085	54.812	0.076
54.835	0.052	54.854	0.027	54.872	0.011	54.890	-0.014
54.911	-0.030	54.918	-0.035	54.927	-0.051	54.938	-0.059
54.951	-0.080	54.965	-0.088	54.978	-0.096	54.991	-0.104

55.002	-0.117	55.015	-0.117	55.029	-0.121	55.041	-0.121
55.059	-0.126	55.073	-0.134	55.089	-0.130	55.107	-0.143
55.122	-0.139	55.137	-0.135	55.152	-0.135	55.173	-0.131
55.195	-0.140	55.212	-0.136	55.233	-0.124	55.249	-0.104
55.265	-0.092	55.283	-0.068	55.299	-0.056	55.313	-0.027
55.326	-0.011	55.336	-0.003	55.350	0.005	55.364	0.005
55.380	0.017	55.394	0.021	55.409	0.021	55.427	0.029
55.443	0.025	55.460	0.029	55.474	0.033	55.488	0.053
55.506	0.078	55.522	0.090	55.540	0.098	55.550	0.102
55.564	0.102	55.573	0.098	55.587	0.102	55.598	0.098
55.613	0.102	55.627	0.094	55.642	0.082	55.656	0.066
55.671	0.062	55.687	0.041	55.701	0.049	55.719	0.049
55.737	0.053	55.756	0.045	55.771	0.045	55.784	0.041
55.796	0.029	55.804	0.029	55.815	0.017	55.836	0.000
55.853	-0.024	55.871	-0.036	55.890	-0.045	55.907	-0.049
55.922	-0.053	55.941	-0.041	55.959	-0.050	55.976	-0.050
55.994	-0.058	56.014	-0.079	56.035	-0.099	56.051	-0.116
56.068	-0.124	56.086	-0.132	56.098	-0.128	56.115	-0.132
56.129	-0.121	56.145	-0.113	56.164	-0.101	56.178	-0.093
56.195	-0.089	56.208	-0.081	56.225	-0.081	56.244	-0.069
56.261	-0.070	56.279	-0.062	56.296	-0.050	56.314	-0.030
56.333	-0.022	56.352	-0.010	56.373	0.002	56.393	0.022
56.411	0.038	56.432	0.054	56.447	0.054	56.464	0.053
56.478	0.057	56.493	0.065	56.510	0.069	56.535	0.081
56.555	0.097	56.577	0.096	56.600	0.100	56.622	0.099
56.639	0.099	56.658	0.082	56.675	0.074	56.692	0.057
56.706	0.053	56.719	0.049	56.738	0.048	56.753	0.036
56.769	0.043	56.784	0.039	56.799	0.034	56.814	0.030
56.829	0.021	56.847	0.009	56.862	-0.004	56.880	-0.020
56.892	-0.037	56.905	-0.045	56.922	-0.058	56.934	-0.071
56.948	-0.075	56.964	-0.088	56.979	-0.096	56.994	-0.105
57.012	-0.109	57.031	-0.110	57.048	-0.114	57.064	-0.130
57.082	-0.143	57.102	-0.147	57.118	-0.148	57.133	-0.156
57.148	-0.148	57.166	-0.149	57.184	-0.137	57.201	-0.117
57.219	-0.105	57.235	-0.089	57.255	-0.057	57.273	-0.041
57.289	-0.021	57.307	-0.005	57.327	0.007	57.343	0.002
57.363	0.018	57.381	0.030	57.399	0.042	57.417	0.063
57.431	0.095	57.447	0.107	57.464	0.103	57.479	0.103
57.494	0.106	57.509	0.102	57.524	0.098	57.538	0.082
57.554	0.078	57.570	0.093	57.590	0.109	57.610	0.121
57.634	0.108	57.658	0.120	57.677	0.124	57.696	0.103
57.719	0.046	57.742	0.001	57.765	-0.028	57.786	-0.053
57.807	-0.070	57.828	-0.054	57.852	-0.051	57.875	-0.035
57.894	-0.056	57.915	-0.073	57.928	-0.085	57.948	-0.114
57.970	-0.131	57.988	-0.164	58.002	-0.189	58.019	-0.185
58.037	-0.129	58.057	-0.085	58.079	-0.065	58.102	-0.053
58.121	-0.041	58.143	-0.042	58.166	-0.038	58.184	-0.035
58.202	-0.031	58.221	0.001	58.238	0.033	58.257	0.069
58.271	0.085	58.288	0.089	58.306	0.105	58.322	0.117
58.340	0.113	58.358	0.092	58.378	0.080	58.399	0.080
58.419	0.084	58.443	0.104	58.462	0.112	58.479	0.103
58.502	0.075	58.520	0.051	58.538	0.026	58.557	0.014
58.575	0.002	58.594	-0.011	58.613	-0.019	58.634	-0.023
58.648	-0.027	58.664	-0.044	58.680	-0.052	58.695	-0.064
58.718	-0.089	58.737	-0.121	58.759	-0.142	58.774	-0.154
58.791	-0.158	58.813	-0.162	58.829	-0.159	58.846	-0.159

58.863	-0.171	58.880	-0.175	58.899	-0.188	58.918	-0.196
58.939	-0.196	58.961	-0.197	58.981	-0.189	59.002	-0.144
59.024	-0.104	59.041	-0.092	59.059	-0.076	59.071	-0.064
59.090	-0.048	59.111	-0.032	59.126	-0.012	59.144	0.008
59.165	0.029	59.189	0.065	59.207	0.085	59.226	0.097
59.248	0.105	59.268	0.105	59.289	0.113	59.304	0.121
59.323	0.133	59.344	0.125	59.362	0.117	59.382	0.105
59.399	0.084	59.420	0.076	59.441	0.048	59.458	0.040
59.482	0.015	59.505	-0.009	59.528	-0.029	59.549	-0.066
59.566	-0.078	59.586	-0.102	59.600	-0.102	59.619	-0.119
59.638	-0.135	59.652	-0.131	59.673	-0.123	59.692	-0.127
59.712	-0.123	59.729	-0.119	59.747	-0.123	59.770	-0.123
59.789	-0.106	59.806	-0.110	59.826	-0.098	59.845	-0.098
59.869	-0.078	59.891	-0.057	59.914	-0.033	59.933	-0.013
59.953	0.003	59.974	-0.005	59.992	-0.017	60.008	-0.025
60.036	-0.020	60.059	0.008	60.079	0.032	60.096	0.036
60.117	0.044	60.137	0.052	60.155	0.060	60.169	0.043
60.183	0.039	60.201	0.031	60.216	0.023	60.233	0.031
60.253	0.039	60.268	0.034	60.286	0.038	60.314	0.030
60.334	0.013	60.351	-0.004	60.369	-0.032	60.387	-0.049
60.406	-0.061	60.429	-0.062	60.450	-0.062	60.469	-0.046
60.485	-0.047	60.498	-0.047	60.513	-0.051	60.535	-0.076
60.550	-0.093	60.564	-0.113	60.585	-0.130	60.604	-0.130
60.622	-0.123	60.638	-0.111	60.657	-0.111	60.675	-0.108
60.693	-0.092	60.706	-0.088	60.720	-0.080	60.736	-0.081
60.759	-0.098	60.774	-0.094	60.792	-0.070	60.809	-0.046
60.825	-0.006	60.841	0.006	60.858	0.026	60.877	0.037
60.895	0.033	60.911	0.045	60.927	0.049	60.943	0.048
60.957	0.048	60.976	0.031	60.995	0.031	61.011	0.043
61.026	0.055	61.041	0.071	61.057	0.091	61.069	0.103
61.082	0.095	61.100	0.082	61.120	0.070	61.138	0.054
61.151	0.041	61.166	0.025	61.180	0.009	61.196	-0.003
61.209	-0.004	61.228	-0.004	61.246	0.004	61.265	0.008
61.285	0.012	61.304	-0.008	61.322	-0.037	61.337	-0.053
61.355	-0.081	61.371	-0.110	61.387	-0.126	61.403	-0.134
61.418	-0.134	61.437	-0.122	61.454	-0.126	61.474	-0.110
61.495	-0.098	61.513	-0.098	61.533	-0.102	61.546	-0.102
61.563	-0.103	61.584	-0.099	61.609	-0.111	61.633	-0.075
61.654	-0.047	61.673	-0.039	61.692	-0.019	61.714	-0.011
61.735	-0.016	61.752	0.000	61.771	0.000	61.790	-0.012
61.812	-0.021	61.834	-0.017	61.859	0.015	61.881	0.026
61.898	0.034	61.915	0.026	61.933	0.033	61.951	0.017
61.972	-0.004	61.992	-0.041	62.017	-0.061	62.038	-0.070
62.060	-0.058	62.083	-0.067	62.107	-0.067	62.129	-0.083
62.148	-0.084	62.167	-0.088	62.188	-0.109	62.210	-0.117
62.232	-0.130	62.253	-0.118	62.275	-0.118	62.297	-0.127
62.317	-0.123	62.335	-0.131	62.356	-0.131	62.376	-0.119
62.393	-0.123	62.410	-0.115	62.430	-0.107	62.448	-0.099
62.463	-0.083	62.479	-0.075	62.499	-0.075	62.515	-0.063
62.528	-0.055	62.541	-0.043	62.562	-0.023	62.577	-0.015
62.597	0.017	62.613	0.017	62.629	0.025	62.646	0.021
62.666	0.029	62.681	0.029	62.702	0.016	62.716	0.020
62.737	0.016	62.754	0.032	62.771	0.032	62.786	0.027
62.802	0.027	62.821	0.027	62.842	0.019	62.858	0.006
62.873	-0.010	62.887	-0.015	62.903	-0.019	62.916	-0.023
62.939	-0.048	62.957	-0.045	62.976	-0.037	62.996	-0.037

63.013	-0.042	63.027	-0.046	63.043	-0.042	63.058	-0.047
63.076	-0.059	63.093	-0.056	63.108	-0.076	63.121	-0.068
63.133	-0.069	63.145	-0.077	63.162	-0.061	63.175	-0.061
63.189	-0.045	63.202	-0.042	63.222	-0.038	63.240	-0.022
63.258	-0.006	63.276	-0.003	63.297	-0.007	63.312	-0.007
63.333	-0.016	63.357	-0.020	63.374	-0.004	63.394	-0.005
63.413	0.019	63.431	0.019	63.446	0.015	63.459	0.031
63.479	0.018	63.500	0.006	63.519	-0.006	63.539	-0.011
63.558	-0.015	63.577	-0.011	63.593	-0.015	63.613	-0.024
63.628	-0.016	63.641	-0.020	63.656	-0.012	63.677	-0.036
63.694	-0.057	63.707	-0.061	63.727	-0.069	63.739	-0.078
63.757	-0.078	63.775	-0.090	63.796	-0.091	63.814	-0.091
63.832	-0.087	63.843	-0.083	63.876	-0.084	63.905	-0.080
63.928	-0.077	63.947	-0.073	63.965	-0.073	63.980	-0.073
64.001	-0.074	64.015	-0.070	64.029	-0.078	64.042	-0.070
64.058	-0.071	64.072	-0.067	64.088	-0.063	64.108	-0.043
64.126	-0.052	64.145	-0.044	64.162	-0.041	64.181	-0.041
64.197	-0.034	64.214	-0.030	64.228	-0.043	64.253	-0.048
64.270	-0.024	64.288	-0.009	64.309	0.007	64.329	0.002
64.346	0.006	64.364	0.017	64.385	0.013	64.407	0.012
64.431	-0.009	64.446	-0.018	64.462	-0.018	64.473	-0.023
64.491	-0.023	64.512	-0.032	64.529	-0.045	64.543	-0.037
64.554	-0.045	64.571	-0.058	64.585	-0.066	64.604	-0.087
64.619	-0.095	64.646	-0.124	64.667	-0.140	64.683	-0.161
64.701	-0.169	64.722	-0.162	64.737	-0.142	64.750	-0.130
64.769	-0.126	64.794	-0.131	64.813	-0.123	64.833	-0.128
64.853	-0.132	64.875	-0.132	64.904	-0.132	64.928	-0.099
64.950	-0.075	64.974	-0.043	64.995	-0.018	65.021	0.006
65.053	0.022	65.078	0.030	65.107	0.030	65.135	0.030
65.161	0.034	65.182	0.038	65.203	0.058	65.224	0.054
65.253	0.054	65.284	0.045	65.307	0.033	65.335	0.017
65.354	0.005	65.379	-0.012	65.406	-0.028	65.433	-0.028
65.460	-0.044	65.492	-0.065	65.531	-0.073	65.565	-0.085
65.594	-0.093	65.623	-0.117	65.649	-0.121	65.674	-0.125
65.704	-0.125	65.732	-0.125	65.760	-0.101	65.793	-0.088
65.824	-0.092	65.855	-0.068	65.887	-0.059	65.913	-0.059
65.946	-0.039	65.982	-0.010	66.017	-0.010	66.046	0.007
66.066	0.019	66.087	0.003	66.113	-0.009	66.138	-0.009
66.169	-0.021	66.199	-0.029	66.222	-0.037	66.248	-0.037
66.278	-0.073	66.306	-0.097	66.333	-0.105	66.363	-0.130
66.394	-0.138	66.421	-0.134	66.446	-0.138	66.475	-0.146
66.509	-0.150	66.540	-0.138	66.578	-0.126	66.607	-0.105
66.639	-0.073	66.669	-0.069	66.704	-0.057	66.738	-0.053
66.766	-0.033	66.800	-0.004	66.828	0.012	66.860	0.016
66.893	0.024	66.927	0.037	66.962	0.033	66.997	0.029
67.034	0.025	67.071	0.013	67.102	-0.007	67.138	-0.023
67.177	-0.047	67.212	-0.059	67.257	-0.071	67.297	-0.079
67.329	-0.091	67.356	-0.100	67.379	-0.092	67.403	-0.084
67.437	-0.072	67.468	-0.064	67.503	-0.056	67.533	-0.044
67.565	-0.040	67.596	-0.044	67.623	-0.024	67.655	-0.024
67.684	-0.024	67.715	-0.033	67.747	-0.033	67.774	-0.050
67.806	-0.054	67.835	-0.046	67.869	-0.066	67.901	-0.067
67.935	-0.071	67.973	-0.088	68.003	-0.092	68.031	-0.088
68.064	-0.092	68.094	-0.109	68.124	-0.117	68.157	-0.125
68.186	-0.117	68.232	-0.097	68.266	-0.085	68.304	-0.069
68.346	-0.057	68.386	-0.032	68.422	-0.008	68.460	0.029

68.488	0.037	68.520	0.045	68.556	0.045	68.585	0.050
68.616	0.050	68.645	0.042	68.678	0.038	68.707	0.022
68.736	0.006	68.757	-0.018	68.783	-0.018	68.807	-0.026
68.834	-0.030	68.871	-0.058	68.898	-0.083	68.930	-0.091
68.963	-0.123	68.990	-0.140	69.014	-0.128	69.039	-0.124
69.061	-0.132	69.087	-0.132	69.109	-0.132	69.130	-0.124
69.153	-0.129	69.176	-0.129	69.200	-0.113	69.233	-0.089
69.259	-0.061	69.286	-0.045	69.311	-0.033	69.335	-0.017
69.358	-0.018	69.383	-0.030	69.406	-0.014	69.432	0.019
69.452	0.023	69.480	0.018	69.510	0.006	69.539	-0.010
69.567	-0.035	69.597	-0.043	69.626	-0.038	69.650	-0.034
69.680	-0.054	69.708	-0.075	69.734	-0.095	69.768	-0.119
69.798	-0.123	69.825	-0.110	69.850	-0.110	69.877	-0.098
69.905	-0.097	69.928	-0.105	69.949	-0.109	69.975	-0.100
69.999	-0.096	70.031	-0.084	70.058	-0.075	70.081	-0.059
70.102	-0.055	70.124	-0.042	70.148	-0.054	70.176	-0.054
70.200	-0.046	70.227	-0.025	70.253	-0.021	70.278	-0.021
70.305	-0.008	70.330	0.016	70.354	0.016	70.379	0.012
70.399	0.004	70.424	0.016	70.447	0.028	70.475	0.015
70.505	0.011	70.531	0.015	70.559	0.003	70.580	-0.018
70.610	-0.026	70.644	-0.034	70.678	-0.039	70.714	-0.047
70.730	-0.043	70.757	-0.064	70.785	-0.080	70.814	-0.088
70.834	-0.100	70.852	-0.117	70.872	-0.117	70.891	-0.101
70.913	-0.076	70.930	-0.068	70.950	-0.069	70.974	-0.065
70.995	-0.057	71.018	-0.044	71.045	-0.041	71.065	-0.041
71.090	-0.029	71.111	-0.012	71.131	-0.013	71.158	-0.017
71.183	-0.033	71.215	-0.033	71.242	-0.049	71.269	-0.041
71.295	-0.038	71.322	-0.050	71.350	-0.062	71.373	-0.095
71.403	-0.055	71.431	-0.095	71.457	-0.087	71.482	-0.088
71.506	-0.080	71.533	-0.084	71.562	-0.080	71.587	-0.084
71.618	-0.089	71.649	-0.077	71.666	-0.061	71.694	-0.057
71.720	-0.045	71.747	-0.037	71.768	-0.033	71.794	-0.034
71.814	-0.018	71.837	-0.014	71.863	-0.019	71.889	-0.011
71.913	-0.016	71.939	-0.008	71.958	-0.001	71.979	-0.001
72.000	-0.010	72.021	-0.002	72.039	0.010	72.060	0.001
72.079	-0.011	72.099	-0.036	72.121	-0.040	72.149	-0.045
72.169	-0.041	72.190	-0.050	72.214	-0.050	72.238	-0.055
72.261	-0.059	72.285	-0.084	72.303	-0.108	72.328	-0.117
72.354	-0.113	72.383	-0.113	72.411	-0.117	72.437	-0.108
72.460	-0.096	72.481	-0.109	72.496	-0.100	72.519	-0.096
72.538	-0.080	72.563	-0.064	72.590	-0.060	72.613	-0.052
72.642	-0.048	72.669	-0.036	72.695	-0.015	72.719	0.001
72.745	0.013	72.766	0.017	72.794	0.029	72.816	0.041
72.831	0.041	72.848	0.025	72.870	0.013	72.885	0.017
72.905	0.037	72.931	0.028	72.956	0.028	72.976	0.040
72.995	0.032	73.021	0.019	73.052	-0.005	73.078	-0.021
73.101	-0.038	73.126	-0.054	73.152	-0.074	73.175	-0.075
73.197	-0.079	73.221	-0.111	73.243	-0.119	73.267	-0.107
73.289	-0.111	73.313	-0.120	73.337	-0.124	73.356	-0.120
73.377	-0.099	73.398	-0.112	73.423	-0.103	73.446	-0.091
73.475	-0.079	73.496	-0.071	73.518	-0.071	73.540	-0.047
73.565	-0.039	73.597	-0.027	73.623	-0.019	73.650	-0.007
73.677	0.005	73.704	0.009	73.733	0.025	73.761	0.020
73.786	0.016	73.810	0.016	73.833	0.020	73.860	0.008
73.880	-0.005	73.895	-0.017	73.917	0.003	73.937	-0.005
73.958	-0.013	73.981	-0.037	74.006	-0.054	74.030	-0.058

74.049	-0.062	74.070	-0.078	74.090	-0.078	74.110	-0.078
74.130	-0.082	74.153	-0.094	74.176	-0.098	74.200	-0.102
74.228	-0.098	74.253	-0.102	74.273	-0.089	74.294	-0.077
74.316	-0.065	74.341	-0.061	74.367	-0.062	74.392	-0.054
74.415	-0.050	74.441	-0.055	74.464	-0.043	74.486	-0.035
74.511	-0.048	74.525	-0.052	74.553	-0.072	74.572	-0.052
74.593	-0.028	74.612	0.012	74.632	0.040	74.650	0.040
74.671	0.027	74.694	0.011	74.716	0.022	74.736	0.038
74.757	0.050	74.774	0.030	74.794	-0.006	74.808	-0.022
74.828	-0.035	74.847	-0.031	74.866	-0.022	74.887	-0.010
74.902	-0.006	74.918	-0.006	74.935	-0.027	74.952	-0.059
74.967	-0.095	74.985	-0.148	75.003	-0.176	75.022	-0.189
75.039	-0.144	75.059	-0.120	75.080	-0.092	75.101	-0.096
75.119	-0.120	75.138	-0.169	75.158	-0.214	75.181	-0.210
75.211	-0.182	75.234	-0.154	75.261	-0.118	75.285	-0.094
75.308	-0.082	75.333	-0.095	75.357	-0.103	75.386	-0.071
75.407	-0.035	75.437	-0.024	75.469	-0.016	75.495	-0.005
75.520	0.011	75.537	-0.001	75.548	-0.006	75.563	0.022
75.582	0.042	75.603	0.021	75.619	0.005	75.637	0.028
75.651	0.065	75.666	0.080	75.682	0.048	75.694	0.031
75.709	0.023	75.726	0.018	75.745	0.026	75.762	0.009
75.779	-0.007	75.801	-0.032	75.828	-0.025	75.850	-0.021
75.874	-0.050	75.888	-0.087	75.900	-0.104	75.920	-0.116
75.938	-0.117	75.958	-0.117	75.972	-0.146	75.989	-0.179
76.003	-0.199	76.020	-0.191	76.032	-0.176	76.039	-0.155
76.048	-0.144	76.057	-0.148	76.066	-0.152	76.083	-0.160
76.102	-0.168	76.123	-0.164	76.150	-0.193	76.176	-0.209
76.210	-0.161	76.234	-0.121	76.272	-0.105	76.300	-0.065
76.346	-0.021	76.376	0.012	76.422	0.076	76.443	0.060
76.469	0.052	76.500	0.076	76.519	0.072	76.541	0.076
76.567	0.096	76.586	0.116	76.609	0.080	76.636	0.031
76.666	-0.014	76.687	-0.042	76.718	-0.067	76.745	-0.079
76.765	-0.079	76.793	-0.092	76.814	-0.149	76.835	-0.205
76.858	-0.238	76.881	-0.206	76.909	-0.162	76.921	-0.150
76.946	-0.170	76.975	-0.179	76.992	-0.175	77.025	-0.175
77.043	-0.123	77.058	-0.095	77.085	-0.131	77.103	-0.152
77.129	-0.096	77.150	-0.076	77.181	-0.084	77.198	-0.085
77.224	-0.024	77.246	0.040	77.274	-0.021	77.297	-0.054
77.323	0.019	77.343	0.067	77.362	0.071	77.394	0.014
77.415	0.054	77.446	0.087	77.475	0.058	77.511	0.042
77.540	0.042	77.570	0.042	77.591	0.010	77.616	-0.055
77.640	-0.083	77.665	-0.074	77.695	-0.066	77.728	-0.123
77.763	-0.130	77.788	-0.146	77.812	-0.170	77.836	-0.186
77.865	-0.150	77.895	-0.118	77.918	-0.167	77.945	-0.187
77.976	-0.155	78.014	-0.087	78.047	-0.075	78.094	-0.047
78.125	-0.108	78.151	-0.128	78.184	-0.088	78.211	-0.048
78.234	0.001	78.251	0.041	78.270	0.057	78.288	0.033
78.312	0.000	78.339	-0.032	78.368	-0.025	78.384	-0.033
78.417	-0.008	78.455	0.012	78.476	0.016	78.503	-0.041
78.542	-0.069	78.567	-0.069	78.602	-0.073	78.628	-0.049
78.659	-0.033	78.685	-0.069	78.707	-0.110	78.730	-0.138
78.759	-0.154	78.780	-0.154	78.809	-0.122	78.833	-0.073
78.873	-0.057	78.898	-0.065	78.939	-0.126	78.967	-0.170
78.997	-0.122	79.029	-0.073	79.056	-0.049	79.091	-0.029
79.121	-0.061	79.163	-0.101	79.201	-0.049	79.235	-0.000
79.266	0.012	79.303	-0.029	79.333	-0.053	79.365	-0.061

79.392	-0.009	79.427	0.039	79.447	0.043	79.492	-0.018
79.519	-0.059	79.552	-0.064	79.583	-0.076	79.633	-0.069
79.666	-0.099	79.690	-0.108	79.711	-0.108	79.732	-0.117
79.763	-0.134	79.798	-0.131	79.840	-0.096	79.868	-0.093
79.896	-0.106	79.921	-0.066	79.949	-0.038	79.985	-0.035
80.013	-0.031	80.042	-0.020	80.069	0.000	80.100	0.004
80.112	-0.008	80.147	0.032	80.181	0.008	80.210	-0.004
80.260	0.024	80.287	-0.008	80.308	-0.008	80.350	0.016
80.397	-0.057	80.436	-0.073	80.483	-0.045	80.519	-0.045
80.574	-0.066	80.629	-0.107	80.644	-0.115	80.677	-0.099
80.707	-0.092	80.725	-0.092	80.753	-0.117	80.786	-0.109
80.816	-0.114	80.846	-0.126	80.880	-0.086	80.912	-0.058
80.945	-0.067	80.978	-0.068	81.014	-0.040	81.046	-0.025
81.074	-0.009	81.100	0.003	81.131	-0.006	81.173	-0.023
81.203	-0.023	81.223	-0.023	81.262	-0.044	81.294	-0.044
81.325	-0.044	81.365	-0.061	81.404	-0.097	81.443	-0.105
81.469	-0.105	81.510	-0.105	81.545	-0.081	81.558	-0.085
81.583	-0.093	81.603	-0.097	81.624	-0.101	81.667	-0.105
81.714	-0.101	81.759	-0.061	81.802	-0.053	81.839	-0.037
81.880	-0.037	81.909	-0.037	81.942	-0.012	81.975	0.000
82.005	-0.004	82.031	-0.012	82.069	-0.016	82.090	-0.020
82.121	-0.052	82.146	-0.032	82.180	-0.035	82.235	-0.039
82.270	-0.035	82.289	-0.035	82.318	-0.067	82.351	-0.095
82.394	-0.106	82.427	-0.094	82.454	-0.086	82.492	-0.082
82.527	-0.098	82.577	-0.114	82.578	-0.114	82.616	-0.093
82.642	-0.081	82.664	-0.073	82.694	-0.077	82.730	-0.077
82.753	-0.085	82.770	-0.085	82.803	-0.057	82.826	-0.049
82.850	-0.049	82.869	-0.053	82.919	-0.053	82.935	-0.057
82.954	-0.066	82.976	-0.066	83.010	-0.050	83.023	-0.054
83.045	-0.054	83.069	-0.050	83.092	-0.042	83.111	-0.043
83.143	-0.088	83.180	-0.084	83.199	-0.093	83.230	-0.089
83.257	-0.069	83.282	-0.086	83.307	-0.094	83.324	-0.095
83.354	-0.103	83.387	-0.104	83.416	-0.072	83.444	-0.032
83.467	-0.032	83.482	-0.032	83.505	-0.036	83.521	-0.041
83.540	-0.037	83.565	-0.037	83.586	-0.037	83.619	-0.038
83.639	-0.042	83.645	-0.034	83.669	-0.022	83.699	-0.026
83.730	-0.038	83.751	-0.050	83.790	-0.050	83.806	-0.050
83.831	-0.051	83.856	-0.051	83.871	-0.055	83.893	-0.055
83.919	-0.067	83.943	-0.071	83.973	-0.067	84.002	-0.067
84.031	-0.083	84.063	-0.075	84.091	-0.071	84.112	-0.083
84.135	-0.095	84.157	-0.099	84.186	-0.099	84.208	-0.103
84.237	-0.103	84.262	-0.091	84.286	-0.091	84.311	-0.091
84.327	-0.095	84.360	-0.087	84.379	-0.087	84.391	-0.091
84.420	-0.083	84.443	-0.079	84.466	-0.075	84.488	-0.071
84.511	-0.071	84.523	-0.075	84.541	-0.074	84.568	-0.074
84.595	-0.074	84.629	-0.066	84.661	-0.046	84.685	-0.034
84.713	-0.038	84.734	-0.042	84.762	-0.058	84.788	-0.058
84.814	-0.062	84.838	-0.066	84.861	-0.066	84.888	-0.074
84.914	-0.075	84.949	-0.075	84.980	-0.080	85.010	-0.080
85.045	-0.081	85.073	-0.085	85.112	-0.090	85.155	-0.083
85.181	-0.075	85.223	-0.068	85.270	-0.061	85.305	-0.058
85.333	-0.043	85.369	-0.040	85.392	-0.040	85.429	-0.032
85.460	-0.016	85.490	-0.009	85.520	-0.005	85.551	-0.001
85.571	-0.006	85.597	-0.018	85.635	-0.035	85.655	-0.034
85.682	-0.042	85.700	-0.046	85.731	-0.054	85.759	-0.066
85.783	-0.086	85.809	-0.102	85.836	-0.114	85.858	-0.126

85.884	-0.122	85.905	-0.126	85.921	-0.122	85.939	-0.130
85.977	-0.154	86.009	-0.171	86.036	-0.163	86.058	-0.155
86.083	-0.136	86.115	-0.100	86.148	-0.096	86.182	-0.090
86.213	-0.079	86.237	-0.059	86.265	-0.028	86.288	-0.004
86.324	0.011	86.357	0.002	86.386	0.005	86.407	0.025
86.437	0.048	86.464	0.043	86.487	0.022	86.510	0.030
86.537	-0.003	86.564	-0.028	86.585	-0.042	86.606	-0.043
86.626	-0.049	86.640	-0.066	86.652	-0.075	86.661	-0.076
86.673	-0.092	86.683	-0.093	86.694	-0.105	86.715	-0.122
86.738	-0.150	86.765	-0.170	86.787	-0.162	86.805	-0.162
86.822	-0.182	86.846	-0.182	86.861	-0.162	86.879	-0.154
86.893	-0.170	86.912	-0.170	86.929	-0.170	86.952	-0.158
86.977	-0.146	87.003	-0.122	87.020	-0.114	87.040	-0.094
87.056	-0.066	87.071	-0.054	87.082	-0.067	87.097	-0.059
87.113	-0.035	87.130	-0.011	87.148	-0.011	87.170	-0.004
87.188	0.004	87.203	0.003	87.224	0.015	87.248	0.032
87.268	0.019	87.286	0.007	87.304	-0.001	87.320	0.012
87.335	0.016	87.356	-0.000	87.373	-0.024	87.393	-0.028
87.409	-0.019	87.432	-0.015	87.446	-0.023	87.459	-0.039
87.472	-0.055	87.485	-0.067	87.498	-0.075	87.511	-0.079
87.528	-0.092	87.545	-0.108	87.561	-0.120	87.575	-0.145
87.591	-0.153	87.604	-0.153	87.622	-0.161	87.640	-0.165
87.661	-0.169	87.682	-0.177	87.703	-0.185	87.723	-0.181
87.744	-0.185	87.765	-0.197	87.783	-0.197	87.802	-0.181
87.821	-0.168	87.850	-0.140	87.873	-0.111	87.885	-0.111
87.902	-0.094	87.921	-0.086	87.944	-0.086	87.970	-0.086
87.994	-0.065	88.021	-0.045	88.045	-0.029	88.068	-0.008
88.091	0.012	88.114	0.020	88.140	0.012	88.163	0.004
88.188	0.008	88.208	0.020	88.233	0.004	88.251	-0.000
88.269	-0.004	88.285	-0.008	88.304	-0.012	88.323	-0.020
88.341	-0.041	88.360	-0.045	88.384	-0.073	88.407	-0.069
88.427	-0.089	88.448	-0.101	88.473	-0.122	88.503	-0.138
88.530	-0.138	88.549	-0.142	88.570	-0.154	88.603	-0.174
88.622	-0.174	88.652	-0.154	88.689	-0.142	88.708	-0.130
88.741	-0.105	88.763	-0.093	88.789	-0.097	88.814	-0.097
88.833	-0.081	88.864	-0.074	88.892	-0.050	88.911	-0.034
88.939	-0.022	88.960	-0.023	88.975	-0.023	88.995	-0.019
89.014	-0.020	89.045	-0.017	89.080	-0.006	89.113	0.006
89.144	-0.015	89.172	-0.044	89.210	-0.061	89.247	-0.073
89.276	-0.081	89.301	-0.093	89.328	-0.113	89.352	-0.137
89.374	-0.144	89.400	-0.152	89.427	-0.147	89.451	-0.135
89.486	-0.134	89.516	-0.142	89.546	-0.134	89.580	-0.130
89.614	-0.126	89.645	-0.105	89.691	-0.101	89.725	-0.089
89.757	-0.089	89.791	-0.065	89.819	-0.057	89.847	-0.053
89.877	-0.053	89.901	-0.037	89.937	-0.037	89.967	-0.029
89.994	-0.033	90.025	-0.033	90.060	-0.020	90.085	-0.032
90.117	-0.036	90.135	-0.036	90.166	-0.043	90.188	-0.067
90.224	-0.079	90.259	-0.082	90.283	-0.078	90.316	-0.082
90.337	-0.074	90.364	-0.094	90.395	-0.099	90.426	-0.091
90.463	-0.087	90.491	-0.079	90.522	-0.074	90.547	-0.073
90.575	-0.077	90.614	-0.068	90.641	-0.059	90.678	-0.058
90.703	-0.054	90.717	-0.058	90.738	-0.066	90.764	-0.075
90.794	-0.079	90.818	-0.064	90.856	-0.061	90.891	-0.062
90.925	-0.068	90.943	-0.076	90.965	-0.077	90.995	-0.074
91.028	-0.067	91.050	-0.079	91.074	-0.116	91.095	-0.137
91.125	-0.129	91.159	-0.125	91.188	-0.121	91.214	-0.081

91.250	-0.089	91.277	-0.093	91.304	-0.121	91.325	-0.133
91.346	-0.156	91.377	-0.152	91.393	-0.091	91.408	-0.046
91.426	-0.017	91.447	-0.054	91.465	-0.086	91.489	-0.118
91.513	-0.134	91.549	-0.150	91.564	-0.118	91.585	-0.061
91.603	-0.008	91.613	0.012	91.629	0.004	91.649	-0.016
91.671	-0.045	91.698	-0.093	91.724	-0.114	91.746	-0.114
91.761	-0.073	91.778	-0.016	91.794	0.024	91.809	0.032
91.827	0.016	91.851	-0.029	91.873	-0.061	91.895	-0.089
91.922	-0.093	91.943	-0.089	91.961	-0.065	91.977	-0.041
91.993	-0.037	92.016	-0.065	92.035	-0.061	92.065	-0.069
92.084	-0.113	92.100	-0.133	92.118	-0.153	92.133	-0.133
92.148	-0.092	92.169	-0.096	92.186	-0.083	92.211	-0.083
92.235	-0.082	92.257	-0.078	92.271	-0.098	92.289	-0.114
92.311	-0.106	92.332	-0.090	92.359	-0.085	92.387	-0.077
92.418	-0.069	92.446	-0.077	92.470	-0.085	92.500	-0.085
92.526	-0.085	92.548	-0.101	92.582	-0.105	92.609	-0.077
92.638	-0.049	92.660	-0.041	92.685	-0.057	92.704	-0.090
92.726	-0.107	92.746	-0.103	92.768	-0.096	92.793	-0.109
92.820	-0.070	92.841	-0.055	92.868	-0.065	92.903	-0.079
92.933	-0.100	92.969	-0.110	92.999	-0.091	93.028	-0.076
93.051	-0.064	93.079	-0.052	93.105	-0.065	93.133	-0.081
93.154	-0.058	93.186	-0.086	93.214	-0.070	93.238	-0.058
93.263	-0.046	93.296	-0.050	93.325	-0.063	93.356	-0.087
93.373	-0.091	93.396	-0.079	93.427	-0.075	93.456	-0.058
93.484	-0.058	93.505	-0.058	93.526	-0.054	93.556	-0.054
93.583	-0.074	93.611	-0.082	93.650	-0.085	93.684	-0.065
93.723	-0.065	93.748	-0.065	93.771	-0.085	93.791	-0.097
93.814	-0.093	93.842	-0.088	93.882	-0.080	93.908	-0.084
93.930	-0.084	93.962	-0.096	93.992	-0.084	94.022	-0.080
94.060	-0.081	94.085	-0.065	94.109	-0.041	94.136	-0.054
94.170	-0.067	94.199	-0.067	94.223	-0.076	94.251	-0.085
94.276	-0.094	94.302	-0.066	94.330	-0.084	94.361	-0.081
94.392	-0.078	94.409	-0.083	94.431	-0.092	94.457	-0.093
94.483	-0.085	94.519	-0.078	94.551	-0.087	94.585	-0.088
94.622	-0.088	94.632	-0.089	94.664	-0.093	94.693	-0.073
94.718	-0.056	94.753	-0.051	94.804	-0.037	94.845	-0.035
94.886	-0.021	94.933	-0.023	94.968	-0.034	95.002	-0.046
95.040	-0.061	95.082	-0.053	95.116	-0.053	95.154	-0.061
95.171	-0.077	95.194	-0.085	95.218	-0.101	95.245	-0.085
95.271	-0.089	95.293	-0.097	95.316	-0.101	95.331	-0.097
95.358	-0.101	95.393	-0.105	95.427	-0.089	95.462	-0.077
95.492	-0.077	95.522	-0.073	95.546	-0.077	95.576	-0.089
95.608	-0.097	95.634	-0.077	95.669	-0.065	95.685	-0.061
95.718	-0.073	95.744	-0.081	95.775	-0.085	95.804	-0.097
95.830	-0.073	95.854	-0.082	95.886	-0.082	95.915	-0.082
95.960	-0.083	95.999	-0.083	96.033	-0.088	96.055	-0.085
96.085	-0.077	96.105	-0.074	96.127	-0.087	96.148	-0.087
96.189	-0.084	96.238	-0.072	96.263	-0.052	96.288	-0.036
96.322	-0.049	96.354	-0.049	96.377	-0.053	96.414	-0.049
96.449	-0.037	96.485	-0.025	96.514	-0.037	96.552	-0.038
96.580	-0.066	96.609	-0.071	96.636	-0.071	96.668	-0.064
96.689	-0.061	96.725	-0.078	96.754	-0.095	96.787	-0.112
96.811	-0.124	96.840	-0.105	96.869	-0.097	96.896	-0.094
96.915	-0.086	96.934	-0.095	96.966	-0.108	97.000	-0.112
97.032	-0.097	97.058	-0.081	97.082	-0.057	97.103	-0.054
97.141	-0.067	97.184	-0.055	97.218	-0.059	97.262	-0.056

97.298	-0.044	97.331	-0.060	97.358	-0.077	97.385	-0.081
97.411	-0.086	97.426	-0.086	97.438	-0.078	97.452	-0.074
97.470	-0.070	97.487	-0.070	97.509	-0.086	97.533	-0.091
97.559	-0.095	97.582	-0.099	97.600	-0.111	97.624	-0.112
97.642	-0.108	97.664	-0.108	97.690	-0.108	97.715	-0.104
97.739	-0.104	97.762	-0.100	97.784	-0.097	97.806	-0.097
97.828	-0.093	97.848	-0.097	97.874	-0.097	97.908	-0.093
97.938	-0.090	97.965	-0.090	97.993	-0.086	98.013	-0.090
98.047	-0.095	98.072	-0.095	98.100	-0.099	98.126	-0.100
98.158	-0.092	98.182	-0.088	98.212	-0.093	98.242	-0.097
98.265	-0.098	98.292	-0.106	98.322	-0.103	98.356	-0.099
98.384	-0.104	98.419	-0.105	98.440	-0.109	98.458	-0.113
98.483	-0.114	98.510	-0.110	98.539	-0.107	98.564	-0.099
98.587	-0.108	98.612	-0.108	98.642	-0.108	98.666	-0.104
98.690	-0.112	98.717	-0.108	98.743	-0.100	98.769	-0.104
98.792	-0.104	98.816	-0.108	98.847	-0.112	98.876	-0.108
98.906	-0.100	98.931	-0.100	98.958	-0.108	98.994	-0.116
99.019	-0.116	99.046	-0.116	99.073	-0.112	99.097	-0.104
99.132	-0.108	99.164	-0.104	99.194	-0.101	99.220	-0.101
99.250	-0.097	99.281	-0.093	99.305	-0.089	99.332	-0.073
99.357	-0.086	99.387	-0.090	99.419	-0.090	99.451	-0.091
99.479	-0.083	99.511	-0.083	99.541	-0.083	99.570	-0.095
99.598	-0.096	99.627	-0.100	99.654	-0.096	99.680	-0.088
99.713	-0.088	99.740	-0.092	99.770	-0.100	99.796	-0.092
99.827	-0.096	99.858	-0.097	99.890	-0.089	99.920	-0.082
99.947	-0.083	99.978	-0.079	100.008	-0.092	100.040	-0.089
100.069	-0.077	100.102	-0.074	100.129	-0.075	100.170	-0.088
100.202	-0.088	100.235	-0.093	100.265	-0.094	100.303	-0.107
100.329	-0.112	100.361	-0.117	100.397	-0.117	100.427	-0.118
100.457	-0.126	100.487	-0.143	100.516	-0.139	100.544	-0.139
100.579	-0.135	100.607	-0.135	100.636	-0.132	100.666	-0.132
100.696	-0.128	100.723	-0.120	100.750	-0.121	100.783	-0.113
100.810	-0.093	100.843	-0.101	100.871	-0.097	100.901	-0.089
100.937	-0.085	100.975	-0.077	101.016	-0.081	101.040	-0.089
101.070	-0.085	101.101	-0.085	101.132	-0.085	101.174	-0.098
101.206	-0.090	101.232	-0.102	101.262	-0.118	101.291	-0.122
101.327	-0.114	101.355	-0.123	101.386	-0.127	101.416	-0.131
101.448	-0.119	101.481	-0.115	101.517	-0.111	101.559	-0.095
101.582	-0.095	101.597	-0.087	101.617	-0.083	101.638	-0.075
101.659	-0.071	101.679	-0.067	101.700	-0.059	101.715	-0.059
101.730	-0.067						

IG109
71.023 2/9/71 0600 PST CIT MILLIKAN LIBRARY, 10 TH FL. DGWN

5845 POINTS 101.691 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1281 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.015	0.008	-0.205	0.014	-0.371	0.021	-0.509
0.029	-0.602	0.041	-0.480	0.051	-0.221	0.058	-0.015
0.064	0.099	0.074	0.155	0.087	0.111	0.094	0.050
0.103	0.030	0.114	0.022	0.132	0.087	0.142	0.010
0.152	-0.079	0.159	-0.112	0.176	-0.087	0.186	-0.010
0.196	0.042	0.211	0.014	0.224	-0.075	0.236	-0.156
0.253	-0.156	0.264	-0.038	0.276	0.063	0.287	-0.038
0.296	-0.107	0.308	-0.103	0.319	-0.014	0.332	0.092
0.345	-0.009	0.356	-0.078	0.368	0.092	0.380	0.331
0.388	0.509	0.396	0.558	0.405	0.489	0.416	0.137
0.426	-0.183	0.436	-0.413	0.441	-0.462	0.458	-0.102
0.466	0.137	0.478	0.255	0.494	0.012	0.504	-0.223
0.511	-0.372	0.519	-0.417	0.531	-0.328	0.559	0.138
0.575	0.405	0.586	0.506	0.594	0.523	0.603	0.442
0.621	0.070	0.627	-0.060	0.646	-0.193	0.665	-0.149
0.681	-0.035	0.688	0.034	0.698	0.046	0.710	-0.043
0.716	-0.164	0.728	-0.278	0.751	-0.229	0.769	0.075
0.778	0.253	0.786	0.318	0.793	0.257	0.811	-0.054
0.821	-0.261	0.831	-0.317	0.852	-0.147	0.863	-0.038
0.876	0.140	0.890	0.233	0.905	0.209	0.924	0.415
0.939	0.217	0.952	-0.236	0.958	-0.337	0.968	-0.374
0.989	-0.167	1.005	0.100	1.024	0.286	1.032	0.218
1.044	-0.102	1.050	-0.232	1.062	-0.296	1.080	-0.029
1.090	0.210	1.103	0.367	1.125	0.198	1.140	0.080
1.161	-0.045	1.179	-0.062	1.200	-0.163	1.216	-0.118
1.227	-0.134	1.243	-0.062	1.264	-0.130	1.284	0.036
1.303	0.193	1.321	0.015	1.334	-0.090	1.351	0.064
1.364	0.198	1.385	0.028	1.404	-0.155	1.427	0.064
1.450	0.339	1.473	0.048	1.490	-0.280	1.508	-0.037
1.523	0.177	1.543	0.141	1.568	0.141	1.588	0.129
1.604	-0.122	1.613	-0.397	1.625	-0.567	1.645	-0.203
1.665	0.274	1.686	0.533	1.703	0.347	1.721	0.036
1.739	-0.191	1.758	-0.033	1.776	-0.033	1.788	-0.033
1.809	-0.207	1.827	-0.349	1.850	-0.325	1.870	-0.049
1.886	0.165	1.906	0.198	1.925	0.206	1.948	0.072
1.970	-0.057	1.992	-0.284	2.008	-0.025	2.017	0.185
2.028	0.306	2.040	0.165	2.049	0.007	2.057	-0.143
2.071	-0.528	2.080	-0.625	2.093	-0.459	2.105	-0.107
2.113	0.168	2.120	0.346	2.130	0.435	2.142	0.333
2.155	0.062	2.172	-0.205	2.191	0.086	2.201	0.316

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
2.210	0.522	2.221	0.607	2.233	0.494	2.253	0.226
2.263	0.157	2.275	-0.017	2.286	-0.082	2.304	-0.297
2.319	-0.050	2.330	0.123	2.347	0.160	2.367	-0.144
2.381	-0.315	2.401	-0.016	2.418	0.219	2.430	-0.077
2.444	-0.437	2.455	-0.591	2.470	-0.252	2.480	0.242
2.490	0.513	2.500	0.558	2.512	0.380	2.518	0.157
2.527	-0.098	2.544	-0.381	2.561	-0.292	2.572	-0.227
2.588	0.238	2.598	0.513	2.607	0.606	2.619	0.412
2.627	0.028	2.634	-0.341	2.646	-0.535	2.666	-0.163
2.683	0.489	2.702	0.732	2.713	0.509	2.725	0.084
2.732	-0.211	2.745	-0.458	2.769	-0.045	2.779	0.214
2.795	0.413	2.817	0.113	2.830	-0.247	2.843	-0.522
2.863	-0.149	2.878	0.074	2.888	0.151	2.901	0.046
2.919	-0.185	2.942	-0.160	2.969	0.063	2.985	-0.063
3.007	-0.330	3.029	-0.115	3.049	0.213	3.075	0.266
3.102	0.266	3.116	-0.159	3.134	-0.580	3.149	-0.260
3.158	0.100	3.167	0.513	3.178	0.099	3.195	0.197
3.207	-0.317	3.224	-0.620	3.246	-0.159	3.260	0.193
3.274	0.367	3.290	0.549	3.310	0.314	3.327	0.169
3.356	0.460	3.381	0.379	3.402	0.075	3.421	0.123
3.444	-0.274	3.459	-0.504	3.480	-0.116	3.494	0.115
3.513	-0.201	3.527	-0.432	3.562	0.012	3.582	0.360
3.604	-0.033	3.628	-0.434	3.653	0.092	3.675	0.444
3.702	-0.103	3.723	-0.479	3.750	-0.079	3.768	0.160
3.782	0.160	3.804	0.451	3.819	-0.023	3.834	-0.367
3.855	0.038	3.866	0.357	3.878	0.495	3.894	0.115
3.912	-0.169	3.935	-0.153	3.965	0.175	3.983	0.446
3.997	0.442	4.019	0.081	4.030	-0.206	4.045	-0.538
4.062	-0.186	4.074	0.004	4.089	-0.222	4.104	-0.401
4.129	0.004	4.156	0.450	4.168	-0.093	4.177	-0.547
4.195	-0.580	4.223	-0.515	4.231	-0.110	4.237	0.254
4.245	0.607	4.261	1.035	4.288	0.695	4.304	0.489
4.313	0.291	4.331	-0.126	4.362	-0.195	4.389	0.251
4.407	-0.178	4.417	-0.441	4.446	-0.502	4.471	-0.020
4.483	0.194	4.503	0.227	4.522	0.470	4.539	0.619
4.556	0.203	4.568	0.158	4.583	0.364	4.595	0.551
4.623	-0.040	4.639	-0.558	4.660	-1.004	4.681	-0.777
4.695	-0.409	4.710	-0.040	4.723	0.223	4.748	0.494
4.768	0.296	4.783	0.215	4.802	-0.170	4.829	-0.417
4.850	-0.118	4.863	0.064	4.869	-0.224	4.919	-0.681

4.944	-0.240	4.962	0.285	4.971	0.536	4.986	0.674
5.004	0.536	5.020	0.098	5.035	-0.225	5.055	0.325
5.076	0.790	5.093	0.458	5.108	-0.097	5.119	-0.615
5.132	-0.765	5.151	-0.243	5.164	0.178	5.177	0.388
5.192	0.570	5.215	-0.296	5.231	-0.757	5.251	-0.130
5.264	0.367	5.274	0.529	5.290	0.359	5.312	0.327
5.352	0.400	5.367	0.193	5.383	0.044	5.409	0.226
5.425	0.028	5.445	-0.673	5.465	-1.162	5.484	-0.729
5.499	-0.090	5.511	0.161	5.527	0.141	5.545	0.226
5.580	0.019	5.605	0.392	5.628	0.643	5.649	0.060
5.671	-0.515	5.699	0.157	5.721	0.513	5.743	-0.029
5.770	-0.418	5.796	-0.276	5.830	-0.045	5.854	0.181
5.878	-0.147	5.893	-0.406	5.903	-0.442	5.915	-0.385
5.933	0.096	5.942	0.497	5.954	0.655	5.969	0.416
5.987	-0.450	5.998	-0.689	6.014	-0.199	6.026	0.124
6.036	0.278	6.069	-0.123	6.104	0.193	6.123	-0.062
6.136	-0.281	6.161	0.302	6.179	0.658	6.198	0.002
6.209	-0.516	6.224	-0.840	6.252	-0.285	6.270	-0.022
6.287	0.330	6.300	0.564	6.318	0.273	6.334	0.010
6.355	-0.169	6.375	0.034	6.390	0.361	6.403	0.555
6.422	0.260	6.440	0.175	6.465	-0.222	6.492	0.203
6.517	0.623	6.535	0.142	6.549	-0.563	6.564	-0.935
6.585	-0.421	6.607	-0.118	6.639	-0.296	6.668	-0.191
6.701	0.347	6.724	1.060	6.740	1.440	6.757	0.707
6.766	-0.045	6.779	-0.701	6.802	-0.078	6.818	0.234
6.853	-0.138	6.866	-0.733	6.878	-0.940	6.905	-0.325
6.935	0.234	6.950	0.169	6.974	-0.531	7.005	-1.170
7.028	-0.369	7.042	0.323	7.055	0.594	7.080	-0.009
7.102	-0.438	7.156	0.270	7.188	0.841	7.210	1.201
7.229	0.841	7.244	0.161	7.256	-0.183	7.276	-0.648
7.289	-0.543	7.311	-0.090	7.329	0.117	7.350	0.072
7.388	-0.341	7.408	-0.940	7.425	-1.041	7.451	-0.312
7.471	0.117	7.489	0.250	7.510	0.610	7.531	0.432
7.553	0.950	7.570	1.359	7.595	0.752	7.615	0.109
7.630	-0.154	7.653	0.449	7.664	0.655	7.685	0.243
7.697	-0.061	7.712	-0.065	7.724	0.020	7.742	0.081
7.768	0.320	7.796	-0.109	7.813	-0.736	7.828	-0.991
7.852	-0.557	7.867	-0.261	7.882	-0.221	7.903	-0.046
7.917	-0.252	7.930	-0.394	7.954	0.141	7.968	0.538
7.986	0.809	7.998	0.963	8.013	0.708	8.027	0.522
8.052	0.746	8.078	0.354	8.093	0.022	8.124	-0.386
8.144	-0.406	8.177	-0.660	8.198	-0.619	8.215	-0.736
8.231	-0.764	8.255	-0.140	8.275	0.435	8.288	0.621
8.315	0.099	8.333	-0.176	8.351	-0.152	8.380	0.460
8.394	0.719	8.415	0.355	8.428	0.092	8.457	-0.062
8.482	0.307	8.501	0.476	8.516	0.509	8.535	0.270
8.554	0.015	8.589	-0.439	8.613	-0.055	8.629	0.087
8.650	-0.144	8.667	-0.314	8.701	0.386	8.730	0.742
8.760	0.312	8.778	-0.109	8.791	-0.125	8.811	0.239
8.829	0.461	8.846	0.238	8.862	-0.167	8.883	-0.718
8.910	-0.471	8.926	-0.370	8.961	0.070	8.993	-0.266
9.014	-0.048	9.030	0.090	9.063	0.466	9.082	0.271
9.095	-0.129	9.122	-0.498	9.149	-0.025	9.179	0.331
9.210	0.161	9.230	-0.236	9.245	-0.389	9.269	-0.608
9.285	-0.604	9.317	-0.260	9.338	-0.260	9.372	0.129
9.385	0.161	9.399	0.278	9.417	0.040	9.439	-0.357

9.465	-0.066	9.491	-0.183	9.509	-0.442	9.521	-0.462
9.538	-0.717	9.559	-0.183	9.578	0.198	9.597	0.181
9.621	0.380	9.634	0.343	9.655	0.448	9.676	0.234
9.692	0.270	9.707	0.210	9.733	0.424	9.757	0.238
9.769	0.104	9.798	-0.082	9.814	0.044	9.832	0.076
9.857	-0.147	9.889	0.007	9.916	0.266	9.931	0.448
9.944	0.461	9.957	0.113	9.971	-0.049	9.986	0.060
10.000	-0.616	10.015	-0.474	10.026	-0.652	10.049	-0.280
10.070	-0.062	10.082	-0.070	10.111	0.157	10.130	0.278
10.143	0.185	10.152	0.185	10.171	-0.082	10.197	-0.256
10.219	0.015	10.237	0.225	10.263	-0.362	10.284	-0.580
10.320	-0.184	10.350	0.091	10.383	-0.273	10.400	-0.269
10.419	-0.326	10.434	-0.277	10.474	-0.104	10.490	-0.221
10.504	-0.238	10.538	-0.080	10.562	-0.129	10.610	0.182
10.636	-0.032	10.669	0.304	10.702	0.615	10.729	0.207
10.756	-0.162	10.777	0.037	10.798	0.223	10.824	0.085
10.844	0.065	10.878	-0.149	10.915	-0.016	10.927	0.106
10.938	0.264	10.950	0.405	10.962	0.438	10.970	0.397
10.977	0.308	10.988	0.150	11.001	0.021	11.016	-0.073
11.028	-0.154	11.044	-0.170	11.053	-0.214	11.063	-0.251
11.082	-0.263	11.091	-0.332	11.099	-0.385	11.103	-0.409
11.111	-0.360	11.123	-0.219	11.134	-0.037	11.141	0.016
11.147	0.028	11.154	0.008	11.164	-0.049	11.177	-0.106
11.185	-0.138	11.191	-0.146	11.197	-0.142	11.203	-0.082
11.213	0.007	11.224	0.088	11.234	0.121	11.240	0.100
11.249	0.036	11.258	-0.134	11.269	-0.256	11.276	-0.345
11.290	-0.393	11.297	-0.369	11.309	-0.276	11.323	-0.138
11.329	-0.082	11.341	-0.037	11.354	-0.001	11.363	0.092
11.373	0.177	11.384	0.230	11.392	0.266	11.400	0.319
11.409	0.355	11.415	0.415	11.421	0.436	11.427	0.403
11.435	0.330	11.443	0.257	11.457	0.220	11.470	0.204
11.481	0.208	11.489	0.224	11.501	0.208	11.507	0.236
11.514	0.317	11.523	0.401	11.531	0.425	11.537	0.393
11.546	0.275	11.558	0.162	11.565	0.113	11.571	0.105
11.580	0.133	11.588	0.173	11.603	0.169	11.621	0.197
11.630	0.172	11.642	0.103	11.652	0.091	11.665	0.098
11.679	0.118	11.697	0.089	11.713	0.097	11.725	0.056
11.732	0.040	11.740	0.068	11.751	0.173	11.764	0.294
11.772	0.338	11.778	0.346	11.784	0.326	11.794	0.241
11.802	0.172	11.811	0.119	11.825	0.033	11.833	-0.048
11.838	-0.137	11.849	-0.173	11.857	-0.157	11.869	-0.088
11.880	-0.020	11.895	0.037	11.909	0.065	11.916	0.081
11.922	0.049	11.933	-0.158	11.942	-0.381	11.948	-0.437
11.957	-0.449	11.964	-0.421	11.974	-0.348	11.987	-0.150
11.993	-0.025	12.006	0.076	12.013	0.165	12.022	0.242
12.030	0.258	12.038	0.222	12.047	0.129	12.059	-0.013
12.076	-0.086	12.090	-0.147	12.104	-0.207	12.117	-0.244
12.131	-0.227	12.146	-0.167	12.160	-0.122	12.179	-0.049
12.189	0.007	12.199	0.076	12.211	0.173	12.226	0.185
12.238	0.181	12.246	0.121	12.255	0.015	12.265	-0.013
12.275	0.023	12.289	0.165	12.302	0.335	12.310	0.396
12.316	0.408	12.324	0.367	12.336	0.250	12.347	0.108
12.354	-0.017	12.362	-0.033	12.371	-0.001	12.382	0.133
12.395	0.238	12.410	0.274	12.431	0.303	12.440	0.262
12.449	0.181	12.463	0.157	12.475	0.185	12.495	0.246
12.517	0.319	12.530	0.339	12.538	0.315	12.552	0.266

12.568	0.250	12.577	0.189	12.588	0.071	12.600	-0.111
12.609	-0.155	12.627	-0.168	12.642	-0.172	12.650	-0.152
12.661	-0.075	12.679	-0.027	12.688	0.026	12.695	0.070
12.703	0.087	12.714	0.046	12.725	-0.059	12.734	-0.229
12.747	-0.278	12.756	-0.230	12.770	-0.133	12.785	-0.000
12.797	0.024	12.807	-0.013	12.818	-0.130	12.827	-0.248
12.838	-0.289	12.845	-0.273	12.858	-0.148	12.867	-0.116
12.876	-0.152	12.888	-0.201	12.905	-0.230	12.921	-0.239
12.936	-0.150	12.947	-0.037	12.957	-0.009	12.965	-0.046
12.976	-0.147	12.995	-0.160	13.003	-0.132	13.017	-0.035
13.030	0.082	13.042	0.122	13.054	0.081	13.065	-0.089
13.075	-0.280	13.087	-0.312	13.096	-0.276	13.107	-0.179
13.120	-0.147	13.133	-0.132	13.146	-0.071	13.163	-0.043
13.181	0.025	13.193	0.001	13.201	-0.048	13.210	-0.157
13.219	-0.242	13.231	-0.250	13.245	-0.206	13.254	-0.145
13.270	0.053	13.284	0.259	13.296	0.368	13.304	0.396
13.323	0.380	13.342	0.396	13.350	0.351	13.362	0.181
13.377	-0.033	13.394	-0.045	13.404	-0.110	13.416	-0.231
13.425	-0.267	13.434	-0.227	13.447	-0.121	13.456	-0.028
13.467	0.012	13.482	0.021	13.497	0.073	13.501	0.082
13.510	0.041	13.519	-0.092	13.530	-0.282	13.540	-0.327
13.551	-0.298	13.563	-0.185	13.572	-0.079	13.584	-0.051
13.594	-0.083	13.605	-0.176	13.617	-0.273	13.629	-0.289
13.641	-0.264	13.653	-0.110	13.665	0.040	13.675	0.101
13.686	0.142	13.695	0.138	13.707	0.086	13.725	-0.007
13.735	-0.051	13.743	-0.055	13.752	-0.027	13.764	0.059
13.779	0.213	13.791	0.257	13.806	0.286	13.818	0.242
13.828	0.108	13.837	0.007	13.851	-0.009	13.863	0.028
13.876	0.113	13.888	0.287	13.899	0.421	13.909	0.462
13.916	0.437	13.927	0.280	13.939	0.090	13.947	0.025
13.962	0.017	13.978	0.062	13.987	0.086	13.999	0.163
14.008	0.220	14.018	0.236	14.028	0.195	14.035	0.130
14.044	0.045	14.070	-0.044	14.083	-0.158	14.098	-0.279
14.110	-0.300	14.125	-0.284	14.149	-0.232	14.161	-0.163
14.174	-0.090	14.190	0.047	14.201	0.099	14.212	0.087
14.231	0.030	14.246	-0.043	14.258	-0.051	14.274	-0.039
14.293	-0.024	14.304	0.013	14.321	0.199	14.329	0.271
14.346	0.344	14.356	0.409	14.368	0.433	14.377	0.368
14.388	0.246	14.400	0.056	14.409	-0.013	14.418	-0.013
14.432	0.007	14.452	-0.038	14.470	-0.038	14.484	-0.079
14.497	-0.148	14.508	-0.197	14.513	-0.201	14.522	-0.176
14.535	-0.075	14.547	0.070	14.558	0.102	14.572	0.041
14.588	-0.060	14.601	-0.177	14.612	-0.303	14.621	-0.340
14.635	-0.311	14.646	-0.190	14.657	-0.150	14.665	-0.162
14.677	-0.162	14.689	-0.114	14.704	-0.009	14.715	0.032
14.722	0.023	14.731	-0.037	14.740	-0.082	14.758	-0.070
14.771	-0.026	14.781	0.059	14.794	0.233	14.800	0.278
14.809	0.294	14.820	0.266	14.827	0.197	14.839	0.015
14.847	-0.082	14.857	-0.115	14.866	-0.082	14.884	0.051
14.899	0.201	14.907	0.266	14.914	0.274	14.923	0.246
14.937	0.092	14.955	-0.082	14.963	-0.139	14.971	-0.147
14.986	-0.122	15.003	-0.033	15.010	0.011	15.019	0.088
15.034	0.117	15.049	0.129	15.061	0.096	15.078	0.024
15.094	-0.033	15.115	-0.057	15.136	-0.081	15.154	-0.109
15.165	-0.081	15.177	0.008	15.189	0.097	15.203	0.126
15.216	0.106	15.225	0.057	15.234	-0.003	15.243	-0.020

15.256	-0.011	15.274	-0.040	15.288	-0.076	15.302	-0.080
15.312	-0.047	15.326	0.034	15.336	0.110	15.348	0.135
15.360	0.127	15.378	0.114	15.393	0.122	15.406	0.082
15.420	0.049	15.440	0.021	15.457	-0.016	15.468	-0.072
15.481	-0.210	15.490	-0.238	15.501	-0.226	15.514	-0.161
15.526	-0.089	15.541	0.000	15.553	0.142	15.562	0.215
15.571	0.239	15.579	0.207	15.589	0.121	15.597	0.012
15.609	-0.024	15.616	0.012	15.634	0.084	15.641	0.125
15.652	0.202	15.660	0.218	15.676	0.177	15.695	0.144
15.713	0.128	15.723	0.132	15.736	0.168	15.749	0.221
15.763	0.265	15.773	0.232	15.785	0.131	15.799	0.005
15.812	-0.035	15.826	-0.028	15.844	0.000	15.858	0.044
15.869	0.048	15.877	0.016	15.890	-0.090	15.905	-0.171
15.918	-0.208	15.930	-0.200	15.942	-0.168	15.952	-0.107
15.962	-0.026	15.970	0.058	15.978	0.078	15.987	0.062
15.999	0.005	16.008	-0.007	16.024	0.009	16.038	-0.032
16.050	-0.060	16.060	-0.069	16.079	-0.057	16.098	-0.073
16.115	-0.102	16.129	-0.082	16.146	-0.045	16.158	-0.082
16.176	-0.139	16.197	-0.163	16.207	-0.172	16.220	-0.131
16.234	-0.079	16.250	-0.063	16.268	-0.059	16.279	-0.079
16.291	-0.092	16.309	-0.023	16.322	0.038	16.335	0.054
16.353	0.033	16.375	-0.007	16.390	-0.024	16.402	-0.032
16.412	-0.008	16.426	0.057	16.434	0.069	16.444	0.053
16.462	0.024	16.476	0.053	16.499	0.093	16.518	0.105
16.533	0.077	16.550	0.048	16.573	0.024	16.585	-0.029
16.595	-0.090	16.604	-0.106	16.613	-0.066	16.625	0.011
16.641	0.116	16.651	0.173	16.663	0.201	16.675	0.165
16.695	0.108	16.723	0.107	16.737	0.087	16.748	0.051
16.766	-0.128	16.776	-0.188	16.785	-0.205	16.796	-0.168
16.812	-0.047	16.828	0.074	16.846	0.115	16.857	0.086
16.871	0.034	16.881	0.013	16.897	0.066	16.909	0.103
16.930	0.196	16.942	0.224	16.951	0.192	16.966	0.070
16.978	-0.035	16.995	-0.079	17.005	-0.055	17.019	0.030
17.031	0.119	17.038	0.135	17.049	0.099	17.062	-0.022
17.072	-0.144	17.083	-0.184	17.093	-0.144	17.108	-0.022
17.120	0.059	17.134	0.095	17.147	0.067	17.159	-0.026
17.172	-0.087	17.181	-0.059	17.203	-0.034	17.215	-0.034
17.231	-0.050	17.248	-0.059	17.271	-0.087	17.293	-0.119
17.308	-0.131	17.318	-0.095	17.327	-0.026	17.338	0.051
17.352	0.091	17.362	0.075	17.374	0.002	17.389	-0.095
17.401	-0.123	17.416	-0.099	17.429	-0.043	17.446	0.038
17.459	0.058	17.470	0.046	17.485	-0.011	17.497	-0.015
17.507	0.005	17.522	0.062	17.534	0.114	17.549	0.138
17.569	0.118	17.588	0.041	17.615	0.000	17.642	-0.028
17.662	-0.089	17.675	-0.061	17.687	-0.009	17.698	0.007
17.708	-0.034	17.725	-0.103	17.735	-0.111	17.754	-0.079
17.769	-0.047	17.778	0.022	17.790	0.082	17.800	0.098
17.808	0.090	17.824	0.058	17.835	0.070	17.852	0.106
17.861	0.118	17.873	0.102	17.894	0.033	17.914	-0.020
17.933	-0.069	17.944	-0.089	17.957	-0.049	17.969	0.040
17.983	0.133	17.993	0.153	18.004	0.129	18.025	-0.029
18.044	-0.159	18.058	-0.216	18.070	-0.183	18.079	-0.111
18.090	-0.050	18.100	-0.022	18.117	-0.034	18.138	0.031
18.147	0.011	18.161	-0.014	18.181	-0.001	18.198	0.043
18.215	0.141	18.226	0.189	18.236	0.210	18.250	0.177
18.265	0.068	18.274	0.008	18.287	-0.000	18.302	0.024

18.316	0.077	18.328	0.142	18.339	0.150	18.354	0.121
18.369	0.081	18.387	-0.000	18.403	-0.025	18.414	0.008
18.429	0.060	18.444	0.141	18.453	0.153	18.465	0.129
18.483	-0.017	18.495	-0.155	18.506	-0.191	18.516	-0.159
18.528	-0.058	18.543	0.055	18.554	0.140	18.564	0.152
18.572	0.132	18.584	0.035	18.596	-0.087	18.608	-0.204
18.618	-0.249	18.630	-0.229	18.645	-0.120	18.657	0.038
18.665	0.107	18.672	0.115	18.683	0.070	18.698	-0.060
18.713	-0.197	18.722	-0.210	18.733	-0.190	18.748	-0.064
18.760	0.073	18.775	0.126	18.786	0.121	18.799	0.065
18.817	-0.012	18.831	-0.102	18.843	-0.122	18.852	-0.074
18.864	0.019	18.878	0.064	18.900	0.028	18.913	0.003
18.931	-0.082	18.942	-0.090	18.956	-0.070	18.970	-0.005
18.987	0.084	18.998	0.113	19.014	0.048	19.031	-0.062
19.046	-0.163	19.055	-0.187	19.071	-0.199	19.087	-0.147
19.106	-0.082	19.125	-0.021	19.142	0.019	19.169	0.043
19.181	0.075	19.197	0.152	19.218	0.188	19.238	0.200
19.250	0.171	19.259	0.118	19.270	0.025	19.287	-0.060
19.301	-0.101	19.317	-0.118	19.331	-0.094	19.348	-0.070
19.367	-0.082	19.385	-0.079	19.398	-0.014	19.412	0.054
19.425	0.090	19.438	0.102	19.458	0.121	19.469	0.093
19.477	0.020	19.489	-0.033	19.496	-0.034	19.508	0.002
19.519	0.051	19.534	0.062	19.551	0.054	19.565	0.017
19.579	-0.069	19.591	-0.101	19.603	-0.061	19.612	-0.013
19.624	0.084	19.635	0.120	19.656	0.111	19.680	0.091
19.701	0.066	19.725	0.062	19.748	-0.011	19.765	-0.043
19.781	-0.059	19.796	-0.060	19.820	-0.015	19.849	-0.035
19.872	-0.088	19.882	-0.088	19.897	-0.043	19.918	0.021
19.936	0.038	19.955	0.046	19.980	-0.019	20.002	-0.047
20.022	-0.071	20.034	-0.087	20.060	-0.075	20.081	-0.083
20.101	-0.055	20.117	0.035	20.138	0.128	20.153	0.156
20.170	0.152	20.191	0.140	20.218	0.161	20.235	0.136
20.257	0.096	20.276	0.064	20.309	0.092	20.333	0.076
20.363	0.113	20.385	0.105	20.412	0.126	20.441	0.130
20.461	0.094	20.479	0.054	20.498	-0.015	20.515	-0.027
20.536	-0.002	20.553	0.018	20.568	0.010	20.585	-0.051
20.603	-0.120	20.619	-0.176	20.628	-0.193	20.643	-0.165
20.662	-0.104	20.676	-0.076	20.693	-0.096	20.709	-0.120
20.735	-0.117	20.753	-0.117	20.769	-0.125	20.797	-0.101
20.809	-0.061	20.826	-0.016	20.838	-0.008	20.852	-0.033
20.865	-0.073	20.877	-0.077	20.891	-0.049	20.908	0.024
20.922	0.104	20.940	0.141	20.954	0.104	20.966	0.035
20.980	-0.005	20.993	-0.018	21.006	0.019	21.021	0.104
21.036	0.160	21.058	0.160	21.084	0.188	21.113	0.175
21.135	0.151	21.158	0.089	21.173	0.061	21.197	0.089
21.212	0.105	21.232	0.113	21.253	0.149	21.272	0.112
21.287	0.038	21.301	-0.043	21.311	-0.052	21.325	-0.025
21.347	0.055	21.362	0.078	21.375	0.090	21.385	0.049
21.397	-0.045	21.406	-0.119	21.414	-0.176	21.421	-0.233
21.426	-0.262	21.435	-0.274	21.447	-0.279	21.456	-0.235
21.464	-0.178	21.473	-0.106	21.479	-0.077	21.484	-0.057
21.486	-0.037	21.493	-0.025	21.500	-0.049	21.509	-0.077
21.517	-0.133	21.524	-0.186	21.529	-0.214	21.532	-0.226
21.539	-0.210	21.546	-0.161	21.555	-0.084	21.562	-0.024
21.568	0.037	21.574	0.062	21.583	0.094	21.591	0.106
21.600	0.073	21.608	0.030	21.615	-0.031	21.621	-0.079

21.629	-0.136	21.638	-0.172	21.648	-0.188	21.660	-0.168
21.674	-0.127	21.685	-0.070	21.693	-0.026	21.699	-0.002
21.706	0.015	21.710	0.019	21.719	0.002	21.731	-0.062
21.739	-0.087	21.751	-0.095	21.766	-0.095	21.773	-0.070
21.786	-0.006	21.795	0.039	21.799	0.075	21.807	0.091
21.814	0.103	21.826	0.087	21.836	0.034	21.845	0.001
21.849	-0.015	21.864	-0.011	21.880	-0.004	21.897	0.004
21.900	0.004	21.909	0.016	21.912	0.028	21.921	0.027
21.932	0.003	21.941	-0.018	21.950	-0.022	21.968	-0.022
21.985	-0.015	22.000	0.009	22.013	0.028	22.023	0.044
22.034	0.052	22.045	0.039	22.057	0.018	22.064	0.002
22.072	-0.014	22.087	0.001	22.101	0.037	22.114	0.069
22.123	0.097	22.136	0.104	22.147	0.096	22.160	0.063
22.165	0.054	22.173	0.034	22.177	0.022	22.191	0.026
22.200	0.029	22.213	0.029	22.225	0.013	22.236	-0.004
22.243	-0.024	22.256	-0.036	22.265	-0.045	22.282	-0.037
22.301	-0.009	22.310	0.023	22.319	0.044	22.328	0.032
22.337	-0.013	22.346	-0.029	22.352	-0.049	22.361	-0.053
22.377	-0.033	22.394	-0.021	22.407	-0.009	22.416	-0.001
22.423	-0.009	22.435	-0.049	22.444	-0.102	22.450	-0.122
22.453	-0.126	22.464	-0.118	22.477	-0.070	22.483	-0.066
22.495	-0.037	22.502	-0.029	22.510	-0.017	22.523	-0.025
22.532	-0.053	22.543	-0.062	22.561	-0.062	22.575	-0.053
22.586	-0.066	22.598	-0.070	22.606	-0.082	22.620	-0.049
22.635	0.003	22.644	0.052	22.650	0.076	22.657	0.084
22.668	0.072	22.681	0.024	22.694	-0.033	22.704	-0.085
22.714	-0.118	22.720	-0.134	22.726	-0.134	22.735	-0.117
22.747	-0.045	22.755	0.000	22.766	0.041	22.778	0.077
22.784	0.093	22.796	0.077	22.814	0.065	22.835	0.065
22.844	0.061	22.859	0.045	22.873	0.013	22.894	0.001
22.916	-0.027	22.933	-0.056	22.950	-0.088	22.963	-0.100
22.975	-0.088	22.989	-0.040	22.995	-0.003	23.002	0.009
23.014	0.016	23.028	-0.036	23.037	-0.081	23.045	-0.102
23.059	-0.094	23.069	-0.057	23.078	-0.021	23.087	0.019
23.093	0.047	23.100	0.071	23.106	0.079	23.117	0.055
23.130	0.018	23.139	0.006	23.157	0.005	23.168	0.005
23.184	0.000	23.193	-0.012	23.206	-0.013	23.217	0.003
23.227	-0.005	23.240	-0.034	23.256	-0.055	23.274	-0.063
23.289	-0.076	23.297	-0.088	23.309	-0.068	23.317	-0.020
23.326	0.012	23.336	0.028	23.348	0.012	23.361	-0.008
23.374	-0.033	23.382	-0.037	23.390	-0.045	23.404	-0.034
23.412	-0.014	23.421	0.011	23.427	0.015	23.439	-0.002
23.448	-0.026	23.460	-0.055	23.470	-0.063	23.482	-0.051
23.494	-0.035	23.508	-0.007	23.510	-0.007	23.524	-0.031
23.547	-0.064	23.558	-0.072	23.574	-0.044	23.586	-0.016
23.596	0.000	23.605	-0.008	23.616	-0.028	23.627	-0.085
23.637	-0.146	23.645	-0.162	23.662	-0.158	23.680	-0.130
23.690	-0.114	23.704	-0.069	23.717	-0.013	23.731	0.028
23.739	0.040	23.752	0.040	23.763	0.028	23.776	0.011
23.785	0.004	23.796	-0.008	23.812	0.032	23.820	0.057
23.831	0.077	23.843	0.033	23.854	-0.015	23.868	-0.080
23.876	-0.096	23.887	-0.080	23.905	-0.006	23.920	0.022
23.929	0.039	23.935	0.059	23.944	0.059	23.959	0.023
23.972	-0.045	23.985	-0.094	24.001	-0.109	24.020	-0.105
24.034	-0.060	24.043	-0.036	24.055	-0.027	24.067	-0.035
24.082	-0.063	24.094	-0.083	24.106	-0.091	24.121	-0.071

24.128	-0.043	24.137	-0.018	24.145	0.006	24.167	0.010
24.185	0.022	24.200	0.042	24.211	0.062	24.226	0.066
24.239	0.062	24.262	0.029	24.280	0.021	24.299	0.021
24.320	0.008	24.337	-0.012	24.355	-0.020	24.367	-0.000
24.383	0.016	24.388	0.028	24.403	0.028	24.418	0.011
24.429	-0.017	24.441	-0.045	24.452	-0.057	24.460	-0.041
24.480	-0.033	24.497	-0.029	24.515	-0.032	24.528	-0.036
24.539	-0.052	24.555	-0.073	24.572	-0.072	24.595	-0.076
24.611	-0.072	24.622	-0.068	24.636	-0.039	24.652	-0.019
24.667	-0.002	24.685	0.006	24.697	0.018	24.706	0.030
24.718	0.043	24.730	0.030	24.748	-0.002	24.763	-0.050
24.774	-0.087	24.784	-0.103	24.797	-0.095	24.807	-0.083
24.814	-0.075	24.834	-0.075	24.853	-0.075	24.872	-0.026
24.889	0.030	24.904	0.063	24.917	0.091	24.928	0.083
24.944	0.054	24.959	0.034	24.972	0.021	24.981	0.038
25.001	0.037	25.015	0.045	25.027	0.053	25.035	0.029
25.046	-0.004	25.054	-0.036	25.065	-0.044	25.078	-0.028
25.090	0.016	25.104	0.041	25.114	0.061	25.127	0.077
25.139	0.077	25.148	0.069	25.158	0.037	25.165	0.029
25.177	0.025	25.189	0.045	25.195	0.069	25.203	0.093
25.210	0.114	25.219	0.118	25.231	0.118	25.245	0.085
25.260	0.057	25.270	0.029	25.285	0.021	25.302	0.026
25.321	0.026	25.329	0.018	25.344	-0.034	25.356	-0.058
25.367	-0.094	25.377	-0.106	25.390	-0.106	25.401	-0.090
25.413	-0.045	25.420	-0.017	25.429	-0.004	25.434	0.008
25.449	-0.000	25.464	-0.016	25.476	-0.032	25.491	-0.064
25.509	-0.113	25.524	-0.141	25.534	-0.149	25.547	-0.140
25.558	-0.108	25.569	-0.088	25.578	-0.080	25.587	-0.067
25.600	-0.079	25.614	-0.100	25.626	-0.128	25.635	-0.140
25.647	-0.107	25.660	-0.051	25.672	-0.006	25.686	0.030
25.698	0.051	25.714	0.067	25.729	0.043	25.746	-0.001
25.757	-0.013	25.777	-0.009	25.792	0.016	25.805	0.049
25.813	0.057	25.825	0.065	25.837	0.053	25.847	0.013
25.855	-0.015	25.864	-0.027	25.872	-0.015	25.888	-0.003
25.917	0.009	25.930	0.017	25.941	0.017	25.954	0.008
25.971	0.008	25.984	0.016	25.999	0.027	26.008	0.051
26.017	0.067	26.029	0.058	26.046	0.041	26.059	0.028
26.074	0.015	26.089	0.010	26.101	0.018	26.118	0.029
26.137	0.040	26.163	0.047	26.178	0.047	26.198	0.047
26.216	0.070	26.226	0.107	26.236	0.106	26.251	0.082
26.266	0.061	26.287	0.061	26.304	0.060	26.314	0.064
26.326	0.076	26.337	0.056	26.350	0.035	26.363	-0.009
26.374	-0.050	26.387	-0.107	26.399	-0.123	26.407	-0.127
26.418	-0.099	26.429	-0.067	26.441	-0.051	26.453	-0.031
26.460	-0.031	26.472	-0.067	26.482	-0.096	26.494	-0.145
26.503	-0.166	26.519	-0.158	26.532	-0.131	26.546	-0.103
26.556	-0.079	26.567	-0.071	26.584	-0.088	26.595	-0.105
26.607	-0.118	26.624	-0.086	26.634	-0.050	26.646	-0.022
26.655	0.005	26.676	0.004	26.698	0.011	26.719	0.010
26.734	0.017	26.747	0.025	26.763	0.040	26.778	0.027
26.790	0.018	26.803	0.002	26.812	0.014	26.823	0.038
26.848	0.037	26.871	0.037	26.888	0.028	26.901	0.016
26.912	-0.004	26.922	0.016	26.933	0.032	26.947	0.044
26.958	0.040	26.971	0.016	26.986	-0.012	27.003	-0.020
27.017	-0.020	27.033	-0.004	27.042	0.017	27.050	0.025
27.062	0.005	27.080	-0.027	27.090	-0.043	27.111	-0.026

27.134	0.015	27.143	0.031	27.155	0.039	27.173	0.035
27.187	-0.001	27.199	-0.029	27.209	-0.041	27.222	-0.025
27.235	0.003	27.248	0.015	27.263	-0.001	27.275	-0.029
27.286	-0.049	27.292	-0.074	27.304	-0.082	27.322	-0.062
27.339	-0.029	27.352	-0.013	27.363	-0.001	27.379	0.003
27.397	-0.017	27.417	-0.029	27.435	-0.045	27.443	-0.062
27.450	-0.082	27.462	-0.098	27.472	-0.106	27.486	-0.090
27.501	-0.045	27.513	-0.037	27.526	-0.017	27.546	-0.017
27.563	-0.029	27.572	-0.049	27.581	-0.057	27.595	-0.045
27.612	-0.041	27.632	-0.033	27.641	-0.025	27.653	-0.009
27.666	0.019	27.678	0.036	27.693	0.019	27.710	-0.013
27.722	-0.029	27.732	-0.045	27.743	-0.053	27.750	-0.041
27.759	-0.021	27.768	0.004	27.774	0.024	27.788	0.032
27.804	0.032	27.825	0.020	27.841	0.021	27.850	0.013
27.862	0.005	27.877	0.009	27.886	0.017	27.891	0.017
27.901	-0.011	27.910	-0.031	27.920	-0.063	27.934	-0.071
27.953	-0.046	27.968	-0.010	27.977	0.019	27.988	0.051
27.997	0.067	28.016	0.051	28.031	0.027	28.054	0.007
28.066	-0.005	28.078	-0.013	28.088	0.003	28.096	0.007
28.103	0.015	28.112	0.023	28.124	0.015	28.141	-0.001
28.152	-0.034	28.161	-0.042	28.168	-0.046	28.182	-0.038
28.195	-0.010	28.205	0.018	28.218	0.034	28.233	0.034
28.245	0.018	28.256	-0.003	28.256	-0.003	28.267	-0.023
28.275	-0.015	28.295	-0.012	28.317	-0.012	28.332	-0.016
28.347	-0.028	28.364	-0.028	28.384	-0.037	28.400	-0.049
28.417	-0.061	28.431	-0.073	28.443	-0.074	28.450	-0.078
28.461	-0.066	28.475	-0.037	28.486	-0.037	28.503	-0.045
28.515	-0.053	28.526	-0.057	28.540	-0.037	28.553	-0.009
28.571	-0.001	28.587	0.007	28.611	0.019	28.634	0.015
28.648	0.007	28.660	0.003	28.673	0.015	28.689	0.023
28.704	0.023	28.725	0.020	28.740	0.020	28.757	0.020
28.769	0.028	28.775	0.032	28.787	0.041	28.797	0.037
28.808	0.013	28.819	0.001	28.836	0.001	28.862	0.009
28.885	0.014	28.904	0.014	28.915	0.002	28.928	-0.009
28.954	-0.013	28.973	-0.012	28.988	0.008	28.996	0.009
29.005	0.005	29.015	-0.019	29.022	-0.039	29.032	-0.039
29.046	-0.027	29.059	-0.002	29.072	0.014	29.086	0.022
29.100	0.023	29.116	-0.010	29.128	-0.046	29.136	-0.046
29.143	-0.046	29.157	-0.025	29.163	-0.009	29.172	0.007
29.188	-0.005	29.204	-0.021	29.219	-0.029	29.235	-0.038
29.247	-0.022	29.260	0.011	29.276	0.067	29.285	0.092
29.295	0.108	29.304	0.095	29.319	0.018	29.328	-0.026
29.339	-0.043	29.353	-0.051	29.366	-0.047	29.381	-0.027
29.394	-0.011	29.411	-0.011	29.419	-0.027	29.426	-0.044
29.435	-0.056	29.446	-0.056	29.453	-0.040	29.464	0.000
29.465	0.008	29.476	0.029	29.482	0.041	29.497	0.020
29.515	0.004	29.525	-0.021	29.534	-0.041	29.548	-0.057
29.560	-0.037	29.578	-0.025	29.600	-0.017	29.620	-0.014
29.634	-0.026	29.646	-0.022	29.658	0.002	29.670	0.010
29.687	0.002	29.699	-0.023	29.712	-0.035	29.727	-0.023
29.742	-0.007	29.758	-0.003	29.767	-0.012	29.779	-0.036
29.789	-0.073	29.800	-0.077	29.810	-0.056	29.824	-0.012
29.834	0.041	29.842	0.061	29.856	0.065	29.871	0.020
29.885	-0.032	29.894	-0.061	29.910	-0.040	29.926	0.012
29.932	0.041	29.940	0.065	29.949	0.074	29.964	0.037
29.977	-0.055	29.986	-0.120	29.997	-0.132	30.010	-0.119

30.023	-0.054	30.031	-0.006	30.036	0.023	30.045	0.039
30.057	0.027	30.068	-0.041	30.079	-0.126	30.087	-0.179
30.098	-0.170	30.110	-0.105	30.120	-0.028	30.129	0.045
30.132	0.081	30.143	0.106	30.151	0.106	30.160	0.098
30.170	0.062	30.181	0.014	30.189	-0.010	30.199	-0.022
30.208	-0.022	30.217	0.026	30.229	0.067	30.241	0.079
30.256	0.063	30.265	0.047	30.281	-0.010	30.292	-0.051
30.299	-0.079	30.308	-0.103	30.316	-0.115	30.330	-0.030
30.339	0.006	30.351	0.043	30.362	0.059	30.375	0.059
30.384	0.043	30.397	-0.030	30.408	-0.067	30.421	-0.079
30.431	-0.087	30.442	-0.071	30.454	-0.003	30.460	0.038
30.464	0.086	30.469	0.110	30.477	0.114	30.487	0.086
30.500	0.005	30.514	-0.052	30.526	-0.093	30.535	-0.121
30.542	-0.133	30.547	-0.101	30.559	-0.040	30.567	0.004
30.576	0.028	30.586	0.028	30.597	0.016	30.612	-0.017
30.627	-0.049	30.639	-0.061	30.651	-0.029	30.665	0.019
30.673	0.056	30.682	0.072	30.693	0.080	30.711	0.040
30.727	-0.017	30.735	-0.053	30.744	-0.061	30.759	-0.024
30.771	0.020	30.780	0.065	30.789	0.085	30.801	0.073
30.812	0.025	30.821	-0.024	30.837	-0.040	30.853	-0.064
30.864	-0.084	30.876	-0.055	30.886	-0.023	30.895	0.006
30.907	-0.006	30.919	-0.022	30.936	-0.038	30.951	-0.066
30.963	-0.089	30.973	-0.093	30.979	-0.073	30.988	-0.024
30.996	0.013	31.000	0.041	31.008	0.066	31.021	0.070
31.035	0.071	31.045	0.047	31.054	-0.014	31.067	-0.070
31.075	-0.083	31.079	-0.095	31.095	-0.064	31.112	-0.013
31.128	0.034	31.137	0.049	31.150	0.032	31.169	-0.006
31.186	-0.019	31.204	-0.020	31.215	0.004	31.229	0.044
31.232	0.056	31.245	0.023	31.261	-0.041	31.270	-0.065
31.282	-0.064	31.290	-0.063	31.307	-0.026	31.318	0.007
31.328	0.028	31.337	0.040	31.352	0.021	31.364	-0.036
31.379	-0.076	31.390	-0.096	31.409	-0.075	31.425	-0.042
31.437	-0.006	31.445	0.006	31.454	0.015	31.466	-0.002
31.480	-0.030	31.492	-0.046	31.501	-0.054	31.517	-0.042
31.540	-0.002	31.551	0.010	31.566	0.010	31.589	-0.018
31.607	-0.050	31.623	-0.054	31.643	-0.054	31.658	-0.054
31.670	-0.033	31.684	-0.029	31.700	-0.029	31.714	-0.029
31.726	-0.017	31.741	0.019	31.760	0.060	31.780	0.088
31.793	0.093	31.805	0.085	31.822	0.065	31.852	0.045
31.875	0.033	31.899	0.010	31.918	-0.022	31.929	-0.050
31.946	-0.058	31.965	-0.033	31.979	0.000	31.990	0.029
32.003	0.057	32.012	0.045	32.027	0.013	32.041	-0.011
32.052	0.001	32.062	0.021	32.077	0.037	32.092	0.025
32.110	-0.011	32.133	-0.019	32.155	-0.020	32.172	-0.020
32.188	0.000	32.202	-0.000	32.220	-0.000	32.238	-0.000
32.244	-0.021	32.256	-0.037	32.265	-0.045	32.273	-0.037
32.284	-0.012	32.294	0.020	32.299	0.028	32.310	0.025
32.319	0.025	32.325	0.017	32.334	0.002	32.343	-0.030
32.348	-0.050	32.357	-0.071	32.362	-0.087	32.369	-0.095
32.379	-0.086	32.387	-0.070	32.396	-0.062	32.402	-0.041
32.409	-0.025	32.419	-0.025	32.429	-0.029	32.440	-0.045
32.449	-0.078	32.458	-0.094	32.470	-0.102	32.479	-0.090
32.491	-0.070	32.494	-0.062	32.507	-0.033	32.513	-0.017
32.521	-0.004	32.535	-0.008	32.545	-0.016	32.559	-0.023
32.571	-0.035	32.586	-0.026	32.601	-0.021	32.612	-0.021
32.625	-0.012	32.636	0.005	32.646	0.026	32.662	0.038

32.676	0.038	32.693	0.035	32.705	0.019	32.711	-0.009
32.721	-0.037	32.726	-0.041	32.738	-0.029	32.754	0.019
32.761	0.036	32.769	0.060	32.779	0.072	32.788	0.084
32.797	0.084	32.809	0.052	32.821	-0.001	32.830	-0.066
32.840	-0.082	32.852	-0.049	32.864	-0.001	32.873	0.052
32.878	0.088	32.885	0.113	32.892	0.141	32.902	0.145
32.913	0.121	32.923	0.060	32.934	0.023	32.943	-0.033
32.953	-0.053	32.964	-0.037	32.974	-0.005	32.989	0.060
32.994	0.092	32.999	0.133	33.008	0.153	33.014	0.169
33.021	0.153	33.030	0.092	33.039	0.023	33.044	-0.037
33.049	-0.078	33.057	-0.102	33.059	-0.110	33.066	-0.126
33.074	-0.102	33.082	-0.074	33.087	-0.037	33.093	-0.005
33.099	0.015	33.108	0.023	33.115	0.028	33.128	-0.013
33.138	-0.066	33.148	-0.098	33.158	-0.118	33.166	-0.094
33.175	-0.041	33.184	0.011	33.193	0.064	33.201	0.092
33.211	0.104	33.219	0.108	33.230	0.076	33.238	0.056
33.246	0.019	33.254	-0.005	33.265	-0.049	33.274	-0.074
33.280	-0.090	33.291	-0.070	33.302	-0.033	33.310	0.003
33.319	0.036	33.329	0.056	33.342	0.056	33.354	0.044
33.366	0.015	33.372	-0.021	33.381	-0.066	33.393	-0.086
33.403	-0.098	33.417	-0.074	33.426	-0.017	33.440	0.052
33.448	0.088	33.457	0.113	33.471	0.108	33.481	0.100
33.490	0.056	33.496	0.007	33.505	-0.037	33.516	-0.037
33.528	-0.021	33.535	0.007	33.543	0.056	33.550	0.100
33.556	0.141	33.561	0.157	33.568	0.169	33.577	0.157
33.588	0.117	33.595	0.064	33.604	0.007	33.612	-0.021
33.622	-0.037	33.631	-0.029	33.640	-0.013	33.646	0.023
33.652	0.035	33.654	0.068	33.659	0.084	33.664	0.104
33.670	0.112	33.675	0.084	33.682	0.043	33.691	-0.001
33.697	-0.046	33.704	-0.082	33.709	-0.135	33.716	-0.167
33.727	-0.176	33.733	-0.172	33.745	-0.127	33.751	-0.071
33.757	-0.034	33.763	0.026	33.768	0.079	33.773	0.103
33.781	0.127	33.787	0.143	33.793	0.127	33.805	0.078
33.816	0.017	33.822	-0.032	33.826	-0.081	33.832	-0.093
33.838	-0.105	33.846	-0.081	33.855	-0.049	33.866	-0.001
33.877	0.044	33.887	0.076	33.895	0.088	33.906	0.071
33.918	0.063	33.928	0.059	33.942	0.074	33.954	0.102
33.968	0.114	33.980	0.094	33.996	0.049	34.010	-0.004
34.021	-0.061	34.030	-0.070	34.041	-0.054	34.054	-0.010
34.067	0.043	34.077	0.067	34.088	0.083	34.097	0.086
34.112	0.066	34.129	0.037	34.146	-0.000	34.165	-0.033
34.172	-0.062	34.183	-0.079	34.192	-0.099	34.201	-0.112
34.214	-0.084	34.225	-0.060	34.237	-0.015	34.248	0.021
34.257	0.061	34.265	0.077	34.273	0.077	34.282	0.061
34.296	0.016	34.303	-0.008	34.314	-0.021	34.324	-0.029
34.336	-0.013	34.349	0.036	34.358	0.068	34.367	0.084
34.377	0.096	34.384	0.108	34.393	0.084	34.406	0.064
34.423	0.028	34.439	-0.009	34.449	-0.049	34.462	-0.082
34.473	-0.094	34.484	-0.086	34.494	-0.074	34.505	-0.086
34.517	-0.103	34.526	-0.071	34.538	-0.038	34.546	0.030
34.555	0.075	34.565	0.107	34.574	0.139	34.588	0.131
34.604	0.102	34.616	0.057	34.625	-0.012	34.635	-0.032
34.644	-0.048	34.656	-0.024	34.667	-0.008	34.679	0.012
34.691	0.033	34.702	0.045	34.717	0.016	34.732	-0.016
34.747	-0.028	34.764	-0.032	34.776	-0.027	34.792	0.014
34.803	0.050	34.811	0.083	34.823	0.103	34.839	0.075

34.854	0.052	34.869	0.016	34.883	-0.004	34.897	-0.028
34.913	-0.015	34.929	0.002	34.946	0.031	34.959	0.031
34.970	0.008	34.982	-0.012	34.995	-0.007	35.012	-0.003
35.027	-0.002	35.040	-0.018	35.048	-0.038	35.056	-0.074
35.069	-0.066	35.082	-0.037	35.090	-0.001	35.098	0.023
35.106	0.039	35.114	0.035	35.128	-0.002	35.139	-0.043
35.149	-0.071	35.166	-0.084	35.179	-0.073	35.191	-0.049
35.202	-0.018	35.218	0.022	35.231	0.050	35.242	0.057
35.257	0.056	35.267	0.024	35.278	-0.017	35.289	-0.042
35.303	-0.051	35.316	-0.031	35.332	-0.004	35.340	0.029
35.351	0.061	35.362	0.062	35.375	0.038	35.385	0.002
35.394	-0.018	35.406	-0.022	35.418	-0.002	35.428	0.039
35.439	0.076	35.446	0.109	35.455	0.130	35.464	0.134
35.478	0.123	35.491	0.064	35.500	-0.000	35.509	-0.024
35.517	-0.036	35.526	-0.011	35.536	0.029	35.545	0.062
35.560	0.075	35.572	0.079	35.584	0.056	35.598	0.011
35.607	-0.025	35.616	-0.033	35.628	0.003	35.641	0.035
35.652	0.063	35.664	0.071	35.676	0.047	35.691	0.014
35.710	-0.024	35.724	-0.032	35.735	-0.029	35.753	0.003
35.767	0.026	35.778	0.049	35.792	0.073	35.802	0.060
35.815	0.014	35.834	-0.056	35.845	-0.081	35.856	-0.086
35.868	-0.054	35.880	0.001	35.891	0.045	35.902	0.073
35.917	0.072	35.933	0.071	35.952	0.062	35.972	0.054
35.988	0.046	36.008	0.021	36.020	-0.007	36.034	-0.032
36.047	-0.073	36.057	-0.089	36.077	-0.044	36.091	-0.007
36.104	0.021	36.114	0.029	36.131	0.018	36.146	0.002
36.162	-0.006	36.177	0.022	36.190	0.059	36.201	0.068
36.220	0.060	36.233	0.040	36.255	0.016	36.270	-0.008
36.285	-0.011	36.294	0.013	36.302	0.030	36.308	0.042
36.323	0.026	36.336	-0.002	36.354	-0.017	36.368	-0.033
36.380	-0.049	36.390	-0.016	36.396	0.004	36.407	0.053
36.414	0.090	36.423	0.102	36.434	0.111	36.448	0.099
36.463	0.075	36.476	0.047	36.490	0.027	36.503	0.043
36.517	0.059	36.529	0.076	36.547	0.052	36.565	0.027
36.588	0.027	36.620	0.027	36.641	0.035	36.662	0.039
36.682	0.030	36.692	0.010	36.706	-0.018	36.721	-0.027
36.735	0.001	36.745	0.009	36.757	0.025	36.770	0.017
36.786	0.004	36.799	-0.012	36.814	0.000	36.829	0.024
36.842	0.041	36.856	0.053	36.872	0.028	36.885	-0.008
36.905	-0.008	36.928	-0.007	36.949	0.009	36.969	0.014
36.992	0.010	37.020	0.014	37.032	0.014	37.058	0.055
37.071	0.071	37.090	0.079	37.104	0.079	37.119	0.027
37.130	-0.022	37.140	-0.054	37.148	-0.063	37.164	-0.043
37.175	-0.006	37.187	0.009	37.201	0.030	37.213	0.021
37.225	-0.011	37.233	-0.048	37.244	-0.048	37.260	-0.024
37.274	0.008	37.285	0.024	37.297	0.040	37.311	0.032
37.325	-0.000	37.336	-0.033	37.348	-0.033	37.359	-0.017
37.375	0.032	37.391	0.060	37.409	0.072	37.427	0.076
37.441	0.059	37.453	0.047	37.468	0.055	37.487	0.075
37.507	0.079	37.524	0.083	37.536	0.059	37.554	0.006
37.566	-0.023	37.581	-0.035	37.595	-0.019	37.609	0.001
37.619	0.045	37.627	0.069	37.636	0.089	37.649	0.073
37.659	0.036	37.671	-0.016	37.685	-0.029	37.706	-0.041
37.721	-0.029	37.732	-0.021	37.745	-0.025	37.759	-0.037
37.771	-0.053	37.789	-0.041	37.807	-0.013	37.822	0.003
37.835	0.040	37.847	0.056	37.865	0.068	37.883	0.056

37.901	0.027	37.918	-0.014	37.928	-0.050	37.943	-0.055
37.955	-0.018	37.966	0.022	37.976	0.054	37.988	0.062
37.997	0.046	38.014	0.017	38.024	-0.020	38.035	-0.029
38.047	-0.009	38.057	0.019	38.069	0.071	38.084	0.083
38.093	0.062	38.117	0.013	38.137	0.001	38.158	-0.004
38.174	-0.012	38.191	-0.012	38.204	0.008	38.212	0.032
38.225	0.032	38.243	-0.005	38.255	-0.062	38.264	-0.082
38.279	-0.070	38.291	-0.029	38.306	-0.005	38.320	0.032
38.332	0.048	38.342	0.020	38.356	-0.004	38.369	-0.020
38.383	0.008	38.399	0.025	38.416	0.041	38.434	0.037
38.450	0.013	38.465	-0.014	38.477	-0.034	38.487	-0.017
38.504	0.012	38.522	0.033	38.544	0.030	38.565	0.010
38.580	-0.013	38.597	-0.024	38.616	-0.007	38.634	0.010
38.653	0.023	38.662	0.035	38.679	0.004	38.693	-0.024
38.708	-0.040	38.729	-0.019	38.745	0.022	38.755	0.050
38.766	0.067	38.781	0.055	38.797	0.018	38.811	-0.006
38.824	-0.031	38.838	-0.039	38.858	0.002	38.873	0.018
38.890	0.042	38.904	0.066	38.918	0.045	38.930	0.017
38.942	-0.000	38.959	0.020	38.970	0.044	38.983	0.064
38.995	0.047	39.009	0.010	39.024	-0.047	39.038	-0.063
39.050	-0.072	39.060	-0.031	39.074	0.009	39.086	0.021
39.108	0.041	39.125	0.016	39.140	-0.000	39.149	-0.016
39.170	0.020	39.186	0.048	39.204	0.068	39.218	0.039
39.229	0.015	39.235	-0.022	39.246	-0.038	39.255	-0.055
39.269	-0.019	39.284	-0.003	39.296	0.025	39.308	0.045
39.322	0.024	39.334	-0.000	39.343	-0.009	39.360	0.003
39.383	0.018	39.395	0.046	39.413	0.062	39.433	0.049
39.459	0.041	39.474	0.008	39.504	0.008	39.528	0.016
39.543	0.028	39.558	0.044	39.573	0.076	39.589	0.064
39.601	0.032	39.616	-0.009	39.635	-0.009	39.652	0.011
39.677	0.019	39.702	0.028	39.724	0.032	39.753	0.019
39.776	-0.001	39.795	-0.005	39.820	0.007	39.835	-0.013
39.857	-0.045	39.877	-0.049	39.905	-0.033	39.922	-0.017
39.944	0.003	39.965	0.011	39.985	0.028	40.004	0.036
40.030	0.036	40.055	0.023	40.073	0.019	40.098	0.003
40.126	0.003	40.154	0.011	40.181	0.011	40.200	0.011
40.221	0.015	40.236	0.028	40.256	-0.001	40.275	-0.033
40.294	-0.062	40.309	-0.057	40.327	-0.033	40.344	-0.009
40.362	0.003	40.380	-0.005	40.402	-0.009	40.428	-0.001
40.448	0.011	40.475	0.015	40.490	0.003	40.507	0.015
40.526	0.028	40.542	0.011	40.558	0.003	40.569	0.028
40.584	0.036	40.596	0.040	40.609	0.028	40.621	0.007
40.637	-0.013	40.654	-0.009	40.667	0.015	40.680	0.023
40.692	0.036	40.703	0.028	40.717	-0.017	40.744	-0.021
40.761	-0.013	40.777	-0.005	40.796	-0.013	40.810	-0.012
40.826	-0.008	40.841	0.008	40.856	0.024	40.876	0.021
40.902	0.013	40.929	0.009	40.955	0.002	40.978	0.010
41.000	0.014	41.014	-0.010	41.024	-0.018	41.037	-0.022
41.055	0.027	41.063	0.055	41.074	0.071	41.087	0.047
41.099	0.010	41.113	-0.010	41.128	-0.015	41.143	0.005
41.161	0.017	41.185	0.012	41.222	0.020	41.233	0.027
41.249	0.027	41.278	0.027	41.320	0.030	41.356	0.029
41.367	0.013	41.381	0.025	41.393	0.033	41.406	0.020
41.421	0.008	41.436	0.020	41.454	0.028	41.480	0.024
41.499	0.020	41.519	-0.001	41.538	0.003	41.555	0.019
41.567	0.028	41.589	-0.005	41.621	-0.013	41.650	-0.021

41.672	-0.001	41.696	0.007	41.715	0.011	41.743	0.011
41.775	0.007	41.796	0.007	41.825	0.007	41.842	0.019
41.861	0.015	41.884	0.011	41.900	-0.006	41.921	-0.018
41.935	-0.006	41.956	-0.015	41.977	-0.028	41.999	-0.025
42.015	-0.017	42.035	0.002	42.056	0.006	42.069	0.026
42.083	0.017	42.096	0.004	42.110	0.004	42.124	0.016
42.139	0.041	42.145	0.053	42.160	0.041	42.174	0.016
42.193	-0.008	42.210	-0.011	42.225	0.001	42.239	0.009
42.258	0.010	42.276	0.006	42.291	0.003	42.308	-0.009
42.325	-0.009	42.336	-0.000	42.348	0.044	42.359	0.061
42.371	0.073	42.385	0.069	42.402	0.041	42.415	0.013
42.433	0.005	42.452	0.001	42.470	0.005	42.486	0.009
42.504	0.004	42.519	-0.012	42.535	-0.020	42.549	-0.000
42.572	0.020	42.586	0.036	42.602	0.028	42.623	0.015
42.640	0.003	42.663	0.007	42.686	0.011	42.708	-0.004
42.720	-0.028	42.733	-0.040	42.750	-0.023	42.770	-0.002
42.784	0.011	42.803	0.008	42.826	0.009	42.850	-0.003
42.870	-0.006	42.890	0.006	42.916	0.007	42.959	0.003
42.975	-0.009	42.996	-0.013	43.017	0.007	43.035	0.015
43.055	0.023	43.075	0.043	43.090	0.051	43.112	0.039
43.140	0.010	43.161	-0.003	43.181	0.000	43.197	0.016
43.207	0.032	43.218	0.044	43.232	0.031	43.247	0.007
43.264	-0.014	43.283	-0.023	43.302	-0.011	43.312	0.005
43.317	0.021	43.321	0.021	43.326	0.009	43.329	-0.003
43.332	-0.008	43.332	-0.008	43.333	-0.008	43.356	-0.016
43.374	-0.012	43.401	0.012	43.423	0.004	43.439	0.004
43.456	-0.041	43.465	-0.041	43.482	-0.029	43.496	-0.029
43.511	-0.013	43.529	0.003	43.548	-0.001	43.558	-0.022
43.572	-0.018	43.582	-0.022	43.591	-0.026	43.600	-0.022
43.613	-0.014	43.628	-0.006	43.646	-0.006	43.662	-0.018
43.674	-0.031	43.681	-0.039	43.692	-0.043	43.693	-0.039
43.706	-0.039	43.712	-0.031	43.724	-0.007	43.738	-0.007
43.748	-0.007	43.763	-0.007	43.781	-0.032	43.784	-0.040
43.793	-0.056	43.807	-0.048	43.825	-0.036	43.836	-0.028
43.845	-0.004	43.859	-0.004	43.867	0.008	43.878	0.004
43.885	-0.004	43.893	-0.020	43.904	-0.029	43.920	-0.029
43.938	-0.021	43.953	-0.005	43.965	-0.009	43.985	-0.014
44.011	-0.023	44.029	-0.016	44.039	-0.008	44.055	-0.009
44.070	-0.022	44.094	-0.014	44.123	-0.024	44.147	-0.016
44.170	-0.015	44.195	-0.003	44.214	0.014	44.234	0.010
44.259	-0.006	44.278	0.023	44.306	0.020	44.328	-0.004
44.354	-0.003	44.377	0.006	44.401	0.006	44.428	0.015
44.464	0.003	44.481	-0.017	44.508	-0.021	44.534	-0.029
44.563	-0.013	44.579	0.015	44.585	0.019	44.595	0.011
44.614	0.011	44.627	0.007	44.644	-0.005	44.662	-0.005
44.676	-0.017	44.686	-0.017	44.712	-0.017	44.746	-0.029
44.751	-0.017	44.766	-0.009	44.787	0.003	44.808	0.015
44.835	0.007	44.864	0.028	44.877	0.023	44.894	-0.013
44.908	-0.021	44.940	-0.037	44.957	-0.001	44.981	-0.005
45.005	-0.005	45.021	-0.009	45.038	0.003	45.053	-0.001
45.070	-0.005	45.094	-0.001	45.136	-0.005	45.154	-0.033
45.185	0.003	45.211	0.015	45.231	-0.017	45.249	-0.025
45.264	-0.009	45.270	0.007	45.283	0.032	45.297	0.036
45.326	0.007	45.331	-0.013	45.342	-0.013	45.353	-0.029
45.372	-0.025	45.387	0.003	45.404	-0.001	45.432	-0.013
45.434	-0.009	45.458	-0.013	45.484	0.003	45.514	0.031

45.528	0.006	45.548	-0.010	45.572	-0.018	45.589	-0.006
45.605	-0.010	45.629	-0.011	45.650	-0.011	45.666	-0.023
45.675	0.009	45.691	0.013	45.710	0.045	45.736	0.029
45.760	0.005	45.778	0.029	45.790	0.013	45.817	0.008
45.851	-0.032	45.865	-0.024	45.899	-0.013	45.923	-0.009
45.936	-0.029	45.962	-0.061	45.985	-0.029	46.011	-0.004
46.039	-0.020	46.065	-0.044	46.095	-0.019	46.126	0.026
46.152	-0.010	46.182	-0.026	46.204	-0.010	46.227	0.011
46.245	-0.021	46.276	-0.025	46.306	-0.008	46.342	0.017
46.362	0.005	46.395	-0.002	46.419	0.031	46.458	0.035
46.459	0.019	46.479	0.019	46.528	0.007	46.544	0.015
46.568	0.003	46.592	-0.001	46.619	0.003	46.636	0.040
46.667	0.040	46.696	0.007	46.730	0.011	46.739	0.019
46.760	0.032	46.779	0.015	46.802	0.011	46.819	-0.005
46.847	-0.013	46.868	-0.001	46.916	-0.025	46.942	-0.013
46.972	0.011	46.986	0.040	47.007	0.028	47.030	-0.009
47.059	-0.025	47.104	-0.021	47.135	0.003	47.187	-0.005
47.219	-0.001	47.246	-0.025	47.284	-0.001	47.294	0.007
47.320	0.011	47.336	-0.005	47.363	-0.013	47.400	-0.005
47.429	-0.005	47.453	-0.009	47.472	0.011	47.486	0.019
47.498	0.015	47.535	0.003	47.555	-0.001	47.607	-0.005
47.648	-0.005	47.685	-0.007	47.712	-0.016	47.739	-0.006
47.772	-0.013	47.787	-0.014	47.837	-0.016	47.856	-0.009
47.868	-0.013	47.907	-0.026	47.940	-0.042	47.958	-0.013
47.976	-0.029	48.002	-0.036	48.049	-0.038	48.075	-0.017
48.084	0.008	48.108	-0.007	48.127	-0.018	48.156	0.008
48.188	0.016	48.222	0.011	48.253	0.006	48.290	-0.003
48.309	0.033	48.323	0.028	48.344	-0.013	48.379	0.011
48.399	0.032	48.445	0.023	48.467	-0.021	48.489	-0.025
48.517	-0.030	48.543	0.008	48.577	-0.011	48.606	-0.018
48.634	-0.004	48.665	-0.011	48.693	-0.017	48.730	-0.007
48.785	-0.005	48.805	-0.029	48.831	-0.013	48.892	-0.013
48.921	-0.014	48.961	-0.016	48.977	-0.017	49.001	-0.011
49.028	-0.017	49.064	-0.017	49.094	0.001	49.105	0.020
49.127	0.003	49.153	-0.010	49.192	-0.010	49.193	-0.010
49.221	-0.023	49.241	-0.014	49.264	-0.014	49.291	-0.005
49.319	-0.001	49.335	0.011	49.362	-0.014	49.382	-0.030
49.398	-0.022	49.413	-0.011	49.428	-0.007	49.446	-0.003
49.453	0.005	49.482	-0.017	49.497	-0.025	49.519	-0.018
49.532	-0.022	49.566	0.009	49.605	0.013	49.649	0.008
49.674	-0.004	49.693	-0.021	49.726	-0.005	49.757	0.035
49.785	0.003	49.806	-0.013	49.828	-0.020	49.860	-0.011
49.891	-0.026	49.921	-0.009	49.921	-0.013	49.967	0.001
50.009	-0.010	50.038	0.011	50.077	0.019	50.105	-0.002
50.145	-0.002	50.206	-0.003	50.244	-0.003	50.315	0.000
50.348	0.004	50.383	-0.005	50.438	-0.008	50.474	-0.008
50.509	-0.028	50.512	-0.044	50.547	-0.032	50.572	-0.015
50.595	-0.019	50.623	-0.039	50.653	-0.026	50.666	-0.026
50.689	-0.027	50.734	-0.027	50.755	-0.027	50.792	-0.028
50.822	-0.025	50.851	-0.021	50.877	0.002	50.906	-0.015
50.938	-0.007	50.976	-0.008	51.018	-0.000	51.056	0.011
51.085	0.015	51.120	0.003	51.142	0.002	51.184	-0.010
51.210	-0.011	51.235	0.013	51.271	-0.011	51.298	-0.019
51.343	-0.010	51.368	-0.024	51.386	-0.035	51.403	-0.006
51.432	0.008	51.464	0.010	51.486	-0.009	51.519	0.000
51.556	0.021	51.593	0.011	51.617	-0.007	51.637	-0.021

51.646	-0.017	51.681	-0.020	51.703	-0.022	51.714	-0.002
51.727	-0.003	51.749	-0.012	51.767	-0.016	51.787	-0.008
51.806	-0.012	51.815	-0.020	51.827	-0.007	51.833	0.001
51.843	0.001	51.859	-0.015	51.870	-0.039	51.884	-0.039
51.901	-0.030	51.923	-0.022	51.935	-0.013	51.944	-0.000
51.957	-0.004	51.962	-0.020	51.972	-0.027	51.981	-0.026
51.982	-0.026	52.015	-0.004	52.044	0.007	52.066	0.013
52.112	0.005	52.142	0.015	52.159	0.009	52.172	0.007
52.190	0.012	52.205	0.005	52.239	-0.017	52.276	-0.017
52.301	-0.033	52.326	-0.020	52.337	-0.022	52.360	-0.017
52.381	-0.013	52.403	-0.010	52.419	-0.008	52.447	-0.012
52.461	-0.010	52.474	-0.005	52.498	-0.005	52.512	-0.004
52.526	0.001	52.540	-0.015	52.541	-0.015	52.558	-0.014
52.578	-0.001	52.599	-0.005	52.608	-0.004	52.623	-0.016
52.640	-0.011	52.641	-0.011	52.667	-0.014	52.694	-0.006
52.713	-0.014	52.738	0.010	52.772	-0.014	52.803	-0.011
52.838	0.007	52.856	-0.002	52.881	-0.036	52.895	-0.041
52.909	-0.034	52.934	-0.010	52.949	-0.002	52.963	-0.007
52.976	-0.019	52.991	-0.011	53.027	-0.007	53.059	-0.014
53.079	-0.011	53.104	-0.047	53.122	-0.046	53.142	-0.036
53.155	-0.022	53.158	-0.025	53.179	-0.014	53.200	-0.011
53.201	-0.031	53.223	-0.012	53.244	-0.005	53.262	-0.002
53.268	0.023	53.284	0.017	53.294	-0.014	53.305	-0.005
53.315	0.012	53.327	0.013	53.334	0.014	53.349	0.034
53.362	0.034	53.373	0.037	53.386	0.021	53.403	-0.020
53.426	-0.006	53.445	0.016	53.460	0.012	53.469	0.008
53.490	0.004	53.521	-0.020	53.543	-0.019	53.553	-0.011
53.573	0.011	53.588	-0.009	53.608	-0.009	53.609	-0.009
53.629	-0.017	53.640	-0.018	53.661	-0.014	53.673	-0.006
53.695	0.009	53.715	0.021	53.727	0.020	53.747	0.007
53.759	-0.002	53.762	-0.002	53.789	-0.004	53.804	-0.005
53.816	0.002	53.829	-0.007	53.839	-0.008	53.858	-0.011
53.892	-0.021	53.899	-0.022	53.916	-0.024	53.928	-0.026
53.939	-0.014	53.955	-0.020	53.973	-0.033	53.990	-0.041
53.995	-0.040	54.009	-0.031	54.026	-0.025	54.039	-0.020
54.056	-0.018	54.070	-0.016	54.090	-0.015	54.096	-0.015
54.113	-0.005	54.122	-0.005	54.131	0.003	54.132	0.003
54.151	-0.017	54.169	-0.017	54.177	-0.037	54.182	-0.037
54.193	-0.037	54.208	-0.037	54.225	-0.037	54.238	-0.037
54.251	-0.017	54.266	-0.017	54.285	-0.025	54.308	-0.009
54.327	-0.009	54.346	-0.009	54.363	-0.018	54.382	-0.018
54.398	-0.022	54.414	-0.018	54.431	-0.030	54.452	-0.018
54.472	-0.018	54.491	-0.010	54.514	-0.014	54.531	-0.002
54.549	-0.010	54.567	-0.002	54.584	-0.006	54.598	-0.001
54.615	-0.001	54.631	-0.005	54.643	0.007	54.659	0.007
54.675	-0.013	54.687	-0.013	54.699	-0.013	54.716	-0.005
54.731	0.011	54.746	0.015	54.761	0.015	54.777	0.015
54.792	0.006	54.808	0.002	54.827	-0.003	54.853	0.005
54.873	0.005	54.896	-0.008	54.909	-0.016	54.926	-0.033
54.948	-0.025	54.972	-0.013	54.986	-0.006	54.997	-0.006
55.014	-0.002	55.031	-0.003	55.051	-0.003	55.074	0.000
55.095	0.012	55.111	-0.001	55.125	-0.014	55.140	-0.018
55.154	-0.014	55.167	-0.003	55.179	-0.007	55.189	0.005
55.200	-0.003	55.216	-0.011	55.231	-0.019	55.245	-0.015
55.260	-0.015	55.272	-0.011	55.281	-0.011	55.298	-0.007
55.312	-0.003	55.325	0.001	55.339	-0.008	55.354	-0.020

55.368	-0.024	55.380	-0.024	55.394	-0.020	55.406	-0.020
55.418	-0.004	55.436	-0.004	55.451	-0.007	55.467	-0.019
55.482	-0.019	55.497	-0.019	55.510	-0.015	55.521	-0.019
55.535	-0.003	55.545	-0.003	55.558	-0.006	55.572	-0.010
55.583	-0.014	55.593	-0.014	55.607	-0.002	55.616	0.002
55.625	0.010	55.637	-0.002	55.649	-0.002	55.664	-0.023
55.676	-0.019	55.687	-0.015	55.703	-0.011	55.715	-0.007
55.730	-0.003	55.739	-0.007	55.753	-0.015	55.765	-0.028
55.774	-0.028	55.786	-0.028	55.796	-0.016	55.806	-0.016
55.815	-0.008	55.826	-0.000	55.834	0.004	55.848	-0.000
55.862	-0.009	55.871	-0.013	55.885	-0.005	55.898	0.007
55.910	0.027	55.926	0.022	55.940	0.026	55.958	0.005
55.972	-0.007	55.987	-0.012	56.001	-0.008	56.017	-0.008
56.029	0.000	56.041	0.000	56.052	-0.012	56.067	-0.024
56.075	-0.028	56.089	-0.024	56.099	-0.016	56.109	0.008
56.121	0.012	56.134	0.020	56.145	0.024	56.154	0.020
56.170	0.008	56.185	0.000	56.199	-0.004	56.214	0.000
56.226	-0.004	56.238	-0.008	56.252	-0.012	56.267	-0.016
56.279	-0.020	56.294	-0.020	56.307	-0.016	56.324	-0.008
56.344	0.004	56.361	0.004	56.379	0.004	56.394	0.004
56.408	-0.008	56.424	-0.008	56.441	-0.013	56.455	-0.025
56.467	-0.021	56.482	-0.025	56.496	-0.025	56.509	-0.021
56.519	-0.017	56.532	-0.013	56.545	-0.006	56.555	-0.002
56.566	-0.002	56.580	0.006	56.596	-0.002	56.610	-0.014
56.619	-0.018	56.633	-0.015	56.646	-0.003	56.658	0.018
56.669	0.005	56.680	0.013	56.692	0.005	56.701	0.001
56.709	0.001	56.718	-0.003	56.738	-0.016	56.745	-0.024
56.763	-0.012	56.780	0.005	56.799	0.021	56.812	0.021
56.825	0.013	56.840	0.010	56.853	0.014	56.860	0.014
56.870	0.010	56.879	0.018	56.892	0.018	56.910	0.018
56.925	-0.002	56.940	0.027	56.951	0.023	56.964	0.015
56.982	-0.001	56.996	-0.021	57.014	-0.021	57.028	-0.025
57.044	-0.012	57.054	-0.000	57.068	-0.004	57.083	0.008
57.096	0.020	57.107	0.020	57.122	0.008	57.135	-0.008
57.158	-0.003	57.177	-0.011	57.198	-0.007	57.209	-0.003
57.226	-0.016	57.246	-0.033	57.264	-0.017	57.285	-0.006
57.305	0.005	57.322	0.005	57.341	-0.004	57.359	-0.005
57.374	-0.009	57.384	-0.006	57.394	-0.006	57.407	0.010
57.425	0.001	57.434	0.001	57.445	0.005	57.457	-0.024
57.469	-0.016	57.482	-0.016	57.496	-0.017	57.512	-0.025
57.525	-0.022	57.537	-0.022	57.555	-0.018	57.569	0.002
57.586	0.026	57.598	0.029	57.613	0.013	57.627	-0.012
57.640	-0.032	57.652	-0.036	57.664	-0.028	57.686	0.025
57.699	0.021	57.711	0.021	57.722	-0.003	57.733	0.001
57.747	-0.007	57.759	-0.015	57.771	-0.019	57.785	-0.011
57.797	-0.007	57.810	-0.003	57.820	-0.011	57.831	-0.003
57.840	0.001	57.853	-0.003	57.862	-0.011	57.871	-0.007
57.881	0.009	57.891	0.021	57.902	0.025	57.915	0.033
57.927	0.029	57.935	0.020	57.945	0.008	57.957	-0.016
57.969	-0.029	57.977	-0.025	57.986	-0.021	57.995	-0.021
58.008	-0.005	58.021	0.003	58.038	-0.005	58.051	-0.009
58.061	-0.013	58.072	-0.034	58.086	-0.030	58.096	-0.022
58.109	-0.001	58.115	0.011	58.127	0.006	58.145	-0.026
58.157	-0.055	58.165	-0.071	58.175	-0.059	58.189	-0.022
58.205	0.018	58.214	0.026	58.224	0.030	58.240	0.001
58.255	-0.019	58.270	-0.011	58.282	-0.011	58.294	0.001

58.309	-0.003	58.319	-0.015	58.329	-0.031	58.333	-0.027
58.350	-0.019	58.365	-0.015	58.376	-0.015	58.391	-0.003
58.416	-0.015	58.432	-0.019	58.449	-0.015	58.468	0.009
58.484	0.013	58.499	0.009	58.515	0.021	58.527	0.021
58.539	0.009	58.554	-0.008	58.566	-0.008	58.577	0.000
58.587	0.000	58.604	-0.004	58.619	-0.004	58.637	-0.000
58.653	-0.004	58.669	-0.005	58.680	-0.009	58.691	-0.001
58.704	0.007	58.721	0.015	58.735	0.015	58.749	0.023
58.762	0.023	58.776	0.010	58.787	-0.006	58.802	-0.002
58.816	-0.002	58.827	-0.007	58.838	-0.003	58.851	0.001
58.865	0.009	58.879	0.017	58.891	0.017	58.903	0.005
58.914	0.000	58.923	-0.016	58.933	-0.020	58.942	-0.020
58.949	-0.024	58.961	-0.004	58.969	0.004	58.978	0.004
58.991	0.008	59.001	0.012	59.011	0.004	59.020	-0.013
59.031	-0.025	59.044	-0.033	59.059	-0.033	59.071	-0.029
59.083	-0.030	59.098	-0.030	59.110	-0.030	59.122	-0.034
59.134	-0.034	59.147	-0.014	59.158	-0.010	59.172	0.006
59.185	0.010	59.202	0.002	59.217	-0.002	59.235	-0.002
59.253	-0.002	59.268	0.010	59.279	0.030	59.295	0.010
59.310	-0.011	59.328	-0.023	59.344	-0.039	59.359	-0.031
59.371	-0.019	59.384	-0.011	59.397	0.001	59.408	0.001
59.423	0.001	59.435	0.014	59.447	0.022	59.461	0.018
59.475	0.018	59.489	0.014	59.501	0.006	59.511	-0.002
59.526	-0.010	59.537	-0.006	59.545	-0.002	59.555	-0.002
59.568	-0.006	59.581	-0.010	59.597	-0.006	59.612	0.006
59.627	0.002	59.639	0.002	59.649	0.007	59.662	0.019
59.671	0.011	59.683	0.003	59.696	0.003	59.707	-0.001
59.718	0.003	59.733	0.007	59.746	0.007	59.764	0.007
59.781	0.003	59.795	0.011	59.815	0.015	59.831	0.011
59.843	-0.001	59.857	-0.017	59.870	-0.017	59.882	-0.009
59.895	-0.005	59.910	-0.009	59.920	-0.005	59.932	-0.001
59.946	0.003	59.957	-0.001	59.971	0.003	59.989	-0.010
60.007	-0.014	60.023	-0.014	60.036	-0.010	60.054	-0.014
60.069	-0.010	60.082	-0.023	60.097	-0.019	60.115	-0.015
60.131	-0.003	60.148	0.005	60.166	0.005	60.185	-0.004
60.202	-0.004	60.219	-0.008	60.237	-0.008	60.252	-0.009
60.267	-0.013	60.282	-0.009	60.300	-0.013	60.317	-0.018
60.345	-0.002	60.363	-0.010	60.384	-0.006	60.401	-0.011
60.420	0.001	60.435	0.001	60.453	-0.003	60.473	0.005
60.490	-0.004	60.510	-0.008	60.525	0.004	60.543	0.007
60.559	0.015	60.573	0.003	60.587	-0.005	60.600	-0.010
60.616	0.014	60.628	0.002	60.642	0.002	60.654	-0.003
60.667	-0.007	60.681	0.001	60.693	-0.003	60.707	0.000
60.720	-0.004	60.733	-0.004	60.745	-0.012	60.755	-0.020
60.768	-0.025	60.779	-0.017	60.789	-0.017	60.798	-0.021
60.811	-0.017	60.824	-0.017	60.839	-0.014	60.852	-0.014
60.861	-0.018	60.870	-0.014	60.880	-0.018	60.895	-0.018
60.908	-0.014	60.922	-0.015	60.931	-0.011	60.949	-0.023
60.966	-0.019	60.978	-0.030	60.993	-0.030	61.008	-0.026
61.024	-0.017	61.035	-0.013	61.047	-0.013	61.061	-0.000
61.075	-0.008	61.089	-0.012	61.102	-0.020	61.117	-0.007
61.131	-0.003	61.141	-0.015	61.159	-0.022	61.173	-0.034
61.188	-0.034	61.201	-0.042	61.213	-0.033	61.228	-0.025
61.240	-0.020	61.254	-0.008	61.272	-0.008	61.288	-0.007
61.304	-0.003	61.319	0.002	61.329	0.006	61.343	0.010
61.354	-0.010	61.367	-0.022	61.377	-0.021	61.390	-0.021

61.403	-0.009	61.418	-0.001	61.427	0.003	61.441	-0.010
61.452	-0.018	61.463	-0.010	61.473	-0.022	61.482	-0.018
61.495	-0.010	61.508	-0.006	61.519	-0.002	61.532	-0.003
61.545	-0.003	61.555	-0.007	61.572	-0.011	61.595	-0.003
61.616	0.008	61.639	-0.004	61.649	-0.000	61.666	-0.012
61.681	-0.012	61.697	-0.013	61.717	-0.009	61.739	0.003
61.758	-0.013	61.780	-0.013	61.801	-0.005	61.817	-0.006
61.835	-0.010	61.853	-0.006	61.871	-0.014	61.885	-0.013
61.896	-0.017	61.912	-0.013	61.924	-0.013	61.935	-0.009
61.953	-0.008	61.972	-0.012	61.987	-0.012	61.998	-0.008
62.013	-0.008	62.032	-0.003	62.051	-0.003	62.074	-0.007
62.096	-0.007	62.111	-0.007	62.127	-0.015	62.143	-0.002
62.159	0.006	62.174	0.010	62.189	0.010	62.206	0.006
62.230	0.002	62.248	0.002	62.266	-0.002	62.283	-0.006
62.301	-0.014	62.314	-0.019	62.327	-0.011	62.341	-0.007
62.352	-0.011	62.362	-0.012	62.384	-0.000	62.403	-0.000
62.419	-0.013	62.441	-0.005	62.455	0.006	62.467	0.006
62.483	0.006	62.497	-0.003	62.510	0.001	62.522	-0.003
62.538	0.004	62.556	0.008	62.570	0.011	62.583	-0.002
62.601	-0.010	62.617	-0.015	62.632	-0.007	62.645	0.000
62.658	-0.000	62.669	0.007	62.684	-0.005	62.698	-0.002
62.713	-0.010	62.731	-0.011	62.752	-0.003	62.774	-0.004
62.787	-0.004	62.809	-0.008	62.830	-0.001	62.845	-0.009
62.863	-0.005	62.880	-0.022	62.896	-0.022	62.913	-0.026
62.934	-0.002	62.950	-0.015	62.966	-0.015	62.985	-0.027
63.001	-0.018	63.014	-0.018	63.028	-0.014	63.040	-0.022
63.057	-0.018	63.072	-0.021	63.088	-0.021	63.105	-0.009
63.118	-0.009	63.137	-0.008	63.158	-0.008	63.174	-0.008
63.192	0.004	63.210	0.001	63.228	-0.003	63.247	0.013
63.267	0.014	63.284	0.002	63.302	-0.010	63.315	-0.018
63.333	0.002	63.350	0.015	63.366	0.015	63.378	0.011
63.392	0.003	63.407	0.003	63.419	0.007	63.438	0.011
63.452	0.003	63.465	0.003	63.479	-0.009	63.497	-0.006
63.509	0.002	63.524	-0.002	63.538	0.010	63.558	-0.006
63.575	-0.002	63.597	0.014	63.613	0.006	63.633	0.002
63.649	-0.003	63.664	-0.015	63.682	-0.007	63.694	-0.007
63.711	-0.007	63.726	0.005	63.739	0.005	63.754	-0.011
63.745	-0.011	63.777	-0.007	63.793	-0.008	63.809	-0.004
63.821	-0.004	63.836	-0.008	63.849	-0.008	63.863	-0.012
63.876	0.000	63.888	0.000	63.902	-0.008	63.915	-0.012
63.928	-0.016	63.944	0.000	63.959	0.000	63.968	0.004
63.982	-0.004	63.995	-0.008	64.010	-0.008	64.025	-0.007
64.045	-0.011	64.062	-0.003	64.080	-0.007	64.099	-0.019
64.111	-0.015	64.129	-0.002	64.154	-0.006	64.169	0.002
64.185	-0.010	64.202	-0.018	64.216	-0.018	64.234	-0.023
64.254	-0.027	64.273	-0.019	64.291	-0.024	64.308	-0.016
64.325	-0.008	64.342	-0.008	64.362	-0.005	64.378	0.003
64.390	-0.002	64.399	0.010	64.413	0.002	64.425	-0.003
64.439	0.000	64.451	0.004	64.462	0.004	64.476	-0.005
64.492	-0.002	64.503	-0.002	64.520	-0.007	64.544	0.001
64.564	0.005	64.582	0.008	64.598	0.012	64.612	0.012
64.624	0.012	64.636	0.008	64.650	0.012	64.660	0.012
64.672	0.008	64.687	0.004	64.707	-0.001	64.724	-0.005
64.746	-0.001	64.764	-0.005	64.779	-0.009	64.797	-0.005
64.817	-0.001	64.832	-0.000	64.847	-0.017	64.857	-0.013
64.874	-0.008	64.900	0.012	64.924	-0.000	64.941	-0.008

64.960	-0.012	64.984	-0.000	64.999	0.008	65.022	-0.001
65.039	-0.013	65.058	-0.005	65.077	-0.014	65.091	-0.010
65.103	-0.006	65.115	-0.006	65.121	-0.010	65.127	-0.018
65.135	-0.015	65.158	-0.011	65.191	-0.007	65.223	-0.007
65.261	-0.020	65.303	-0.024	65.341	-0.016	65.381	-0.017
65.417	-0.017	65.447	-0.009	65.476	-0.009	65.497	-0.009
65.518	-0.009	65.548	-0.005	65.576	0.003	65.601	-0.001
65.629	0.003	65.653	0.003	65.680	0.003	65.707	0.003
65.724	0.003	65.745	0.007	65.766	0.011	65.791	0.003
65.815	-0.006	65.836	-0.010	65.854	-0.002	65.871	-0.002
65.888	0.006	65.907	0.002	65.927	-0.002	65.944	-0.002
65.960	-0.010	65.981	-0.011	65.997	-0.007	66.013	-0.011
66.035	-0.015	66.056	-0.016	66.077	-0.016	66.100	-0.016
66.123	-0.016	66.148	-0.017	66.164	-0.013	66.183	-0.009
66.205	-0.005	66.228	-0.010	66.246	-0.010	66.267	-0.010
66.285	-0.002	66.303	0.005	66.314	-0.003	66.330	-0.003
66.355	-0.007	66.376	0.000	66.402	0.004	66.426	0.000
66.445	0.000	66.472	0.000	66.497	-0.004	66.522	-0.007
66.546	0.001	66.571	0.009	66.592	0.013	66.614	0.009
66.638	-0.003	66.659	0.002	66.682	0.014	66.704	0.014
66.722	0.006	66.743	-0.002	66.766	-0.001	66.783	-0.001
66.805	-0.005	66.823	-0.009	66.847	-0.005	66.864	-0.001
66.885	-0.005	66.909	-0.013	66.934	-0.013	66.959	-0.009
66.982	-0.013	67.008	-0.005	67.029	-0.009	67.057	-0.009
67.082	-0.001	67.105	-0.005	67.133	-0.009	67.166	-0.004
67.195	-0.008	67.223	-0.004	67.248	-0.004	67.275	-0.008
67.299	-0.016	67.325	-0.012	67.350	-0.004	67.377	0.008
67.403	0.004	67.429	0.000	67.459	0.008	67.482	0.012
67.509	0.008	67.533	0.008	67.559	0.004	67.582	0.008
67.608	0.012	67.628	-0.001	67.659	0.007	67.689	0.007
67.722	-0.009	67.749	0.003	67.774	0.003	67.799	-0.009
67.828	-0.013	67.855	-0.004	67.882	0.004	67.909	0.000
67.936	-0.003	67.962	-0.003	67.984	0.014	68.011	0.010
68.038	0.002	68.067	-0.002	68.097	0.002	68.126	-0.006
68.152	-0.018	68.179	-0.007	68.204	-0.003	68.228	-0.016
68.252	-0.024	68.277	-0.008	68.306	-0.012	68.333	-0.017
68.357	-0.021	68.381	-0.009	68.408	-0.014	68.432	-0.014
68.453	-0.019	68.479	-0.019	68.505	0.001	68.533	-0.007
68.560	-0.012	68.585	-0.016	68.614	-0.015	68.635	0.006
68.659	0.024	68.684	0.025	68.705	0.005	68.726	-0.014
68.752	-0.005	68.774	0.016	68.793	0.008	68.811	-0.024
68.825	-0.047	68.845	-0.011	68.863	0.030	68.880	0.062
68.897	0.030	68.917	-0.011	68.933	-0.039	68.949	-0.043
68.969	0.005	68.989	0.013	69.005	0.009	69.022	-0.031
69.040	-0.059	69.055	-0.043	69.070	0.017	69.089	0.042
69.105	0.030	69.117	-0.015	69.131	-0.059	69.149	-0.047
69.169	-0.011	69.189	0.033	69.202	0.029	69.218	-0.008
69.234	-0.037	69.255	-0.021	69.276	0.015	69.298	0.018
69.319	-0.004	69.339	-0.029	69.359	-0.031	69.391	-0.008
69.415	0.010	69.436	-0.031	69.454	-0.036	69.479	-0.024
69.503	-0.013	69.529	-0.022	69.553	-0.021	69.569	-0.021
69.585	-0.029	69.611	-0.012	69.633	0.005	69.651	-0.007
69.673	-0.019	69.692	-0.031	69.713	-0.015	69.735	0.001
69.754	-0.015	69.773	-0.028	69.792	-0.032	69.816	-0.013
69.840	0.008	69.858	-0.011	69.871	-0.023	69.897	-0.009
69.920	-0.004	69.947	0.005	69.966	0.019	69.987	-0.008

70.009	-0.023	70.027	-0.025	70.054	0.013	70.073	0.021
70.089	0.017	70.110	-0.019	70.127	-0.020	70.147	-0.004
70.167	0.025	70.188	0.020	70.203	-0.013	70.224	-0.022
70.248	-0.027	70.273	-0.011	70.291	-0.004	70.312	-0.020
70.335	-0.024	70.365	-0.008	70.390	0.008	70.411	0.000
70.438	-0.008	70.461	0.001	70.482	0.009	70.500	0.017
70.518	0.001	70.535	-0.015	70.554	-0.012	70.575	0.004
70.601	-0.005	70.621	-0.010	70.644	-0.002	70.666	0.017
70.685	0.020	70.701	0.007	70.721	0.002	70.751	0.013
70.776	0.001	70.795	-0.016	70.815	-0.016	70.836	-0.013
70.859	0.008	70.881	0.012	70.905	-0.007	70.927	-0.018
70.940	-0.022	70.962	-0.005	70.979	0.008	70.997	0.001
71.024	-0.022	71.047	-0.017	71.063	-0.008	71.081	0.005
71.104	-0.007	71.124	-0.016	71.143	-0.020	71.166	-0.004
71.189	0.008	71.206	0.004	71.221	-0.004	71.247	-0.013
71.271	0.002	71.291	0.001	71.316	-0.012	71.335	-0.017
71.357	-0.013	71.372	-0.014	71.398	0.006	71.421	-0.003
71.442	-0.019	71.465	-0.012	71.489	0.000	71.506	-0.000
71.523	-0.008	71.540	-0.017	71.562	-0.005	71.583	0.015
71.595	0.015	71.625	0.004	71.647	-0.012	71.675	-0.016
71.708	-0.020	71.732	-0.011	71.760	-0.031	71.788	0.006
71.810	0.031	71.824	0.027	71.840	-0.005	71.872	-0.037
71.889	-0.013	71.908	0.008	71.925	0.004	71.948	0.004
71.972	-0.024	71.996	-0.000	72.018	0.007	72.040	0.007
72.060	-0.018	72.080	-0.038	72.104	0.002	72.129	0.031
72.149	0.014	72.170	-0.002	72.188	-0.010	72.211	-0.002
72.226	0.007	72.245	-0.001	72.260	-0.009	72.277	-0.017
72.296	-0.025	72.313	-0.024	72.343	0.016	72.365	0.016
72.387	0.004	72.413	-0.009	72.438	0.015	72.460	0.031
72.475	0.014	72.495	-0.011	72.520	-0.031	72.550	0.020
72.568	0.016	72.584	0.008	72.609	-0.021	72.635	0.008
72.659	0.028	72.680	0.011	72.702	0.003	72.730	-0.005
72.755	0.019	72.776	0.020	72.796	0.012	72.814	-0.008
72.838	-0.036	72.872	-0.003	72.890	-0.003	72.925	0.010
72.949	0.002	72.982	0.002	73.005	0.001	73.030	0.021
73.056	-0.004	73.086	-0.013	73.108	-0.005	73.141	0.007
73.166	-0.001	73.193	-0.000	73.221	0.005	73.239	0.002
73.256	0.002	73.284	0.004	73.305	-0.004	73.331	0.005
73.361	0.014	73.394	-0.002	73.430	0.000	73.456	-0.001
73.485	-0.003	73.486	-0.003	73.506	-0.004	73.528	-0.006
73.552	-0.012	73.579	0.019	73.601	0.013	73.625	0.005
73.646	-0.004	73.661	-0.016	73.682	0.004	73.702	0.007
73.719	0.007	73.750	-0.045	73.769	-0.001	73.787	0.032
73.807	0.011	73.841	-0.008	73.862	-0.016	73.886	0.025
73.909	0.001	73.937	-0.035	73.963	-0.014	73.985	-0.001
74.006	0.003	74.031	-0.001	74.053	-0.002	74.078	0.001
74.115	0.008	74.132	0.004	74.155	-0.017	74.179	-0.022
74.206	0.001	74.232	-0.006	74.253	-0.043	74.268	-0.071
74.292	-0.038	74.309	0.019	74.329	0.020	74.346	-0.033
74.366	-0.049	74.387	0.000	74.406	0.029	74.433	0.009
74.456	-0.003	74.471	-0.003	74.490	0.005	74.515	-0.011
74.541	-0.031	74.559	-0.043	74.582	-0.015	74.610	-0.015
74.637	-0.019	74.663	-0.039	74.695	-0.010	74.723	0.023
74.744	0.048	74.768	0.012	74.806	-0.032	74.831	0.001
74.856	-0.010	74.874	0.003	74.903	0.044	74.928	0.016
74.953	-0.028	74.969	-0.045	75.002	-0.014	75.032	0.034

75.051	0.070	75.075	0.032	75.095	-0.021	75.120	-0.063
75.148	-0.004	75.175	0.078	75.202	0.026	75.224	-0.022
75.243	-0.054	75.273	-0.013	75.296	0.004	75.319	-0.016
75.336	-0.036	75.370	0.009	75.407	-0.019	75.432	-0.015
75.458	-0.035	75.489	0.026	75.517	-0.006	75.537	-0.046
75.565	-0.046	75.600	0.048	75.624	-0.024	75.647	-0.059
75.671	-0.055	75.694	0.013	75.710	0.053	75.747	-0.005
75.774	-0.048	75.785	-0.048	75.801	-0.045	75.815	-0.016
75.831	-0.005	75.849	-0.001	75.864	0.019	75.890	0.039
75.901	-0.006	75.912	-0.046	75.927	-0.071	75.951	-0.059
75.969	-0.051	75.987	0.005	76.010	0.029	76.030	0.020
76.058	-0.021	76.073	-0.033	76.095	-0.037	76.111	-0.001
76.131	0.036	76.169	-0.037	76.191	-0.029	76.205	-0.029
76.221	-0.016	76.248	-0.037	76.281	0.016	76.298	0.016
76.326	0.016	76.350	0.016	76.368	-0.004	76.386	-0.012
76.413	-0.044	76.431	-0.031	76.449	-0.023	76.479	-0.023
76.499	-0.023	76.522	-0.006	76.552	0.010	76.572	-0.030
76.597	-0.062	76.618	-0.018	76.640	0.019	76.663	-0.026
76.683	-0.050	76.709	-0.021	76.729	-0.025	76.747	-0.017
76.775	-0.021	76.799	-0.021	76.816	-0.029	76.836	-0.037
76.856	-0.025	76.877	0.011	76.895	0.028	76.914	-0.005
76.934	-0.029	76.954	-0.062	76.978	-0.001	77.002	0.028
77.023	-0.009	77.040	-0.029	77.055	-0.029	77.069	-0.029
77.088	-0.009	77.105	0.003	77.114	-0.001	77.136	-0.001
77.163	0.003	77.188	0.040	77.201	0.028	77.215	-0.025
77.233	-0.029	77.247	-0.029	77.271	-0.025	77.285	-0.009
77.304	0.015	77.321	0.003	77.343	-0.025	77.359	-0.021
77.377	-0.013	77.403	0.003	77.426	0.019	77.447	0.003
77.462	-0.013	77.481	-0.017	77.503	-0.013	77.523	-0.013
77.544	-0.005	77.558	0.019	77.574	0.019	77.591	-0.014
77.604	-0.030	77.620	-0.006	77.639	0.002	77.657	-0.006
77.678	-0.006	77.703	0.018	77.733	0.042	77.750	-0.003
77.766	-0.036	77.781	-0.040	77.797	-0.012	77.821	0.020
77.839	0.008	77.860	-0.009	77.877	0.007	77.901	0.023
77.919	0.010	77.940	-0.035	77.950	-0.059	77.977	0.009
78.005	0.058	78.019	0.053	78.043	-0.003	78.064	-0.048
78.085	-0.012	78.105	0.024	78.126	0.040	78.143	0.004
78.162	-0.033	78.177	-0.049	78.208	0.003	78.241	0.040
78.260	0.015	78.281	-0.021	78.300	-0.009	78.323	0.015
78.337	0.007	78.359	-0.005	78.383	-0.030	78.415	0.023
78.449	0.014	78.476	-0.006	78.502	-0.030	78.527	-0.018
78.555	0.002	78.588	0.010	78.619	-0.007	78.646	0.009
78.673	0.005	78.700	-0.016	78.721	-0.016	78.748	0.016
78.763	0.029	78.804	-0.012	78.825	-0.000	78.854	0.012
78.873	0.012	78.901	-0.012	78.916	0.004	78.938	-0.000
78.960	-0.001	78.987	-0.001	79.009	-0.001	79.028	-0.005
79.047	-0.009	79.068	-0.009	79.089	-0.009	79.116	0.023
79.143	-0.002	79.161	-0.010	79.185	-0.010	79.215	0.010
79.236	0.014	79.255	0.014	79.271	0.010	79.295	0.001
79.322	-0.024	79.338	-0.024	79.361	0.000	79.379	0.020
79.398	0.020	79.422	0.011	79.449	-0.013	79.479	0.011
79.501	0.002	79.529	-0.023	79.553	-0.007	79.586	0.013
79.607	0.005	79.629	0.004	79.652	0.004	79.667	0.004
79.694	0.012	79.721	-0.016	79.743	-0.024	79.770	0.017
79.796	0.049	79.817	0.021	79.842	-0.015	79.878	0.005
79.920	0.030	79.949	0.010	79.973	0.010	79.994	0.018

80.017	0.018	80.045	-0.006	80.072	0.001	80.093	0.001
80.118	-0.012	80.136	-0.012	80.165	0.008	80.208	-0.009
80.251	0.023	80.273	-0.006	80.299	-0.010	80.324	0.006
80.355	-0.003	80.379	-0.007	80.406	-0.024	80.423	-0.024
80.461	0.004	80.482	-0.005	80.497	-0.029	80.512	-0.029
80.527	-0.029	80.551	0.019	80.579	0.015	80.604	-0.021
80.625	0.003	80.649	0.011	80.671	0.003	80.701	-0.013
80.731	0.011	80.750	0.015	80.771	0.019	80.792	0.007
80.817	-0.009	80.838	-0.005	80.866	0.003	80.887	0.003
80.911	0.003	80.930	0.003	80.948	0.003	80.965	0.003
80.982	0.003	81.001	-0.014	81.023	-0.006	81.041	0.002
81.063	-0.002	81.074	-0.002	81.096	-0.018	81.117	-0.006
81.149	0.034	81.168	0.009	81.198	-0.007	81.222	-0.007
81.246	-0.012	81.267	-0.004	81.294	-0.012	81.314	-0.012
81.338	0.004	81.359	0.020	81.380	0.008	81.411	-0.009
81.432	-0.013	81.464	-0.001	81.477	0.015	81.501	0.003
81.531	-0.005	81.546	-0.009	81.575	0.011	81.614	-0.001
81.641	-0.013	81.668	-0.013	81.697	-0.021	81.715	-0.025
81.758	0.019	81.780	0.007	81.805	0.003	81.832	-0.009
81.863	0.003	81.892	0.015	81.911	0.015	81.939	0.015
81.972	0.007	82.000	-0.001	82.032	-0.001	82.062	0.003
82.088	0.007	82.119	-0.013	82.148	0.003	82.185	0.007
82.217	-0.017	82.246	-0.009	82.271	-0.009	82.297	-0.009
82.322	-0.009	82.348	0.019	82.367	0.019	82.402	-0.010
82.426	-0.010	82.449	-0.010	82.482	0.014	82.508	-0.010
82.534	-0.018	82.566	-0.011	82.602	-0.007	82.637	-0.008
82.672	0.000	82.694	-0.000	82.717	-0.013	82.753	-0.005
82.794	-0.005	82.826	-0.010	82.853	-0.018	82.883	-0.006
82.910	0.005	82.931	-0.015	82.967	-0.036	83.000	0.000
83.026	-0.008	83.057	-0.024	83.096	0.008	83.117	0.004
83.152	-0.013	83.180	-0.013	83.209	-0.013	83.237	-0.013
83.272	0.003	83.303	-0.009	83.331	-0.013	83.359	-0.021
83.388	-0.009	83.419	-0.001	83.445	-0.009	83.472	-0.021
83.502	-0.005	83.527	-0.009	83.559	-0.017	83.587	-0.017
83.616	-0.013	83.631	-0.013	83.658	-0.001	83.698	-0.021
83.728	-0.017	83.757	-0.017	83.785	-0.025	83.821	-0.013
83.849	-0.009	83.874	-0.013	83.898	-0.013	83.931	-0.009
83.952	-0.013	83.972	-0.017	84.008	-0.005	84.035	-0.005
84.071	-0.009	84.101	-0.009	84.123	-0.009	84.157	-0.017
84.187	-0.025	84.223	-0.005	84.249	-0.017	84.275	-0.025
84.299	-0.009	84.325	0.008	84.354	-0.016	84.380	-0.024
84.413	0.004	84.446	0.000	84.480	-0.020	84.512	-0.008
84.529	-0.003	84.552	-0.007	84.583	-0.031	84.613	-0.011
84.644	0.006	84.664	0.010	84.688	-0.010	84.706	-0.014
84.740	-0.006	84.765	-0.006	84.791	-0.014	84.811	-0.014
84.823	-0.014	84.853	0.002	84.877	-0.002	84.901	-0.018
84.928	-0.010	84.957	-0.002	84.982	-0.010	85.011	-0.006
85.027	-0.002	85.063	0.010	85.095	-0.015	85.116	-0.007
85.136	0.001	85.161	-0.007	85.179	-0.007	85.207	-0.024
85.229	0.008	85.260	0.024	85.289	-0.008	85.313	-0.041
85.336	-0.008	85.363	-0.008	85.393	-0.029	85.414	-0.033
85.443	-0.017	85.471	-0.001	85.491	-0.009	85.509	-0.017
85.541	0.003	85.562	-0.005	85.583	-0.021	85.612	-0.025
85.648	-0.001	85.669	0.007	85.700	-0.009	85.722	-0.017
85.753	0.003	85.780	-0.005	85.803	-0.009	85.825	-0.009
85.849	-0.009	85.884	-0.009	85.910	-0.017	85.945	-0.017

85.971	-0.001	86.007	-0.025	86.032	-0.025	86.062	-0.017
86.088	-0.013	86.114	-0.033	86.142	-0.017	86.161	-0.009
86.187	-0.017	86.205	-0.017	86.231	-0.017	86.270	-0.001
86.291	-0.017	86.315	-0.030	86.341	-0.006	86.367	0.010
86.395	-0.006	86.416	-0.022	86.447	0.006	86.473	-0.002
86.503	0.006	86.530	-0.007	86.551	-0.019	86.574	-0.006
86.607	-0.001	86.623	-0.012	86.640	-0.012	86.648	-0.003
86.658	0.005	86.672	0.014	86.687	0.034	86.700	0.022
86.714	-0.002	86.740	-0.018	86.762	-0.017	86.780	-0.009
86.806	0.003	86.824	-0.009	86.852	-0.005	86.882	0.003
86.905	0.011	86.914	0.011	86.942	-0.001	86.975	-0.001
86.995	0.007	87.018	-0.001	87.045	-0.013	87.065	0.007
87.081	0.003	87.102	-0.006	87.126	-0.006	87.144	0.002
87.166	0.019	87.182	0.014	87.197	-0.002	87.220	-0.014
87.242	-0.011	87.255	0.009	87.269	0.017	87.286	0.004
87.299	-0.008	87.323	-0.013	87.341	-0.006	87.357	-0.002
87.375	0.010	87.394	-0.003	87.422	-0.016	87.438	-0.004
87.455	0.003	87.473	0.006	87.492	0.005	87.514	-0.005
87.530	-0.006	87.546	0.006	87.562	0.014	87.585	0.005
87.610	-0.008	87.631	-0.016	87.643	0.007	87.664	0.019
87.682	0.011	87.700	-0.010	87.728	-0.025	87.741	-0.016
87.758	0.001	87.771	0.018	87.790	-0.002	87.811	-0.009
87.835	-0.020	87.865	-0.014	87.881	-0.005	87.900	-0.004
87.921	-0.015	87.946	-0.017	87.966	-0.004	87.998	0.018
88.019	0.007	88.037	-0.008	88.061	-0.004	88.080	0.009
88.058	0.021	88.122	0.014	88.139	0.002	88.161	-0.005
88.181	0.003	88.202	0.011	88.221	0.011	88.248	0.007
88.279	0.015	88.315	0.019	88.345	0.015	88.377	0.015
88.410	0.015	88.440	0.015	88.477	0.015	88.510	0.019
88.542	0.023	88.580	0.028	88.624	0.015	88.646	0.028
88.672	0.028	88.701	0.019	88.727	0.032	88.747	0.019
88.772	-0.001	88.799	0.011	88.826	0.032	88.853	0.019
88.885	0.007	88.915	0.023	88.940	0.027	88.969	0.014
89.002	-0.015	89.020	0.009	89.050	0.029	89.083	0.016
89.124	0.016	89.153	0.020	89.175	0.016	89.206	0.015
89.231	0.011	89.259	-0.005	89.278	0.007	89.298	0.032
89.331	0.015	89.359	0.015	89.385	0.015	89.412	0.032
89.443	0.015	89.475	-0.005	89.495	0.007	89.529	0.015
89.566	0.015	89.594	0.015	89.616	0.015	89.644	0.007
89.678	0.015	89.709	0.007	89.737	0.007	89.761	0.011
89.791	0.011	89.824	0.011	89.854	0.007	89.884	0.015
89.914	0.007	89.950	0.007	89.982	0.007	90.011	0.007
90.039	0.015	90.070	0.015	90.093	0.015	90.121	0.015
90.156	0.007	90.185	0.007	90.212	0.015	90.233	0.015
90.257	0.028	90.281	0.011	90.300	-0.005	90.320	-0.005
90.347	0.023	90.371	0.044	90.401	0.036	90.430	0.015
90.466	-0.009	90.481	0.007	90.503	0.010	90.529	-0.002
90.559	0.010	90.580	0.009	90.607	0.009	90.632	0.008
90.659	0.008	90.680	0.024	90.699	0.011	90.725	-0.014
90.744	-0.006	90.764	0.006	90.789	0.014	90.813	0.010
90.840	-0.014	90.860	-0.018	90.880	0.010	90.904	0.006
90.927	0.003	90.951	0.007	90.980	0.039	91.004	0.027
91.023	0.011	91.055	-0.013	91.071	0.011	91.092	0.028
91.114	0.023	91.140	0.011	91.165	0.003	91.189	0.003
91.228	0.003	91.245	0.023	91.268	0.044	91.290	0.032
91.307	0.011	91.327	-0.009	91.349	-0.001	91.376	0.007

91.403	0.019	91.432	0.006	91.460	-0.002	91.488	-0.002
91.525	-0.003	91.537	0.005	91.564	0.016	91.596	0.007
91.627	-0.002	91.661	-0.002	91.688	-0.023	91.713	-0.003
91.738	-0.004	91.752	0.016	91.771	0.032	91.800	0.020
91.818	0.020	91.836	0.019	91.852	-0.005	91.882	-0.021
91.905	-0.005	91.925	0.011	91.953	0.007	91.979	0.019
91.998	0.019	92.018	-0.005	92.040	-0.005	92.061	0.007
92.077	0.015	92.101	-0.001	92.131	-0.009	92.151	-0.009
92.172	0.003	92.196	-0.013	92.217	-0.017	92.240	0.007
92.265	0.011	92.288	0.011	92.305	0.011	92.326	-0.005
92.353	-0.005	92.377	-0.001	92.397	0.019	92.423	0.003
92.451	0.011	92.481	-0.013	92.512	-0.018	92.541	-0.010
92.555	0.014	92.577	0.030	92.592	0.014	92.624	-0.007
92.646	-0.003	92.664	0.005	92.692	-0.015	92.716	-0.006
92.744	0.006	92.775	0.010	92.808	0.006	92.833	0.002
92.857	0.014	92.884	0.014	92.914	-0.002	92.944	-0.006
92.960	0.018	92.980	0.033	92.997	0.013	93.028	-0.016
93.049	-0.004	93.076	0.012	93.096	0.008	93.121	-0.009
93.148	-0.017	93.163	0.003	93.190	0.028	93.215	0.012
93.237	-0.004	93.263	-0.004	93.286	0.004	93.313	0.000
93.338	0.009	93.370	0.005	93.395	-0.007	93.413	-0.003
93.442	0.014	93.470	-0.006	93.495	-0.014	93.518	0.010
93.536	0.010	93.560	-0.002	93.582	-0.006	93.608	0.011
93.639	0.019	93.666	-0.001	93.696	0.011	93.725	0.011
93.759	-0.001	93.801	-0.009	93.829	0.015	93.855	0.019
93.881	-0.001	93.909	0.003	93.935	0.008	93.964	0.016
93.998	0.020	94.031	0.012	94.058	0.013	94.105	0.022
94.135	0.014	94.160	0.002	94.189	0.014	94.216	0.030
94.249	0.006	94.282	0.018	94.313	0.013	94.345	0.012
94.374	0.011	94.412	0.010	94.445	0.009	94.469	0.013
94.500	-0.004	94.529	0.007	94.570	0.007	94.615	0.006
94.653	0.006	94.688	0.006	94.720	0.014	94.755	-0.003
94.769	-0.006	94.824	0.018	94.852	0.002	94.880	-0.005
94.905	0.003	94.937	0.011	94.972	0.011	94.998	-0.001
95.027	0.011	95.062	0.015	95.090	0.015	95.115	0.015
95.148	0.023	95.178	-0.005	95.209	-0.001	95.235	0.011
95.270	0.015	95.300	0.007	95.334	0.015	95.360	0.023
95.394	0.015	95.434	0.003	95.470	0.003	95.507	0.012
95.545	0.004	95.569	0.005	95.606	0.013	95.639	0.006
95.667	0.007	95.697	0.015	95.723	0.016	95.755	0.016
95.778	0.033	95.814	0.034	95.837	0.018	95.864	0.014
95.881	0.030	95.906	0.038	95.929	0.026	95.956	0.015
95.986	0.027	96.016	0.020	96.047	0.012	96.065	0.024
96.095	0.028	96.128	0.016	96.157	0.012	96.186	0.024
96.214	0.023	96.258	0.019	96.285	0.019	96.330	0.006
96.356	0.019	96.387	0.027	96.431	0.011	96.482	0.011
96.532	0.011	96.564	0.019	96.609	0.019	96.655	0.028
96.691	0.019	96.735	0.011	96.794	0.011	96.849	0.011
96.919	0.011	96.972	0.007	97.036	0.007	97.078	0.028
97.151	0.007	97.212	0.019	97.265	0.019	97.309	0.015
97.366	-0.005	97.435	0.002	97.497	0.002	97.518	-0.007
97.538	-0.015	97.562	-0.016	97.588	-0.021	97.612	-0.018
97.633	-0.018	97.654	-0.015	97.679	-0.011	97.705	-0.012
97.725	-0.013	97.748	-0.013	97.771	-0.018	97.798	-0.018
97.824	-0.015	97.848	-0.015	97.873	-0.028	97.894	-0.024
97.919	-0.025	97.944	-0.017	97.970	-0.018	97.996	-0.014

98.014	-0.014	98.030	-0.007	98.051	-0.019	98.073	-0.031
98.094	-0.022	98.118	-0.010	98.139	-0.014	98.161	-0.017
98.184	-0.021	98.205	-0.013	98.226	-0.021	98.247	-0.016
98.269	-0.020	98.287	-0.020	98.308	-0.015	98.333	-0.011
98.354	-0.015	98.387	-0.023	98.413	-0.022	98.435	-0.022
98.461	-0.018	98.489	-0.009	98.518	-0.013	98.533	-0.017
98.549	-0.021	98.570	-0.017	98.592	-0.004	98.608	0.004
98.630	-0.012	98.650	-0.020	98.673	-0.016	98.693	-0.013
98.714	-0.013	98.736	-0.017	98.763	-0.030	98.790	-0.018
98.814	-0.006	98.837	-0.010	98.857	-0.022	98.883	-0.019
98.907	-0.015	98.928	-0.007	98.947	-0.016	98.971	-0.016
99.001	-0.021	99.023	-0.017	99.045	-0.022	99.069	-0.026
99.088	-0.034	99.117	-0.027	99.142	-0.015	99.165	-0.012
99.190	-0.028	99.216	-0.025	99.243	-0.021	99.270	-0.013
99.299	-0.018	99.328	-0.014	99.352	-0.015	99.382	-0.019
99.404	-0.024	99.428	-0.016	99.452	-0.024	99.479	-0.024
99.505	-0.016	99.526	-0.012	99.554	-0.012	99.592	-0.024
99.617	-0.020	99.644	-0.012	99.673	-0.017	99.698	-0.025
99.722	-0.014	99.743	-0.002	99.760	-0.014	99.786	-0.019
99.815	-0.019	99.843	-0.020	99.874	-0.022	99.902	-0.019
99.933	-0.020	99.963	-0.025	99.990	-0.027	100.012	-0.032
100.042	-0.029	100.071	-0.026	100.095	-0.034	100.128	-0.031
100.155	-0.031	100.174	-0.036	100.189	-0.040	100.207	-0.033
100.229	-0.025	100.255	-0.026	100.283	-0.034	100.310	-0.030
100.332	-0.026	100.363	-0.026	100.387	-0.023	100.410	-0.031
100.439	-0.023	100.462	-0.031	100.488	-0.027	100.516	-0.027
100.545	-0.027	100.581	-0.019	100.614	-0.019	100.653	-0.019
100.686	-0.019	100.714	-0.027	100.741	-0.019	100.765	-0.019
100.793	-0.023	100.816	-0.027	100.842	-0.020	100.861	-0.012
100.890	-0.016	100.910	-0.032	100.929	-0.032	100.957	-0.016
100.982	-0.021	101.009	-0.025	101.036	-0.021	101.058	-0.013
101.087	-0.022	101.113	-0.022	101.137	-0.026	101.158	-0.026
101.173	-0.018	101.196	-0.023	101.219	-0.027	101.246	-0.023
101.268	-0.023	101.294	-0.024	101.320	-0.024	101.353	-0.024
101.377	-0.024	101.404	-0.025	101.433	-0.025	101.457	-0.025
101.481	-0.021	101.509	-0.021	101.536	-0.026	101.565	-0.022
101.592	-0.018	101.625	-0.026	101.649	-0.027	101.671	-0.027
101.691	-0.019						

IG110
71.032 2/9/71 0600 PST PASADENA, J.P.L., BSMT. S82E

5285 POINTS 97.570 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1556 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.028	0.011	-0.024	0.021	-0.071	0.042	-0.008
0.059	-0.051	0.076	-0.043	0.086	-0.059	0.107	-0.131
0.119	-0.071	0.134	0.056	0.144	0.048	0.164	0.009
0.186	0.037	0.195	0.017	0.217	-0.031	0.224	-0.019
0.242	0.033	0.258	0.029	0.275	0.069	0.282	0.065
0.302	0.021	0.314	-0.018	0.335	0.037	0.356	-0.046
0.384	-0.026	0.408	-0.030	0.416	-0.002	0.432	0.050
0.447	0.014	0.461	0.046	0.471	0.030	0.484	-0.030
0.498	-0.145	0.513	-0.180	0.522	-0.145	0.542	-0.013
0.553	0.015	0.581	0.027	0.596	0.118	0.601	0.126
0.609	0.110	0.627	-0.017	0.634	-0.056	0.651	0.007
0.663	0.039	0.675	0.039	0.690	0.111	0.706	0.035
0.713	0.043	0.735	0.103	0.740	0.087	0.753	0.016
0.758	0.032	0.775	0.099	0.782	0.107	0.814	-0.031
0.823	-0.055	0.835	-0.039	0.850	-0.067	0.872	0.021
0.883	0.041	0.900	0.025	0.918	0.128	0.924	0.132
0.938	0.017	0.946	-0.027	0.959	0.013	0.975	-0.043
0.998	0.005	1.041	-0.102	1.048	-0.098	1.075	-0.023
1.088	0.061	1.109	0.093	1.131	0.148	1.137	0.136
1.154	0.041	1.164	0.025	1.183	0.037	1.192	0.045
1.212	-0.030	1.230	-0.074	1.249	-0.098	1.264	-0.161
1.275	-0.106	1.290	0.002	1.298	0.010	1.312	-0.030
1.317	0.002	1.329	0.069	1.339	0.097	1.344	0.069
1.360	-0.018	1.366	-0.034	1.372	-0.014	1.384	0.061
1.392	0.081	1.398	0.050	1.414	-0.113	1.422	-0.189
1.427	-0.185	1.445	-0.125	1.466	-0.117	1.504	-0.046
1.520	-0.022	1.547	0.221	1.555	0.220	1.578	0.121
1.592	0.042	1.611	-0.117	1.618	-0.157	1.624	-0.145
1.646	-0.058	1.664	-0.133	1.671	-0.125	1.686	-0.070
1.703	0.029	1.708	0.025	1.727	-0.122	1.733	-0.082
1.754	0.133	1.760	0.129	1.777	0.005	1.796	-0.018
1.813	-0.122	1.825	-0.162	1.839	-0.130	1.854	-0.026
1.872	0.001	1.896	0.120	1.908	0.148	1.928	0.136
1.951	0.371	1.959	0.399	1.975	0.375	1.991	0.323
2.002	0.299	2.017	0.295	2.028	0.235	2.041	0.144
2.061	0.120	2.071	-0.016	2.082	-0.258	2.091	-0.469
2.100	-0.556	2.110	-0.608	2.122	-0.628	2.136	-0.597
2.150	-0.442	2.168	-0.104	2.185	0.345	2.195	0.428
2.205	0.364	2.224	0.142	2.233	0.106	2.255	0.094
2.265	0.046	2.273	-0.054	2.289	-0.431	2.298	-0.598
2.306	-0.670	2.316	-0.622	2.341	-0.424	2.354	-0.309
2.370	0.124	2.383	0.346	2.403	0.537	2.424	0.803
2.435	0.870	2.444	0.751	2.458	0.357	2.472	0.004
2.479	-0.060	2.487	0.004	2.499	0.178	2.506	0.194
2.528	-0.355	2.538	-0.414	2.557	-0.534	2.563	-0.511
2.580	-0.380	2.598	-0.516	2.621	-0.298	2.637	-0.417
2.646	-0.358	2.669	-0.132	2.676	-0.160	2.694	-0.312
2.699	-0.312	2.707	-0.248	2.726	0.045	2.738	0.128
2.746	0.136	2.757	0.132	2.763	0.180	2.783	0.466
2.789	0.493	2.795	0.461	2.807	0.362	2.813	0.342
2.819	0.394	2.840	0.695	2.849	0.763	2.857	0.699
2.877	0.325	2.883	0.293	2.897	0.253	2.909	0.194
2.933	-0.228	2.947	-0.375	2.962	-0.653	2.971	-0.749
3.006	-0.245	3.017	-0.173	3.032	-0.050	3.049	0.442
3.057	0.553	3.076	0.136	3.084	0.064	3.092	0.120
3.102	0.219	3.105	0.227	3.111	0.175	3.140	-0.191
3.150	-0.298	3.159	-0.445	3.171	-0.604	3.179	-0.533
3.193	-0.044	3.200	0.067	3.207	0.103	3.229	0.079
3.243	-0.025	3.248	-0.037	3.254	0.015	3.275	0.551
3.283	0.619	3.292	0.543	3.313	0.094	3.321	-0.045
3.327	-0.129	3.346	-0.220	3.361	-0.379	3.367	-0.459
3.374	-0.463	3.396	-0.408	3.403	-0.420	3.420	-0.507
3.431	-0.535	3.441	-0.519	3.451	-0.476	3.463	-0.170
3.478	0.283	3.499	0.605	3.514	0.899	3.527	1.054
3.532	1.069	3.540	0.998	3.561	0.731	3.576	0.588
3.591	0.370	3.602	0.262	3.616	-0.044	3.628	-0.326
3.644	-0.529	3.648	-0.549	3.662	-0.529	3.680	-0.692
3.686	-0.728	3.694	-0.677	3.714	-0.458	3.722	-0.311
3.735	-0.001	3.753	0.217	3.763	0.292	3.773	0.217
3.791	-0.260	3.802	-0.491	3.813	-0.610	3.825	-0.535
3.849	-0.193	3.859	-0.134	3.870	-0.154	3.884	-0.138
3.902	-0.325	3.909	-0.365	3.919	-0.325	3.936	-0.119
3.945	-0.091	3.953	-0.143	3.986	-0.528	3.995	-0.612
4.013	-0.708	4.028	-0.835	4.040	-0.759	4.057	-0.553
4.073	-0.418	4.091	-0.084	4.110	-0.032	4.134	0.456
4.145	0.524	4.160	0.384	4.167	0.396	4.190	0.635
4.214	0.317	4.241	0.722	4.251	0.666	4.264	0.324
4.284	-0.145	4.289	-0.161	4.306	-0.121	4.313	-0.161
4.346	-0.578	4.358	-0.654	4.371	-0.717	4.385	-0.884
4.392	-0.888	4.398	-0.860	4.418	-0.550	4.434	-0.431

4.449	-0.153	4.462	0.292	4.474	0.610	4.485	0.749
4.494	0.837	4.521	0.940	4.535	0.912	4.549	1.015
4.567	1.373	4.580	1.564	4.591	1.635	4.602	1.564
4.623	1.143	4.635	0.725	4.645	0.388	4.652	0.284
4.665	0.312	4.674	0.229	4.693	-0.284	4.712	-0.717
4.727	-1.039	4.736	-1.146	4.751	-1.270	4.771	-1.536
4.781	-1.627	4.786	-1.639	4.794	-1.568	4.815	-0.844
4.827	-0.479	4.838	-0.232	4.854	0.320	4.866	0.654
4.873	0.761	4.884	0.626	4.894	0.324	4.903	0.209
4.911	0.336	4.923	0.964	4.932	1.301	4.939	1.548
4.945	1.619	4.958	1.325	4.979	0.725	4.990	0.502
5.002	0.336	5.018	0.177	5.031	0.061	5.046	-0.245
5.058	-0.634	5.067	-1.103	5.078	-1.536	5.085	-1.862
5.091	-2.033	5.100	-2.148	5.111	-2.101	5.129	-1.751
5.142	-1.521	5.153	-1.290	5.165	-0.857	5.177	-0.269
5.186	0.065	5.192	0.264	5.198	0.339	5.210	0.458
5.227	0.768	5.243	1.130	5.250	1.213	5.262	1.348
5.274	1.531	5.281	1.555	5.286	1.495	5.307	0.991
5.317	0.780	5.331	0.343	5.338	0.160	5.344	0.112
5.364	0.084	5.371	0.112	5.383	0.215	5.388	0.235
5.399	0.160	5.413	-0.071	5.423	-0.242	5.432	-0.329
5.440	-0.365	5.449	-0.321	5.467	-0.170	5.476	-0.130
5.484	-0.166	5.493	-0.234	5.499	-0.238	5.516	-0.051
5.522	-0.019	5.528	-0.067	5.545	-0.242	5.560	-0.461
5.568	-0.536	5.575	-0.520	5.594	-0.385	5.603	-0.314
5.611	-0.051	5.621	0.418	5.629	0.696	5.636	0.783
5.642	0.823	5.681	0.624	5.691	0.604	5.701	0.688
5.715	0.942	5.723	1.113	5.735	1.141	5.745	1.105
5.753	0.990	5.770	0.469	5.787	0.032	5.796	-0.234
5.805	-0.377	5.814	-0.497	5.820	-0.648	5.831	-0.966
5.837	-1.097	5.846	-1.037	5.859	-0.771	5.866	-0.731
5.872	-0.791	5.885	-0.989	5.892	-1.021	5.900	-0.962
5.918	-0.425	5.933	0.024	5.943	0.274	5.950	0.354
5.956	0.393	5.973	0.393	5.989	0.509	5.996	0.529
6.005	0.473	6.021	0.254	6.028	0.195	6.051	0.151
6.058	0.084	6.070	-0.266	6.078	-0.552	6.085	-0.731
6.092	-0.823	6.098	-0.830	6.105	-0.771	6.123	-0.369
6.129	-0.306	6.141	-0.270	6.150	-0.211	6.166	0.211
6.173	0.318	6.180	0.354	6.185	0.314	6.197	0.195
6.204	0.171	6.210	0.223	6.228	0.620	6.242	0.894
6.254	1.021	6.263	1.093	6.267	1.093	6.276	0.970
6.292	0.366	6.304	-0.099	6.310	-0.342	6.316	-0.465
6.322	-0.525	6.329	-0.449	6.346	-0.012	6.355	0.071
6.361	0.095	6.377	0.004	6.384	0.024	6.408	0.389
6.418	0.516	6.427	0.552	6.435	0.492	6.453	0.174
6.461	0.139	6.467	0.174	6.485	0.389	6.495	0.457
6.503	0.389	6.522	-0.060	6.531	-0.179	6.548	-0.410
6.557	-0.521	6.565	-0.557	6.573	-0.497	6.601	0.134
6.610	0.285	6.619	0.385	6.642	0.432	6.653	0.480
6.662	0.540	6.670	0.567	6.677	0.512	6.691	0.245
6.699	0.182	6.714	0.261	6.726	0.289	6.733	0.237
6.752	0.007	6.761	-0.061	6.777	-0.089	6.785	-0.148
6.810	-0.530	6.818	-0.609	6.836	-0.653	6.852	-0.693
6.861	-0.689	6.884	-0.649	6.892	-0.633	6.905	-0.677
6.914	-0.637	6.923	-0.550	6.942	-0.037	6.948	0.050
6.965	0.181	6.978	0.332	7.000	0.801	7.008	0.873

7.019	0.908	7.031	0.892	7.046	0.845	7.064	0.845
7.072	0.769	7.086	0.324	7.094	0.086	7.101	-0.073
7.110	-0.181	7.119	-0.129	7.132	-0.026	7.139	0.010
7.145	-0.022	7.157	-0.085	7.164	-0.093	7.173	-0.042
7.194	0.316	7.201	0.392	7.209	0.415	7.217	0.360
7.237	0.062	7.243	0.014	7.258	0.006	7.267	-0.057
7.281	-0.232	7.290	-0.288	7.300	-0.280	7.321	-0.252
7.328	-0.244	7.333	-0.264	7.345	-0.323	7.357	-0.292
7.380	0.126	7.392	0.241	7.399	0.265	7.411	0.281
7.425	0.372	7.435	0.412	7.444	0.416	7.453	0.368
7.475	0.058	7.482	-0.013	7.488	-0.013	7.496	0.015
7.509	0.162	7.514	0.178	7.523	0.106	7.548	-0.577
7.555	-0.665	7.580	-0.744	7.592	-0.851	7.603	-0.947
7.609	-0.967	7.619	-0.919	7.636	-0.649	7.643	-0.597
7.658	-0.609	7.677	-0.581	7.698	-0.605	7.710	-0.565
7.720	-0.418	7.738	-0.052	7.744	0.039	7.753	0.059
7.770	0.115	7.780	0.071	7.800	-0.167	7.809	-0.223
7.832	-0.199	7.856	-0.195	7.870	-0.151	7.904	0.231
7.921	0.422	7.930	0.449	7.945	0.434	7.957	0.438
7.972	0.410	7.984	0.414	8.010	0.338	8.022	0.267
8.047	-0.118	8.060	-0.230	8.072	-0.265	8.084	-0.233
8.099	-0.126	8.107	-0.158	8.129	-0.404	8.146	-0.460
8.152	-0.424	8.172	-0.245	8.180	-0.209	8.201	-0.261
8.208	-0.213	8.229	0.208	8.240	0.308	8.250	0.260
8.267	0.101	8.289	-0.030	8.302	-0.058	8.314	-0.010
8.330	0.137	8.336	0.157	8.344	0.129	8.365	0.062
8.371	0.054	8.402	0.082	8.416	0.094	8.442	0.070
8.459	0.054	8.475	-0.124	8.493	-0.212	8.522	-0.275
8.532	-0.311	8.543	-0.355	8.552	-0.430	8.558	-0.442
6.578	-0.255	8.587	-0.207	8.602	-0.287	8.620	-0.315
8.657	-0.315	8.679	-0.163	8.696	-0.112	8.705	-0.048
8.719	0.190	8.730	0.238	8.740	0.206	8.756	0.091
8.762	0.103	8.776	0.175	8.788	0.194	8.796	0.179
8.819	-0.024	8.833	-0.052	8.850	0.095	8.859	0.111
8.866	0.056	8.879	-0.072	8.887	-0.111	8.895	-0.083
8.913	0.012	8.936	0.024	8.945	0.064	8.968	0.191
8.980	0.278	8.999	0.310	9.007	0.318	9.014	0.286
9.033	0.175	9.041	0.163	9.060	0.239	9.070	0.255
9.078	0.207	9.099	-0.083	9.109	-0.147	9.122	-0.174
9.132	-0.131	9.147	0.008	9.153	0.036	9.161	0.001
9.174	-0.103	9.193	0.032	9.200	0.032	9.207	0.005
9.221	-0.182	9.230	-0.230	9.250	-0.138	9.269	-0.170
9.277	-0.142	9.288	-0.055	9.294	-0.031	9.302	-0.079
9.324	-0.357	9.333	-0.408	9.351	-0.345	9.357	-0.345
9.375	-0.504	9.383	-0.543	9.390	-0.512	9.403	-0.384
9.409	-0.337	9.415	-0.357	9.431	-0.424	9.438	-0.400
9.454	-0.217	9.466	-0.058	9.481	0.057	9.498	0.212
9.504	0.248	9.517	0.236	9.533	0.328	9.541	0.352
9.547	0.320	9.565	0.129	9.574	0.082	9.591	0.133
9.598	0.141	9.613	0.058	9.624	0.050	9.648	0.289
9.658	0.353	9.668	0.396	9.687	0.381	9.695	0.401
9.711	0.472	9.721	0.492	9.726	0.480	9.745	0.385
9.754	0.369	9.767	0.385	9.777	0.346	9.802	0.083
9.810	0.020	9.830	0.072	9.838	0.052	9.854	-0.031
9.861	-0.011	9.883	0.056	9.893	0.076	9.926	0.081
9.936	0.101	9.951	0.176	9.969	0.220	9.982	0.244

9.989	0.224	10.004	0.169	10.014	0.141	10.023	0.102
10.038	0.006	10.047	-0.033	10.064	-0.045	10.071	-0.065
10.083	-0.104	10.089	-0.112	10.097	-0.084	10.110	0.015
10.119	0.051	10.129	0.059	10.137	0.039	10.153	-0.005
10.170	0.007	10.178	-0.017	10.192	-0.076	10.209	-0.132
10.224	-0.271	10.235	-0.331	10.241	-0.303	10.254	-0.255
10.261	-0.251	10.283	-0.311	10.293	-0.327	10.304	-0.291
10.338	-0.121	10.346	-0.085	10.362	-0.093	10.377	-0.125
10.389	-0.201	10.397	-0.264	10.416	-0.292	10.432	-0.348
10.439	-0.344	10.449	-0.309	10.463	-0.106	10.470	-0.059
10.478	-0.031	10.491	-0.071	10.499	-0.071	10.513	-0.023
10.533	0.167	10.540	0.211	10.552	0.227	10.564	0.211
10.573	0.179	10.587	0.092	10.597	0.076	10.615	0.084
10.630	0.068	10.640	0.076	10.661	0.132	10.675	0.204
10.685	0.247	10.691	0.271	10.697	0.259	10.705	0.224
10.715	0.156	10.723	0.145	10.734	0.172	10.750	0.244
*10.760	0.193	10.783	-0.046	10.793	-0.093	10.825	-0.101
10.833	-0.074	10.855	0.046	10.879	0.149	10.886	0.161
10.905	0.041	10.915	0.053	10.931	0.061	10.949	0.081
10.974	0.117	10.981	0.089	10.996	-0.018	11.001	-0.010
11.017	0.041	11.024	0.049	11.045	-0.062	11.051	-0.058
11.068	-0.039	11.083	-0.066	11.102	-0.063	11.111	-0.094
11.123	-0.130	11.132	-0.110	11.155	0.180	11.165	0.219
11.172	0.215	11.186	0.188	11.193	0.211	11.206	0.259
11.215	0.267	11.227	0.211	11.253	-0.071	11.263	-0.155
11.288	-0.167	11.306	-0.198	11.320	-0.183	11.346	-0.119
11.352	-0.131	11.367	-0.155	11.387	-0.127	11.400	-0.072
11.424	0.115	11.434	0.159	11.443	0.135	11.464	0.004
11.483	-0.016	11.506	-0.163	11.520	-0.227	11.530	-0.183
11.548	0.003	11.560	0.059	11.579	-0.052	11.590	-0.001
11.610	0.190	11.621	0.210	11.634	0.182	11.654	0.289
11.667	0.317	11.678	0.257	11.699	0.098	11.720	0.035
11.740	-0.148	11.746	-0.184	11.769	-0.188	11.786	-0.208
11.803	-0.196	11.819	-0.141	11.839	0.018	11.851	0.086
11.862	0.086	11.877	0.066	11.887	0.089	11.900	0.133
11.909	0.145	11.917	0.109	11.952	-0.070	11.962	-0.102
11.975	-0.074	11.990	-0.042	12.004	-0.026	12.013	0.029
12.026	0.097	12.036	0.117	12.047	0.093	12.062	0.049
12.073	0.057	12.088	0.061	12.099	0.013	12.117	-0.078
12.126	-0.094	12.133	-0.074	12.162	0.064	12.180	0.088
12.183	0.045	12.196	-0.075	12.202	-0.111	12.212	-0.071
12.229	0.044	12.252	0.076	12.261	0.116	12.281	0.330
12.293	0.362	12.303	0.330	12.325	0.159	12.331	0.115
12.356	0.151	12.388	0.048	12.394	0.059	12.426	0.147
12.438	0.155	12.456	0.143	12.467	0.150	12.489	0.238
12.504	0.273	12.523	0.325	12.542	0.301	12.561	0.289
12.575	0.237	12.597	-0.017	12.605	-0.081	12.630	-0.025
12.668	-0.025	12.689	0.018	12.697	-0.006	12.717	-0.089
12.748	-0.133	12.765	-0.193	12.772	-0.205	12.795	-0.129
12.801	-0.122	12.820	-0.201	12.835	-0.229	12.849	-0.201
12.870	-0.122	12.879	-0.110	12.895	-0.186	12.903	-0.182
12.924	-0.090	12.948	-0.142	12.975	-0.011	12.981	-0.019
13.001	-0.139	13.012	-0.155	13.031	-0.139	13.052	-0.095
13.069	-0.107	13.096	-0.032	13.123	-0.184	13.130	-0.208
13.139	-0.188	13.171	-0.050	13.182	-0.031	13.212	-0.047
13.232	-0.132	13.242	-0.144	13.253	-0.112	13.274	0.034

13.303	0.088	13.312	0.080	13.334	0.004	13.342	0.016
13.359	0.083	13.390	0.126	13.396	0.117	13.416	0.037
13.424	0.045	13.443	0.064	13.460	0.036	13.486	0.008
13.513	-0.061	13.525	-0.085	13.544	-0.145	13.554	-0.141
13.579	-0.126	13.590	-0.142	13.616	-0.198	13.631	-0.222
13.648	-0.286	13.661	-0.318	13.671	-0.310	13.680	-0.282
13.706	-0.068	13.719	-0.025	13.737	0.027	13.760	0.118
13.767	0.126	13.775	0.113	13.798	0.038	13.817	-0.026
13.831	-0.046	13.847	-0.031	13.878	0.032	13.905	0.072
13.927	0.135	13.949	0.131	13.975	0.174	13.989	0.174
14.002	0.134	14.024	-0.049	14.037	-0.108	14.053	-0.120
14.068	-0.128	14.091	-0.137	14.111	-0.101	14.129	-0.042
14.144	-0.046	14.164	-0.089	14.175	-0.082	14.202	-0.010
14.229	0.065	14.252	0.148	14.272	0.156	14.286	0.192
14.304	0.248	14.312	0.244	14.333	0.120	14.359	0.148
14.392	0.096	14.414	0.144	14.423	0.148	14.450	0.017
14.481	-0.007	14.493	0.013	14.516	0.060	14.526	0.068
14.550	0.021	14.566	0.013	14.588	-0.003	14.599	0.032
14.619	0.100	14.630	0.120	14.648	0.068	14.663	0.060
14.680	-0.007	14.687	-0.019	14.709	0.036	14.720	0.048
14.729	0.024	14.753	-0.035	14.765	-0.043	14.776	0.000
14.796	0.100	14.806	0.115	14.826	0.123	14.848	0.107
14.876	0.115	14.886	0.099	14.902	0.052	14.921	0.048
14.937	0.056	14.955	0.076	14.963	0.060	14.982	-0.012
15.005	-0.064	15.028	0.012	15.038	0.016	15.066	-0.099
15.080	-0.115	15.094	-0.083	15.118	-0.020	15.142	-0.048
15.169	0.068	15.196	0.123	15.219	0.167	15.242	0.147
15.263	0.167	15.271	0.139	15.307	0.016	15.334	-0.095
15.347	-0.123	15.361	-0.111	15.391	-0.052	15.411	-0.032
15.424	-0.048	15.446	-0.099	15.454	-0.095	15.474	-0.060
15.484	-0.048	15.500	-0.064	15.516	-0.087	15.535	-0.135
15.554	-0.111	15.578	-0.071	15.602	-0.020	15.616	0.012
15.625	0.000	15.637	-0.032	15.659	-0.131	15.670	-0.171
15.676	-0.167	15.697	-0.107	15.714	-0.071	15.734	-0.052
15.764	-0.032	15.772	-0.004	15.789	0.076	15.799	0.115
15.820	0.147	15.831	0.135	15.852	0.064	15.867	0.036
15.885	0.036	15.895	0.052	15.918	0.119	15.932	0.139
15.939	0.123	15.958	0.099	15.986	0.179	15.995	0.175
16.030	0.068	16.044	0.032	16.072	0.080	16.098	0.087
16.123	0.139	16.137	0.115	16.163	-0.008	16.186	-0.127
16.201	-0.131	16.236	-0.115	16.259	-0.127	16.281	-0.159
16.303	-0.139	16.319	-0.108	16.335	-0.088	16.347	-0.128
16.363	-0.215	16.375	-0.239	16.387	-0.203	16.410	-0.076
16.423	-0.032	16.443	-0.013	16.455	0.035	16.471	0.127
16.480	0.146	16.487	0.126	16.511	0.059	16.546	-0.021
16.564	-0.013	16.585	0.007	16.604	-0.005	16.616	0.031
16.641	0.146	16.649	0.154	16.674	0.098	16.695	0.051
16.725	-0.061	16.751	-0.057	16.766	-0.069	16.795	0.003
16.822	-0.005	16.835	0.018	16.861	0.054	16.872	0.034
16.893	-0.042	16.901	-0.050	16.926	0.001	16.940	0.001
16.963	-0.043	16.985	-0.111	17.001	-0.127	17.053	-0.128
17.071	-0.096	17.090	-0.037	17.107	0.039	17.122	0.070
17.163	0.097	17.178	0.125	17.194	0.148	17.212	0.132
17.231	0.179	17.243	0.191	17.251	0.159	17.280	0.079
17.313	0.046	17.351	0.038	17.362	0.018	17.380	-0.023
17.400	0.005	17.432	0.060	17.443	0.072	17.471	0.055

17.482	0.007	17.500	-0.096	17.510	-0.120	17.522	-0.101
17.543	-0.045	17.561	-0.034	17.584	0.045	17.593	0.049
17.616	0.001	17.625	0.009	17.642	0.052	17.649	0.056
17.671	0.012	17.698	0.052	17.722	0.008	17.751	0.027
17.775	0.027	17.799	0.075	17.812	0.051	17.836	-0.017
17.858	0.011	17.884	0.023	17.909	0.110	17.922	0.134
17.933	0.122	17.956	0.026	17.971	0.006	18.004	0.022
18.016	0.030	18.045	-0.053	18.052	-0.053	18.077	0.042
18.088	0.062	18.141	-0.025	18.157	-0.076	18.172	-0.132
18.180	-0.132	18.199	-0.060	18.216	-0.044	18.240	-0.052
18.257	-0.020	18.279	0.008	18.295	-0.003	18.330	-0.027
18.358	-0.058	18.382	-0.086	18.400	-0.054	18.424	0.014
18.443	0.006	18.470	0.030	18.492	-0.021	18.517	0.030
18.547	0.042	18.572	0.122	18.584	0.142	18.602	0.126
18.627	0.174	18.640	0.150	18.672	0.051	18.685	0.031
18.705	0.075	18.717	0.079	18.738	0.019	18.755	0.007
18.770	0.023	18.830	0.130	18.843	0.130	18.867	0.027
18.887	-0.040	18.929	-0.001	18.944	0.043	18.962	0.099
18.983	0.115	19.007	0.147	19.016	0.123	19.039	0.032
19.053	0.012	19.072	0.008	19.086	-0.048	19.102	-0.119
19.130	-0.123	19.149	-0.151	19.170	-0.131	19.196	-0.107
19.219	-0.064	19.253	-0.052	19.274	-0.052	19.294	-0.036
19.306	-0.052	19.326	-0.091	19.348	-0.075	19.368	-0.060
19.385	-0.056	19.396	-0.040	19.412	-0.008	19.440	-0.008
19.460	-0.060	19.472	-0.067	19.484	-0.036	19.508	0.052
19.522	0.087	19.528	0.076	19.553	-0.016	19.567	-0.040
19.583	-0.044	19.611	-0.024	19.635	-0.032	19.657	-0.052
19.682	-0.087	19.715	-0.052	19.738	-0.052	19.763	-0.024
19.795	-0.048	19.823	-0.032	19.862	-0.056	19.896	-0.016
19.922	-0.012	19.956	0.032	19.989	0.056	20.017	0.072
20.039	0.056	20.069	0.087	20.095	0.068	20.118	0.064
20.144	0.032	20.191	0.072	20.205	0.091	20.229	0.048
20.272	0.076	20.292	0.056	20.318	0.004	20.344	-0.040
20.361	-0.052	20.389	-0.040	20.412	-0.008	20.432	-0.012
20.454	0.052	20.463	0.060	20.487	-0.048	20.517	-0.044
20.537	-0.091	20.560	-0.056	20.585	0.024	20.608	0.048
20.625	0.032	20.647	-0.024	20.661	-0.020	20.694	0.012
20.703	0.012	20.721	0.000	20.741	0.000	20.762	-0.051
20.773	-0.047	20.799	0.012	20.823	0.040	20.852	0.008
20.888	0.068	20.910	0.060	20.940	0.104	20.957	0.088
20.983	0.029	21.006	0.033	21.031	-0.027	21.057	0.001
21.084	0.053	21.102	0.049	21.141	0.009	21.170	0.009
21.190	-0.019	21.224	0.025	21.269	0.136	21.291	0.176
21.308	0.184	21.339	0.089	21.369	0.085	21.381	0.041
21.405	-0.038	21.424	-0.066	21.453	-0.058	21.479	-0.042
21.505	-0.010	21.521	0.018	21.541	0.081	21.556	0.101
21.567	0.121	21.577	0.105	21.602	0.042	21.621	0.002
21.648	-0.054	21.657	-0.014	21.674	0.026	21.698	0.006
* 21.713	0.038	21.737	0.022	21.757	-0.002	21.777	-0.042
21.796	-0.082	21.813	-0.070	21.836	-0.062	21.859	-0.090
21.870	-0.098	21.881	-0.074	21.903	-0.038	21.926	-0.094
21.937	-0.082	21.950	-0.038	21.962	0.001	21.969	0.005
21.995	-0.042	22.022	-0.058	22.047	-0.106	22.058	-0.126
22.083	-0.074	22.107	-0.035	22.137	-0.011	22.158	0.005
22.172	0.009	22.191	-0.003	22.203	0.005	22.226	0.036
22.237	0.028	22.253	0.000	22.273	-0.075	22.287	-0.115

22.294	-0.111	22.319	-0.064	22.340	-0.008	22.363	0.071
22.382	0.103	22.392	0.091	22.416	0.119	22.432	0.099
22.457	0.051	22.480	0.035	22.507	-0.025	22.520	-0.036
22.547	-0.013	22.579	-0.009	22.600	-0.029	22.620	-0.001
22.638	0.019	22.655	0.007	22.677	0.022	22.701	0.010
22.721	0.018	22.740	0.042	22.751	0.050	22.774	0.006
22.793	0.030	22.829	0.049	22.854	0.081	22.876	0.073
22.893	0.065	22.909	0.049	22.927	0.049	22.948	0.013
22.973	0.044	22.986	0.040	23.006	0.016	23.036	0.052
23.062	0.016	23.074	0.024	23.093	0.040	23.115	0.020
23.127	0.036	23.145	0.059	23.163	0.039	23.182	0.051
23.194	0.031	23.224	-0.057	23.241	-0.073	23.268	-0.069
23.282	-0.073	23.305	-0.057	23.333	-0.073	23.348	-0.050
23.366	0.006	23.381	0.022	23.398	0.018	23.413	-0.002
23.425	-0.014	23.442	-0.003	23.465	0.029	23.482	0.017
23.509	0.009	23.530	-0.003	23.543	0.016	23.560	0.044
23.573	0.044	23.601	0.036	23.635	0.028	23.649	0.016
23.672	-0.012	23.686	-0.005	23.706	0.011	23.723	-0.005
23.735	0.011	23.757	0.054	23.782	0.086	23.800	0.106
23.814	0.082	23.837	0.054	23.858	0.050	23.882	0.057
23.897	0.033	23.918	-0.018	23.941	-0.054	23.956	-0.062
23.984	-0.035	24.009	-0.055	24.025	-0.039	24.050	0.008
24.084	0.012	24.112	0.036	24.121	0.016	24.142	-0.032
24.156	-0.036	24.179	-0.017	24.203	-0.005	24.225	0.026
24.251	0.018	24.267	0.026	24.287	0.026	24.319	0.061
24.340	0.041	24.365	0.017	24.379	-0.007	24.390	0.017
24.409	0.028	24.417	0.008	24.436	-0.016	24.448	0.000
24.466	0.008	24.487	0.008	24.506	0.019	24.526	0.031
24.542	0.015	24.566	-0.029	24.584	-0.069	24.596	-0.085
24.612	-0.073	24.634	-0.050	24.679	-0.066	24.709	-0.051
24.735	-0.063	24.773	-0.072	24.792	-0.056	24.822	-0.025
24.843	0.007	24.863	0.046	24.897	0.054	24.932	0.061
24.954	0.045	24.979	0.021	25.003	-0.011	25.025	-0.036
25.052	0.004	25.068	0.023	25.088	0.051	25.107	0.098
25.120	0.118	25.134	0.102	25.160	0.038	25.173	0.026
25.201	0.034	25.232	0.033	25.253	0.017	25.283	0.025
25.302	0.017	25.330	-0.016	25.368	-0.008	25.391	-0.040
25.404	-0.048	25.417	-0.032	25.435	0.003	25.450	-0.009
25.480	-0.033	25.510	-0.069	25.530	-0.057	25.551	-0.050
25.570	-0.010	25.588	0.010	25.619	0.021	25.639	0.001
25.661	0.013	25.691	0.005	25.743	0.008	25.763	0.020
25.783	0.028	25.799	0.020	25.822	-0.004	25.852	-0.024
25.878	-0.040	25.887	-0.029	25.909	-0.001	25.930	-0.021
25.944	-0.001	25.961	0.026	25.979	0.034	26.005	0.022
26.025	-0.006	26.048	-0.038	26.071	-0.054	26.094	-0.058
26.114	-0.014	26.138	0.037	26.160	0.069	26.174	0.069
26.197	0.029	26.218	0.005	26.243	-0.015	26.258	-0.027
26.284	-0.003	26.316	-0.007	26.347	0.029	26.378	0.024
26.400	0.004	26.424	-0.039	26.447	-0.051	26.480	-0.047
26.499	-0.016	26.531	0.020	26.549	0.024	26.574	0.000
26.605	-0.007	26.630	-0.047	26.656	-0.035	26.674	-0.047
26.698	-0.067	26.715	-0.051	26.737	-0.031	26.773	-0.011
26.793	-0.007	26.814	-0.014	26.846	0.025	26.867	0.030
26.890	0.057	26.903	0.062	26.927	0.050	26.953	0.054
26.974	0.046	26.998	0.026	27.022	0.007	27.044	-0.017
27.069	-0.001	27.097	-0.020	27.118	-0.000	27.141	-0.000

27.164	0.028	27.182	0.052	27.197	0.060	27.223	0.052
27.248	0.060	27.278	0.057	27.287	0.049	27.313	-0.011
27.334	-0.018	27.356	-0.006	27.377	0.006	27.391	0.010
27.412	0.002	27.431	-0.022	27.445	-0.038	27.465	-0.026
27.487	-0.026	27.511	-0.018	27.529	-0.018	27.558	0.030
27.574	0.022	27.606	0.006	27.635	0.002	27.664	-0.002
27.638	-0.005	27.712	0.007	27.739	-0.021	27.754	-0.045
27.732	-0.013	27.802	-0.045	27.820	-0.057	27.847	-0.013
27.865	0.003	27.891	-0.013	27.909	-0.005	27.930	-0.009
27.954	0.019	27.967	0.027	27.991	0.027	28.008	0.039
28.023	0.047	28.042	0.039	28.060	0.023	28.082	0.027
28.103	0.031	28.116	0.023	28.135	-0.001	28.154	-0.013
28.171	-0.021	28.186	-0.009	28.196	0.011	28.212	0.030
28.239	0.010	28.260	0.018	28.285	0.010	28.315	-0.006
28.338	-0.018	28.399	-0.018	28.424	-0.038	28.445	-0.002
28.471	0.034	28.495	0.038	28.516	0.066	28.532	0.034
28.548	0.010	28.566	-0.002	28.592	-0.045	28.626	-0.053
28.638	-0.053	28.684	-0.041	28.710	-0.041	28.728	-0.045
28.751	-0.025	28.776	-0.017	28.796	0.007	28.818	-0.013
28.833	-0.025	28.849	0.007	28.876	0.015	28.895	0.031
28.912	0.043	28.925	0.039	28.943	0.035	28.960	0.039
28.987	0.048	28.995	0.048	29.013	0.024	29.038	0.012
29.054	-0.004	29.070	-0.012	29.082	-0.012	29.089	-0.020
29.111	0.024	29.136	0.052	29.156	0.076	29.177	0.088
29.204	0.077	29.225	0.061	29.242	0.045	29.260	0.002
29.289	0.002	29.305	-0.018	29.320	-0.038	29.334	-0.054
29.349	-0.041	29.369	-0.010	29.389	0.014	29.406	0.027
29.431	0.035	29.446	0.043	29.467	0.047	29.483	0.047
29.494	0.015	29.523	-0.000	29.533	-0.012	29.554	0.004
29.565	-0.008	29.580	-0.028	29.594	-0.016	29.615	0.008
29.633	-0.007	29.659	0.001	29.681	-0.011	29.707	-0.046
29.734	-0.038	29.755	-0.050	29.782	-0.006	29.808	-0.005
29.829	0.027	29.860	0.011	29.878	0.023	29.900	0.008
29.921	-0.008	29.947	0.008	29.967	-0.003	30.008	0.001
30.031	-0.007	30.054	0.010	30.080	0.014	30.112	0.038
30.128	0.054	30.156	0.023	30.187	-0.005	30.219	-0.004
30.238	0.028	30.261	0.044	30.283	0.084	30.295	0.092
30.323	0.021	30.346	-0.003	30.361	-0.034	30.381	0.002
30.418	-0.010	30.447	-0.006	30.468	-0.010	30.479	-0.010
30.505	0.022	30.535	-0.025	30.548	-0.009	30.571	0.011
30.584	0.007	30.613	-0.041	30.635	-0.056	30.656	-0.052
30.687	0.011	30.698	0.015	30.723	0.004	30.749	0.024
30.777	0.036	30.797	0.048	30.807	0.032	30.833	-0.067
30.847	-0.052	30.868	-0.024	30.891	-0.008	30.923	0.024
30.941	0.044	30.961	0.072	30.971	0.052	30.992	0.016
31.002	0.008	31.032	0.032	31.062	-0.008	31.087	0.004
31.104	-0.012	31.126	0.000	31.149	-0.011	31.166	-0.011
31.186	-0.067	31.202	-0.106	31.215	-0.086	31.241	-0.010
31.270	-0.086	31.282	-0.061	31.318	0.090	31.346	0.123
31.371	0.143	31.407	0.128	31.431	0.156	31.443	0.109
31.471	-0.041	31.491	-0.081	31.515	-0.096	31.539	-0.159
31.552	-0.163	31.561	-0.127	31.579	0.000	31.590	0.036
31.610	0.009	31.637	0.065	31.649	0.057	31.666	-0.006
31.676	-0.018	31.702	0.074	31.712	0.082	31.740	-0.013
31.751	-0.013	31.775	0.118	31.785	0.142	31.797	0.119
31.820	0.095	31.837	0.091	31.871	0.084	31.880	0.056

31.897	-0.044	31.906	-0.067	31.930	0.012	31.938	0.028
31.959	-0.083	31.970	-0.111	31.977	-0.083	32.005	0.020
32.029	0.040	32.043	0.091	32.055	0.115	32.075	0.084
32.088	0.040	32.114	-0.087	32.126	-0.099	32.161	-0.079
32.183	0.012	32.195	0.040	32.209	0.028	32.227	-0.027
32.250	-0.011	32.261	-0.035	32.280	-0.107	32.291	-0.118
32.299	-0.099	32.320	-0.015	32.328	0.013	32.333	0.017
32.347	-0.015	32.356	-0.019	32.367	0.021	32.380	0.076
32.388	0.065	32.407	0.001	32.423	-0.003	32.436	0.005
32.469	0.005	32.481	-0.003	*32.501	-0.035	32.513	-0.047
32.527	-0.055	32.541	-0.066	32.547	-0.058	32.555	-0.047
32.565	-0.039	32.574	-0.058	32.584	-0.086	32.593	-0.090
32.602	-0.062	32.621	-0.003	32.631	0.029	32.639	0.049
32.653	0.057	32.663	0.069	32.674	0.089	32.683	0.089
32.690	0.073	32.706	0.001	32.716	-0.027	32.734	-0.023
32.745	-0.034	32.757	-0.054	32.767	-0.046	32.784	0.005
32.791	0.013	32.802	-0.003	32.814	-0.015	32.824	0.005
32.847	0.101	32.860	0.128	32.869	0.140	32.882	0.128
32.901	0.085	32.918	0.045	32.930	0.025	32.941	0.025
32.953	0.041	32.976	0.092	32.987	0.100	32.993	0.076
33.011	0.009	33.022	-0.023	33.030	-0.027	33.053	-0.015
33.074	-0.011	33.094	0.017	33.103	0.009	33.117	-0.019
33.135	-0.063	33.144	-0.083	33.159	-0.063	33.177	-0.063
33.196	-0.087	33.205	-0.099	33.227	-0.079	33.246	-0.099
33.260	-0.071	33.280	0.004	33.294	0.036	33.329	0.044
33.340	0.052	33.358	0.080	33.371	0.080	33.391	0.052
33.421	-0.040	33.433	-0.063	33.442	-0.075	33.456	-0.056
33.484	0.000	33.511	0.016	33.530	0.028	33.539	-0.000
33.564	-0.076	33.579	-0.084	33.600	-0.072	33.619	-0.060
33.634	-0.024	33.655	0.012	33.674	0.047	33.687	0.063
33.697	0.047	33.723	-0.004	33.737	-0.024	33.750	-0.012
33.771	0.016	33.787	0.035	33.809	0.039	33.823	0.055
33.829	0.059	33.838	0.039	33.862	-0.028	33.874	-0.044
33.884	-0.028	33.898	-0.016	33.912	-0.024	33.926	-0.040
33.940	-0.032	33.960	-0.013	33.978	0.015	33.994	0.039
34.010	0.063	34.020	0.071	34.034	0.047	34.051	0.023
34.063	0.015	34.077	0.031	34.091	0.039	34.104	0.015
34.120	-0.005	34.129	-0.001	34.146	0.019	34.162	0.035
34.185	0.035	34.203	0.047	34.223	0.039	34.245	0.039
34.260	0.023	34.282	-0.025	34.296	-0.041	34.316	-0.033
34.337	-0.037	34.351	-0.021	34.368	0.007	34.385	0.014
34.410	0.018	34.429	0.014	34.447	0.006	34.467	-0.002
34.482	0.010	34.503	0.042	34.515	0.050	34.541	0.038
34.559	0.046	34.571	0.026	34.589	-0.014	34.605	-0.026
34.625	-0.014	34.657	-0.010	34.669	0.006	34.684	0.025
34.703	0.014	34.727	0.006	34.749	-0.010	34.771	-0.003
34.791	-0.019	34.818	-0.038	34.830	-0.031	34.851	-0.011
34.863	-0.003	34.886	-0.027	34.898	-0.011	34.918	0.029
34.929	0.037	34.953	0.005	34.977	0.001	34.999	-0.035
35.018	-0.043	35.039	-0.051	35.053	-0.059	35.074	-0.039
35.103	-0.019	35.128	0.025	35.148	0.036	35.181	0.032
35.199	0.048	35.215	0.072	35.229	0.080	35.245	0.064
35.277	0.048	35.305	0.036	35.333	0.028	35.346	0.028
35.375	0.036	35.397	0.044	35.420	0.060	35.434	0.036
35.463	-0.016	35.483	-0.047	35.512	-0.063	35.533	-0.067
35.552	-0.059	35.570	-0.036	35.597	0.000	35.617	0.020

35.632	0.028	35.650	0.040	35.661	0.020	35.682	-0.016
35.707	-0.008	35.736	-0.024	35.752	-0.008	35.769	0.032
35.790	0.040	35.811	0.039	35.829	0.016	35.855	0.016
35.877	-0.000	35.901	0.019	35.928	-0.004	35.950	-0.012
35.972	-0.024	35.993	-0.008	36.018	0.003	36.034	0.011
36.050	0.047	36.064	0.043	36.090	0.027	36.117	0.019
36.142	0.007	36.164	-0.001	36.174	0.003	36.194	0.027
36.209	0.035	36.226	0.023	36.248	0.011	36.263	0.019
36.280	0.027	36.293	0.019	36.323	0.015	36.338	0.027
36.356	0.031	36.373	0.035	36.399	0.015	36.417	0.007
36.438	0.011	36.474	0.010	36.492	-0.002	36.512	-0.017
36.536	-0.014	36.563	-0.010	36.593	-0.010	36.623	-0.026
36.642	-0.006	36.660	0.014	36.685	0.022	36.707	0.034
36.726	0.038	36.733	0.026	36.760	-0.002	36.774	-0.002
36.807	0.013	36.831	0.017	36.843	0.021	36.862	0.005
36.896	0.001	36.917	-0.007	36.932	-0.015	36.952	-0.039
36.967	-0.027	36.985	-0.023	37.010	-0.035	37.024	-0.019
37.043	0.009	37.057	0.025	37.078	0.037	37.098	0.025
37.111	0.021	37.132	0.017	37.147	0.001	37.163	-0.019
37.180	-0.031	37.197	-0.035	37.218	-0.035	37.232	-0.023
37.245	0.005	37.264	0.009	37.284	0.032	37.292	0.048
37.301	0.024	37.315	0.001	37.339	-0.003	37.357	-0.015
37.396	-0.015	37.412	-0.027	37.429	-0.031	37.447	-0.008
37.473	0.016	37.492	0.028	37.514	0.012	37.565	0.012
37.588	0.000	37.616	0.020	37.642	0.012	37.664	0.024
37.687	0.008	37.713	-0.016	37.731	-0.016	37.763	0.000
37.788	0.016	37.804	0.028	37.818	0.008	37.837	-0.008
37.868	-0.008	37.883	-0.008	37.898	0.000	37.919	-0.008
37.934	0.016	37.945	0.016	37.977	0.000	38.001	0.012
38.018	-0.004	38.055	-0.012	38.074	-0.016	38.095	-0.028
38.129	0.000	38.156	-0.004	38.200	-0.004	38.221	-0.008
38.246	-0.012	38.264	-0.012	38.283	-0.032	38.323	-0.032
38.348	-0.008	38.374	-0.008	38.405	0.012	38.433	0.000
38.486	0.008	38.518	0.016	38.545	-0.016	38.574	0.008
38.596	-0.008	38.619	0.004	38.655	-0.016	38.691	-0.004
38.706	-0.008	38.723	-0.008	38.744	-0.024	38.774	0.000
38.802	-0.004	38.831	0.028	38.855	0.024	38.877	0.040
38.900	0.032	38.919	0.012	38.942	0.004	38.961	0.008
38.979	0.032	38.995	0.040	39.010	0.024	39.034	-0.008
39.048	0.008	39.065	0.016	39.092	-0.004	39.118	0.024
39.145	-0.020	39.163	0.000	39.216	0.000	39.232	-0.028
39.246	0.000	39.271	0.052	39.310	0.052	39.329	0.048
39.346	0.048	39.366	0.056	39.395	0.028	39.419	0.028
39.449	0.000	39.489	0.024	39.526	0.008	39.548	0.028
39.577	-0.004	39.612	-0.008	39.660	-0.020	39.696	-0.012
39.719	-0.019	39.745	0.001	39.769	0.001	39.793	0.009
39.823	-0.011	39.837	-0.011	39.855	0.005	39.879	0.037
39.886	0.045	39.905	0.005	39.965	0.009	39.982	0.001
39.996	-0.019	40.018	-0.003	40.046	-0.002	40.073	-0.014
40.096	-0.030	40.119	-0.018	40.144	0.018	40.165	-0.010
40.190	-0.006	40.211	-0.022	40.227	-0.014	40.240	-0.010
40.252	-0.018	40.272	-0.033	40.300	-0.021	40.321	-0.021
40.353	0.007	40.383	-0.005	40.418	0.035	40.444	0.024
40.476	0.032	40.524	0.020	40.551	0.033	40.586	0.013
40.617	0.021	40.646	0.013	40.670	0.018	40.688	0.022
40.716	0.006	40.738	-0.010	40.762	-0.021	40.789	-0.025

40.819	-0.013	40.857	-0.013	40.878	-0.013	40.922	0.012
40.935	-0.000	40.952	-0.004	40.971	0.000	40.996	-0.008
41.043	-0.003	41.086	-0.007	41.116	-0.007	41.142	0.009
41.162	-0.003	41.188	0.010	41.219	0.018	41.241	0.018
41.259	0.010	41.287	-0.006	41.306	-0.017	41.323	-0.029
41.355	-0.001	41.386	-0.013	41.416	0.003	41.443	0.003
41.465	0.027	41.480	0.015	41.508	0.003	41.545	0.027
41.574	0.019	41.589	0.015	41.609	-0.012	41.633	0.008
41.661	0.004	41.695	0.008	41.722	-0.000	41.750	-0.000
41.798	0.044	41.831	0.048	41.856	0.036	41.885	0.012
41.913	-0.012	41.935	-0.036	41.950	-0.032	41.984	-0.012
42.012	-0.008	42.040	-0.024	42.073	0.012	42.116	-0.016
42.142	0.000	42.171	-0.020	42.213	0.000	42.247	0.004
42.268	0.012	42.296	0.020	42.312	0.004	42.353	-0.012
42.378	-0.020	42.413	-0.032	42.438	-0.044	42.461	-0.024
42.491	-0.004	42.512	0.016	42.530	0.016	42.554	0.004
42.579	0.012	42.613	-0.016	42.642	0.004	42.670	-0.012
42.702	0.008	42.743	0.020	42.760	0.021	42.792	0.001
42.824	-0.003	42.867	-0.011	42.895	-0.007	42.931	-0.027
42.957	-0.027	42.985	-0.010	43.012	-0.002	43.040	0.002
43.070	-0.009	43.106	-0.025	43.134	-0.032	43.159	-0.016
43.188	-0.012	43.213	-0.023	43.258	-0.030	43.276	-0.034
43.325	-0.001	43.331	-0.001	43.341	-0.001	43.351	-0.000
43.357	-0.008	43.369	-0.008	43.380	-0.003	*43.385	-0.003
43.389	0.001	43.399	0.002	43.408	0.006	43.422	0.011
43.432	0.008	43.440	0.004	43.452	0.005	43.456	0.001
43.467	-0.002	43.472	-0.002	43.486	-0.001	43.488	-0.001
43.496	-0.001	43.511	-0.000	43.521	0.008	43.529	0.004
43.543	-0.008	43.557	-0.008	43.565	0.001	43.584	0.005
43.596	0.005	43.616	0.013	43.633	0.017	43.647	0.020
43.667	0.024	43.686	0.019	43.696	0.019	43.708	0.023
43.725	0.022	43.740	0.018	43.751	0.018	43.762	0.022
43.778	0.021	43.798	0.009	43.818	0.009	43.837	0.008
43.856	-0.032	43.871	-0.036	43.890	-0.037	43.910	-0.025
43.922	-0.009	43.938	0.002	43.958	0.010	43.979	0.005
43.999	0.005	44.008	0.005	44.023	0.001	44.035	0.001
44.054	-0.011	44.068	-0.019	44.078	-0.031	44.092	-0.035
44.101	-0.031	44.118	-0.012	44.126	-0.012	44.132	-0.008
44.138	-0.004	44.145	-0.004	44.154	0.004	44.163	0.008
44.170	0.020	44.175	0.020	44.187	0.016	44.198	0.015
44.210	0.015	44.222	0.015	44.239	0.011	44.248	0.007
44.260	0.007	44.272	0.007	44.287	-0.005	44.302	-0.005
44.309	-0.005	44.318	-0.005	44.329	-0.010	44.340	-0.014
44.353	-0.010	44.368	-0.002	44.385	-0.002	44.393	-0.006
44.406	-0.006	44.417	-0.003	44.433	0.001	44.447	-0.003
44.457	0.001	44.472	0.005	44.487	0.012	44.498	0.012
44.509	0.008	44.516	0.004	44.519	-0.004	44.529	-0.012
44.534	-0.012	44.544	-0.012	44.552	-0.004	44.564	0.008
44.578	0.012	44.590	-0.001	44.601	-0.005	44.611	-0.009
44.620	-0.009	44.628	-0.005	44.635	-0.009	44.647	-0.009
44.656	-0.005	44.666	-0.005	44.674	0.011	44.684	0.010
44.705	0.006	44.715	-0.002	44.721	-0.010	44.730	-0.014
44.736	-0.018	44.753	-0.010	44.759	-0.010	44.768	-0.010
44.780	-0.014	44.789	-0.018	44.794	-0.019	44.806	-0.031
44.822	-0.031	44.833	-0.031	44.843	-0.031	44.854	-0.031
44.866	-0.031	44.881	-0.031	44.887	-0.027	44.893	-0.019

44.909	-0.015	44.920	-0.015	44.928	-0.003	44.936	0.005
44.948	0.017	44.957	0.017	44.967	0.017	44.979	0.017
44.993	-0.007	45.013	-0.007	45.029	-0.007	45.047	-0.015
45.065	-0.019	45.076	-0.031	45.093	-0.039	45.105	-0.039
45.121	-0.039	45.133	-0.039	45.137	-0.039	45.151	-0.032
45.174	-0.028	45.188	-0.012	45.199	-0.004	45.209	-0.004
45.222	0.000	45.234	0.000	45.251	-0.011	45.256	-0.015
45.269	-0.019	45.280	-0.023	45.298	-0.015	45.305	-0.015
45.311	-0.015	45.326	-0.014	45.339	-0.014	45.355	-0.010
45.363	-0.006	45.379	-0.002	45.389	-0.002	45.399	0.002
45.414	0.019	45.423	0.019	45.434	0.003	45.441	0.003
45.454	0.004	45.465	0.004	45.473	0.012	45.488	0.020
45.495	0.016	45.503	0.021	45.509	0.021	45.525	0.013
45.537	0.001	45.545	-0.011	45.557	-0.014	45.567	-0.010
45.579	-0.010	45.596	0.006	45.610	0.022	45.621	0.026
45.632	0.022	45.644	0.018	45.654	0.026	45.669	0.038
45.679	0.046	45.696	0.046	45.713	0.030	45.725	0.022
45.732	-0.002	45.744	-0.002	45.751	-0.002	45.762	-0.002
45.771	-0.002	45.776	0.006	45.782	0.014	45.793	0.022
45.803	0.026	45.814	0.026	45.823	0.022	45.829	-0.002
45.838	-0.006	45.845	-0.006	45.851	-0.003	45.858	0.005
45.870	0.005	45.880	0.009	45.892	0.005	45.903	-0.004
45.910	-0.004	45.921	-0.004	45.927	-0.004	45.935	-0.004
45.941	0.004	45.948	-0.001	45.957	-0.005	45.965	-0.001
45.977	0.003	45.984	-0.005	45.991	-0.005	46.001	-0.002
46.013	0.010	46.025	0.014	46.036	0.006	46.049	-0.002
46.064	-0.003	46.073	-0.003	46.087	0.005	46.100	0.008
46.115	0.012	46.123	0.004	46.129	0.004	46.141	0.004
46.148	0.007	46.164	0.007	46.174	0.011	46.185	0.015
46.201	0.019	46.214	0.015	46.233	0.007	46.251	-0.005
46.264	-0.013	46.273	-0.013	46.287	-0.013	46.305	0.007
46.317	0.015	46.328	0.015	46.344	0.003	46.359	-0.005
46.373	0.003	46.385	0.015	46.394	0.011	46.416	-0.009
46.432	-0.009	46.442	-0.013	46.453	-0.009	46.466	-0.005
46.474	-0.001	46.486	-0.001	46.504	0.003	46.516	0.023
46.527	0.023	46.542	0.019	46.562	0.019	46.577	0.019
46.592	0.015	46.604	0.012	46.616	0.008	46.631	0.008
46.641	0.008	46.658	0.012	46.676	0.016	46.684	0.008
46.693	-0.000	46.706	-0.004	46.717	-0.004	46.735	-0.000
46.751	0.008	46.763	0.012	46.783	0.016	46.792	0.027
46.800	0.027	46.811	0.031	46.830	0.027	46.841	0.027
46.849	0.015	46.863	-0.017	46.879	-0.001	46.889	0.003
46.901	0.014	46.915	0.010	46.921	0.010	46.939	0.010
46.949	0.010	46.961	0.010	46.973	0.006	46.982	0.006
46.999	0.005	47.010	0.005	47.019	0.009	47.036	0.009
47.047	0.005	47.059	0.013	47.073	0.013	47.080	0.009
47.091	0.001	47.109	-0.004	47.122	-0.004	47.130	-0.004
47.140	-0.004	47.153	-0.004	47.162	-0.004	47.169	-0.008
47.177	-0.008	47.184	-0.008	47.202	-0.012	47.211	-0.012
47.225	-0.012	47.236	-0.012	47.248	-0.013	47.265	-0.009
47.282	-0.013	47.296	-0.009	47.313	-0.005	47.322	-0.013
47.329	-0.013	47.342	-0.005	47.362	-0.005	47.375	-0.005
47.388	-0.005	47.398	-0.005	47.409	-0.009	47.424	-0.009
47.432	-0.017	47.451	-0.020	47.470	-0.016	47.480	-0.013
47.488	-0.012	47.495	-0.012	47.503	-0.016	47.515	-0.016
47.532	-0.016	47.548	0.003	47.565	-0.000	47.576	-0.008

47.584	-0.004	47.593	-0.004	47.605	0.001	47.613	0.001
47.619	0.001	47.626	-0.007	47.631	-0.011	47.637	-0.015
47.646	-0.010	47.653	-0.006	47.665	-0.010	47.671	-0.014
47.683	-0.018	47.699	-0.017	47.707	-0.017	47.714	-0.013
47.725	-0.013	47.736	-0.009	47.746	-0.008	47.762	-0.000
47.775	0.012	47.787	0.016	47.800	0.016	47.816	0.013
47.831	0.009	47.845	0.009	47.860	0.009	47.870	0.014
47.881	0.014	47.893	0.018	47.902	0.022	47.917	0.022
47.927	0.014	47.942	0.014	47.955	0.010	47.965	0.018
47.977	0.021	47.988	0.021	48.003	0.013	48.022	0.009
48.038	0.009	48.057	0.009	48.068	0.013	48.078	0.017
48.088	0.017	48.102	0.021	48.117	0.021	48.132	0.017
48.141	0.021	48.161	0.024	48.170	0.024	48.180	0.024
48.193	0.024	48.207	0.024	48.218	0.016	48.230	0.016
48.244	0.019	48.257	0.019	48.268	0.015	48.277	0.015
48.293	0.007	48.307	0.015	48.321	0.003	48.329	-0.001
48.341	-0.005	48.355	-0.001	48.375	-0.005	48.392	-0.013
48.407	-0.013	48.418	-0.013	48.433	-0.014	48.448	-0.014
48.459	-0.014	48.474	-0.006	48.484	-0.006	48.495	-0.006
48.509	0.010	48.538	0.006	48.551	-0.002	48.565	-0.002
48.575	0.002	48.593	0.002	48.606	0.002	48.620	0.002
48.641	-0.002	48.656	-0.006	48.675	-0.006	48.689	-0.010
48.702	-0.010	48.718	-0.010	48.736	-0.006	48.757	0.001
48.781	-0.003	48.791	0.001	48.802	-0.003	48.815	-0.007
48.826	-0.011	48.841	-0.015	48.859	-0.011	48.874	-0.003
48.894	0.005	48.913	0.001	48.928	-0.003	48.938	-0.003
48.949	-0.003	48.963	0.001	48.981	0.005	48.991	-0.007
49.005	-0.003	49.019	-0.003	49.028	-0.007	49.044	-0.011
49.054	-0.007	49.061	-0.007	49.072	0.005	49.083	0.005
49.093	0.010	49.109	-0.002	49.128	-0.006	49.136	-0.006
49.164	-0.001	49.171	-0.009	49.188	-0.013	49.204	-0.005
49.214	-0.005	49.225	-0.013	49.230	-0.016	49.237	-0.020
49.253	-0.016	49.262	-0.012	49.280	-0.000	49.289	0.008
49.310	0.012	49.329	0.016	49.342	0.012	49.351	0.012
49.367	0.008	49.381	0.012	49.396	0.012	49.408	0.004
49.429	-0.004	49.446	0.008	49.461	0.016	49.470	0.016
49.483	0.020	49.498	0.016	49.513	0.016	49.528	0.016
49.544	0.012	49.554	0.008	49.565	0.004	49.577	0.004
49.589	0.012	49.606	0.015	49.620	0.007	49.641	0.003
49.657	0.007	49.675	0.007	49.684	0.007	49.698	-0.021
49.708	-0.021	49.724	-0.021	49.749	-0.013	49.759	-0.013
49.771	-0.013	49.784	-0.013	49.797	-0.013	49.805	-0.005
49.819	-0.001	49.831	-0.009	49.845	-0.002	49.861	0.006
49.879	0.014	49.891	0.010	49.905	0.021	49.925	0.013
49.937	0.013	49.954	0.005	49.968	0.016	49.982	0.012
49.994	-0.016	50.002	-0.012	50.024	0.004	50.035	0.003
50.044	0.003	50.052	0.011	50.069	0.019	50.079	0.010
50.096	0.002	50.107	0.006	50.114	0.010	50.128	0.017
50.147	0.009	50.158	0.009	50.167	-0.003	50.186	-0.003
50.202	0.009	50.214	0.005	50.224	0.001	50.232	-0.007
50.248	0.005	50.257	0.016	50.272	0.024	50.281	0.024
50.300	0.012	50.319	0.000	50.340	0.000	50.362	0.004
50.384	-0.004	50.405	0.000	50.423	0.000	50.441	0.004
50.457	0.008	50.476	0.004	50.486	-0.008	50.499	-0.008
50.514	-0.004	50.528	-0.008	50.537	-0.012	50.549	-0.012
50.563	-0.008	50.581	0.000	50.602	0.000	50.616	0.008

50.634	0.012	50.648	0.012	50.662	0.016	50.671	0.024
50.686	0.028	50.706	0.028	50.719	0.032	50.725	0.036
50.736	0.036	50.746	0.024	50.756	0.016	50.769	0.020
50.784	0.012	50.795	0.001	50.808	0.001	50.826	-0.011
50.836	-0.011	50.847	-0.007	50.856	-0.003	50.870	0.005
50.885	0.005	50.900	0.013	50.917	0.022	50.927	0.018
50.940	0.010	50.950	0.006	50.963	0.010	50.977	0.003
50.986	-0.005	50.998	-0.009	51.007	-0.005	51.016	0.003
51.028	-0.004	51.043	-0.004	51.052	0.012	51.070	0.004
51.080	0.008	51.090	0.013	51.102	0.009	51.110	0.013
51.120	0.009	51.131	0.009	51.143	0.014	51.158	-0.002
51.171	-0.010	51.181	-0.010	51.192	-0.006	51.209	-0.005
51.226	-0.009	51.233	-0.017	51.247	-0.021	51.262	-0.017
51.278	-0.005	51.294	-0.025	51.302	-0.028	51.315	-0.024
51.328	-0.020	51.339	-0.012	51.356	-0.008	51.365	-0.012
51.374	-0.016	51.387	-0.016	51.400	-0.012	51.408	-0.016
51.417	-0.016	51.425	-0.012	51.437	-0.008	51.451	0.004
51.470	-0.000	51.483	-0.004	51.492	-0.000	51.507	-0.000
51.514	-0.008	51.529	-0.012	51.547	0.003	51.560	0.011
51.573	0.003	51.585	-0.001	51.604	0.007	51.621	0.007
51.630	0.011	51.640	0.011	51.653	0.007	51.660	0.019
51.674	0.015	51.686	0.003	51.695	0.007	51.705	0.015
51.724	0.023	51.745	0.015	51.760	0.007	51.773	0.007
51.792	0.007	51.806	0.003	51.821	-0.001	51.840	-0.005
51.851	-0.009	51.867	0.002	51.885	0.014	51.906	0.006
51.926	0.026	51.956	0.014	51.978	0.014	51.996	0.023
52.006	0.027	52.023	0.023	52.034	0.015	52.043	0.015
52.046	0.015	52.058	0.016	52.069	0.004	52.082	0.000
52.098	0.004	52.113	0.009	52.122	0.005	52.135	-0.007
52.144	-0.011	52.158	-0.006	52.173	0.006	52.185	0.018
52.199	0.018	52.209	0.015	52.228	0.011	52.244	0.020
52.259	0.012	52.271	0.012	52.283	0.021	52.299	0.033
52.315	0.021	52.333	0.013	52.346	0.021	52.362	0.014
52.376	0.010	52.390	0.010	52.410	0.010	52.428	0.010
52.439	0.010	52.450	0.006	52.462	0.003	52.473	0.007
52.494	0.015	52.513	0.011	52.526	0.011	52.544	0.011
52.559	0.011	52.571	0.015	52.591	0.023	52.611	0.008
52.620	0.008	52.636	0.016	52.651	0.024	52.666	0.024
52.686	0.008	52.703	0.004	52.725	0.008	52.745	0.004
52.754	0.004	52.775	0.011	52.796	0.007	52.812	0.011
52.823	0.007	52.829	0.015	52.852	0.007	52.862	0.003
52.881	-0.005	52.899	-0.005	52.910	-0.001	52.928	0.003
52.941	-0.005	52.961	-0.010	52.978	-0.002	52.995	0.006
53.021	0.006	53.041	-0.002	53.062	-0.010	53.077	-0.013
53.095	-0.005	53.117	-0.013	53.133	-0.017	53.149	-0.009
53.163	0.007	53.182	-0.001	53.200	-0.001	53.226	-0.004
53.245	-0.008	53.260	-0.004	53.283	-0.004	53.293	-0.004
53.313	0.000	53.325	0.005	53.334	0.001	53.341	-0.007
53.360	0.001	53.381	0.010	53.396	0.002	53.405	0.006
53.424	0.014	53.445	0.011	53.461	-0.005	53.479	0.011
53.493	0.011	53.508	0.020	53.519	0.020	53.532	0.036
53.545	0.032	53.556	0.028	53.573	0.025	53.592	0.025
53.610	0.002	53.629	-0.002	53.646	0.002	53.661	0.007
53.682	0.011	53.701	0.008	53.714	0.008	53.727	0.004
53.734	0.000	53.750	-0.004	53.754	0.000	53.761	0.004
53.764	0.004	53.765	0.004	53.786	0.005	53.804	-0.002

* 53.819	-0.001	53.832	-0.004	53.851	-0.003	53.867	0.002
53.883	-0.006	53.903	0.003	53.929	0.004	53.949	0.008
53.964	0.012	53.982	0.016	54.003	0.020	54.020	0.020
54.047	0.012	54.075	0.016	54.101	0.012	54.123	0.004
54.145	0.004	54.171	0.004	54.193	0.004	54.214	0.004
54.229	0.004	54.249	0.008	54.277	0.004	54.305	0.024
54.317	0.028	54.348	0.020	54.371	0.020	54.392	0.032
54.415	0.021	54.422	0.009	54.442	0.021	54.456	0.025
54.478	0.014	54.505	0.038	54.531	0.039	54.557	0.040
54.577	0.040	54.596	0.029	54.622	0.029	54.637	0.018
54.661	0.018	54.677	0.027	54.699	0.027	54.720	0.015
54.743	0.023	54.762	0.038	54.780	0.010	54.800	0.026
54.827	0.018	54.854	0.018	54.883	0.010	54.912	0.042
54.932	0.034	54.946	0.017	54.958	0.017	54.977	0.048
54.988	0.048	55.003	0.032	55.016	0.016	55.031	0.031
55.047	0.043	55.073	-0.006	55.096	0.026	55.104	0.037
55.126	0.017	55.142	0.016	55.154	0.040	55.175	0.075
55.202	0.062	55.227	0.037	55.249	0.021	55.277	0.004
55.311	0.010	55.338	0.017	55.356	0.029	55.373	0.008
55.388	0.035	55.401	0.051	55.418	0.031	55.430	0.011
55.457	0.018	55.481	0.010	55.506	0.029	55.532	0.013
55.554	0.008	55.581	0.024	55.601	0.031	55.616	0.011
55.626	-0.013	55.639	-0.001	55.656	0.022	55.676	0.006
55.684	0.002	55.700	0.026	55.712	0.045	55.729	0.029
55.745	0.021	55.765	0.029	55.789	0.001	55.802	-0.011
55.819	0.005	55.837	-0.011	55.864	0.020	55.891	0.004
55.914	0.004	55.940	0.028	55.965	0.031	55.981	0.007
55.998	-0.017	56.013	0.003	56.036	0.030	56.062	0.042
56.078	0.057	56.090	0.025	56.099	-0.003	56.116	0.037
56.132	0.024	56.153	0.008	56.185	-0.012	56.220	-0.013
56.243	-0.013	56.266	0.002	56.292	-0.002	56.308	-0.006
56.338	0.013	56.368	0.021	56.408	0.036	56.436	0.035
56.460	0.003	56.485	0.027	56.504	0.015	56.539	-0.006
56.558	-0.026	56.578	-0.010	56.607	0.002	56.627	-0.007
56.654	0.013	56.669	0.013	56.684	-0.003	56.701	-0.003
56.721	0.001	56.751	0.020	56.776	0.024	56.790	0.036
56.806	0.016	56.818	-0.004	56.841	0.004	56.860	-0.008
56.885	0.016	56.905	0.008	56.919	0.000	56.931	0.000
56.963	-0.008	56.985	-0.008	57.014	0.008	57.051	0.028
57.087	0.028	57.097	0.028	57.119	0.016	57.152	0.036
57.186	0.028	57.219	0.028	57.252	0.028	57.289	0.028
57.317	0.027	57.328	0.027	57.349	0.051	57.375	0.031
57.408	0.019	57.442	0.003	57.469	0.023	57.487	0.051
57.496	0.047	57.514	0.042	57.531	0.030	57.548	0.038
57.565	0.026	57.579	0.014	57.596	0.034	57.609	0.034
57.626	0.018	57.643	0.026	57.653	0.030	57.672	0.026
57.690	0.042	57.712	0.018	57.722	0.018	57.739	0.022
57.759	0.025	57.781	0.025	57.810	0.033	57.835	0.041
57.868	0.041	57.894	0.045	57.933	0.052	57.959	0.060
57.979	0.064	58.000	0.044	58.013	0.048	58.023	0.036
58.033	0.028	58.046	0.036	58.064	0.036	58.080	0.036
58.097	0.044	58.112	0.036	58.131	0.023	58.146	0.027
58.160	0.023	58.170	0.019	58.184	0.035	58.191	0.031
58.205	0.003	58.218	0.003	58.236	0.011	58.262	0.010
58.285	0.034	58.304	0.034	58.334	0.022	58.358	0.009
58.379	0.009	58.403	0.017	58.427	0.025	58.459	0.032

58.484	0.016	58.523	0.019	58.561	0.034	58.587	0.021
58.608	0.029	58.625	0.012	58.644	0.032	58.669	0.019
58.682	0.019	58.701	0.030	58.722	0.026	58.728	0.026
58.738	0.033	58.758	0.017	58.775	0.008	58.801	0.004
58.829	0.003	58.855	0.002	58.877	0.006	58.895	0.025
58.916	0.009	58.928	0.009	58.946	0.016	58.962	0.016
58.980	-0.004	59.005	-0.004	59.029	0.003	59.057	-0.001
59.085	-0.001	59.112	-0.002	59.147	0.006	59.169	0.006
59.194	0.005	59.222	0.005	59.253	0.009	59.281	0.009
59.311	0.017	59.345	0.013	59.357	0.017	59.383	0.017
59.406	0.017	59.461	0.009	59.501	0.021	59.525	0.029
59.542	0.025	59.576	0.034	59.596	0.038	59.619	0.038
59.639	0.034	59.661	0.038	59.681	0.039	59.700	0.039
59.723	0.039	59.755	0.023	59.787	0.020	59.788	0.020
59.793	0.020	59.814	0.024	59.842	0.012	59.858	0.028
59.881	0.029	59.892	0.017	59.915	0.033	59.930	0.017
59.953	0.013	59.982	0.014	60.011	0.015	60.033	0.016
60.049	0.017	60.076	0.017	60.092	0.018	60.111	0.043
60.132	0.019	60.156	0.020	60.175	0.021	60.196	0.022
60.211	0.022	60.224	0.023	60.240	0.023	60.249	0.024
60.271	0.024	60.290	0.025	60.305	0.026	60.322	0.026
60.336	0.030	60.353	0.031	60.375	0.011	60.385	0.012
60.396	0.036	60.414	0.036	60.434	0.029	60.442	0.017
60.465	0.025	60.485	0.026	60.508	0.034	60.518	0.034
60.532	0.023	60.560	0.043	60.575	0.024	60.586	0.024
60.609	0.035	60.629	0.027	60.649	0.030	60.676	0.030
60.704	0.029	60.735	0.028	60.761	0.028	60.769	0.027
60.784	0.054	60.801	0.046	60.816	0.041	60.828	0.033
60.833	0.033	60.856	0.028	60.875	0.027	60.893	0.027
60.906	0.026	60.920	0.026	60.941	0.026	60.958	0.026
60.969	0.030	60.993	0.026	61.002	0.010	61.024	0.010
61.035	0.006	61.060	0.018	61.076	0.030	61.099	0.023
61.115	0.024	61.126	0.036	61.141	0.025	61.164	0.037
61.180	0.030	61.192	0.010	61.219	0.027	61.236	0.016
61.256	0.029	61.262	0.029	61.281	0.037	61.297	0.030
61.315	0.042	61.329	0.043	61.349	0.031	61.364	0.020
61.378	0.040	61.394	0.041	61.404	0.025	61.411	0.025
61.420	0.037	61.435	0.038	61.448	0.030	61.474	0.031
61.497	0.031	61.522	0.030	61.541	0.041	61.565	0.037
61.587	0.024	61.618	0.031	61.630	0.039	61.645	0.034
61.660	0.022	61.679	0.021	61.696	0.024	61.719	0.028
61.729	0.036	61.744	0.028	61.764	0.040	61.774	0.040
61.788	0.032	61.801	0.020	61.817	0.056	61.835	0.060
61.851	0.044	61.857	0.028	61.867	0.028	61.879	0.040
61.892	0.040	61.905	0.032	61.912	0.020	61.933	0.020
61.954	0.020	61.968	0.019	61.980	0.031	62.002	0.019
62.023	0.031	62.045	0.019	62.079	0.018	62.113	0.018
62.143	0.026	62.171	0.014	62.184	0.029	62.203	0.017
62.227	0.033	62.256	0.033	62.294	0.044	62.321	0.052
62.340	0.023	62.354	0.023	62.374	0.030	62.407	0.025
62.432	0.024	62.451	0.016	62.461	0.008	62.473	0.019
62.502	0.010	62.519	0.010	62.538	0.010	62.564	0.017
62.590	0.001	62.621	0.000	62.638	0.020	62.664	0.004
62.700	-0.000	62.721	0.015	62.743	-0.001	62.771	0.019
62.803	-0.001	62.832	0.019	62.845	0.007	62.866	0.015
62.902	0.015	62.910	0.015	62.940	0.015	62.966	0.008

62.996	0.021	63.021	0.010	63.043	0.015	63.076	0.000
63.083	0.013	63.097	0.017	63.125	0.006	63.153	0.011
63.174	0.020	63.200	0.017	63.218	0.025	63.230	0.030
63.246	0.010	63.255	0.026	63.266	0.034	63.295	0.019
63.318	0.040	63.345	0.045	63.386	0.019	63.418	0.040
63.457	0.025	63.495	0.035	63.543	0.035	63.565	0.035
63.603	0.044	63.659	0.036	63.702	0.032	63.722	0.032
63.748	0.032	63.787	0.036	63.830	0.036	63.881	0.036
63.926	0.035	63.952	0.019	63.975	0.035	63.999	0.027
64.028	0.022	64.039	0.010	64.061	0.034	64.087	0.017
64.114	0.016	64.142	0.040	64.176	0.031	64.209	0.030
64.229	0.022	64.274	0.015	64.308	-0.016	64.329	0.012
64.340	0.017	64.362	0.006	64.386	0.015	64.406	0.028
64.432	0.029	64.457	0.030	64.493	0.031	64.529	0.032
64.554	0.025	64.580	0.030	64.605	0.038	64.633	0.030
64.665	0.031	64.679	0.035	64.713	0.035	64.729	0.027
64.748	0.028	64.769	0.028	64.790	0.027	64.805	0.018
64.822	0.017	64.833	0.025	64.844	0.020	64.849	0.024
64.861	0.031	64.871	0.031	64.878	0.022	64.892	0.021
64.906	0.020	64.919	0.023	64.933	0.022	64.946	0.021
64.957	0.020	64.984	0.022	64.999	0.021	65.013	0.020
65.030	0.022	65.046	0.021	65.062	0.016	65.078	0.015
65.096	0.013	65.111	0.012	65.127	0.011	65.143	0.010
65.164	0.008	65.179	0.007	65.194	0.006	65.211	0.005
65.221	0.005	65.232	0.001	65.247	-0.004	65.266	-0.000
65.279	0.007	65.299	-0.005	65.318	-0.006	65.340	0.002
65.359	0.001	65.382	0.001	65.397	0.000	65.419	-0.001
65.437	-0.001	65.453	-0.001	65.469	0.002	65.489	0.001
65.511	-0.003	65.534	-0.004	65.551	-0.008	65.567	-0.009
65.583	-0.005	65.607	-0.005	65.625	-0.005	65.640	-0.005
65.658	-0.005	65.682	-0.006	65.709	-0.002	65.729	-0.006
65.751	-0.018	65.769	-0.014	65.789	-0.014	65.809	-0.014
65.823	-0.014	65.840	-0.014	65.858	-0.014	65.878	-0.015
65.901	-0.015	65.919	-0.015	65.937	-0.007	65.960	-0.023
65.978	-0.019	65.997	-0.016	66.018	-0.012	66.033	-0.000
66.056	0.003	66.073	-0.001	66.087	-0.001	66.110	-0.001
66.133	-0.002	66.152	0.006	66.175	0.014	66.198	0.013
66.223	0.013	66.241	0.013	66.264	0.004	66.288	0.004
66.318	0.015	66.344	0.015	66.368	0.014	66.391	0.018
66.410	0.017	66.432	0.009	66.452	0.008	66.472	-0.000
66.497	0.003	66.520	0.015	66.542	0.010	66.566	0.010
66.589	0.009	66.611	0.009	66.639	0.008	66.662	0.008
66.689	0.008	66.713	0.007	66.730	0.007	66.747	-0.005
66.765	-0.005	66.779	-0.005	66.798	-0.005	66.823	-0.006
66.854	-0.006	66.877	-0.006	66.906	-0.007	66.941	-0.003
66.969	-0.003	66.992	-0.016	67.019	-0.016	67.039	-0.016
67.057	-0.008	67.078	-0.008	67.099	-0.016	67.118	-0.016
67.138	-0.016	67.159	-0.012	67.180	-0.004	67.198	-0.004
67.214	-0.004	67.233	-0.008	67.251	0.008	67.271	0.008
67.288	0.008	67.313	0.008	67.331	0.008	67.357	0.008
67.375	0.008	67.391	0.012	67.409	0.012	67.432	0.016
67.455	0.008	67.476	0.016	67.498	0.012	67.518	0.004
67.541	0.004	67.563	-0.008	67.586	-0.012	67.606	-0.012
67.624	-0.012	67.643	0.004	67.670	0.000	67.690	0.012
67.714	0.012	67.735	0.012	67.771	0.004	67.790	0.004
67.818	-0.012	67.835	-0.008	67.852	-0.008	67.866	-0.004

67.889	-0.001	67.910	-0.001	67.925	-0.005	67.948	-0.009
67.971	-0.009	67.994	0.011	68.017	0.015	68.039	0.007
68.066	-0.001	68.085	0.006	68.103	-0.002	68.120	0.010
68.137	0.010	68.152	0.010	68.172	-0.002	68.189	-0.002
68.207	-0.014	68.225	-0.015	68.234	-0.015	68.254	-0.011
68.264	-0.003	68.283	-0.007	68.308	-0.004	68.332	-0.004
68.355	-0.000	68.367	-0.000	68.394	-0.008	68.420	-0.009
68.442	-0.009	68.464	-0.009	68.480	-0.005	68.497	-0.014
68.513	-0.014	68.529	0.002	68.551	0.002	68.578	-0.002
68.592	-0.002	68.609	-0.002	68.625	-0.002	68.643	-0.003
68.667	-0.003	68.690	0.001	68.718	0.001	68.741	0.001
68.761	-0.003	68.774	-0.015	68.796	0.001	68.819	-0.003
68.841	-0.004	68.863	-0.004	68.886	-0.004	68.907	-0.004
68.928	-0.004	68.949	-0.004	68.972	-0.012	68.987	-0.012
69.001	-0.012	69.017	-0.012	69.032	-0.012	69.049	-0.012
69.071	-0.012	69.091	-0.008	69.107	-0.012	69.124	-0.012
69.138	-0.004	69.154	-0.004	69.174	-0.008	69.190	-0.008
69.204	-0.008	69.223	-0.008	69.238	-0.008	69.260	-0.008
69.273	0.000	69.302	0.000	69.319	0.000	69.336	0.000
69.355	0.000	69.373	0.008	69.388	0.008	69.400	0.020
69.422	0.016	69.435	0.016	69.454	0.016	69.473	0.024
69.490	0.032	69.511	0.016	69.534	0.004	69.556	0.000
69.575	0.000	69.593	0.000	69.614	0.000	69.631	-0.008
69.647	0.008	69.666	0.024	69.679	0.023	69.694	0.011
69.714	0.003	69.736	0.015	69.751	0.027	69.767	0.026
69.786	0.018	69.803	0.006	69.821	-0.006	69.841	0.014
69.859	0.013	69.872	0.013	69.892	0.009	69.912	0.005
69.926	-0.003	69.944	0.008	69.959	0.016	69.977	0.012
69.995	-0.000	70.011	0.007	70.024	0.007	70.043	-0.009
70.054	0.006	70.073	0.006	70.093	0.001	70.112	0.005
70.135	0.004	70.156	0.008	70.172	0.012	70.191	0.007
70.207	0.003	70.230	-0.018	70.250	-0.018	70.265	-0.014
70.280	-0.011	70.297	-0.007	70.314	-0.011	70.332	-0.020
70.353	-0.012	70.369	-0.004	70.388	-0.001	70.403	-0.001
70.418	-0.005	70.429	-0.021	70.441	-0.005	70.457	-0.001
70.469	-0.009	70.488	-0.022	70.505	0.002	70.519	-0.010
70.532	-0.014	70.546	-0.014	70.564	-0.015	70.577	-0.003
70.591	-0.003	70.608	-0.007	70.620	-0.007	70.641	-0.007
70.664	0.000	70.684	0.012	70.703	0.008	70.725	0.008
70.748	0.008	70.765	0.008	70.784	0.008	70.801	0.008
70.820	0.008	70.840	0.008	70.860	0.008	70.875	0.008
70.895	0.008	70.911	0.008	70.933	0.008	70.953	0.008
70.976	0.008	70.995	0.012	71.014	0.000	71.036	-0.000
71.062	0.008	71.083	0.007	71.103	0.003	71.125	0.003
71.152	0.003	71.169	-0.009	71.186	-0.009	71.208	-0.009
71.231	-0.010	71.257	-0.010	71.279	-0.006	71.303	-0.006
71.322	-0.006	71.344	0.001	71.367	-0.007	71.391	-0.015
71.414	-0.015	71.437	-0.016	71.458	-0.012	71.480	-0.012
71.499	-0.013	71.509	-0.009	71.528	-0.009	71.546	0.006
71.563	-0.006	71.580	-0.010	71.598	-0.010	71.618	-0.003
71.638	0.009	71.659	0.001	71.676	0.000	71.694	0.000
71.708	-0.000	71.727	-0.000	71.744	-0.001	71.762	-0.017
71.776	-0.013	71.796	0.003	71.819	0.003	71.840	-0.002
71.858	-0.018	71.878	-0.018	71.895	-0.018	71.920	-0.018
71.938	-0.018	71.956	-0.018	71.971	-0.034	71.983	-0.034
72.000	-0.023	72.021	-0.023	72.043	-0.023	72.058	-0.027

72.077	-0.027	72.098	-0.019	72.114	0.000	72.135	0.020
72.155	0.008	72.170	0.004	72.186	0.004	72.205	0.004
72.223	-0.000	72.239	-0.005	72.250	-0.005	72.263	0.003
72.280	-0.001	72.298	-0.017	72.317	-0.021	72.330	-0.021
72.345	-0.005	72.359	0.007	72.368	0.018	72.382	-0.002
72.398	-0.014	72.417	0.006	72.438	0.006	72.455	-0.010
72.472	-0.010	72.491	0.002	72.513	-0.003	72.539	-0.003
72.555	-0.003	72.571	-0.003	72.584	-0.027	72.600	-0.035
72.617	-0.028	72.638	-0.032	72.660	-0.016	72.677	-0.005
72.697	-0.005	72.713	-0.009	72.730	-0.013	72.747	-0.014
72.762	-0.014	72.783	-0.014	72.808	-0.002	72.826	-0.003
72.840	-0.003	72.857	-0.003	72.872	-0.015	72.887	-0.008
72.906	-0.008	72.926	-0.012	72.946	-0.012	72.965	-0.028
72.981	-0.029	72.996	-0.025	73.016	-0.013	73.032	0.011
73.051	-0.005	73.074	-0.010	73.098	-0.014	73.124	-0.006
73.151	0.002	73.171	0.010	73.186	0.010	73.211	-0.010
73.240	-0.031	73.262	-0.031	73.286	-0.027	73.308	-0.007
73.335	-0.007	73.359	0.004	73.380	0.004	73.398	-0.004
73.418	-0.024	73.433	-0.008	73.448	-0.016	73.467	-0.036
73.485	-0.024	73.506	-0.008	73.527	-0.008	73.540	0.004
73.561	-0.012	73.578	-0.032	73.598	-0.012	73.620	-0.020
73.647	-0.024	73.672	-0.024	73.695	-0.012	73.719	-0.004
73.740	-0.012	73.781	0.008	73.804	0.008	73.818	0.000
73.843	0.024	73.857	0.024	73.878	0.008	73.899	0.012
73.917	0.012	73.941	0.008	73.964	0.008	73.984	-0.016
74.001	-0.024	74.015	-0.004	74.030	-0.008	74.043	-0.012
74.062	0.008	74.082	0.008	74.097	-0.004	74.120	0.000
74.138	0.000	74.161	-0.036	74.176	-0.032	74.199	-0.016
74.214	0.008	74.231	0.008	74.246	0.008	74.265	0.004
74.283	-0.012	74.302	-0.016	74.318	-0.004	74.336	0.016
74.353	0.016	74.368	0.008	74.384	0.008	74.404	0.008
74.420	0.020	74.445	0.000	74.469	-0.016	74.488	-0.016
74.501	-0.008	74.521	-0.008	74.538	-0.008	74.555	0.008
74.569	0.016	74.592	-0.031	74.610	-0.023	74.623	-0.011
74.636	-0.046	74.651	-0.062	74.666	-0.050	74.679	-0.026
74.690	-0.010	74.708	0.003	74.723	-0.005	74.738	0.019
74.760	0.019	74.769	0.039	74.784	0.020	74.802	-0.004
74.816	0.012	74.834	-0.003	74.856	0.005	74.875	0.018
74.889	0.030	74.903	0.007	74.925	-0.001	74.940	-0.012
74.959	0.008	74.975	0.032	74.991	-0.000	75.007	0.020
75.026	0.044	75.048	0.012	75.063	-0.007	75.080	-0.011
75.099	0.008	75.117	0.032	75.140	0.000	75.156	-0.000
75.172	-0.001	75.179	0.014	75.193	-0.010	75.208	-0.027
75.224	-0.012	75.240	0.007	75.253	0.030	75.269	0.010
75.290	-0.022	75.308	-0.002	75.328	0.026	75.349	0.010
75.376	0.011	75.400	0.015	75.417	0.003	75.441	0.004
75.463	-0.007	75.485	-0.011	75.503	0.002	75.524	0.022
75.541	0.031	75.556	0.015	75.576	-0.009	75.595	-0.008
75.603	-0.008	75.610	-0.024	75.624	-0.016	75.642	-0.016
75.666	-0.016	75.675	-0.020	75.695	-0.024	75.708	-0.011
75.722	-0.003	75.738	0.013	75.749	0.009	75.757	-0.003
75.763	-0.003	75.778	-0.002	75.788	-0.014	75.799	-0.026
75.810	-0.046	75.822	-0.037	75.837	-0.021	75.846	-0.025
75.861	-0.041	75.871	-0.029*	75.884	-0.021	75.896	-0.017
75.905	-0.013	75.915	-0.005	75.924	-0.001	75.934	-0.005
75.943	-0.017	75.949	-0.028	75.956	-0.020	75.963	-0.016

75.971	-0.012	75.979	-0.012	75.986	-0.012	75.997	-0.020
76.006	-0.024	76.016	-0.016	76.026	-0.012	76.042	-0.004
76.052	-0.000	76.062	0.008	76.072	0.008	76.081	0.012
76.089	0.016	76.098	0.012	76.108	-0.004	76.116	-0.028
76.127	-0.036	76.135	-0.048	76.142	-0.044	76.150	-0.048
76.158	-0.052	76.169	-0.048	76.175	-0.036	76.184	-0.032
76.191	-0.024	76.200	-0.016	76.210	-0.005	76.219	-0.001
76.231	-0.005	76.241	-0.001	76.252	-0.009	76.261	-0.017
76.270	-0.013	76.282	-0.009	76.290	-0.005	76.299	-0.009
76.312	-0.013	76.323	-0.021	76.333	-0.029	76.344	-0.037
76.353	-0.045	76.362	-0.037	76.369	-0.033	76.378	-0.025
76.386	-0.030	76.396	-0.038	76.405	-0.038	76.417	-0.038
76.428	-0.038	76.438	-0.042	76.449	-0.046	76.460	-0.046
76.472	-0.046	76.483	-0.030	76.494	-0.015	76.503	-0.015
76.520	-0.015	76.531	-0.007	76.543	-0.003	76.552	-0.007
76.563	-0.015	76.576	-0.011	76.588	-0.011	76.600	-0.011
76.618	-0.011	76.629	-0.031	76.639	-0.027	76.652	-0.019
76.664	-0.023	76.676	-0.011	76.689	-0.007	76.703	0.004
76.720	0.004	76.748	0.000	76.762	-0.004	76.776	-0.012
76.787	-0.016	76.799	-0.008	76.816	-0.012	76.828	-0.016
76.840	-0.008	76.851	-0.004	76.861	-0.008	76.873	-0.016
76.890	-0.020	76.907	-0.024	76.921	-0.024	76.940	-0.028
76.952	-0.032	76.969	-0.028	76.989	-0.044	77.003	-0.040
77.019	-0.032	77.033	-0.024	77.050	-0.020	77.064	-0.008
77.076	-0.004	77.086	0.000	77.101	-0.004	77.115	-0.008
77.129	-0.016	77.148	-0.012	77.169	-0.012	77.183	-0.016
77.198	-0.020	77.208	-0.028	77.221	-0.032	77.236	-0.024
77.249	-0.012	77.262	-0.004	77.276	-0.008	77.294	-0.024
77.308	-0.016	77.329	-0.036	77.345	-0.024	77.363	-0.016
77.381	-0.016	77.402	-0.008	77.416	-0.008	77.431	-0.020
77.450	-0.016	77.469	-0.016	77.489	-0.020	77.506	-0.016
77.524	-0.008	77.547	-0.008	77.563	-0.004	77.583	-0.001
77.603	0.019	77.625	0.023	77.646	0.011	77.669	0.003
77.683	-0.009	77.696	-0.025	77.706	-0.037	77.721	-0.026
77.737	-0.022	77.749	-0.018	77.768	-0.026	77.781	-0.022
77.797	-0.018	77.814	-0.015	77.842	-0.015	77.857	-0.023
77.874	-0.031	77.890	-0.023	77.910	-0.020	77.923	-0.008
77.938	0.004	77.949	0.008	77.969	-0.005	77.981	0.003
77.996	0.006	78.008	-0.002	78.022	-0.007	78.034	-0.015
78.047	-0.008	78.060	-0.000	78.071	-0.009	78.085	-0.021
78.098	-0.014	78.110	-0.010	78.127	-0.011	78.136	-0.019
78.149	-0.028	78.157	-0.028	78.170	-0.017	78.178	-0.013
78.190	-0.010	78.200	-0.010	78.213	-0.019	78.227	-0.011
78.237	-0.020	78.247	-0.032	78.262	-0.037	78.274	-0.033
78.291	-0.026	78.301	-0.027	78.313	-0.023	78.325	-0.024
78.336	-0.020	78.347	-0.017	78.361	-0.010	78.371	-0.014
78.385	-0.023	78.396	-0.015	78.413	-0.016	78.425	-0.024
78.437	-0.025	78.450	-0.030	78.462	-0.026	78.475	-0.023
78.490	-0.019	78.503	-0.016	78.518	-0.017	78.529	-0.021
78.542	-0.026	78.556	-0.022	78.571	-0.018	78.583	-0.022
78.595	-0.021	78.608	-0.021	78.621	-0.021	78.638	-0.013
78.650	-0.017	78.664	-0.025	78.681	-0.021	78.695	-0.021
78.707	-0.021	78.720	-0.033	78.735	-0.029	78.755	-0.017
78.767	-0.021	78.785	-0.021	78.804	-0.017	78.824	-0.025
78.840	-0.033	78.854	-0.041	78.870	-0.045	78.887	-0.037
78.903	-0.029	78.919	-0.025	78.936	-0.021	78.949	-0.013

78.964	-0.009	78.978	-0.004	78.994	-0.008	79.007	-0.016
79.021	-0.020	79.036	-0.012	79.053	-0.003	79.065	-0.015
79.082	-0.023	79.098	-0.015	79.111	-0.015	79.126	-0.026
79.139	-0.010	79.152	-0.006	79.166	-0.022	79.178	-0.014
79.194	-0.010	79.208	-0.017	79.220	-0.013	79.238	-0.013
79.256	-0.013	79.273	-0.017	79.282	-0.024	79.294	-0.032
79.309	-0.020	79.331	-0.008	79.346	0.000	79.363	0.004
79.384	0.004	79.401	-0.004	79.418	-0.016	79.445	-0.011
79.464	-0.015	79.481	-0.019	79.500	-0.023	79.512	-0.015
79.531	-0.007	79.555	-0.007	79.574	-0.003	79.591	-0.007
79.612	-0.019	79.635	-0.015	79.664	-0.007	79.690	-0.014
79.718	-0.014	79.752	-0.006	79.776	-0.010	79.791	-0.002
79.812	-0.001	79.845	-0.001	79.860	-0.001	79.882	-0.013
79.903	-0.021	79.921	-0.020	79.940	-0.020	79.960	-0.024
79.983	-0.016	79.997	-0.008	80.016	-0.004	80.035	-0.020
80.060	-0.020	80.077	-0.012	80.092	-0.008	80.110	-0.012
80.147	-0.012	80.165	-0.020	80.181	-0.020	80.197	-0.012
80.210	-0.008	80.226	-0.012	80.250	-0.020	80.270	-0.016
80.285	-0.016	80.299	-0.020	80.318	-0.008	80.335	-0.004
80.351	-0.008	80.368	-0.004	80.379	-0.016	80.410	-0.004
80.440	-0.020	80.474	-0.004	80.496	-0.012	80.519	0.000
80.540	-0.012	80.562	-0.004	80.601	-0.004	80.625	-0.012
80.643	-0.004	80.669	-0.004	80.683	0.004	80.696	0.012
80.710	-0.004	80.726	-0.012	80.748	-0.012	80.766	-0.020
80.786	-0.020	80.808	-0.016	80.833	-0.012	80.854	-0.012
80.873	-0.012	80.902	-0.009	80.931	-0.017	80.948	-0.017
80.965	-0.009	80.988	-0.009	81.000	-0.005	81.018	-0.013
81.049	-0.017	81.070	-0.021	81.098	-0.018	81.135	-0.018
81.155	-0.010	81.170	-0.006	81.188	-0.018	81.205	-0.010
81.218	-0.018	81.237	-0.022	81.262	-0.015	81.280	-0.015
81.303	-0.015	81.314	-0.011	81.337	-0.015	81.363	-0.015
81.390	-0.019	81.419	-0.003	81.439	-0.003	81.456	-0.003
81.481	-0.007	81.515	-0.007	81.558	-0.008	81.581	-0.012
81.612	-0.004	81.638	-0.004	81.653	-0.004	81.678	-0.016
81.698	-0.008	81.715	-0.008	81.737	-0.016	81.786	-0.016
81.822	-0.008	81.846	-0.004	81.869	-0.012	81.901	-0.008
81.936	-0.008	81.959	-0.004	81.974	-0.005	81.996	0.003
82.023	-0.005	82.055	-0.009	82.076	-0.005	82.101	-0.001
82.133	-0.001	82.161	-0.001	82.186	-0.001	82.209	-0.009
82.232	-0.013	82.252	-0.013	82.272	-0.005	82.293	0.002
82.314	0.006	82.332	-0.002	82.355	0.002	82.377	-0.006
82.396	-0.010	82.430	-0.006	82.448	-0.003	82.466	-0.003
82.483	0.001	82.502	0.005	82.521	0.001	82.540	-0.003
82.557	-0.015	82.576	-0.007	82.598	-0.011	82.623	-0.019
82.649	-0.008	82.674	-0.008	82.693	0.000	82.709	-0.012
82.731	-0.016	82.748	-0.016	82.769	-0.016	82.784	-0.012
82.808	-0.020	82.831	-0.016	82.858	-0.017	82.886	-0.017
82.902	-0.013	82.920	-0.009	82.938	-0.013	82.963	-0.013
82.979	-0.013	82.997	-0.009	83.015	-0.009	83.036	-0.013
83.054	-0.013	83.068	-0.021	83.083	-0.017	83.097	-0.010
83.114	-0.002	83.133	-0.010	83.151	-0.006	83.174	-0.002
83.199	-0.014	83.219	-0.013	83.249	-0.017	83.279	-0.009
83.300	-0.013	83.326	-0.017	83.351	-0.025	83.370	-0.020
83.396	-0.020	83.445	-0.020	83.486	-0.020	83.506	-0.020
83.527	-0.023	83.543	-0.023	83.563	-0.023	83.583	-0.019
83.615	-0.019	83.633	-0.019	83.652	-0.023	83.675	-0.026

83.695	-0.026	83.711	-0.026	83.729	-0.018	83.746	-0.018
83.763	-0.010	83.778	-0.021	83.796	-0.025	83.813	-0.025
83.829	-0.017	83.847	-0.016	83.861	-0.024	83.876	-0.032
83.890	-0.024	83.905	-0.012	83.923	-0.003	83.941	0.001
83.953	0.001	83.971	-0.027	83.985	-0.022	84.008	-0.014
84.027	-0.010	84.056	-0.029	84.082	-0.017	84.114	-0.009
84.142	-0.013	84.169	-0.024	84.180	-0.020	84.202	-0.008
84.235	-0.008	84.246	-0.016	84.265	-0.023	84.302	-0.023
84.330	0.001	84.357	-0.023	84.385	-0.002	84.411	-0.018
84.443	-0.014	84.466	-0.026	84.492	-0.009	84.512	-0.009
84.537	-0.005	84.553	-0.009	84.575	-0.001	84.604	-0.009
84.632	-0.009	84.655	-0.025	84.693	-0.013	84.743	-0.010
84.762	-0.022	84.795	0.006	84.818	-0.010	84.847	-0.022
84.890	-0.010	84.928	-0.018	84.989	-0.002	85.012	-0.010
85.038	-0.026	85.050	-0.014	85.075	-0.006	85.103	-0.018
85.141	-0.019	85.166	-0.007	85.198	-0.019	85.231	-0.020
85.259	-0.040	85.269	-0.028	85.297	-0.024	85.348	-0.028
85.356	-0.036	85.382	-0.021	85.396	-0.021	85.433	-0.033
85.448	-0.037	85.475	-0.021	85.488	-0.025	85.521	-0.029
85.550	-0.021	85.578	-0.029	85.603	-0.029	85.627	-0.009
85.653	-0.029	85.681	-0.009	85.710	-0.025	85.762	-0.021
85.814	-0.021	85.847	-0.012	85.889	-0.028	85.930	-0.008
*85.971	-0.028	86.004	-0.028	86.038	-0.024	86.065	-0.016
86.083	-0.012	86.105	-0.028	86.126	-0.028	86.146	-0.020
86.172	-0.016	86.211	-0.020	86.246	-0.020	86.317	-0.027
86.332	-0.030	86.351	-0.017	86.375	-0.031	86.389	-0.037
86.414	-0.014	86.430	-0.013	86.446	-0.020	86.472	-0.018
86.500	-0.013	86.519	-0.024	86.534	-0.024	86.551	-0.016
86.577	-0.009	86.585	-0.017	86.602	-0.009	86.621	-0.014
86.632	-0.022	86.648	-0.026	86.663	-0.027	86.687	-0.021
86.719	-0.027	86.742	-0.016	86.775	-0.025	86.805	-0.026
86.825	-0.023	86.845	-0.035	86.866	-0.035	86.882	-0.039
86.902	-0.027	86.920	-0.039	86.940	-0.023	86.957	-0.023
86.983	-0.028	87.000	-0.033	87.026	-0.034	87.055	-0.015
87.084	-0.024	87.106	-0.036	87.128	-0.025	87.143	-0.017
87.161	-0.030	87.182	-0.010	87.211	-0.030	87.237	-0.011
87.258	-0.023	87.286	-0.015	87.297	-0.015	87.310	-0.035
87.325	-0.036	87.335	-0.036	87.345	-0.020	87.356	-0.036
87.372	-0.040	87.390	-0.025	87.405	-0.045	87.428	-0.045
87.450	-0.045	87.469	-0.042	87.482	-0.026	87.499	-0.030
87.526	-0.031	87.548	-0.027	87.568	-0.032	87.589	-0.033
87.609	-0.033	87.620	-0.034	87.638	-0.046	87.654	-0.047
87.666	-0.031	87.692	-0.024	87.715	-0.025	87.735	-0.049
87.755	-0.038	87.772	-0.026	87.786	-0.033	87.801	-0.033
87.834	-0.029	87.873	-0.028	87.901	-0.021	87.924	-0.029
87.951	-0.029	87.971	-0.038	87.989	-0.030	88.009	-0.042
88.030	-0.023	88.054	-0.024	88.075	-0.029	88.096	-0.046
88.122	-0.027	88.160	-0.028	88.199	-0.036	88.228	-0.049
88.255	-0.025	88.285	-0.026	88.318	-0.018	88.351	-0.026
88.382	-0.046	88.402	-0.046	88.430	-0.035	88.460	-0.035
88.480	-0.035	88.500	-0.035	88.524	-0.027	88.544	-0.023
88.561	-0.039	88.576	-0.055	88.588	-0.055	88.600	-0.040
88.621	-0.024	88.651	-0.024	88.680	-0.033	88.696	-0.009
88.706	0.002	88.721	-0.018	88.735	-0.026	88.753	-0.010
88.779	-0.011	88.810	-0.024	88.849	-0.037	88.874	-0.038
88.887	-0.055	88.899	-0.071	88.916	-0.032	88.936	-0.017

88.950	-0.033	88.962	-0.073	88.983	-0.049	89.006	-0.034
89.035	-0.026	89.067	-0.019	89.091	-0.030	89.104	-0.042
89.121	-0.010	89.137	-0.014	89.157	-0.057	89.173	-0.073
89.192	-0.057	89.210	-0.037	89.230	-0.029	89.253	-0.048
89.262	-0.056	89.285	-0.036	89.308	-0.020	89.336	-0.020
89.346	-0.032	89.365	-0.004	89.377	-0.004	89.395	-0.032
89.410	-0.032	89.425	-0.016	89.445	-0.008	89.462	-0.008
89.477	-0.028	89.502	-0.052	89.519	-0.032	89.533	-0.024
89.554	-0.056	89.573	-0.049	89.597	-0.009	89.620	-0.005
89.642	-0.017	89.661	-0.052	89.674	-0.052	89.694	-0.020
89.725	0.008	89.754	0.016	89.783	-0.008	89.801	-0.043
89.822	-0.015	89.839	-0.019	89.855	-0.051	89.884	-0.028
89.905	0.007	89.924	-0.013	89.946	-0.014	89.968	-0.011
89.992	-0.028	90.023	-0.028	90.048	-0.052	90.080	-0.013
90.097	-0.009	90.125	-0.022	90.141	-0.022	90.157	0.002
90.178	-0.025	90.203	-0.013	90.226	-0.029	90.243	-0.037
90.273	-0.025	90.300	-0.009	90.326	-0.018	90.362	-0.018
90.389	-0.003	90.398	0.013	90.423	0.001	90.451	-0.015
90.486	-0.027	90.516	-0.012	90.541	-0.016	90.568	-0.016
90.582	0.004	90.598	0.004	90.608	-0.012	90.626	-0.013
90.637	-0.005	90.655	-0.021	90.676	-0.021	90.700	-0.002
90.710	-0.006	90.730	-0.038	90.764	-0.031	90.792	-0.012
90.814	-0.009	90.837	-0.038	90.873	-0.028	90.902	-0.029
90.930	-0.030	90.954	-0.015	90.975	-0.035	90.996	-0.048
91.039	-0.044	91.074	-0.036	91.099	-0.028	91.125	-0.051
91.158	-0.035	91.186	-0.035	91.211	-0.030	91.232	-0.042
91.270	-0.042	91.307	-0.041	91.349	-0.013	91.375	-0.025
91.402	-0.029	91.431	-0.025	91.456	-0.037	91.473	-0.037
91.510	-0.018	91.536	-0.026	91.557	-0.018	91.579	-0.034
91.608	-0.034	91.648	-0.035	91.664	-0.046	91.689	-0.023
91.705	-0.011	91.731	-0.019	91.761	-0.019	91.794	-0.031
91.823	-0.031	91.857	-0.030	91.874	-0.030	91.888	-0.014
91.912	-0.013	91.948	-0.028	91.979	-0.032	92.001	-0.015
92.042	-0.018	92.076	-0.018	92.116	-0.021	92.149	-0.021
92.190	-0.012	92.220	-0.016	92.259	-0.020	92.301	-0.020
92.319	-0.021	92.353	-0.021	92.399	-0.014	92.452	-0.022
92.491	-0.022	92.505	-0.034	92.532	-0.023	92.578	-0.015
92.616	-0.014	92.641	-0.022	92.674	-0.021	92.713	-0.032
92.752	-0.031	92.777	-0.011	92.815	-0.023	92.863	-0.023
92.901	-0.023	92.930	-0.028	92.980	-0.029	93.025	-0.022
93.069	-0.021	93.100	-0.021	93.120	-0.028	93.136	-0.044
93.153	-0.032	93.187	-0.023	93.226	-0.018	93.275	-0.017
93.303	-0.032	93.330	-0.033	93.353	-0.021	93.379	-0.022
93.394	-0.035	93.425	-0.028	93.468	-0.021	93.502	-0.031
93.531	-0.024	93.555	-0.025	93.576	-0.033	93.591	-0.034
93.614	-0.023	93.620	-0.027	93.644	-0.039	93.676	-0.035
93.710	-0.036	93.737	-0.036	93.759	-0.020	93.783	-0.032
93.822	-0.033	93.870	-0.032	93.899	-0.032	93.935	-0.028
93.950	-0.016	93.986	-0.027	94.029	-0.026	94.076	-0.025
94.107	-0.025	94.155	-0.024	94.187	-0.024	94.225	-0.027
94.270	-0.023	94.295	-0.023	94.339	-0.035	94.363	-0.035
94.406	-0.019	94.443	-0.028	94.504	-0.028	94.568	-0.030
94.613	-0.034	94.671	-0.046	94.729	-0.034	94.810	-0.040
94.862	-0.035	94.903	-0.030	94.934	-0.037	94.960	-0.017
95.004	-0.032	95.038	-0.032	95.063	-0.039	95.105	-0.019
95.146	-0.026	95.175	-0.033	95.223	-0.029	95.287	-0.024

95.322	-0.016	95.363	-0.036	95.413	-0.036	95.460	-0.041
95.509	-0.041	95.562	-0.025	95.599	-0.038	95.658	-0.033
95.743	-0.029	95.804	-0.029	95.858	-0.032	95.918	-0.028
96.006	-0.030	96.137	-0.026	96.205	-0.031	96.294	-0.028
96.381	-0.026	96.446	-0.025	96.538	-0.016	96.622	-0.027
96.715	-0.015	96.774	-0.014	96.790	-0.033	96.831	-0.021
96.898	-0.000	96.951	-0.012	96.996	-0.039	97.068	-0.031
97.159	-0.031	97.237	-0.033	97.304	-0.038	97.359	-0.053
97.428	-0.029	97.490	-0.025	97.531	-0.024	97.552	-0.032
97.570	-0.032						

IG110
71.032 2/9/71 0600 PST PASADENA, J.P.L., BSMT. SC8W

5365 POINTS 97.625 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1164 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.049	0.006	-0.061	0.019	-0.013	0.024	-0.001
0.041	-0.049	0.058	0.082	0.067	0.122	0.073	0.110
0.090	-0.009	0.098	-0.037	0.103	-0.037	0.119	0.083
0.128	0.118	0.139	0.075	0.149	0.055	0.165	0.071
0.172	0.039	0.184	-0.016	0.199	-0.183	0.208	-0.223
0.215	-0.203	0.240	-0.096	0.246	-0.076	0.251	-0.088
0.270	-0.139	0.276	-0.119	0.291	0.016	0.298	0.048
0.303	0.036	0.318	0.020	0.339	0.171	0.347	0.191
0.351	0.163	0.373	-0.035	0.398	-0.003	0.410	-0.095
0.424	-0.170	0.430	-0.182	0.436	-0.134	0.451	-0.059
0.457	-0.055	0.477	-0.134	0.486	-0.110	0.504	-0.034
0.527	0.121	0.535	0.137	0.552	0.097	0.567	0.117
0.575	0.101	0.587	0.018	0.593	-0.006	0.613	-0.022
0.626	-0.006	0.646	-0.046	0.658	-0.038	0.678	-0.085
0.685	-0.073	0.703	0.042	0.711	0.066	0.717	0.042
0.729	-0.029	0.735	-0.045	0.740	-0.017	0.760	0.145
0.765	0.189	0.771	0.141	0.791	-0.022	0.797	-0.053
0.804	-0.049	0.839	-0.006	0.845	0.002	0.853	-0.030
0.866	-0.097	0.872	-0.109	0.877	-0.077	0.889	0.058
0.896	0.082	0.901	0.050	0.915	-0.069	0.926	-0.101
0.933	-0.070	0.943	0.050	0.951	0.081	0.955	0.054
0.967	-0.054	0.974	-0.093	0.983	-0.082	0.998	-0.058
1.006	-0.014	1.017	0.117	1.023	0.161	1.026	0.129
1.035	0.069	1.043	0.057	1.052	0.046	1.058	0.018
1.070	-0.022	1.084	0.049	1.094	0.073	1.108	0.053
1.120	-0.002	1.135	-0.133	1.142	-0.173	1.152	-0.161
1.167	-0.157	1.181	-0.034	1.188	-0.010	1.201	0.013
1.216	0.073	1.225	0.061	1.237	0.041	1.250	0.065
1.267	0.069	1.280	0.121	1.293	0.025	1.305	-0.019
1.311	0.009	1.324	0.081	1.332	0.101	1.338	0.069
1.346	0.009	1.355	-0.106	1.365	-0.162	1.384	0.029
1.388	0.057	1.402	-0.070	1.415	-0.170	1.423	-0.190
1.438	-0.122	1.455	-0.237	1.461	-0.229	1.482	-0.051
1.505	-0.237	1.517	-0.301	1.523	-0.301	1.538	-0.226
1.550	-0.091	1.572	0.045	1.577	0.045	1.597	-0.051
1.606	-0.019	1.622	0.108	1.631	0.136	1.646	0.160
1.660	0.172	1.680	0.096	1.691	0.164	1.700	0.191
1.708	0.207	1.715	0.171	1.732	-0.019	1.743	-0.139
1.754	-0.174	1.763	-0.135	1.781	0.040	1.787	0.100
1.793	0.108	1.799	0.080	1.812	-0.040	1.817	-0.079
1.823	-0.083	1.837	-0.052	1.841	-0.044	1.846	-0.060
1.857	-0.115	1.862	-0.119	1.874	0.036	1.885	0.290
1.893	0.417	1.897	0.433	1.902	0.385	1.915	0.282
1.920	0.310	1.937	0.512	1.945	0.564	1.952	0.524
1.970	0.325	1.985	0.194	1.994	0.091	2.002	0.059
2.018	0.126	2.028	0.110	2.039	-0.025	2.051	-0.231
2.059	-0.390	2.067	-0.474	2.073	-0.470	2.090	-0.287
2.095	-0.279	2.105	-0.415	2.115	-0.574	2.121	-0.593
2.125	-0.550	2.137	-0.367	2.145	-0.327	2.157	-0.375
2.162	-0.331	2.185	0.300	2.195	0.467	2.208	0.566
2.213	0.574	2.219	0.523	2.229	0.324	2.239	0.038
2.251	-0.225	2.263	-0.316	2.272	-0.256	2.288	-0.058
2.298	-0.149	2.320	-0.889	2.331	-1.091	2.337	-1.092
2.349	-0.893	2.370	-0.416	2.389	0.017	2.412	0.092
2.429	0.374	2.438	0.441	2.447	0.382	2.458	0.246
2.464	0.246	2.479	0.346	2.485	0.365	2.493	0.294
2.516	-0.243	2.525	-0.346	2.537	-0.422	2.551	-0.247
2.564	-0.037	2.569	0.023	2.579	-0.053	2.594	-0.279
2.598	-0.295	2.602	-0.232	2.621	0.165	2.631	0.082
2.647	-0.252	2.657	-0.097	2.672	0.324	2.677	0.379
2.685	0.300	2.702	-0.070	2.705	-0.086	2.711	0.017
2.734	0.741	2.740	0.887	2.746	0.919	2.755	0.832
2.767	0.609	2.781	0.347	2.787	0.315	2.800	0.406
2.809	0.311	2.828	-0.461	2.838	-0.743	2.850	-0.878
2.858	-0.759	2.876	-0.445	2.892	-0.302	2.908	-0.120
2.915	-0.120	2.928	-0.175	2.934	-0.108	2.956	0.420
2.965	0.528	2.975	0.337	2.984	-0.021	2.993	-0.275
3.003	-0.029	3.014	0.531	3.023	0.893	3.032	0.750
3.046	0.030	3.052	-0.184	3.059	-0.280	3.076	-0.117
3.085	-0.153	3.102	-0.268	3.108	-0.252	3.133	0.050
3.143	0.137	3.159	0.086	3.175	0.296	3.181	0.272
3.198	0.010	3.207	-0.050	3.219	0.133	3.231	0.284
3.238	0.284	3.252	0.149	3.264	0.125	3.279	0.037
3.288	-0.134	3.300	-0.348	3.310	-0.420	3.312	-0.400
3.330	-0.277	3.335	-0.233	3.346	-0.360	3.359	-0.488
3.382	-0.218	3.391	-0.202	3.424	-0.397	3.437	-0.448
3.449	-0.337	3.463	-0.174	3.484	-0.365	3.505	0.231
3.512	0.279	3.526	0.008	3.538	-0.087	3.552	-0.043
3.561	0.036	3.570	-0.147	3.581	-0.465	3.592	-0.576
3.616	-0.095	3.626	-0.036	3.632	-0.119	3.654	-0.485

3.675	-0.552	3.693	-0.091	3.707	0.147	3.730	-0.326
3.749	0.302	3.757	0.540	3.769	0.727	3.782	0.489
3.799	0.175	3.816	0.469	3.836	0.854	3.843	0.830
3.857	0.548	3.865	0.365	3.876	0.290	3.891	0.397
3.899	0.286	3.914	-0.088	3.922	-0.151	3.929	-0.064
3.945	0.385	3.957	0.472	3.974	0.234	3.983	0.178
3.992	0.274	4.011	0.603	4.023	0.683	4.042	0.766
4.058	0.655	4.075	0.567	4.093	0.281	4.100	0.193
4.105	0.182	4.116	0.305	4.127	0.130	4.142	-0.375
4.154	-0.534	4.165	-0.550	4.174	-0.459	4.194	-0.510
4.201	-0.499	4.227	-0.014	4.243	0.022	4.254	0.081
4.280	0.622	4.286	0.685	4.301	0.582	4.315	0.248
4.324	0.176	4.341	0.391	4.357	0.105	4.378	-0.694
4.388	-0.869	4.409	-0.981	4.432	-0.826	4.459	-0.838
4.477	-0.925	4.490	-1.001	4.503	-0.798	4.513	-0.644
4.526	-0.536	4.561	-0.135	4.572	-0.072	4.587	-0.068
4.599	0.044	4.608	0.322	4.619	0.660	4.623	0.715
4.647	-0.032	4.653	-0.060	4.675	0.683	4.680	0.699
4.686	0.596	4.705	-0.147	4.718	-0.354	4.733	-0.243
4.754	-0.600	4.764	-0.422	4.778	0.397	4.787	0.699
4.814	-0.159	4.847	0.686	4.853	0.806	4.873	0.289
4.879	0.254	4.894	0.409	4.904	0.250	4.928	-0.593
4.939	-0.728	4.960	-0.434	4.972	-0.478	4.987	0.031
4.999	0.476	5.011	0.659	5.018	0.528	5.041	-0.239
5.047	-0.322	5.073	0.154	5.079	0.166	5.092	0.055
5.105	-0.151	5.125	-0.247	5.133	-0.358	5.143	-0.740
5.156	-1.359	5.165	-1.598	5.178	-1.304	5.195	-0.636
5.204	-0.358	5.226	-0.731	5.229	-0.791	5.244	-0.461
5.259	-0.000	5.272	0.159	5.278	0.131	5.302	0.719
5.309	0.763	5.329	0.481	5.336	0.409	5.364	1.041
5.375	0.918	5.393	0.409	5.401	0.366	5.409	0.405
5.421	0.290	5.451	-0.489	5.455	-0.516	5.473	-0.286
5.490	-0.361	5.510	0.108	5.520	0.020	5.544	-0.401
5.567	0.108	5.578	0.263	5.590	0.223	5.603	0.235
5.611	0.128	5.630	-0.322	5.638	-0.282	5.668	0.135
5.687	0.529	5.701	0.580	5.711	0.425	5.717	0.358
5.740	0.831	5.750	0.882	5.763	0.755	5.783	0.481
5.792	0.362	5.807	0.159	5.814	0.131	5.835	0.274
5.844	0.191	5.857	-0.107	5.872	-0.378	5.881	-0.461
5.902	-0.334	5.914	-0.306	5.919	-0.354	5.936	-0.513
5.943	-0.541	5.951	-0.453	5.959	-0.223	5.969	0.222
5.979	0.433	5.996	0.433	6.005	0.504	6.020	0.620
6.030	0.671	6.044	0.596	6.068	0.290	6.089	0.218
6.098	0.115	6.123	-0.469	6.131	-0.533	6.154	-0.593
6.166	-0.394	6.180	0.099	6.190	0.337	6.196	0.290
6.213	0.007	6.222	-0.112	6.249	-0.096	6.260	-0.167
6.283	-0.676	6.294	-0.736	6.315	-0.466	6.331	-0.414
6.343	-0.343	6.362	-0.013	6.372	0.027	6.382	-0.073
6.392	-0.236	6.401	-0.315	6.409	-0.244	6.436	0.193
6.450	0.277	6.458	0.229	6.473	0.046	6.498	0.002
6.504	0.014	6.522	0.229	6.532	0.284	6.548	0.252
6.564	0.308	6.569	0.332	6.587	0.217	6.599	0.216
6.611	0.459	6.617	0.546	6.624	0.514	6.644	0.268
6.651	0.196	6.662	0.204	6.674	0.268	6.685	0.363
6.695	0.268	6.716	-0.277	6.725	-0.340	6.733	-0.209
6.748	0.089	6.754	0.136	6.761	0.061	6.777	-0.305

6.784	-0.341	6.790	-0.297	6.805	-0.202	6.810	-0.190
6.820	-0.277	6.843	-0.619	6.855	-0.766	6.870	-0.822
6.881	-0.766	6.899	-0.572	6.932	0.020	6.938	0.076
6.946	0.000	6.963	-0.211	6.974	-0.242	6.994	-0.004
7.000	0.012	7.006	-0.068	7.022	-0.430	7.031	-0.465
7.038	-0.386	7.055	0.003	7.064	0.051	7.082	-0.136
7.092	-0.196	7.096	-0.148	7.111	0.051	7.117	0.086
7.125	0.027	7.140	-0.176	7.145	-0.176	7.165	0.126
7.174	0.185	7.190	0.054	7.206	0.018	7.241	-0.324
7.254	-0.411	7.271	-0.316	7.290	-0.030	7.298	-0.117
7.318	-0.320	7.325	-0.288	7.345	0.160	7.354	0.284
7.361	0.319	7.366	0.276	7.389	0.049	7.412	0.347
7.419	0.351	7.427	0.283	7.447	-0.011	7.456	-0.051
7.462	0.009	7.476	0.247	7.483	0.275	7.492	0.199
7.501	-0.055	7.509	-0.210	7.517	-0.302	7.526	-0.234
7.543	0.127	7.557	0.199	7.569	0.088	7.583	-0.151
7.597	-0.227	7.607	-0.143	7.616	0.012	7.623	0.071
7.628	0.008	7.642	-0.239	7.649	-0.330	7.658	-0.294
7.676	-0.036	7.686	0.023	7.697	-0.072	7.712	-0.255
7.726	-0.295	7.735	-0.191	7.749	0.146	7.757	0.226
7.764	0.158	7.776	0.094	7.778	0.078	7.783	0.182
7.799	0.428	7.810	0.519	7.822	0.464	7.840	0.376
7.863	0.344	7.876	0.265	7.896	0.054	7.916	-0.169
7.927	-0.216	7.941	-0.149	7.956	-0.304	7.973	-0.761
7.987	-0.809	8.009	-0.781	8.019	-0.718	8.026	-0.551
8.048	0.089	8.059	0.331	8.069	0.431	8.092	0.212
8.101	0.323	8.123	0.852	8.126	0.856	8.136	0.673
8.152	0.283	8.162	0.247	8.179	0.390	8.186	0.315
8.206	-0.087	8.215	-0.182	8.223	-0.134	8.240	-0.003
8.255	-0.079	8.273	-0.258	8.277	-0.266	8.287	-0.206
8.295	-0.143	8.304	-0.119	8.312	-0.087	8.326	-0.028
8.336	-0.020	8.343	-0.059	8.363	-0.207	8.388	-0.346
8.410	-0.155	8.416	-0.135	8.432	-0.187	8.444	-0.116
8.469	0.306	8.473	0.349	8.490	0.250	8.507	0.166
8.521	0.083	8.543	0.031	8.552	-0.056	8.567	-0.275
8.575	-0.319	8.583	-0.338	8.597	-0.271	8.603	-0.291
8.616	-0.382	8.623	-0.402	8.633	-0.370	8.661	-0.080
8.667	-0.021	8.686	-0.112	8.703	0.023	8.707	0.015
8.719	-0.041	8.738	-0.088	8.762	-0.045	8.766	-0.045
8.787	0.031	8.799	0.058	8.819	0.035	8.840	0.146
8.852	0.058	8.867	-0.109	8.876	-0.144	8.890	-0.113
8.904	-0.053	8.931	0.185	8.944	0.241	8.958	0.153
8.976	-0.033	8.985	-0.101	9.003	-0.168	9.011	-0.164
9.029	-0.061	9.033	-0.061	9.049	-0.141	9.056	-0.157
9.067	-0.077	9.083	0.161	9.090	0.201	9.098	0.165
9.101	0.146	9.110	0.054	9.118	0.026	9.142	-0.017
9.150	0.054	9.171	0.451	9.178	0.495	9.186	0.432
9.198	0.221	9.206	0.110	9.212	0.074	9.218	0.102
9.232	0.289	9.238	0.336	9.244	0.300	9.259	0.153
9.265	0.146	9.282	0.205	9.301	0.173	9.310	0.205
9.324	0.308	9.333	0.336	9.339	0.312	9.355	0.241
9.381	0.122	9.395	0.078	9.402	0.134	9.418	0.304
9.428	0.344	9.438	0.265	9.452	0.118	9.462	0.062
9.474	0.026	9.491	0.125	9.509	-0.042	9.531	-0.081
9.541	-0.141	9.554	-0.276	9.563	-0.304	9.583	-0.070
9.591	-0.022	9.600	-0.066	9.611	-0.125	9.629	-0.161

9.645	-0.241	9.654	-0.261	9.662	-0.237	9.683	-0.177
9.692	-0.197	9.710	-0.376	9.722	-0.388	9.745	-0.134
9.764	-0.071	9.776	-0.023	9.797	0.303	9.813	0.394
9.842	0.569	9.853	0.557	9.870	0.485	9.889	0.421
9.907	0.214	9.927	-0.040	9.945	-0.255	9.956	-0.271
9.972	-0.239	9.988	-0.235	10.000	-0.208	10.015	-0.279
10.023	-0.275	10.034	-0.168	10.053	0.146	10.063	0.209
10.077	0.225	10.094	0.340	10.102	0.360	10.109	0.316
10.136	-0.054	10.143	-0.106	10.160	-0.078	10.169	-0.130
10.188	-0.329	10.199	-0.360	10.207	-0.341	10.234	0.048
10.247	0.124	10.269	0.124	10.290	0.278	10.302	0.318
10.320	0.139	10.343	-0.219	10.352	-0.318	10.360	-0.315
10.368	-0.287	10.378	-0.208	10.386	-0.204	10.394	-0.267
10.413	-0.486	10.420	-0.530	10.428	-0.474	10.442	-0.268
10.450	-0.197	10.469	-0.249	10.477	-0.221	10.497	0.029
10.505	0.077	10.526	0.017	10.533	0.041	10.538	0.096
10.550	0.354	10.555	0.414	10.563	0.453	10.568	0.406
10.581	0.191	10.586	0.135	10.604	0.103	10.618	0.003
10.624	-0.021	*10.637	0.022	10.646	0.034	10.668	0.021
10.673	-0.010	10.685	-0.086	10.694	-0.114	10.701	-0.095
10.742	0.123	10.750	0.143	10.756	0.135	10.773	0.079
10.778	0.063	10.784	0.071	10.794	0.087	10.802	0.083
10.811	0.055	10.819	0.007	10.838	-0.156	10.846	-0.215
10.852	-0.235	10.858	-0.211	10.873	-0.104	10.888	-0.025
10.906	0.094	10.915	0.130	10.937	0.102	10.964	0.130
10.975	0.114	10.985	0.070	11.000	-0.065	11.009	-0.093
11.026	-0.057	11.032	-0.109	11.047	-0.256	11.055	-0.280
11.077	0.054	11.083	0.109	11.089	0.038	11.104	-0.221
11.113	-0.264	11.136	0.010	11.140	0.033	11.162	-0.058
11.181	0.017	11.203	0.220	11.211	0.228	11.220	0.144
11.236	-0.011	11.246	-0.043	11.269	0.168	11.276	0.204
11.287	0.156	11.306	-0.043	11.318	-0.099	11.323	-0.067
11.341	0.112	11.347	0.140	11.361	0.060	11.368	0.064
11.381	0.100	11.390	0.080	11.404	-0.048	11.415	-0.095
11.422	-0.060	11.436	0.063	11.444	0.083	11.460	-0.040
11.482	-0.116	11.501	-0.183	11.518	-0.140	11.528	-0.136
11.538	-0.184	11.552	-0.351	11.562	-0.406	11.570	-0.359
11.583	-0.259	11.590	-0.236	11.609	-0.319	11.618	-0.307
11.654	-0.240	11.678	-0.002	11.693	0.090	11.706	0.117
11.724	0.089	11.740	0.137	11.749	0.105	11.770	-0.054
11.790	-0.122	11.816	-0.245	11.824	-0.221	11.848	-0.118
11.865	-0.107	11.883	-0.015	11.898	0.028	11.923	0.302
11.930	0.326	11.941	0.270	11.958	0.147	11.977	0.226
12.001	0.083	12.023	0.063	12.034	-0.032	12.053	-0.291
12.059	-0.307	12.076	-0.215	12.082	-0.219	12.105	-0.303
12.114	-0.255	12.140	0.007	12.148	0.042	12.156	0.018
12.174	-0.061	12.180	-0.053	12.201	0.181	12.209	0.217
12.231	0.054	12.252	0.157	12.260	0.169	12.272	0.069
12.287	-0.086	12.296	-0.126	12.313	0.017	12.325	0.053
12.332	0.001	12.344	-0.098	12.354	-0.130	12.363	-0.074
12.381	0.084	12.406	0.136	12.423	0.172	12.432	0.152
12.453	0.104	12.473	0.131	12.489	0.115	12.498	0.111
12.517	0.060	12.536	0.091	12.568	-0.108	12.583	-0.147
12.592	-0.108	12.608	-0.001	12.613	-0.005	12.629	-0.084
12.640	-0.116	12.653	-0.104	12.673	-0.156	12.694	-0.108
12.706	-0.073	12.730	0.098	12.744	0.142	12.768	0.082

12.789	0.169	12.815	-0.022	12.824	-0.066	12.839	-0.070
12.855	-0.113	12.867	-0.098	12.881	-0.018	12.900	0.157
12.908	0.192	12.916	0.149	12.930	0.037	12.935	0.053
12.955	0.196	12.964	0.248	12.975	0.200	12.993	-0.027
13.006	-0.098	13.023	-0.055	13.046	-0.067	13.077	0.136
13.106	0.255	13.127	0.326	13.137	0.318	13.163	0.139
13.172	0.111	13.190	0.151	13.197	0.127	13.212	-0.008
13.221	-0.064	13.239	0.032	13.245	0.020	13.267	-0.088
13.281	-0.132	13.303	-0.048	13.315	-0.060	13.340	-0.088
13.362	-0.152	13.387	-0.076	13.394	-0.029	13.414	0.118
13.419	0.138	13.440	0.027	13.446	0.042	13.473	0.301
13.481	0.312	13.510	0.185	13.532	0.034	13.544	0.002
13.562	-0.026	13.573	-0.070	13.593	-0.161	13.605	-0.177
13.635	-0.114	13.655	-0.082	13.670	-0.018	13.678	-0.015
13.698	-0.106	13.706	-0.118	13.712	-0.070	13.735	0.056
13.747	0.112	13.753	0.092	13.770	-0.024	13.779	-0.048
13.794	-0.036	13.809	-0.048	13.828	-0.021	13.836	-0.053
13.854	-0.137	13.864	-0.153	13.884	-0.133	13.905	-0.177
13.914	-0.154	13.938	-0.039	13.947	-0.011	13.969	-0.024
13.980	0.008	13.996	0.083	14.013	0.098	14.023	0.078
14.053	-0.002	14.064	-0.031	14.083	0.017	14.092	-0.003
14.109	-0.155	14.121	-0.227	14.148	-0.005	14.161	0.047
14.181	0.066	14.200	0.129	14.216	0.145	14.231	0.125
14.249	0.013	14.268	-0.019	14.291	-0.103	14.299	-0.123
14.321	-0.116	14.330	-0.156	14.345	-0.259	14.356	-0.291
14.366	-0.240	14.385	-0.069	14.400	-0.018	14.415	0.006
14.435	-0.050	14.443	-0.042	14.463	0.081	14.472	0.073
14.490	-0.022	14.499	-0.042	14.518	0.049	14.526	0.065
14.538	0.045	14.549	0.033	14.577	0.136	14.588	0.136
14.612	0.084	14.621	0.084	14.636	0.095	14.647	0.067
14.666	-0.000	14.685	-0.028	14.696	-0.064	14.715	-0.183
14.734	-0.124	14.743	-0.152	14.760	-0.235	14.766	-0.235
14.791	-0.108	14.816	0.011	14.838	0.062	14.856	0.154
14.867	0.114	14.888	-0.033	14.899	-0.073	14.916	0.022
14.923	0.006	14.942	-0.057	14.951	-0.049	14.972	0.078
14.982	0.097	14.999	0.034	15.009	0.018	15.042	0.049
15.069	0.188	15.081	0.169	15.102	0.113	15.122	0.172
15.132	0.152	15.149	0.069	15.170	-0.051	15.208	-0.182
15.215	-0.186	15.239	-0.039	15.248	-0.019	15.263	-0.043
15.284	0.024	15.307	-0.063	15.329	0.040	15.336	0.044
15.363	-0.131	15.373	-0.135	15.415	0.035	15.430	0.087
15.438	0.075	15.460	0.039	15.485	0.078	15.494	0.039
15.513	-0.045	15.552	-0.093	15.569	-0.073	15.587	-0.101
15.611	0.006	15.630	0.058	15.654	0.173	15.668	0.189
15.679	0.169	15.702	0.033	15.714	0.001	15.737	0.069
15.744	0.065	15.762	0.021	15.789	0.053	15.810	0.084
15.833	0.044	15.850	-0.003	15.865	-0.083	15.876	-0.115
15.887	-0.083	15.902	-0.020	15.923	0.020	15.947	0.155
15.958	0.183	15.967	0.147	15.984	0.016	15.992	-0.004
15.999	0.027	16.012	0.103	16.020	0.123	16.027	0.087
16.044	0.007	16.051	0.003	16.059	0.039	16.076	0.134
16.085	0.150	16.091	0.130	16.120	0.027	16.135	-0.005
16.157	0.043	16.164	0.027	16.186	-0.033	16.198	-0.045
16.205	-0.021	16.225	0.011	16.244	-0.009	16.256	0.019
16.276	0.074	16.294	0.050	16.313	0.078	16.323	0.039
16.342	-0.061	16.360	-0.105	16.378	-0.152	16.392	-0.168

16.416	-0.089	16.439	-0.073	16.462	-0.061	16.473	-0.021
16.486	0.010	16.495	-0.029	16.508	-0.069	16.517	-0.057
16.532	0.018	16.542	0.034	16.548	0.002	16.564	-0.069
16.573	-0.085	16.587	-0.006	16.600	0.042	16.611	0.014
16.626	-0.006	16.641	0.050	16.657	0.109	16.665	0.129
16.672	0.105	16.694	-0.006	16.709	-0.050	16.719	-0.038
16.734	-0.018	16.743	-0.062	16.759	-0.117	16.781	-0.090
16.803	-0.117	16.815	-0.082	16.845	0.018	16.872	0.049
16.882	0.010	16.903	-0.090	16.915	-0.110	16.930	-0.062
16.950	-0.014	16.966	-0.022	16.995	-0.082	17.021	-0.050
17.048	-0.066	17.066	0.009	17.079	0.029	17.102	-0.059
17.131	-0.043	17.167	-0.115	17.179	-0.123	17.186	-0.103
17.215	-0.011	17.234	0.012	17.261	-0.024	17.293	0.036
17.312	0.103	17.323	0.123	17.332	0.103	17.354	0.048
17.364	0.048	17.382	0.071	17.389	0.044	17.407	-0.032
17.432	-0.040	17.448	-0.056	17.470	0.015	17.479	0.039
17.497	0.023	17.522	0.059	17.553	0.023	17.565	0.011
17.589	0.047	17.595	0.035	17.625	-0.069	17.637	-0.073
17.639	-0.057	17.657	0.003	17.666	0.015	17.672	0.003
17.688	-0.025	17.704	0.018	17.716	0.050	17.747	0.046
17.756	0.058	17.773	0.125	17.780	0.141	17.788	0.093
17.809	-0.074	17.820	-0.113	17.843	-0.121	17.853	-0.137
17.867	-0.157	17.880	-0.133	17.923	-0.082	17.940	-0.066
17.958	-0.007	17.970	0.009	17.978	-0.007	18.002	-0.075
18.009	-0.063	18.024	-0.003	18.033	0.025	18.043	-0.015
18.062	-0.111	18.075	-0.123	18.101	0.036	18.120	0.028
18.135	0.012	18.170	0.012	18.193	-0.052	18.214	-0.021
18.232	-0.033	18.251	0.031	18.259	0.027	18.280	-0.037
18.287	-0.029	18.309	0.022	18.346	0.058	18.363	0.062
18.386	0.113	18.404	0.153	18.413	0.153	18.426	0.129
18.446	0.077	18.470	0.065	18.481	0.025	18.500	-0.063
18.510	-0.083	18.528	-0.063	18.547	-0.091	18.561	-0.059
18.578	0.020	18.598	0.099	18.611	0.091	18.627	0.067
18.651	0.079	18.662	0.051	18.684	0.015	18.710	-0.025
18.721	0.003	18.747	0.058	18.756	0.046	18.777	0.010
18.790	0.022	18.817	0.058	18.837	0.069	18.845	0.049
18.870	-0.010	18.889	0.001	18.909	0.025	18.928	0.013
18.948	0.041	18.967	0.021	18.991	-0.011	19.000	-0.008
19.023	0.028	19.042	0.068	19.059	0.107	19.084	0.083
19.102	0.091	19.113	0.075	19.137	0.003	19.170	-0.045
19.182	-0.013	19.204	0.062	19.227	-0.006	19.236	0.006
19.264	0.097	19.278	0.109	19.290	0.081	19.305	0.030
19.321	-0.070	19.330	-0.090	19.349	-0.082	19.368	-0.110
19.382	-0.063	19.395	-0.011	19.407	-0.003	19.414	-0.027
19.430	-0.063	19.436	-0.075	19.446	-0.047	19.462	0.004
19.471	0.020	19.480	-0.000	19.496	-0.028	19.524	-0.032
19.542	-0.032	19.559	-0.005	19.573	0.015	19.585	0.007
19.602	-0.021	19.612	-0.029	19.637	-0.002	19.658	-0.022
19.676	-0.006	19.698	0.033	19.718	0.081	19.730	0.069
19.747	0.029	19.758	0.041	19.773	0.068	19.781	0.068
19.805	-0.027	19.816	-0.047	19.827	-0.016	19.845	0.052
19.873	0.091	19.886	0.107	19.905	0.095	19.922	0.087
19.934	0.059	19.955	-0.017	19.969	-0.033	19.990	0.002
20.014	0.018	20.025	0.062	20.040	0.105	20.048	0.113
20.055	0.089	20.077	-0.034	20.086	-0.054	20.109	-0.011
20.132	0.013	20.153	0.056	20.165	0.044	20.186	0.008

20.195	0.016	20.220	0.095	20.230	0.103	20.249	0.048
20.257	0.047	20.275	0.103	20.286	0.111	20.293	0.095
20.308	0.055	20.318	0.031	20.338	0.015	20.354	-0.013
20.373	-0.069	20.389	-0.112	20.398	-0.128	20.421	-0.113
20.445	-0.097	20.453	-0.061	20.473	0.022	20.484	0.038
20.490	0.018	20.516	-0.045	20.534	-0.065	20.548	-0.065
20.563	-0.057	20.589	-0.002	20.601	0.010	20.610	0.002
20.626	-0.065	20.638	-0.085	20.652	-0.077	20.660	-0.097
20.675	-0.168	20.684	-0.192	20.690	-0.180	20.711	-0.097
20.729	-0.061	20.747	0.002	20.768	0.070	20.784	0.094
20.794	0.094	20.807	0.070	20.829	-0.017	20.843	-0.033
20.871	0.006	20.898	-0.009	20.917	-0.013	20.936	-0.041
20.962	-0.006	20.991	-0.002	21.001	0.022	21.023	0.102
21.033	0.114	21.043	0.074	21.069	-0.038	21.083	-0.077
21.107	-0.070	21.128	-0.117	21.138	-0.098	21.167	-0.018
21.190	0.069	21.201	0.053	21.215	0.037	21.230	0.105
21.240	0.125	21.251	0.089	21.267	0.013	21.282	-0.007
21.296	0.001	21.316	-0.051	21.325	-0.055	21.351	-0.016
21.379	-0.044	21.391	-0.008	21.404	0.047	21.413	0.067
21.423	0.083	21.446	0.071	21.467	0.102	21.480	0.098
21.488	0.078	21.506	-0.025	21.523	-0.092	21.534	-0.136
21.543	-0.152	21.556	-0.140	*21.577	-0.096	21.594	-0.036
21.616	-0.008	21.639	0.048	21.659	0.020	21.677	0.024
21.690	0.001	21.720	-0.063	21.735	-0.051	21.749	-0.043
21.767	-0.062	21.788	-0.043	21.810	-0.066	21.835	-0.019
21.847	-0.015	21.870	-0.038	21.889	-0.046	21.909	-0.062
21.932	-0.050	21.954	-0.082	21.969	-0.050	21.987	0.029
22.002	0.045	22.018	0.025	22.034	0.033	22.043	0.009
22.060	-0.022	22.069	-0.014	22.086	0.005	22.093	0.005
22.110	-0.022	22.126	-0.042	22.142	-0.026	22.158	-0.006
22.175	0.025	22.200	0.014	22.212	0.037	22.232	0.089
22.255	0.097	22.271	0.113	22.283	0.093	22.308	0.037
22.323	0.001	22.334	0.001	22.350	-0.003	22.371	-0.019
22.392	-0.035	22.401	-0.059	22.413	-0.059	22.425	-0.015
22.441	0.056	22.451	0.092	22.461	0.088	22.473	0.072
22.484	0.084	22.499	0.120	22.511	0.139	22.517	0.119
22.539	0.068	22.556	0.028	22.576	0.000	22.596	-0.036
22.603	-0.064	22.615	-0.111	22.623	-0.135	22.633	-0.127
22.649	-0.088	22.662	-0.056	22.680	-0.040	22.686	-0.016
22.695	0.019	22.705	0.015	22.712	-0.020	22.724	-0.068
22.731	-0.080	22.741	-0.064	22.755	-0.048	22.768	-0.049
22.783	-0.037	22.792	-0.041	22.810	-0.049	22.820	-0.061
22.828	-0.029	22.852	0.043	22.864	0.074	22.872	0.074
22.881	0.050	22.894	0.018	22.905	0.026	22.919	0.066
22.932	0.082	22.946	0.074	22.957	0.058	22.969	0.030
22.982	0.006	22.995	-0.006	23.009	-0.002	23.026	-0.018
23.039	0.002	23.058	0.018	23.086	0.025	23.098	0.049
23.116	0.077	23.138	0.089	23.154	0.112	23.167	0.136
23.176	0.144	23.187	0.124	23.204	0.088	23.214	0.096
23.227	0.120	23.235	0.116	23.253	0.068	23.264	0.040
23.290	0.032	23.301	0.012	23.323	-0.032	23.340	-0.056
23.356	-0.088	23.368	-0.084	23.391	-0.068	23.404	-0.044
23.418	-0.020	23.425	-0.012	23.436	-0.032	23.451	-0.044
23.469	-0.044	23.483	-0.025	23.496	-0.013	23.519	0.003
23.540	0.015	23.558	0.019	23.592	0.010	23.604	-0.006
23.619	-0.029	23.635	-0.057	23.647	-0.077	23.655	-0.061

23.668	-0.022	23.681	-0.010	23.688	-0.030	23.702	-0.046
23.709	-0.022	23.727	0.001	23.752	0.025	23.766	0.065
23.777	0.077	23.803	0.037	23.831	0.048	23.849	0.024
23.881	-0.008	23.890	0.008	23.911	0.059	23.955	0.059
23.969	0.071	23.981	0.083	23.995	0.110	24.004	0.118
24.010	0.094	24.029	0.027	24.043	-0.001	24.050	0.011
24.067	0.042	24.079	0.038	24.098	0.010	24.113	0.026
24.133	0.042	24.147	0.034	24.168	0.010	24.196	0.013
24.219	-0.023	24.246	-0.035	24.259	-0.055	24.278	-0.099
24.294	-0.127	24.310	-0.111	24.332	-0.092	24.349	-0.068
24.362	-0.024	24.375	0.011	24.384	0.027	24.404	0.011
24.412	0.027	24.424	0.051	24.433	0.066	24.439	0.046
24.459	-0.006	24.471	-0.030	24.489	-0.022	24.504	-0.014
24.514	-0.030	24.531	-0.058	24.542	-0.066	24.552	-0.054
24.578	-0.011	24.596	0.025	24.608	0.048	24.631	0.044
24.644	0.036	24.665	0.060	24.685	0.048	24.709	0.067
24.725	0.063	24.741	0.035	24.759	-0.001	24.780	0.007
24.801	0.023	24.816	0.026	24.841	0.018	24.870	0.026
24.883	0.002	24.897	-0.034	24.917	-0.018	24.944	-0.074
24.958	-0.074	24.987	-0.063	24.998	-0.047	25.019	-0.019
25.045	-0.016	25.060	-0.004	25.085	-0.028	25.106	-0.052
25.117	-0.028	25.137	0.007	25.146	0.015	25.158	-0.005
25.177	-0.033	25.203	-0.041	25.223	-0.049	25.246	-0.025
25.270	-0.045	25.289	-0.022	25.311	0.002	25.331	0.030
25.353	0.018	25.371	0.033	25.406	0.017	25.433	0.025
25.461	0.045	25.495	0.049	25.510	0.052	25.523	0.037
25.550	0.001	25.572	-0.023	25.584	-0.027	25.603	0.000
25.628	0.036	25.646	0.052	25.662	0.064	25.672	0.052
25.688	0.020	25.706	-0.008	25.725	-0.024	25.738	-0.024
25.760	-0.012	25.778	0.003	25.806	-0.017	25.820	0.007
25.844	0.047	25.856	0.023	25.880	-0.029	25.904	-0.037
25.925	-0.049	25.954	-0.053	25.974	-0.065	25.989	-0.049
26.008	-0.025	26.022	-0.025	26.046	-0.049	26.071	-0.081
26.087	-0.097	26.106	-0.109	26.123	-0.089	26.137	-0.049
26.152	-0.017	26.162	0.007	26.173	-0.013	26.192	-0.029
26.218	0.010	26.243	0.022	26.271	0.018	26.296	0.006
26.322	0.018	26.354	0.046	26.380	0.074	26.394	0.070
26.424	0.026	26.452	0.006	26.473	-0.014	26.503	-0.054
26.516	-0.050	26.542	-0.006	26.560	0.006	26.581	0.002
26.605	0.022	26.635	0.006	26.652	-0.002	26.682	-0.022
26.728	-0.026	26.762	0.022	26.783	0.029	26.803	0.025
26.820	0.014	26.837	0.006	26.848	-0.010	26.864	-0.026
26.886	-0.014	26.904	-0.003	26.932	-0.003	26.959	0.017
26.985	0.025	27.018	0.013	27.038	0.029	27.061	0.045
27.081	0.037	27.109	0.029	27.129	0.013	27.147	-0.007
27.169	-0.019	27.195	-0.019	27.223	-0.051	27.237	-0.035
27.281	0.020	27.303	0.036	27.342	0.044	27.365	0.048
27.379	0.032	27.403	-0.004	27.425	-0.020	27.443	-0.052
27.461	-0.072	27.479	-0.084	27.498	-0.060	27.525	-0.020
27.539	-0.012	27.555	-0.012	27.575	-0.001	27.596	-0.005
27.627	-0.017	27.650	-0.021	27.682	-0.013	27.709	-0.037
27.740	0.011	27.760	0.003	27.775	-0.005	27.801	0.042
27.819	0.046	27.841	0.074	27.856	0.054	27.882	0.018
27.905	0.014	27.931	-0.010	27.948	-0.010	27.972	0.018
27.989	-0.006	28.011	-0.034	28.030	-0.010	28.050	0.026
28.063	0.014	28.093	-0.038	28.113	-0.022	28.137	0.017

28.156	0.045	28.170	0.025	28.186	-0.007	28.200	-0.023
28.218	-0.015	28.235	0.001	28.253	-0.019	28.275	-0.047
28.305	-0.055	28.321	-0.067	28.350	-0.027	28.393	-0.032
28.409	-0.036	28.436	0.004	28.451	0.004	28.480	-0.008
28.506	-0.020	28.516	-0.032	28.534	-0.060	28.545	-0.060
28.566	-0.029	28.588	-0.017	28.614	0.023	28.631	0.023
28.648	-0.001	28.678	0.070	28.693	0.046	28.718	0.014
28.733	0.014	28.760	-0.038	28.778	-0.018	28.802	0.014
28.820	-0.010	28.844	-0.034	28.855	-0.018	28.877	0.029
28.900	0.065	28.912	0.081	28.938	0.037	28.952	0.025
28.972	0.021	28.998	-0.019	29.019	-0.004	29.037	-0.020
29.053	-0.036	29.074	0.000	29.097	-0.028	29.122	0.004
29.143	0.027	29.174	0.019	29.192	0.003	29.210	-0.013
29.239	0.039	29.251	0.011	29.273	-0.045	29.323	-0.049
29.347	-0.005	29.373	-0.025	29.408	-0.001	29.432	-0.029
29.476	-0.029	29.504	-0.077	29.521	-0.081	29.550	-0.041
29.562	-0.025	29.583	0.018	29.594	0.002	29.622	-0.041
29.645	-0.053	29.678	-0.021	29.721	-0.009	29.737	-0.002
29.763	0.034	29.801	0.022	29.828	-0.041	29.856	-0.037
29.882	-0.069	29.915	-0.006	29.943	-0.013	29.969	0.022
29.995	0.002	30.021	0.026	30.057	-0.021	30.077	-0.021
30.100	-0.045	30.131	-0.013	30.152	-0.029	30.175	0.026
30.203	-0.002	30.231	-0.013	30.253	-0.033	30.278	-0.006
30.317	-0.006	30.333	-0.002	30.352	-0.021	30.389	-0.021
30.412	0.006	30.442	-0.006	30.463	0.010	30.492	-0.006
30.505	-0.025	30.522	-0.037	30.549	-0.002	30.574	-0.002
30.595	-0.006	30.620	0.022	30.649	-0.069	30.658	-0.061
30.681	-0.013	30.721	0.026	30.755	-0.013	30.785	0.002
30.817	-0.006	30.835	-0.017	30.859	-0.061	30.872	-0.073
30.892	-0.101	30.919	-0.061	30.951	-0.049	30.972	-0.009
31.001	-0.065	31.028	-0.085	31.052	0.015	31.071	0.055
31.086	0.043	31.115	-0.021	31.148	-0.029	31.176	-0.080
31.200	-0.056	31.220	-0.068	31.237	-0.033	31.254	0.023
31.285	0.055	31.293	0.031	31.316	-0.044	31.346	-0.020
31.361	-0.028	31.384	-0.004	31.414	0.012	31.442	-0.044
31.472	0.044	31.510	0.000	31.546	0.068	31.560	0.017
31.585	-0.055	31.597	-0.039	31.634	-0.003	31.641	-0.011
31.663	-0.050	31.691	0.041	31.703	0.041	31.720	0.041
31.738	0.105	31.749	0.101	31.777	-0.038	31.797	-0.066
31.830	-0.097	31.848	-0.073	31.907	0.038	31.923	0.042
31.948	0.026	31.966	0.062	31.994	-0.009	32.019	0.070
32.033	0.018	32.049	-0.041	32.075	-0.057	32.091	0.014
32.110	0.074	32.120	0.042	32.144	-0.049	32.153	-0.021
32.166	0.006	32.188	-0.013	32.202	-0.037	32.222	-0.077
32.258	-0.041	32.294	-0.009	32.322	-0.057	32.351	0.018
32.379	0.006	32.401	-0.021	32.415	0.014	32.430	0.042
32.443	0.018	32.470	-0.025	32.495	0.002	32.513	-0.013
32.535	-0.025	32.544	0.002	32.555	0.050	32.564	0.074
32.572	0.078	32.596	-0.006	32.623	-0.018	*32.640	-0.045
32.665	-0.061	32.682	-0.046	32.703	-0.022	32.723	0.002
32.737	0.014	32.761	-0.002	32.782	0.010	32.794	0.013
32.813	0.049	32.829	0.017	32.849	0.017	32.870	-0.023
32.881	0.005	32.898	0.061	32.908	0.076	32.932	-0.003
32.953	0.052	32.963	0.021	32.985	-0.071	32.993	-0.079
33.005	-0.059	33.021	-0.012	33.029	-0.004	33.038	-0.024
33.054	-0.063	33.063	-0.048	33.077	-0.004	33.089	0.012

33.107	0.004	33.129	-0.000	33.152	-0.008	33.172	-0.052
33.180	-0.040	33.199	0.039	33.211	0.059	33.235	0.027
33.251	0.039	33.265	0.047	33.275	0.031	33.300	0.003
33.326	-0.048	33.344	-0.056	33.357	-0.044	33.379	-0.009
33.406	0.015	33.430	-0.013	33.442	0.023	33.460	0.043
33.472	0.035	33.490	-0.009	33.498	0.007	33.515	0.039
33.522	0.039	33.546	-0.017	33.576	-0.009	33.590	-0.037
33.611	-0.073	33.621	-0.061	33.638	-0.009	33.661	0.023
33.682	0.074	33.694	0.070	33.716	0.030	33.743	0.034
33.757	-0.025	33.774	-0.057	33.783	-0.053	33.801	-0.009
33.811	0.002	33.833	-0.041	33.842	-0.029	33.865	-0.002
33.883	0.010	33.895	-0.006	33.911	-0.034	33.925	-0.010
33.948	0.010	33.968	-0.022	33.978	0.002	33.997	0.042
34.008	0.038	34.026	-0.002	34.043	-0.034	34.074	-0.014
34.092	0.006	34.107	0.030	34.132	0.073	34.142	0.069
34.168	0.034	34.179	0.010	34.200	0.034	34.222	-0.010
34.260	-0.034	34.285	-0.062	34.317	-0.030	34.328	-0.002
34.351	0.053	34.381	0.009	34.391	0.021	34.413	0.065
34.427	0.069	34.456	0.041	34.470	0.049	34.484	0.057
34.495	0.029	34.512	-0.011	34.533	0.005	34.550	-0.007
34.559	0.013	34.576	0.029	34.593	0.017	34.613	0.001
34.631	-0.015	34.649	-0.019	34.671	-0.043	34.687	-0.071
34.697	-0.075	34.720	-0.043	34.734	-0.043	34.755	-0.075
34.776	-0.055	34.795	-0.051	34.821	-0.024	34.842	-0.012
34.871	-0.004	34.892	0.012	34.914	-0.044	34.923	-0.044
34.943	-0.020	34.959	-0.044	34.968	-0.024	34.986	0.020
34.995	0.028	35.013	-0.004	35.023	0.008	35.045	0.063
35.056	0.067	35.069	0.039	35.094	0.007	35.105	0.011
35.123	0.035	35.129	0.027	35.147	-0.012	35.156	-0.009
35.176	0.023	35.189	0.027	35.209	0.027	35.230	0.039
35.241	0.027	35.260	-0.009	35.271	0.003	35.293	0.027
35.315	-0.013	35.327	-0.005	35.350	0.019	35.370	0.023
35.400	0.003	35.411	0.019	35.429	0.051	35.458	0.019
35.487	0.035	35.506	0.015	35.532	-0.037	35.555	-0.021
35.583	-0.061	35.613	-0.033	35.635	-0.021	35.666	0.003
35.692	-0.009	35.741	-0.005	35.755	-0.025	35.775	-0.049
35.795	-0.021	35.818	-0.013	35.833	0.002	35.844	0.010
35.862	-0.006	35.882	-0.021	35.898	0.006	35.916	0.026
35.929	0.014	35.948	-0.002	35.966	-0.022	35.978	-0.014
35.998	-0.002	36.024	0.002	36.038	0.014	36.059	-0.018
36.074	-0.002	36.096	0.038	36.113	0.054	36.123	0.038
36.140	0.002	36.174	0.002	36.188	-0.026	36.208	-0.054
36.239	-0.006	36.259	-0.022	36.288	0.021	36.308	0.017
36.347	0.017	36.371	0.025	36.393	-0.007	36.420	0.025
36.447	0.001	36.466	0.033	36.483	0.017	36.497	-0.015
36.518	-0.007	36.543	-0.031	36.561	-0.039	36.587	-0.031
36.614	-0.011	36.639	-0.003	36.662	-0.007	36.682	0.009
36.703	0.029	36.729	-0.019	36.748	0.001	36.772	0.013
36.799	0.020	36.824	0.020	36.846	0.040	36.859	0.032
36.882	-0.003	36.912	-0.023	36.936	-0.031	36.956	-0.031
36.976	-0.039	36.997	-0.051	37.021	-0.015	37.046	-0.019
37.072	0.037	37.097	-0.007	37.128	-0.007	37.168	-0.003
37.181	-0.011	37.195	-0.031	37.221	-0.015	37.250	-0.011
37.269	0.009	37.291	0.049	37.324	0.009	37.347	0.025
37.372	0.005	37.423	0.002	37.450	-0.030	37.473	-0.014
37.501	-0.030	37.528	-0.014	37.551	0.006	37.575	0.030

37.590	0.014	37.610	-0.014	37.625	0.006	37.644	0.026
37.667	0.006	37.684	0.018	37.704	0.030	37.721	0.018
37.744	0.006	37.789	0.006	37.817	-0.002	37.836	-0.006
37.860	-0.002	37.881	-0.017	37.905	0.014	37.936	-0.013
37.964	0.018	38.000	-0.017	38.030	0.018	38.055	-0.006
38.080	0.010	38.124	-0.029	38.144	-0.037	38.177	0.018
38.216	0.010	38.240	0.030	38.267	0.002	38.302	-0.002
38.331	0.022	38.351	0.026	38.379	0.014	38.403	-0.009
38.419	-0.033	38.441	-0.053	38.478	-0.013	38.503	-0.025
38.534	0.014	38.547	0.002	38.588	-0.045	38.615	0.002
38.640	-0.017	38.668	0.002	38.706	0.022	38.729	0.026
38.753	0.026	38.781	0.006	38.794	0.010	38.819	-0.030
38.838	-0.014	38.879	0.002	38.915	0.022	38.956	0.022
38.982	0.053	39.010	0.026	39.037	0.006	39.066	-0.018
39.086	0.018	39.114	-0.034	39.145	0.021	39.182	-0.022
39.217	0.009	39.252	-0.007	39.274	-0.015	39.289	-0.023
39.331	0.021	39.357	-0.007	39.367	-0.003	39.382	0.013
39.413	0.009	39.434	-0.019	39.458	-0.008	39.484	0.008
39.508	0.000	39.521	0.012	39.537	0.024	39.556	0.020
39.570	0.008	39.580	0.012	39.596	0.024	39.609	0.016
39.621	-0.000	39.642	-0.024	39.653	-0.024	39.671	-0.008
39.681	0.004	39.698	0.023	39.718	0.015	39.744	0.007
39.762	0.003	39.782	0.007	39.797	-0.009	39.814	-0.021
39.828	-0.001	39.843	-0.001	39.857	-0.017	39.873	-0.009
39.889	-0.005	39.906	0.007	39.924	-0.013	39.940	-0.029
39.964	-0.025	39.989	-0.009	40.014	0.003	40.059	0.011
40.084	0.015	40.102	0.007	40.118	-0.005	40.136	0.011
40.157	-0.021	40.167	-0.005	40.184	0.014	40.200	-0.006
40.209	-0.025	40.224	-0.006	40.239	0.010	40.266	0.014
40.284	0.034	40.296	0.018	40.309	-0.009	40.322	-0.033
40.334	-0.009	40.344	-0.009	40.357	-0.033	40.371	-0.049
40.383	-0.033	40.400	-0.013	40.435	-0.006	40.452	0.006
40.471	-0.017	40.484	-0.029	40.501	-0.013	40.512	-0.021
40.523	-0.029	40.536	-0.029	40.552	-0.017	40.567	-0.006
40.582	-0.002	40.600	0.014	40.615	0.014	40.627	0.002
40.646	0.014	40.662	0.018	40.676	0.018	40.698	0.046
40.712	0.030	40.727	0.010	40.740	0.006	40.766	-0.002
40.802	-0.013	40.831	-0.025	40.851	-0.025	40.874	-0.013
40.888	-0.009	40.915	-0.009	40.950	0.002	40.970	0.006
40.999	-0.002	41.029	-0.009	41.053	-0.002	41.073	-0.017
41.098	-0.009	41.119	-0.006	41.139	0.014	41.165	-0.013
41.202	0.010	41.224	0.014	41.257	-0.002	41.288	-0.013
41.317	-0.021	41.341	-0.037	41.362	-0.025	41.387	-0.041
41.406	-0.037	41.434	-0.030	41.473	-0.022	41.508	-0.022
41.527	-0.018	41.545	0.010	41.562	0.026	41.593	0.010
41.609	0.030	41.624	0.037	41.635	0.022	41.651	0.002
41.665	0.021	41.674	0.021	41.689	0.006	41.702	-0.010
41.715	0.001	41.729	0.005	41.743	0.005	41.757	0.021
41.771	0.041	41.785	0.045	41.798	0.037	41.814	0.013
41.839	0.013	41.863	0.001	41.881	0.021	41.909	-0.003
41.934	0.008	41.965	0.004	41.991	0.004	42.008	0.008
42.029	-0.016	42.057	-0.028	42.089	-0.020	42.113	-0.001
42.140	-0.001	42.161	0.015	42.178	0.023	42.192	0.015
42.207	0.011	42.230	0.019	42.243	0.007	42.270	-0.013
42.295	0.015	42.305	0.007	42.327	-0.029	42.347	-0.005
42.370	0.006	42.390	0.002	42.411	0.014	42.433	0.006

42.462	0.014	42.527	0.010	42.546	0.018	42.573	0.002
42.617	0.010	42.633	0.018	42.655	0.002	42.674	0.010
42.697	-0.002	42.717	0.006	42.738	-0.006	42.752	-0.018
42.777	0.006	42.795	-0.006	42.824	-0.014	42.852	-0.018
42.878	-0.018	42.901	-0.034	42.922	-0.026	42.947	-0.022
42.973	-0.014	42.993	-0.010	43.018	0.001	43.031	0.001
43.056	0.001	43.073	0.013	43.087	0.001	43.114	-0.019
43.133	-0.027	43.139	-0.031	43.148	-0.051	43.155	-0.055
43.166	-0.039	43.176	-0.015	43.187	-0.011	43.200	-0.023
43.214	-0.008	43.227	0.000	43.235	0.000	43.254	-0.004
43.264	-0.016	*43.274	-0.000	43.287	0.016	43.296	0.020
43.306	0.011	43.316	-0.001	43.324	-0.009	43.334	0.007
43.347	0.011	43.358	0.003	43.372	-0.005	43.387	0.007
43.402	0.007	43.417	0.003	43.426	-0.005	43.440	0.006
43.455	0.006	43.485	0.006	43.503	0.006	43.516	-0.006
43.530	0.002	43.540	0.006	43.552	-0.006	43.567	-0.022
43.574	-0.031	43.586	-0.023	43.599	-0.011	43.609	-0.007
43.629	-0.003	43.644	-0.003	43.661	0.001	43.675	0.000
43.689	0.008	43.703	0.020	43.715	0.020	43.725	0.012
43.739	0.004	43.753	-0.012	43.768	-0.004	43.780	-0.004
43.792	-0.004	43.804	-0.004	43.815	-0.012	43.830	-0.004
43.847	-0.004	43.863	0.004	43.876	0.007	43.887	-0.000
43.908	-0.012	43.917	-0.020	43.928	-0.012	43.938	-0.005
43.949	-0.017	43.962	-0.024	43.971	-0.024	43.988	-0.009
44.003	-0.009	44.015	-0.013	44.029	-0.005	44.046	0.003
44.055	0.003	44.067	-0.001	44.081	-0.009	44.092	-0.013
44.105	-0.017	44.115	-0.021	44.127	-0.013	44.139	-0.013
44.152	-0.017	44.163	-0.013	44.173	-0.005	44.188	-0.005
44.207	-0.005	44.225	-0.005	44.241	-0.005	44.259	0.007
44.279	0.011	44.297	0.015	44.319	0.015	44.333	0.015
44.347	0.023	44.360	0.030	44.377	0.022	44.394	0.014
44.409	0.003	44.422	-0.001	44.445	-0.013	44.459	-0.009
44.481	-0.005	44.487	-0.013	44.505	-0.025	44.528	-0.029
44.538	-0.021	44.561	-0.021	44.577	-0.009	44.592	0.002
44.606	0.006	44.624	0.014	44.633	0.010	44.652	0.002
44.672	-0.005	44.691	-0.005	44.707	-0.009	44.724	-0.017
44.738	-0.009	44.755	-0.005	44.768	0.002	44.790	0.014
44.801	0.014	44.816	0.006	44.825	-0.002	44.844	0.002
44.862	0.006	44.876	-0.005	44.891	-0.013	44.902	-0.013
44.920	-0.005	44.936	0.014	44.948	0.014	44.963	0.022
44.982	0.022	44.995	0.010	45.011	0.002	45.032	-0.010
45.048	-0.014	45.063	-0.014	45.083	0.002	45.092	0.006
45.120	0.006	45.136	0.014	45.150	0.010	45.171	-0.002
45.183	0.002	45.194	0.006	45.202	-0.006	45.221	-0.030
45.237	-0.034	45.251	-0.026	45.272	-0.010	45.287	0.002
45.299	-0.002	45.317	-0.014	45.337	-0.006	45.362	-0.010
45.377	-0.007	45.398	-0.015	45.422	-0.007	45.457	-0.007
45.476	0.001	45.505	-0.023	45.529	-0.003	45.549	0.009
45.569	0.017	45.587	0.021	45.604	0.033	45.621	0.017
45.639	0.001	45.682	0.001	45.697	0.009	45.715	0.024
45.726	0.020	45.755	0.004	45.774	0.016	45.788	0.012
45.816	0.001	45.841	-0.007	45.863	-0.015	45.880	-0.003
45.909	-0.023	45.941	-0.003	45.967	-0.011	45.993	0.009
46.025	0.009	46.041	0.017	46.068	0.001	46.100	0.013
46.121	0.001	46.142	-0.015	46.167	0.005	46.185	-0.015
46.208	-0.023	46.234	0.001	46.255	-0.014	46.269	-0.018

46.293	0.017	46.307	0.009	46.326	-0.006	46.339	0.001
46.354	0.017	46.367	0.013	46.382	0.001	46.394	-0.003
46.417	0.013	46.451	0.013	46.472	0.017	46.495	0.021
46.513	0.029	46.530	0.037	46.547	0.025	46.564	0.009
46.584	0.013	46.596	0.001	46.613	-0.007	46.633	0.001
46.646	0.005	46.679	0.001	46.695	0.009	46.713	0.017
46.745	0.009	46.763	0.021	46.783	0.005	46.798	0.017
46.820	-0.007	46.849	0.025	46.873	0.017	46.901	0.013
46.929	0.001	46.953	0.009	46.969	-0.003	46.986	-0.019
47.010	-0.007	47.044	-0.023	47.077	0.016	47.100	0.016
47.122	0.004	47.142	-0.000	47.164	-0.020	47.188	-0.008
47.220	0.008	47.238	0.015	47.254	0.019	47.278	0.003
47.321	-0.001	47.367	-0.005	47.392	-0.013	47.423	-0.005
47.448	-0.021	47.477	-0.018	47.499	-0.010	47.525	-0.002
47.553	0.014	47.571	0.010	47.597	0.002	47.618	-0.006
47.647	0.006	47.669	0.002	47.686	0.009	47.709	-0.018
47.741	-0.007	47.776	-0.011	47.813	-0.003	47.847	0.017
47.869	0.005	47.893	0.013	47.924	-0.003	47.960	0.009
48.000	0.005	48.021	0.001	48.048	-0.003	48.090	0.001
48.117	0.008	48.141	0.020	48.171	0.008	48.200	0.028
48.218	0.016	48.248	0.000	48.269	-0.004	48.297	-0.031
48.317	-0.043	48.348	-0.035	48.365	-0.027	48.386	0.000
48.409	0.004	48.436	0.008	48.466	0.004	48.496	-0.004
48.545	0.000	48.577	0.012	48.630	0.004	48.672	0.016
48.709	-0.000	48.750	-0.001	48.780	0.019	48.821	-0.001
48.848	0.011	48.901	0.011	48.925	0.015	48.959	0.007
49.023	-0.001	49.092	0.010	49.128	0.010	49.185	0.002
49.233	0.022	49.275	-0.006	49.309	0.009	49.352	0.001
49.369	0.001	49.393	0.017	49.428	-0.011	49.455	0.005
49.481	0.008	49.512	0.016	49.533	0.008	49.567	-0.004
49.600	-0.016	49.629	-0.012	49.662	-0.009	49.697	0.007
49.740	0.011	49.768	0.011	49.795	0.019	49.823	0.007
49.851	-0.005	49.872	-0.001	49.897	-0.009	49.915	0.006
49.933	0.014	49.951	-0.002	49.965	-0.006	49.984	0.014
50.005	0.006	50.030	0.010	50.046	-0.006	50.070	-0.014
50.091	-0.018	50.109	-0.026	50.120	-0.031	50.139	-0.023
50.155	-0.015	50.176	-0.011	50.192	-0.003	50.212	-0.004
50.228	0.004	50.246	0.004	50.261	0.008	50.275	-0.008
50.287	-0.012	50.302	0.003	50.324	-0.021	50.339	-0.013
50.361	0.003	50.377	-0.001	50.400	-0.009	50.413	-0.001
50.430	0.014	50.447	0.026	50.465	0.014	50.487	-0.006
50.508	-0.002	50.534	0.002	50.557	0.002	50.574	0.018
50.598	0.002	50.610	0.010	50.633	0.034	50.645	0.018
50.663	-0.006	50.680	0.002	50.694	0.018	50.709	0.010
50.730	-0.013	50.750	-0.009	50.771	-0.006	50.790	0.018
50.811	0.018	50.833	0.026	50.847	0.018	50.868	0.006
50.891	0.002	50.910	-0.006	50.932	-0.006	50.951	-0.017
50.969	-0.009	50.989	-0.002	51.018	0.002	51.039	0.010
51.059	-0.006	51.075	0.022	51.091	0.030	51.114	0.006
51.134	0.022	51.157	0.013	51.179	0.013	51.203	0.009
51.222	0.001	51.250	0.005	51.267	0.001	51.293	-0.016
51.313	-0.020	51.325	-0.024	51.343	-0.008	51.365	-0.008
51.382	0.003	51.400	-0.013	51.424	-0.009	51.465	-0.006
51.493	-0.003	51.518	0.001	51.529	0.005	51.558	-0.012
51.587	0.020	51.617	0.004	51.643	0.011	51.671	-0.001
51.697	0.003	51.731	-0.009	51.770	0.010	51.794	-0.002

51.816	0.010	51.854	0.006	51.878	0.022	51.902	0.010
51.926	0.010	51.955	-0.009	51.972	-0.009	51.997	0.006
52.035	0.002	52.072	0.002	52.113	0.001	52.150	0.001
52.183	0.005	52.221	0.016	52.257	0.008	52.278	0.016
52.299	0.008	52.335	-0.004	52.364	-0.013	52.378	0.007
52.396	-0.009	52.421	-0.013	52.450	-0.009	52.470	-0.009
52.496	-0.021	52.519	-0.001	52.542	-0.009	52.565	-0.008
52.594	-0.008	52.628	-0.008	52.671	0.009	52.699	0.001
52.740	-0.002	52.768	0.010	52.796	-0.009	52.819	-0.005
52.842	0.007	52.861	0.004	52.882	0.016	52.912	-0.003
52.953	-0.011	52.974	-0.018	52.998	-0.002	53.045	0.002
53.090	0.006	53.134	0.022	53.171	0.022	53.207	0.018
53.240	0.014	53.268	0.006	53.297	-0.003	53.318	-0.019
53.349	0.000	53.408	-0.001	53.454	-0.010	53.490	-0.003
53.525	-0.007	53.559	-0.011	53.592	-0.016	53.618	-0.020
53.652	-0.004	53.676	0.007	53.714	0.007	53.743	0.011
53.770	0.007	53.802	0.006	53.832	-0.005	53.859	0.003
53.897	0.007	53.935	0.007	53.963	0.019	53.991	0.008
54.016	0.024	54.041	0.012	54.072	0.000	54.107	0.025
54.151	-0.006	54.154	-0.006	54.162	-0.009	54.171	-0.005
54.182	-0.005	54.190	-0.005	54.199	-0.004	54.216	0.008
54.228	0.008	*54.238	0.005	54.246	0.001	54.255	0.001
54.269	0.006	54.286	0.010	54.291	0.018	54.303	0.007
54.313	0.007	54.324	0.007	54.334	0.011	54.345	0.007
54.354	0.004	54.365	-0.000	54.373	-0.000	54.390	-0.004
54.399	-0.008	54.407	-0.012	54.417	-0.012	54.427	-0.028
54.438	-0.028	54.451	-0.004	54.466	0.004	54.478	-0.007
54.491	-0.011	54.500	-0.007	54.508	-0.003	54.518	0.005
54.528	0.005	54.538	0.005	54.552	-0.003	54.568	-0.003
54.577	-0.007	54.588	0.001	54.600	0.013	54.615	0.025
54.624	0.025	54.636	0.014	54.645	0.002	54.659	-0.002
54.668	-0.002	54.680	0.010	54.685	0.006	54.701	-0.002
54.716	-0.006	54.731	-0.010	54.748	-0.006	54.765	-0.002
54.783	0.006	54.804	0.006	54.822	0.006	54.834	0.006
54.846	0.006	54.863	0.010	54.879	0.026	54.895	0.022
54.906	0.006	54.918	-0.006	54.932	-0.002	54.944	0.010
54.955	0.014	54.967	0.006	54.978	-0.002	54.986	-0.006
54.997	-0.017	55.007	-0.013	55.013	-0.009	55.025	0.002
55.042	0.002	55.056	-0.009	55.068	-0.006	55.081	0.006
55.097	0.014	55.107	-0.002	55.116	0.014	55.128	0.034
55.143	0.046	55.146	0.042	55.157	0.022	55.169	0.010
55.181	0.018	55.192	0.030	55.206	0.034	55.214	0.018
55.233	-0.002	55.248	0.006	55.259	0.010	55.272	0.010
55.287	0.002	55.297	-0.002	55.306	0.010	55.316	0.022
55.323	0.022	55.336	0.022	55.348	0.018	55.357	0.014
55.372	0.022	55.384	0.014	55.396	-0.002	55.414	0.013
55.423	0.009	55.440	0.001	55.455	0.001	55.462	-0.003
55.473	0.005	55.487	0.017	55.509	0.020	55.523	0.024
55.538	0.024	55.544	0.020	55.550	0.004	55.556	0.004
55.568	-0.001	55.581	0.015	55.593	0.007	55.595	0.003
55.603	-0.013	55.616	-0.013	55.628	0.006	55.639	0.006
55.650	-0.002	55.656	-0.006	55.668	-0.002	55.681	0.001
55.696	0.025	55.710	0.037	55.723	0.033	55.735	0.024
55.742	0.020	55.755	0.020	55.764	0.024	55.776	0.024
55.787	0.023	55.797	0.015	55.806	0.007	55.819	0.015
55.827	0.031	55.835	0.031	55.853	0.030	55.861	0.014

55.867	-0.010	55.873	-0.018	55.884	-0.014	55.908	0.002
55.916	-0.006	55.934	-0.015	55.947	0.017	55.963	0.029
55.977	0.012	55.987	0.004	56.004	0.012	56.018	0.004
56.024	-0.008	56.034	-0.008	56.048	0.003	56.067	-0.001
56.074	-0.005	56.085	-0.021	56.103	-0.017	56.120	0.018
56.135	0.010	56.146	0.026	56.157	0.026	56.168	0.018
56.179	0.009	56.187	-0.022	56.199	-0.027	56.211	-0.023
56.225	-0.023	56.238	-0.027	56.249	-0.019	56.260	0.004
56.279	0.000	56.294	0.008	56.306	0.012	56.321	-0.000
56.332	-0.004	56.348	-0.009	56.365	-0.005	56.383	0.003
56.402	0.015	56.413	0.007	56.424	0.007	56.442	0.003
56.451	-0.001	56.463	0.010	56.472	0.014	56.481	0.006
56.497	-0.006	56.509	-0.010	56.516	-0.010	56.531	-0.002
56.545	0.006	56.560	-0.002	56.572	0.002	56.584	0.014
56.595	0.014	56.605	-0.002	56.622	0.002	56.636	0.014
56.649	0.014	56.656	0.010	56.666	-0.002	56.676	-0.002
56.685	-0.006	56.693	0.002	56.702	0.010	56.713	0.010
56.724	0.010	56.732	-0.002	56.745	-0.006	56.751	-0.006
56.766	-0.003	56.786	0.013	56.790	0.013	56.807	0.005
56.814	-0.003	56.826	0.001	56.836	0.005	56.844	0.021
56.865	0.024	56.882	0.020	56.894	0.008	56.902	0.004
56.917	-0.012	56.929	-0.008	56.946	-0.001	56.962	-0.013
56.978	-0.013	56.988	0.003	57.007	0.019	57.021	-0.005
57.033	-0.013	57.041	-0.014	57.051	-0.010	57.063	0.006
57.074	0.014	57.085	0.026	57.100	0.021	57.113	0.009
57.117	0.005	57.128	-0.003	57.138	-0.007	57.150	-0.003
57.164	0.016	57.177	0.012	57.191	0.000	57.199	0.008
57.216	0.028	57.225	0.020	57.235	0.015	57.245	0.019
57.254	0.023	57.271	0.015	57.283	0.007	57.291	0.007
57.298	0.011	57.313	0.014	57.323	0.002	57.333	-0.002
57.343	-0.002	57.352	0.002	57.367	0.010	57.381	0.006
57.389	-0.002	57.402	0.006	57.414	0.006	57.427	-0.003
57.438	-0.003	57.449	-0.003	57.464	0.001	57.477	0.009
57.497	0.013	57.510	0.005	57.526	0.012	57.542	0.020
57.556	0.016	57.568	0.012	57.574	0.012	57.588	-0.004
57.602	-0.004	57.620	0.008	57.637	0.015	57.658	0.015
57.678	0.003	57.689	0.003	57.707	0.006	57.721	0.006
57.737	0.006	57.750	-0.002	57.764	-0.002	57.774	0.002
57.784	0.009	57.801	0.013	57.813	0.009	57.825	0.013
57.838	0.013	57.851	0.001	57.862	0.004	57.868	0.012
57.883	0.020	57.893	0.008	57.904	0.004	57.913	-0.004
57.933	-0.001	57.944	0.007	57.956	0.011	57.970	0.011
57.984	0.010	58.000	0.010	58.006	0.006	58.018	-0.002
58.028	0.006	58.034	0.005	58.042	0.005	58.059	0.013
58.073	0.009	58.082	0.008	58.091	-0.008	58.102	-0.012
58.109	-0.016	58.120	-0.020	58.132	-0.016	58.144	-0.013
58.155	-0.013	58.164	-0.009	58.172	0.003	58.181	0.011
58.192	0.014	58.203	0.010	58.217	0.006	58.239	0.002
58.252	0.001	58.264	-0.011	58.277	-0.011	58.289	-0.007
58.303	-0.003	58.312	-0.015	58.317	-0.027	58.327	-0.023
58.341	-0.015	58.344	-0.011	58.359	-0.008	58.370	-0.008
58.379	-0.024	58.391	-0.024	58.401	-0.020	58.410	-0.008
58.422	-0.000	58.433	-0.008	58.442	-0.008	58.449	-0.024
58.461	-0.024	58.469	-0.009	58.482	0.007	58.493	0.003
58.502	-0.001	58.509	-0.009	58.516	-0.013	58.526	-0.009
58.534	-0.001	58.546	-0.001	58.556	-0.001	58.570	-0.006

58.590	-0.002	58.600	0.002	58.613	-0.002	58.637	-0.002
58.652	-0.006	58.664	0.002	58.680	-0.013	58.687	-0.013
58.696	-0.017	58.711	-0.017	58.731	-0.017	58.746	-0.017
58.765	-0.002	58.780	0.002	58.792	-0.002	58.804	-0.002
58.818	0.002	58.833	0.006	58.845	-0.002	58.854	-0.009
58.861	-0.017	58.877	-0.009	58.888	-0.009	58.906	-0.009
58.923	-0.017	58.941	-0.009	58.954	-0.002	58.970	0.006
58.987	0.006	59.007	-0.002	59.022	-0.017	59.041	-0.017
59.060	-0.013	59.081	-0.013	59.095	-0.017	59.104	-0.013
59.121	-0.010	59.136	-0.010	59.158	-0.014	59.181	-0.015
59.200	-0.023	59.209	-0.015	59.223	-0.008	59.244	0.000
59.264	0.004	59.283	-0.001	59.291	0.003	59.303	-0.009
59.314	-0.009	59.325	-0.006	59.339	-0.006	59.356	0.002
59.363	0.002	59.375	0.005	59.387	-0.011	59.401	-0.011
59.413	0.001	59.429	-0.004	59.444	-0.016	59.455	-0.020
59.472	-0.016	59.487	-0.004	59.501	-0.004	59.514	-0.008
59.530	-0.012	59.545	-0.004	59.564	-0.008	59.575	-0.012
59.592	-0.008	59.603	-0.008	59.619	-0.004	59.628	-0.004
59.637	-0.004	59.649	-0.012	59.658	-0.008	59.671	-0.007
59.684	-0.003	59.697	-0.003	59.709	0.001	59.726	-0.003
59.741	-0.006	59.758	-0.002	59.776	-0.006	59.796	-0.009
59.811	-0.025	59.829	-0.008	59.844	0.008	59.858	0.000
59.866	0.000	59.878	0.001	59.898	0.021	59.921	0.017
59.926	0.005	59.943	-0.002	59.958	-0.002	59.969	0.010
59.984	0.010	59.996	0.023	60.010	0.027	60.017	0.015
60.029	0.007	60.048	0.008	60.063	0.016	60.072	0.008
60.081	0.000	60.093	-0.016	60.099	-0.007	60.108	0.005
60.115	0.017	60.128	0.017	60.135	0.005	60.152	-0.011
60.172	-0.010	60.189	0.010	60.198	0.010	60.215	0.006
60.224	0.002	60.241	0.010	60.254	0.018	60.266	0.018
60.281	0.018	60.298	0.006	60.310	0.002	60.319	-0.006
60.334	0.002	60.345	0.006	60.360	-0.010	60.375	-0.002
60.385	-0.002	60.396	-0.006	60.414	-0.002	60.429	0.017
60.441	0.025	60.456	0.025	60.474	0.013	60.483	0.009
60.495	0.005	60.508	0.005	60.516	0.009	60.529	0.005
60.540	0.001	60.557	0.001	60.568	0.009	60.587	0.021
60.606	0.009	60.618	0.005	60.632	0.013	60.642	0.013
60.654	0.013	60.664	0.009	60.676	0.005	60.681	0.005
60.694	0.008	60.703	0.024	60.711	0.028	60.721	0.016
60.734	0.004	60.747	0.004	60.758	0.012	60.771	0.004
60.784	0.000	60.800	0.004	60.816	0.000	60.830	0.004
60.848	0.024	60.862	0.020	60.868	0.028	60.881	0.028
60.891	0.032	60.907	0.032	60.924	0.036	60.935	0.032
60.949	0.008	60.960	0.008	60.970	0.008	60.978	0.020
60.990	0.016	61.005	0.004	61.006	0.004	61.017	0.000
61.033	0.000	61.043	0.000	61.050	0.008	61.055	0.016
61.065	0.008	61.073	0.020	61.079	0.028	61.086	0.024
61.097	0.012	61.115	0.008	61.123	0.020	61.136	0.032
61.138	0.024	61.148	0.012	61.158	0.012	61.175	0.024
61.192	0.028	61.198	0.016	61.211	0.004	61.223	0.012
61.239	0.024	61.251	0.020	61.260	0.008	61.272	0.008
61.282	0.012	61.297	0.032	61.311	0.008	61.315	0.008
61.324	0.011	61.333	0.027	61.348	0.031	61.359	0.027
61.361	0.023	61.376	0.015	61.400	0.014	61.413	0.010
61.419	-0.002	61.428	-0.006	61.433	-0.002	61.448	0.018
61.460	0.006	61.468	-0.002	61.478	-0.006	61.488	-0.003

61.508	0.001	61.518	-0.011	61.526	-0.015	61.541	-0.011
61.550	-0.011	61.560	-0.003	61.574	-0.008	61.584	-0.008
61.589	-0.004	61.603	-0.004	61.623	-0.000	61.633	0.004
61.636	0.004	61.647	-0.000	61.659	-0.005	61.674	-0.005
61.687	0.003	61.701	0.007	61.715	0.003	61.725	0.003
61.738	0.003	61.745	0.010	61.760	0.010	61.772	0.002
61.785	0.010	61.798	0.018	61.813	0.010	61.823	0.002
61.840	-0.014	61.858	0.002	61.872	0.017	61.900	0.017
61.911	0.002	61.923	0.006	61.939	0.018	61.954	0.010
61.971	-0.014	61.982	-0.006	61.997	0.014	62.024	0.010
62.039	0.002	62.059	0.002	62.074	0.014	62.098	0.006
62.114	-0.002	62.137	0.006	62.162	0.010	62.184	0.006
62.206	0.002	62.222	-0.002	62.237	0.014	62.258	-0.002
62.273	0.002	62.283	0.010	62.300	0.014	62.317	0.006
62.326	-0.002	62.342	0.002	62.359	0.010	62.376	0.025
62.390	0.009	62.399	0.001	62.405	0.001	62.422	0.013
62.445	0.008	62.457	-0.004	62.476	-0.008	62.496	-0.001
62.514	0.007	62.532	-0.002	62.542	-0.026	62.551	-0.022
62.566	-0.018	62.584	0.001	62.604	-0.003	62.631	-0.020
62.654	-0.012	62.675	0.003	62.695	-0.009	62.708	-0.021
62.722	-0.022	62.739	-0.006	62.763	-0.011	62.786	-0.007
62.800	-0.003	62.822	-0.007	62.834	0.004	62.849	-0.004
62.859	-0.012	62.873	-0.012	62.899	0.004	62.912	-0.004
62.920	0.008	62.933	0.004	62.952	-0.004	62.973	0.016
62.989	0.004	63.003	-0.008	63.016	-0.005	63.031	-0.001
63.051	-0.001	63.056	-0.001	63.070	0.003	63.089	-0.013
63.105	-0.017	63.127	-0.013	63.145	-0.017	63.159	-0.021
63.174	-0.013	63.193	-0.001	63.218	-0.002	63.235	-0.026
63.248	-0.010	63.268	-0.002	63.282	-0.022	63.293	-0.014
63.309	-0.014	63.332	-0.018	63.346	-0.014	63.362	-0.010
63.379	-0.022	63.403	-0.006	63.431	-0.001	63.444	0.007
63.462	-0.001	63.490	-0.013	63.507	0.003	63.527	-0.009
63.539	-0.025	63.561	-0.013	63.574	0.003	63.595	-0.005
63.604	-0.013	63.626	-0.001	63.639	0.015	63.648	-0.005
63.666	-0.017	63.679	-0.013	63.694	-0.001	63.710	0.015
63.725	-0.001	63.742	-0.013	63.760	-0.009	63.775	-0.001
63.790	-0.013	63.805	-0.009	63.821	-0.017	63.834	-0.005
63.850	0.007	63.870	-0.001	63.883	-0.025	63.893	-0.013
63.906	0.007	63.923	0.003	63.952	-0.021	63.971	-0.005
63.996	-0.017	64.014	-0.017	64.034	-0.005	64.053	-0.009
64.056	-0.017	64.077	-0.013	64.079	-0.013	64.102	-0.013
64.117	-0.009	64.129	-0.009	64.150	-0.001	64.164	0.003
64.185	0.003	64.201	0.003	64.216	-0.001	64.234	-0.009
64.249	-0.005	64.266	-0.001	64.283	-0.013	64.290	-0.021
64.302	-0.021	64.321	-0.017	64.338	0.011	64.358	-0.001
64.374	0.003	64.395	-0.010	64.412	-0.018	64.426	-0.002
64.441	-0.014	64.458	-0.018	64.474	-0.010	64.489	-0.010
64.508	-0.010	64.524	-0.006	64.545	-0.014	64.552	-0.018
64.564	-0.002	64.579	-0.010	64.590	-0.018	64.606	-0.022
64.617	-0.010	64.631	-0.002	64.647	-0.022	64.657	-0.022
64.658	-0.022	64.661	-0.014	64.665	-0.018	64.669	-0.002
64.673	-0.002	64.697	-0.007	64.721	-0.007	* 64.743	0.001
64.771	-0.008	64.791	0.008	64.822	0.004	64.842	0.011
64.866	0.003	64.872	0.011	64.897	0.003	64.916	-0.002
64.928	-0.002	64.942	0.010	64.965	-0.002	64.996	-0.007
65.030	-0.011	65.046	0.001	65.064	-0.007	65.089	0.001

65.125	-0.003	65.154	-0.011	65.189	-0.003	65.208	-0.003
65.228	-0.007	65.252	0.017	65.276	0.013	65.299	0.009
65.326	0.001	65.335	0.005	65.355	0.001	65.360	-0.007
65.379	0.008	65.411	0.000	65.427	0.004	65.457	0.004
65.474	0.007	65.497	0.003	65.517	0.003	65.535	0.006
65.557	0.002	65.571	-0.006	65.594	-0.003	65.603	0.001
65.629	-0.003	65.655	-0.003	65.670	0.005	65.700	0.004
65.728	0.004	65.747	0.008	65.773	0.011	65.811	-0.001
65.835	0.003	65.863	0.007	65.888	0.002	65.903	-0.006
65.916	-0.002	65.952	-0.010	65.971	0.002	66.003	0.001
66.023	0.001	66.055	0.009	66.091	0.004	66.126	0.008
66.166	0.016	66.192	0.007	66.224	0.003	66.244	0.007
66.268	0.015	66.293	0.006	66.317	-0.002	66.331	0.018
66.354	0.006	66.368	0.010	66.392	0.005	66.414	0.005
66.441	0.005	66.469	0.004	66.495	0.004	66.527	0.007
66.561	0.011	66.578	0.010	66.601	0.006	66.640	0.006
66.677	0.009	66.697	0.001	66.712	0.008	66.732	0.000
66.754	-0.000	66.770	0.012	66.809	0.004	66.840	0.012
66.865	0.008	66.887	-0.000	66.906	-0.000	66.929	-0.000
66.941	0.003	66.960	-0.008	66.974	-0.020	66.998	-0.012
67.026	-0.020	67.062	-0.009	67.081	-0.005	67.097	-0.013
67.126	-0.009	67.150	-0.013	67.173	-0.005	67.191	0.007
67.205	0.007	67.216	-0.009	67.246	0.003	67.265	0.007
67.281	0.003	67.303	-0.001	67.313	-0.001	67.322	0.015
67.332	0.015	67.350	0.008	67.371	0.008	67.380	0.008
67.398	0.008	67.420	0.004	67.440	0.000	67.457	0.016
67.478	0.008	67.505	0.016	67.518	0.028	67.539	0.009
67.547	0.009	67.561	0.017	67.585	0.017	67.616	0.009
67.643	0.002	67.666	0.002	67.699	-0.002	67.720	0.006
67.745	0.010	67.778	0.017	67.818	0.013	67.843	0.013
67.865	0.004	67.893	0.008	67.928	0.015	67.948	0.014
67.966	-0.002	67.971	-0.002	67.980	0.009	68.000	0.009
68.022	0.000	68.057	-0.000	68.094	0.007	68.113	0.002
68.132	0.002	68.164	-0.011	68.190	-0.010	68.232	-0.010
68.250	-0.002	68.261	0.006	68.271	-0.002	68.292	-0.006
68.311	0.007	68.321	0.015	68.331	0.019	68.348	-0.001
68.362	0.015	68.380	-0.005	68.392	-0.025	68.401	-0.036
68.414	-0.032	68.434	-0.013	68.452	-0.001	68.465	0.011
68.485	-0.005	68.494	-0.005	68.501	0.006	68.520	0.018
68.532	0.002	68.539	0.006	68.555	0.006	68.571	-0.022
68.586	-0.022	68.607	-0.022	68.627	-0.022	68.645	-0.006
68.667	-0.006	68.690	-0.014	68.713	0.010	68.730	0.002
68.745	-0.006	68.761	0.009	68.775	0.009	68.793	-0.003
68.819	-0.007	68.846	-0.007	68.865	0.017	68.891	0.005
68.925	-0.004	68.941	-0.004	68.958	0.007	68.975	-0.009
68.996	0.003	69.014	-0.005	69.023	-0.010	69.047	0.006
69.059	0.006	69.081	-0.007	69.110	-0.006	69.123	-0.006
69.141	-0.014	69.159	-0.006	69.173	0.002	69.191	-0.010
69.207	-0.010	69.219	0.006	69.233	0.014	69.249	0.007
69.278	0.007	69.313	-0.004	69.345	0.016	69.389	0.013
69.413	0.013	69.438	0.009	69.457	0.017	69.479	0.017
69.502	0.001	69.534	0.002	69.557	0.017	69.577	0.010
69.605	-0.003	69.631	0.001	69.654	0.008	69.680	-0.004
69.695	0.008	69.712	0.007	69.744	0.007	69.772	0.018
69.783	0.026	69.801	0.006	69.816	-0.014	69.846	0.005
69.863	0.021	69.882	0.009	69.891	-0.008	69.907	0.012

69.916	0.020	69.931	0.012	69.947	-0.000	69.968	0.011
69.994	0.023	70.010	0.019	70.031	-0.001	70.047	-0.001
70.064	0.015	70.085	-0.005	70.114	-0.005	70.150	-0.005
70.170	0.011	70.195	0.003	70.222	0.027	70.264	0.020
70.308	0.016	70.343	0.008	70.363	0.008	70.373	0.024
70.387	0.032	70.408	0.020	70.435	0.012	70.464	0.016
70.482	0.020	70.518	0.012	70.555	0.004	70.583	-0.004
70.606	-0.004	70.626	0.012	70.643	0.012	70.664	0.008
70.678	0.008	70.705	0.011	70.717	0.019	70.727	0.039
70.741	0.023	70.753	0.002	70.763	0.010	70.779	0.034
70.795	0.021	70.812	0.009	70.836	0.048	70.847	0.044
70.860	0.028	70.875	0.020	70.896	0.019	70.909	0.027
70.926	0.011	70.949	0.006	70.972	0.018	70.989	0.006
70.999	-0.006	71.009	0.021	71.020	0.033	71.040	0.021
71.063	0.016	71.086	0.012	71.118	-0.009	71.143	0.023
71.154	0.022	71.169	0.002	71.177	-0.014	71.189	0.026
71.198	0.033	71.210	0.033	71.232	0.033	71.258	0.029
71.266	0.013	71.279	-0.007	71.292	0.013	71.312	0.013
71.333	0.017	71.349	0.009	71.361	0.002	71.387	0.009
71.406	0.017	71.430	0.029	71.469	0.029	71.500	0.017
71.525	0.012	71.539	0.012	71.556	0.023	71.573	0.027
71.586	0.015	71.604	0.022	71.615	0.022	71.632	0.014
71.641	0.014	71.657	0.021	71.670	0.025	71.690	0.021
71.701	0.000	71.710	0.000	71.726	0.032	71.735	0.020
71.762	-0.001	71.794	0.007	71.817	-0.021	71.826	-0.021
71.837	0.002	71.874	0.018	71.908	0.013	71.932	0.005
71.951	0.005	71.972	0.012	71.997	0.036	72.012	0.044
72.032	0.008	72.051	0.011	72.062	0.003	72.077	-0.021
72.093	-0.033	72.109	-0.013	72.129	0.003	72.158	-0.009
72.182	-0.009	72.193	-0.021	72.200	-0.037	72.212	-0.037
72.223	-0.013	72.243	-0.013	72.261	-0.013	72.275	0.003
72.294	-0.001	72.312	-0.017	72.324	-0.017	72.335	0.010
72.342	0.002	72.359	-0.018	72.369	-0.029	72.380	-0.014
72.391	0.014	72.404	0.022	72.423	0.002	72.434	-0.010
72.446	0.010	72.455	0.030	72.470	0.014	72.485	-0.034
72.504	-0.002	72.521	-0.002	72.536	-0.034	72.553	0.022
72.570	0.041	72.589	0.017	72.609	-0.026	72.627	-0.026
72.642	-0.003	72.664	0.005	72.684	0.013	72.709	0.025
72.729	0.044	72.748	0.024	72.762	-0.004	72.773	-0.008
72.786	0.020	72.797	0.047	72.807	0.043	72.817	0.011
72.831	0.007	72.853	-0.009	72.880	-0.021	72.892	-0.013
72.904	0.018	72.916	0.018	72.921	0.002	72.930	-0.006
72.953	0.026	72.976	0.009	72.996	-0.003	73.022	-0.015
73.032	-0.023	73.047	0.000	73.059	0.024	73.073	0.008
73.088	0.032	73.124	0.035	73.135	0.035	73.145	0.007
73.162	0.015	73.178	0.023	73.214	0.022	73.238	0.022
73.243	0.014	73.258	-0.018	73.269	-0.026	73.303	-0.002
73.328	0.021	73.353	0.006	73.375	0.006	73.382	-0.002
73.393	-0.026	73.407	0.014	73.416	0.042	73.428	0.034
73.448	0.006	73.465	0.006	73.479	0.006	73.494	-0.010
73.512	0.002	73.534	0.011	73.566	-0.001	73.593	0.027
73.602	0.039	73.617	0.011	73.635	-0.008	73.642	-0.012
73.656	0.024	73.676	0.040	73.690	0.020	73.709	0.004
73.713	-0.024	73.724	0.008	73.733	0.016	73.743	0.016
73.754	-0.000	73.765	-0.016	73.780	0.011	73.794	0.023
73.812	-0.013	73.819	-0.017	73.831	0.002	73.840	0.002

73.848	-0.006	73.860	-0.018	73.875	0.009	73.892	0.029
73.901	0.029	73.917	-0.007	73.935	-0.020	73.956	-0.020
73.968	-0.013	73.976	0.011	73.996	-0.006	74.023	-0.014
74.036	-0.015	74.047	0.025	74.059	0.040	74.067	0.040
74.080	-0.000	74.091	-0.024	74.110	0.007	74.134	0.006
74.149	0.006	74.158	0.038	74.170	0.050	74.183	0.034
74.196	0.006	74.208	-0.017	74.219	-0.013	74.229	0.022
74.242	0.014	74.252	-0.006	74.258	-0.017	74.276	0.014
74.285	0.042	74.300	0.026	74.316	-0.017	74.322	-0.025
74.336	-0.014	74.352	0.014	74.364	0.027	74.377	0.007
74.388	-0.032	74.398	-0.048	74.407	-0.048	74.421	-0.004
74.434	0.016	74.447	0.044	74.461	0.029	74.473	-0.003
74.485	-0.022	74.499	-0.006	74.516	0.026	74.525	0.058
74.536	0.019	74.546	-0.041	74.554	-0.065	74.563	-0.013
74.572	0.027	74.582	0.035	74.592	0.008	74.606	-0.024
74.614	-0.024	74.627	0.012	74.643	-0.000	74.661	-0.012
74.674	-0.048	74.684	-0.059	74.693	-0.035	74.700	0.004
74.715	0.060	74.726	0.060	74.740	0.036	74.750	0.005
74.764	-0.015	74.777	0.029	74.789	0.045	74.802	0.012
74.815	-0.035	74.826	-0.004	74.839	0.036	74.847	0.035
74.860	-0.005	74.873	-0.033	74.877	-0.025	74.887	0.023
74.901	0.046	74.910	0.046	74.924	-0.002	74.932	-0.038
74.938	-0.014	74.956	0.025	74.965	0.013	74.977	-0.011
74.990	-0.035	75.002	0.016	75.013	0.048	75.024	0.040
75.039	0.012	75.054	-0.012	75.064	0.019	75.081	0.023
75.092	0.007	75.115	-0.018	75.124	-0.034	75.134	-0.002
75.145	0.021	75.152	0.009	75.163	-0.007	75.175	-0.039
75.190	0.004	75.199	0.028	75.208	0.028	75.220	-0.017
75.227	-0.037	75.239	-0.041	75.246	0.003	75.257	0.046
75.269	0.026	75.283	-0.010	75.294	0.025	75.307	0.045
75.316	0.041	75.332	0.008	75.347	0.028	75.366	0.023
75.379	0.007	75.396	-0.005	75.409	0.018	75.422	0.046
75.429	0.042	75.437	0.021	75.447	-0.011	75.459	0.009
75.471	0.029	75.488	-0.004	75.509	-0.016	75.529	0.003
75.546	-0.021	75.566	-0.034	75.585	-0.034	75.601	-0.006
75.616	0.017	75.633	-0.011	75.643	-0.031	75.661	0.016
75.674	0.024	75.689	0.035	75.709	-0.009	75.723	-0.013
75.735	0.011	75.740	0.015	75.754	-0.001	75.759	-0.005
75.766	-0.013	75.774	-0.017	75.781	-0.029	75.793	-0.013
75.802	-0.005	75.816	-0.013	75.822	-0.017	75.829	0.002
75.839	0.018	75.849	0.030	75.860	0.014	75.871	0.006
75.886	-0.002	*75.901	-0.006	75.910	-0.017	75.923	-0.025
75.929	-0.009	75.936	0.006	75.949	0.030	75.957	0.018
75.975	0.002	75.983	0.002	75.993	0.010	76.003	0.022
76.012	0.030	76.019	0.018	76.029	0.010	76.038	-0.006
76.045	-0.013	76.054	-0.013	76.061	-0.025	76.072	-0.029
76.085	-0.033	76.094	-0.025	76.106	-0.009	76.118	0.014
76.129	0.026	76.141	0.026	76.156	0.014	76.166	0.006
76.183	0.018	76.209	-0.002	76.227	0.006	76.239	0.010
76.255	0.014	76.270	-0.002	76.280	-0.009	76.293	0.002
76.307	0.018	76.324	0.030	76.337	0.026	76.354	0.014
76.370	0.006	76.385	-0.002	76.399	0.026	76.413	0.038
76.422	0.022	76.435	-0.006	76.442	-0.018	76.449	-0.006
76.460	0.006	76.470	0.022	76.480	0.010	76.490	-0.002
76.500	-0.022	76.509	-0.010	76.520	0.001	76.529	0.013
76.542	0.025	76.560	0.017	76.571	0.025	76.588	0.033

76.597	0.017	76.609	-0.003	76.619	-0.011	76.629	0.005
76.641	0.009	76.651	0.001	76.668	-0.015	76.679	-0.023
76.692	-0.011	76.707	-0.003	76.721	-0.011	76.736	-0.027
76.745	-0.012	76.756	0.008	76.768	0.020	76.781	0.008
76.790	-0.004	76.799	0.004	76.812	0.012	76.826	0.020
76.837	0.012	76.852	-0.001	76.864	0.003	76.876	0.019
76.887	0.011	76.899	0.003	76.912	0.011	76.924	0.027
76.932	0.034	76.941	0.018	76.954	0.006	76.964	-0.002
76.977	0.022	76.987	0.022	76.998	-0.002	77.012	-0.022
77.020	-0.006	77.034	0.010	77.045	0.014	77.062	-0.010
77.074	-0.019	77.089	-0.015	77.106	-0.007	77.124	-0.011
77.142	-0.023	77.153	-0.007	77.166	0.004	77.189	0.000
77.217	0.016	77.249	-0.000	77.276	0.024	77.293	0.008
77.314	-0.020	77.322	-0.024	77.337	-0.013	77.346	-0.013
77.361	-0.021	77.375	-0.013	77.394	0.003	77.414	0.007
77.428	0.015	77.447	0.022	77.463	0.010	77.478	-0.006
77.495	0.006	77.522	-0.002	77.541	-0.002	77.564	-0.002
77.585	0.002	77.605	-0.003	77.626	0.005	77.652	-0.011
77.671	0.005	77.690	0.013	77.700	0.009	77.721	-0.011
77.729	-0.019	77.759	0.000	77.789	-0.028	77.806	-0.012
77.824	-0.000	77.842	0.011	77.857	0.019	77.872	0.023
77.885	0.003	77.904	-0.017	77.928	-0.013	77.941	-0.017
77.961	0.003	77.998	-0.014	78.026	0.006	78.038	-0.002
78.055	-0.006	78.072	0.006	78.095	0.017	78.116	-0.003
78.128	-0.007	78.149	0.013	78.167	-0.007	78.183	-0.015
78.203	-0.007	78.223	0.001	78.250	-0.016	78.272	-0.008
78.293	-0.012	78.317	-0.008	78.340	-0.000	78.358	-0.020
78.378	-0.005	78.399	-0.017	78.429	0.007	78.459	0.003
78.489	0.023	78.515	0.007	78.537	0.003	78.574	0.003
78.605	-0.001	78.640	-0.001	78.662	0.002	78.692	-0.013
78.713	-0.009	78.733	-0.006	78.757	0.010	78.783	0.006
78.802	0.018	78.828	-0.002	78.847	0.002	78.874	-0.002
78.905	-0.006	78.932	-0.002	78.961	0.006	78.983	0.002
78.998	-0.006	79.025	0.006	79.055	-0.002	79.086	0.014
79.106	0.006	79.132	0.002	79.155	-0.010	79.175	-0.022
79.192	-0.014	79.211	-0.002	79.242	0.006	79.262	0.014
79.286	0.006	79.308	0.002	79.325	-0.014	79.347	-0.010
79.363	-0.003	79.375	0.005	79.392	-0.019	79.408	-0.007
79.425	0.005	79.441	0.021	79.461	0.013	79.485	0.005
79.508	0.012	79.528	0.000	79.545	0.008	79.569	0.016
79.593	0.004	79.613	-0.000	79.635	-0.008	79.653	-0.009
79.672	-0.021	79.690	-0.013	79.712	-0.001	79.742	0.014
79.758	0.002	79.771	-0.006	79.789	-0.002	79.806	-0.006
79.820	-0.015	79.835	-0.003	79.858	-0.003	79.878	0.009
79.898	0.004	79.914	-0.004	79.934	-0.020	79.952	-0.008
79.978	-0.016	80.008	-0.017	80.038	0.007	80.055	-0.002
80.073	-0.010	80.090	-0.002	80.111	0.005	80.131	-0.003
80.154	-0.007	80.179	-0.011	80.197	-0.011	80.212	-0.019
80.229	-0.023	80.244	-0.011	80.264	0.000	80.284	0.000
80.307	0.004	80.325	0.004	80.338	0.004	80.354	-0.004
80.366	-0.012	80.384	0.004	80.399	-0.004	80.423	-0.008
80.443	-0.000	80.462	-0.005	80.481	-0.009	80.501	-0.017
80.521	0.003	80.542	0.003	80.557	0.004	80.575	0.012
80.600	-0.004	80.624	0.020	80.646	-0.000	80.672	0.012
80.689	0.004	80.712	-0.000	80.742	-0.008	80.778	-0.024
80.808	0.000	80.822	-0.008	80.847	-0.004	80.876	0.004

80.900	-0.004	80.927	0.004	80.950	-0.008	80.968	-0.004
80.990	0.000	81.013	-0.004	81.046	-0.000	81.075	0.004
81.096	0.003	81.113	-0.001	81.133	0.011	81.152	0.011
81.170	0.003	81.203	0.003	81.234	0.003	81.253	-0.009
81.271	-0.013	81.294	-0.002	81.314	0.010	81.336	0.002
81.360	-0.002	81.381	0.013	81.407	0.017	81.426	0.001
81.447	0.017	81.475	0.004	81.509	0.004	81.535	-0.000
81.554	0.012	81.576	-0.001	81.604	0.007	81.631	0.015
81.653	0.007	81.677	-0.001	81.707	-0.006	81.734	-0.002
81.757	0.006	81.782	0.014	81.817	0.009	81.848	0.005
81.872	0.009	81.897	-0.003	81.930	0.001	81.951	0.009
81.970	0.008	82.019	0.008	82.055	0.008	82.088	0.008
82.119	0.011	82.154	0.011	82.190	0.007	82.225	0.011
82.253	-0.001	82.296	0.011	82.323	-0.001	82.356	0.002
82.390	0.002	82.419	0.002	82.443	0.002	82.485	0.006
82.508	0.010	82.529	0.002	82.556	0.017	82.583	0.005
82.618	0.017	82.640	0.009	82.666	-0.007	82.684	0.005
82.711	-0.007	82.739	0.001	82.769	0.005	82.792	0.013
82.809	0.001	82.824	-0.007	82.841	0.000	82.862	0.008
82.879	0.020	82.900	0.000	82.927	0.004	82.951	-0.004
82.970	-0.000	82.991	0.008	83.014	0.012	83.035	0.008
83.051	0.007	83.076	0.015	83.108	0.015	83.137	0.015
83.165	0.007	83.199	0.011	83.230	-0.001	83.255	0.007
83.277	0.010	83.297	0.014	83.319	0.006	83.339	-0.002
83.359	-0.010	83.378	0.002	83.398	-0.010	83.425	-0.002
83.446	0.006	83.470	0.021	83.493	0.009	83.519	0.009
83.540	0.001	83.570	0.005	83.610	0.005	83.647	0.009
83.672	0.021	83.695	0.013	83.729	0.009	83.743	-0.003
83.755	-0.011	83.779	0.009	83.799	0.001	83.820	-0.011
83.840	-0.015	83.870	0.012	83.883	0.008	83.904	-0.004
83.918	0.000	83.933	0.012	83.953	0.024	83.965	0.008
83.982	-0.007	83.994	-0.011	84.015	0.004	84.034	0.004
84.051	0.012	84.069	0.000	84.083	-0.007	84.099	0.008
84.114	0.012	84.130	-0.004	84.150	-0.011	84.173	-0.015
84.191	0.004	84.211	0.000	84.231	0.020	84.245	0.012
84.262	-0.004	84.282	0.008	84.297	0.004	84.318	-0.008
84.335	-0.000	84.366	-0.004	84.386	0.015	84.407	0.003
84.431	-0.001	84.455	0.011	84.480	-0.001	84.499	0.011
84.526	0.011	84.552	-0.001	84.571	-0.005	84.588	0.010
84.607	-0.002	84.621	-0.010	84.641	0.010	84.658	0.002
84.675	-0.014	84.691	0.006	84.704	0.014	84.716	0.005
84.733	-0.011	84.748	-0.003	84.767	0.009	84.787	0.001
84.810	0.001	84.827	-0.007	84.844	0.004	84.861	0.008
84.875	0.000	84.890	-0.020	84.901	-0.004	84.915	0.004
84.933	-0.000	84.948	0.008	84.967	0.015	84.982	0.007
84.999	-0.001	85.015	-0.009	85.032	-0.017	85.045	-0.005
85.061	-0.001	85.076	-0.009	85.091	-0.013	85.104	-0.001
85.130	0.003	85.155	0.015	85.175	-0.009	85.189	-0.005
85.209	0.003	85.232	-0.013	85.252	-0.001	85.277	-0.001
85.293	0.007	85.307	0.011	85.327	-0.005	85.346	0.006
85.362	0.006	85.382	-0.010	85.397	-0.002	85.417	-0.010
85.435	-0.002	85.456	-0.002	85.475	-0.002	85.495	0.010
85.515	0.002	85.533	0.006	85.559	0.014	85.579	-0.002
85.597	-0.006	85.614	0.002	85.631	-0.006	85.651	0.006
85.670	0.006	85.687	-0.006	85.701	0.006	85.715	0.021
85.730	0.005	85.739	-0.003	85.751	-0.011	85.772	0.001

85.789	0.009	85.808	-0.003	85.826	-0.011	85.845	0.004
85.868	0.008	85.883	-0.004	85.902	-0.012	85.933	-0.012
85.960	-0.012	85.980	-0.001	86.010	-0.001	86.042	-0.005
86.082	-0.005	86.106	0.002	86.135	0.010	86.158	0.006
86.186	0.002	86.211	-0.006	86.233	0.002	86.256	-0.006
86.277	0.006	86.293	0.001	86.319	-0.015	86.335	0.001
86.356	0.005	86.383	-0.007	86.415	0.001	86.446	-0.011
86.469	0.001	86.486	-0.003	86.499	-0.007	86.508	-0.007
86.530	0.001	86.547	0.001	86.556	-0.007	86.571	-0.007
86.599	0.002	86.625	-0.010	*86.652	-0.006	86.675	-0.010
86.704	0.002	86.733	-0.002	86.743	-0.002	86.775	0.014
86.792	0.014	86.816	-0.002	86.833	0.014	86.862	0.002
86.884	0.002	86.902	-0.009	86.935	-0.009	86.960	-0.006
86.993	-0.006	87.019	0.006	87.042	-0.010	87.048	-0.011
87.070	0.013	87.077	0.013	87.098	-0.011	87.123	0.016
87.142	-0.008	87.157	-0.016	87.179	0.008	87.205	0.007
87.234	0.006	87.254	0.002	87.271	0.001	87.282	0.009
87.297	0.005	87.332	-0.001	87.353	-0.002	87.368	-0.010
87.389	0.013	87.395	0.013	87.410	0.000	87.435	-0.005
87.469	-0.006	87.504	-0.008	87.559	-0.010	87.582	-0.023
87.609	-0.000	87.635	-0.005	87.669	-0.006	87.683	-0.018
87.706	0.005	87.738	-0.019	87.804	-0.021	87.843	-0.022
87.867	-0.023	87.881	0.001	87.895	-0.008	87.914	-0.012
87.936	-0.005	87.947	-0.005	87.970	-0.022	87.997	-0.023
88.028	-0.012	88.044	0.008	88.071	-0.017	88.099	-0.002
88.131	-0.014	88.185	-0.015	88.226	-0.015	88.251	-0.027
88.271	-0.016	88.283	-0.008	88.312	-0.008	88.348	-0.004
88.371	-0.016	88.404	-0.020	88.431	-0.003	88.460	-0.015
88.489	0.001	88.497	0.001	88.521	-0.014	88.544	-0.038
88.574	-0.002	88.593	0.026	88.610	0.011	88.643	-0.017
88.680	-0.025	88.717	-0.009	88.754	0.003	88.773	-0.025
88.786	-0.037	88.808	-0.025	88.853	0.026	88.873	0.021
88.914	0.005	88.948	-0.044	88.967	-0.060	88.994	-0.021
89.023	-0.013	89.045	0.018	89.061	0.030	89.085	-0.007
89.106	-0.031	89.131	-0.011	89.141	0.017	89.157	-0.015
89.175	-0.047	89.206	0.001	89.232	-0.043	89.244	-0.043
89.264	0.032	89.276	0.020	89.301	-0.040	89.318	-0.032
89.333	0.004	89.348	0.008	89.377	-0.024	89.418	-0.004
89.445	-0.032	89.458	-0.040	89.487	-0.012	89.511	-0.004
89.528	0.020	89.548	-0.020	89.576	0.004	89.605	-0.044
89.631	-0.016	89.656	-0.016	89.680	0.027	89.695	0.027
89.722	0.007	89.748	-0.041	89.768	0.010	89.798	-0.010
89.835	-0.010	89.867	-0.019	89.883	0.017	89.912	-0.007
89.954	0.009	89.977	-0.019	89.992	-0.019	90.011	0.020
90.044	-0.019	90.098	-0.015	90.121	0.016	90.148	0.008
90.174	0.008	90.203	-0.004	90.234	-0.004	90.252	-0.015
90.278	0.012	90.300	-0.007	90.332	0.012	90.361	-0.012
90.376	0.003	90.395	-0.033	90.444	-0.001	90.502	0.014
90.538	0.009	90.568	0.009	90.603	0.008	90.626	-0.016
90.652	-0.004	90.677	-0.021	90.695	0.003	90.710	0.023
90.739	-0.009	90.768	0.014	90.806	-0.022	90.837	0.005
90.866	-0.015	90.892	0.012	90.931	-0.008	90.968	-0.028
90.992	-0.001	91.010	0.019	91.044	-0.002	91.094	-0.002
91.149	-0.019	91.179	0.004	91.201	-0.016	91.280	-0.012
91.307	0.004	91.327	-0.012	91.399	0.000	91.455	0.001
91.496	-0.011	91.561	-0.010	91.595	-0.018	91.622	0.002

91.642	-0.010	91.698	-0.009	91.730	0.010	91.760	-0.013
91.843	0.006	91.892	0.002	91.911	-0.002	91.951	0.014
91.980	-0.013	92.006	0.010	92.061	0.006	92.098	-0.009
92.130	-0.010	92.152	0.006	92.208	-0.010	92.255	0.006
92.311	0.005	92.377	0.005	92.430	-0.004	92.491	0.007
92.532	0.011	92.583	-0.010	92.644	-0.018	92.720	0.005
92.748	0.008	92.830	-0.013	92.869	-0.017	92.881	0.019
92.898	0.003	92.916	-0.025	92.939	0.011	92.961	-0.013
92.980	-0.021	93.022	-0.009	93.048	-0.009	93.065	-0.021
93.090	0.002	93.101	0.002	93.126	-0.018	93.151	0.010
93.165	0.010	93.180	-0.006	93.232	-0.007	93.268	-0.008
93.320	-0.009	93.370	0.002	93.411	0.002	93.440	-0.010
93.483	0.001	93.511	-0.003	93.549	-0.002	93.623	0.010
93.688	-0.006	93.733	-0.010	93.781	-0.019	93.826	0.004
93.870	0.003	93.887	0.019	93.953	-0.006	94.008	-0.010
94.101	0.001	94.178	0.001	94.266	-0.005	94.337	-0.002
94.400	-0.023	94.417	-0.023	94.444	0.001	94.490	-0.000
94.539	-0.012	94.619	-0.015	94.639	-0.031	94.723	-0.018
94.820	-0.010	94.883	0.006	95.000	-0.012	95.095	0.000
95.123	-0.015	95.209	-0.007	95.292	-0.003	95.371	0.013
95.401	0.013	95.423	-0.010	95.462	0.001	95.545	-0.003
95.632	0.001	95.740	-0.000	95.836	-0.001	95.958	0.001
96.058	-0.055	96.141	-0.004	96.219	-0.017	96.303	-0.003
96.361	-0.012	96.458	-0.015	96.552	-0.021	96.622	-0.022
96.724	-0.028	96.763	-0.017	96.794	-0.029	96.825	-0.033
96.845	-0.017	96.870	-0.024	96.893	-0.016	96.935	-0.031
96.972	-0.006	97.016	-0.012	97.072	-0.007	97.115	-0.010
97.173	-0.002	97.212	-0.009	97.255	0.006	97.298	-0.021
97.362	-0.002	97.416	-0.013	97.500	-0.002	97.581	0.010
97.625	-0.009						

IG110
71.032 2/9/71 0600 PST PASADENA, J.P.L., BSMT. DOWN

5548 POINTS 97.587 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1093 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.008	0.013	0.099	0.029	0.293	0.051	0.075
0.060	0.098	0.069	0.118	0.084	0.050	0.110	0.014
0.120	0.002	0.144	0.098	0.155	0.109	0.166	0.058
0.178	-0.105	0.185	-0.145	0.193	-0.118	0.206	-0.034
0.220	-0.011	0.227	-0.062	0.241	-0.281	0.247	-0.321
0.253	-0.273	0.270	-0.003	0.279	0.072	0.297	-0.008
0.302	-0.020	0.307	0.012	0.321	0.159	0.330	0.163
0.336	0.135	0.351	-0.044	0.364	-0.108	0.381	-0.088
0.389	-0.052	0.418	0.158	0.442	0.090	0.448	0.110
0.458	0.169	0.481	0.225	0.488	0.177	0.507	-0.038
0.515	-0.093	0.528	-0.121	0.549	-0.240	0.563	-0.324
0.573	-0.252	0.585	-0.022	0.593	0.018	0.611	-0.153
0.617	-0.113	0.635	0.097	0.643	0.137	0.659	0.037
0.675	0.037	0.681	0.002	0.706	-0.185	0.712	-0.213
0.730	-0.138	0.744	-0.261	0.756	-0.301	0.762	-0.249
0.774	-0.126	0.785	-0.066	0.797	-0.007	0.812	0.025
0.826	-0.035	0.835	0.037	0.852	0.359	0.860	0.406
0.866	0.359	0.881	0.120	0.889	0.084	0.893	0.144
0.905	0.454	0.910	0.502	0.919	0.422	0.932	0.088
0.938	0.040	0.948	0.024	0.960	-0.202	0.967	-0.230
0.972	-0.182	0.981	-0.023	0.986	0.008	0.991	-0.043
1.006	-0.190	1.011	-0.198	1.023	-0.179	1.031	-0.163
1.046	-0.004	1.053	0.032	1.069	-0.123	1.077	-0.155
1.082	-0.131	1.093	-0.076	1.112	-0.060	1.129	-0.211
1.134	-0.247	1.142	-0.179	1.158	0.131	1.164	0.179
1.188	-0.072	1.196	-0.112	1.204	-0.064	1.221	0.226
1.231	0.277	1.239	0.206	1.250	0.035	1.255	0.055
1.274	0.500	1.278	0.539	1.296	0.329	1.328	0.078
1.344	0.121	1.363	-0.145	1.372	-0.193	1.390	0.006
1.397	-0.034	1.411	-0.304	1.415	-0.316	1.428	-0.189
1.434	-0.181	1.453	-0.313	1.457	-0.313	1.481	-0.138
1.494	-0.134	1.515	-0.003	1.530	0.100	1.538	0.016
1.550	-0.214	1.557	-0.254	1.572	-0.055	1.575	-0.052
1.594	-0.242	1.606	-0.266	1.614	-0.259	1.635	-0.203
1.642	-0.088	1.661	0.317	1.669	0.349	1.681	0.329
1.690	0.373	1.710	0.488	1.725	0.452	1.734	0.464
1.740	0.412	1.754	0.158	1.760	0.122	1.772	0.213
1.778	0.221	1.784	0.141	1.797	-0.077	1.802	-0.093
1.808	-0.037	1.822	0.169	1.829	0.209	1.843	0.113
1.854	0.089	1.861	-0.002	1.872	-0.201	1.877	-0.221
1.881	-0.185	1.893	-0.038	1.898	-0.002	1.908	-0.058
1.917	-0.157	1.927	-0.352	1.940	-0.443	1.952	-0.519
1.959	-0.491	1.977	-0.261	1.994	-0.241	2.000	-0.170
2.022	0.295	2.031	0.343	2.045	0.311	2.054	0.232
2.066	-0.063	2.074	-0.086	2.086	-0.055	2.097	-0.138
2.109	-0.353	2.118	-0.357	2.122	-0.277	2.139	0.203
2.145	0.255	2.154	0.207	2.171	0.287	2.179	0.267
2.197	0.004	2.205	-0.067	2.210	-0.016	2.219	0.044
2.230	-0.004	2.250	0.107	2.265	-0.016	2.274	-0.056
2.296	0.139	2.305	0.147	2.309	0.044	2.323	-0.318
2.327	-0.334	2.333	-0.255	2.345	-0.112	2.352	-0.131
2.367	-0.092	2.379	-0.191	2.391	-0.378	2.398	-0.422
2.409	-0.390	2.415	-0.295	2.424	-0.112	2.429	0.154
2.434	0.242	2.447	0.210	2.455	0.309	2.469	0.742
2.473	0.770	2.478	0.695	2.499	0.011	2.508	-0.100
2.514	-0.037	2.528	0.178	2.539	0.285	2.548	0.206
2.561	-0.148	2.584	-0.438	2.589	-0.442	2.594	-0.394
2.612	0.039	2.619	0.083	2.626	0.007	2.641	-0.184
2.647	-0.184	2.661	-0.076	2.673	-0.160	2.687	-0.319
2.695	-0.259	2.712	-0.041	2.718	-0.029	2.745	-0.450
2.751	-0.470	2.755	-0.402	2.769	0.226	2.778	0.373
2.784	0.373	2.798	0.226	2.815	0.325	2.836	0.242
2.852	0.019	2.905	-0.442	2.915	-0.362	2.937	0.230
2.951	0.043	2.973	0.563	2.979	0.544	3.002	-0.247
3.010	-0.307	3.032	0.150	3.040	0.249	3.049	0.198
3.062	-0.124	3.067	-0.148	3.081	0.031	3.092	0.027
3.106	0.202	3.114	0.205	3.128	0.146	3.137	0.038
3.151	-0.443	3.158	-0.586	3.160	-0.582	3.174	-0.180
3.189	0.038	3.197	-0.089	3.210	-0.515	3.217	-0.562
3.232	-0.372	3.244	-0.264	3.263	0.308	3.278	0.435
3.285	0.546	3.293	0.530	3.312	0.883	3.318	0.836
3.335	0.597	3.359	-0.158	3.373	-0.257	3.390	-0.659
3.404	-0.774	3.413	-0.695	3.424	-0.381	3.431	-0.266
3.460	0.028	3.469	0.032	3.479	0.028	3.487	0.099
3.507	0.528	3.513	0.564	3.519	0.465	3.534	0.023
3.541	-0.004	3.546	0.083	3.558	0.409	3.564	0.452
3.570	0.357	3.584	-0.156	3.596	-0.545	3.601	-0.617
3.616	-0.394	3.622	-0.359	3.639	-0.621	3.646	-0.677
3.651	-0.613	3.665	-0.256	3.676	0.050	3.681	0.105
3.694	0.069	3.701	0.137	3.716	0.478	3.725	0.510

3.734	0.478	3.746	0.402	3.752	0.398	3.758	0.454
3.775	0.620	3.781	0.533	3.795	0.187	3.815	-0.168
3.819	-0.180	3.835	-0.144	3.842	-0.180	3.856	-0.335
3.864	-0.347	3.868	-0.324	3.884	-0.185	3.902	-0.364
3.909	-0.360	3.926	-0.070	3.934	-0.011	3.939	-0.067
3.954	-0.206	3.960	-0.222	3.969	-0.111	3.983	0.350
3.994	0.723	3.996	0.727	4.009	0.496	4.016	0.496
4.032	0.718	4.039	0.631	4.053	0.186	4.061	0.158
4.072	0.340	4.079	0.233	4.087	-0.069	4.093	-0.344
4.100	-0.415	4.114	-0.169	4.118	-0.173	4.126	-0.277
4.139	-0.734	4.148	-0.802	4.161	-0.627	4.170	-0.552
4.182	-0.639	4.192	-0.830	4.198	-1.025	4.208	-1.145
4.215	-1.045	4.228	-0.692	4.237	-0.521	4.250	-0.239
4.258	0.043	4.269	0.388	4.278	0.623	4.286	0.650
4.295	0.595	4.310	0.245	4.315	0.189	4.326	0.220
4.343	0.371	4.360	0.558	4.370	0.577	4.379	0.494
4.398	0.088	4.427	-0.036	4.438	-0.119	4.458	-0.394
4.467	-0.454	4.477	-0.394	4.492	-0.203	4.514	-0.486
4.530	-0.347	4.543	-0.386	4.554	-0.418	4.572	-0.728
4.578	-0.776	4.588	-0.601	4.610	0.189	4.619	0.352
4.632	0.483	4.655	1.071	4.665	0.896	4.680	0.427
4.702	0.006	4.707	0.042	4.730	0.435	4.748	0.197
4.769	0.089	4.784	0.192	4.814	-0.594	4.831	-0.301
4.852	0.439	4.859	0.454	4.887	-0.213	4.894	-0.273
4.907	-0.225	4.921	-0.376	4.940	-0.857	4.949	-0.909
4.958	-0.810	4.972	-0.436	4.984	-0.301	5.006	0.510
5.010	0.538	5.028	0.164	5.035	0.228	5.053	1.018
5.068	1.464	5.083	0.852	5.095	0.502	5.111	0.577
5.121	0.589	5.133	0.486	5.154	-0.134	5.168	-0.583
5.174	-0.603	5.181	-0.531	5.196	-0.162	5.213	-0.289
5.225	-0.412	5.234	-0.758	5.241	-1.000	5.249	-1.187
5.256	-1.195	5.266	-1.108	5.284	-0.579	5.298	-0.110
5.302	-0.043	5.317	-0.194	5.335	0.041	5.348	0.200
5.358	0.359	5.374	0.478	5.375	0.502	5.390	0.756
5.406	0.800	5.420	0.995	5.428	0.895	5.447	0.434
5.463	0.192	5.481	-0.281	5.505	-0.488	5.519	-0.400
5.530	-0.380	5.551	-0.464	5.574	-0.408	5.581	-0.480
5.592	-0.686	5.600	-0.694	5.624	-0.122	5.638	0.037
5.662	0.673	5.676	0.768	5.692	1.014	5.699	0.931
5.716	0.418	5.723	0.367	5.741	0.585	5.750	0.557
5.773	0.097	5.780	0.001	5.793	0.017	5.802	-0.070
5.821	-0.519	5.830	-0.635	5.848	-0.587	5.862	-0.643
5.869	-0.587	5.885	-0.285	5.891	-0.277	5.908	-0.428
5.920	-0.349	5.933	-0.317	5.953	-0.126	5.966	0.037
5.976	0.085	5.990	-0.066	5.999	-0.126	6.008	-0.035
6.019	0.283	6.026	0.319	6.038	0.168	6.053	0.236
6.071	0.510	6.080	0.565	6.103	0.327	6.123	0.001
6.131	-0.055	6.144	0.065	6.152	0.081	6.163	-0.094
6.173	-0.345	6.178	-0.357	6.185	-0.301	6.198	-0.035
6.219	0.204	6.226	0.224	6.239	0.033	6.248	-0.114
6.259	-0.150	6.269	-0.070	6.284	0.176	6.290	0.220
6.296	0.180	6.312	-0.071	6.323	-0.369	6.329	-0.444
6.336	-0.404	6.347	-0.261	6.363	-0.130	6.383	0.410
6.401	0.521	6.412	0.688	6.421	0.728	6.430	0.656
6.444	0.263	6.454	0.128	6.470	0.013	6.478	-0.095
6.491	-0.333	6.504	-0.572	6.510	-0.552	6.524	-0.401

6.531	-0.365	6.546	-0.520	6.557	-0.727	6.576	-0.484
6.585	-0.421	6.593	-0.349	6.615	0.052	6.643	0.426
6.651	0.350	6.665	-0.004	6.671	-0.031	6.700	0.092
6.709	-0.008	6.724	-0.369	6.731	-0.469	6.735	-0.508
6.743	-0.453	6.757	-0.262	6.763	-0.218	6.778	-0.389
6.784	-0.413	6.789	-0.397	6.794	-0.286	6.816	0.322
6.836	0.413	6.854	0.215	6.860	0.199	6.863	0.227
6.878	0.382	6.887	0.302	6.907	-0.131	6.915	-0.195
6.929	-0.151	6.941	-0.163	6.967	-0.064	6.972	-0.052
6.980	-0.112	7.006	-0.318	7.027	-0.382	7.034	-0.346
7.053	-0.136	7.058	-0.120	7.068	-0.132	7.089	0.202
7.096	0.230	7.103	0.174	7.133	-0.100	7.147	-0.299
7.155	-0.362	7.162	-0.331	7.180	-0.104	7.188	-0.065
7.197	-0.084	7.215	0.078	7.232	0.225	7.240	0.237
7.247	0.186	7.259	0.011	7.267	-0.029	7.279	0.007
7.296	0.249	7.304	0.281	7.313	0.181	7.329	-0.176
7.336	-0.216	7.356	0.062	7.362	0.122	7.372	0.070
7.383	0.014	7.393	0.006	7.405	-0.053	7.410	-0.065
7.420	-0.010	7.435	0.165	7.444	0.205	7.449	0.173
7.464	0.113	7.479	0.062	7.488	-0.018	7.504	-0.217
7.536	-0.320	7.551	-0.296	7.568	-0.348	7.584	-0.336
7.595	-0.264	7.608	-0.054	7.618	0.006	7.627	0.034
7.643	-0.018	7.650	0.022	7.664	0.153	7.673	0.161
7.682	0.065	7.688	0.049	7.700	0.093	7.706	0.045
7.715	-0.046	7.726	-0.249	7.732	-0.328	7.737	-0.293
7.747	-0.090	7.758	-0.030	7.776	-0.177	7.781	-0.161
7.795	-0.074	7.809	-0.022	7.816	0.053	7.833	0.359
7.840	0.407	7.860	0.383	7.868	0.311	7.877	0.180
7.882	0.160	7.898	0.343	7.904	0.303	7.923	0.033
7.931	0.001	7.935	0.037	7.948	0.105	7.958	0.009
7.978	-0.527	7.989	-0.539	8.007	-0.273	8.022	-0.027
8.026	-0.051	8.039	-0.142	8.044	-0.170	8.052	-0.110
8.071	0.053	8.079	0.089	8.098	0.025	8.112	0.017
8.125	0.045	8.131	0.005	8.146	-0.182	8.153	-0.146
8.171	0.037	8.180	0.061	8.201	-0.297	8.212	-0.380
8.231	-0.202	8.235	-0.182	8.248	-0.209	8.259	-0.241
8.275	-0.297	8.289	-0.297	8.303	-0.289	8.312	-0.217
8.318	-0.130	8.324	-0.051	8.330	-0.074	8.334	-0.066
8.349	-0.114	8.367	0.009	8.383	0.041	8.402	0.283
8.419	0.399	8.440	0.474	8.451	0.458	8.463	0.482
8.487	0.363	8.502	0.212	8.507	0.192	8.519	0.212
8.531	0.160	8.551	-0.051	8.564	-0.194	8.583	-0.258
8.600	-0.277	8.606	-0.222	8.618	-0.055	8.626	-0.035
8.632	-0.095	8.643	-0.222	8.649	-0.234	8.660	-0.162
8.666	-0.138	8.670	-0.174	8.682	-0.238	8.686	-0.234
8.701	-0.127	8.706	-0.115	8.727	-0.194	8.735	-0.194
8.742	-0.163	8.761	-0.067	8.777	0.096	8.783	0.120
8.796	0.104	8.805	0.167	8.833	0.386	8.855	0.501
8.862	0.517	8.870	0.481	8.883	0.401	8.899	0.354
8.906	0.231	8.918	0.004	8.929	-0.068	8.937	-0.056
8.944	0.012	8.957	0.214	8.961	0.210	8.975	0.147
8.981	0.163	8.993	0.258	9.010	0.349	9.014	0.313
9.027	0.190	9.037	0.099	9.046	0.003	9.058	-0.100
9.064	-0.044	9.080	0.222	9.094	0.353	9.113	0.432
9.118	0.452	9.141	0.206	9.155	-0.045	9.164	-0.096
9.177	0.058	9.186	-0.005	9.202	-0.347	9.210	-0.446

9.216	-0.363	9.235	-0.025	9.241	-0.005	9.260	-0.105
9.281	0.070	9.287	0.042	9.304	-0.141	9.310	-0.181
9.330	-0.085	9.335	-0.053	9.341	-0.081	9.355	-0.173
9.366	-0.125	9.384	-0.093	9.400	-0.018	9.414	-0.105
9.430	-0.391	9.434	-0.380	9.454	-0.042	9.461	0.050
9.487	0.256	9.500	0.212	9.529	0.312	9.537	0.304
9.556	0.030	9.565	0.010	9.577	0.010	9.600	-0.086
9.606	-0.086	9.614	-0.038	9.631	0.137	9.640	0.160
9.648	0.125	9.664	0.029	9.687	0.037	9.706	-0.078
9.722	-0.170	9.731	-0.229	9.748	-0.154	9.759	-0.126
9.777	-0.031	9.785	-0.043	9.810	-0.174	9.813	-0.202
9.825	-0.090	9.839	0.089	9.858	0.160	9.875	0.196
9.893	-0.031	9.899	-0.023	9.918	0.025	9.925	0.005
9.941	-0.082	9.946	-0.090	9.961	0.049	9.966	0.049
9.978	-0.047	9.986	-0.055	10.000	0.009	10.009	-0.027
10.023	-0.154	10.029	-0.170	10.035	-0.102	10.045	0.009
10.051	0.057	10.056	0.025	10.066	-0.031	10.074	0.005
10.091	0.176	10.111	0.263	10.123	0.283	10.140	0.208
10.150	0.196	10.165	0.303	10.173	0.208	10.192	-0.241
10.202	-0.341	10.214	-0.325	10.239	-0.464	10.247	-0.508
10.263	-0.412	10.284	-0.062	10.290	-0.039	10.303	-0.066
10.326	0.148	10.352	0.128	10.377	-0.118	10.392	-0.150
10.401	-0.166	10.411	-0.202	10.440	-0.031	10.454	0.013
10.465	0.049	10.473	0.061	10.479	0.025	10.490	-0.134
10.496	-0.126	10.508	-0.086	10.522	-0.158	10.532	-0.213
10.536	-0.189	10.550	-0.062	10.558	0.006	10.570	0.065
10.591	0.161	10.598	0.192	10.603	0.169	10.608	0.125
10.626	-0.054	*10.633	-0.097	10.657	-0.153	10.666	-0.129
10.685	-0.017	10.691	-0.021	10.703	-0.137	10.726	0.015
10.731	0.035	10.746	-0.073	10.754	-0.088	10.760	-0.049
10.773	0.035	10.781	0.063	10.800	0.119	10.818	0.198
10.832	0.262	10.838	0.254	10.855	0.163	10.865	-0.008
10.878	-0.318	10.887	-0.394	10.906	-0.278	10.924	-0.382
10.932	-0.346	10.949	-0.103	10.961	-0.028	10.971	-0.056
10.998	-0.175	11.013	-0.139	11.030	-0.206	11.055	-0.175
11.063	-0.123	11.086	0.171	11.092	0.203	11.106	0.124
11.112	0.147	11.127	0.195	11.140	0.136	11.156	0.112
11.175	-0.011	11.180	-0.031	11.195	-0.003	11.220	-0.063
11.226	-0.071	11.250	0.195	11.260	0.231	11.270	0.184
11.306	-0.051	11.314	-0.047	11.326	0.001	11.347	-0.106
11.361	-0.067	11.385	0.188	11.404	0.120	11.428	0.279
11.437	0.311	11.460	0.065	11.468	0.041	11.481	0.077
11.487	0.085	11.504	-0.102	11.511	-0.142	11.523	-0.126
11.540	-0.253	11.549	-0.293	11.558	-0.289	11.579	-0.134
11.586	-0.114	11.601	-0.134	11.611	-0.106	11.627	0.120
11.635	0.184	11.648	0.160	11.671	0.128	11.681	0.013
11.692	-0.039	11.710	0.077	11.727	0.128	11.750	0.323
11.755	0.311	11.767	0.196	11.790	0.164	11.815	-0.074
11.825	-0.114	11.851	-0.154	11.865	-0.142	11.875	-0.118
11.891	0.049	11.899	0.065	11.913	0.053	11.927	0.085
11.948	0.097	11.966	0.017	11.974	0.037	11.998	0.128
12.008	0.156	12.033	0.128	12.049	0.144	12.056	0.120
12.073	-0.011	12.099	-0.130	12.105	-0.126	12.116	-0.106
12.142	-0.225	12.149	-0.221	12.164	-0.174	12.179	-0.229
12.186	-0.206	12.203	-0.039	12.210	-0.015	12.215	-0.039
12.232	-0.090	12.238	-0.102	12.258	-0.066	12.277	-0.106

12.287	-0.070	12.308	-0.019	12.321	0.025	12.327	-0.003
12.343	-0.138	12.352	-0.162	12.359	-0.134	12.376	-0.031
12.385	-0.007	12.400	-0.007	12.423	0.081	12.434	0.089
12.457	0.069	12.470	0.029	12.489	0.081	12.495	0.057
12.515	-0.070	12.529	-0.118	12.536	-0.098	12.553	-0.023
12.581	0.057	12.599	0.029	12.611	0.057	12.632	-0.031
12.653	0.041	12.681	-0.007	12.696	-0.066	12.710	-0.078
12.717	-0.102	12.732	-0.202	12.742	-0.233	12.753	-0.182
12.771	0.057	12.782	0.112	12.800	0.025	12.816	-0.011
12.832	-0.162	12.839	-0.194	12.847	-0.150	12.860	-0.023
12.867	-0.043	12.880	-0.070	12.889	-0.027	12.902	0.100
12.908	0.096	12.923	-0.031	12.931	-0.059	12.937	-0.011
12.952	0.152	12.958	0.176	12.979	0.025	12.984	-0.003
12.992	0.021	13.008	0.104	13.014	0.104	13.035	0.005
13.045	-0.011	13.054	0.013	13.077	0.084	13.084	0.096
13.092	0.064	13.102	0.029	13.110	0.060	13.125	0.156
13.131	0.160	13.138	0.128	13.156	0.036	13.177	-0.166
13.190	-0.285	13.202	-0.337	13.212	-0.353	13.233	-0.301
13.248	-0.254	13.267	-0.150	13.279	-0.031	13.287	0.068
13.293	0.112	13.301	0.068	13.313	-0.055	13.320	-0.051
13.334	-0.031	13.340	-0.063	13.354	-0.127	13.363	-0.075
13.378	0.064	13.384	0.060	13.397	0.016	13.405	0.060
13.417	0.135	13.424	0.116	13.440	0.044	13.461	0.088
13.479	0.048	13.503	0.072	13.526	0.000	13.545	0.012
13.560	-0.008	13.589	0.060	13.607	0.075	13.622	0.067
13.638	0.087	13.647	0.067	13.676	-0.012	13.709	-0.076
13.726	-0.120	13.732	-0.096	13.747	-0.044	13.759	-0.033
13.773	-0.029	13.791	-0.013	13.804	-0.005	13.822	0.098
13.833	0.118	13.839	0.082	13.866	-0.041	13.883	-0.097
13.908	-0.009	13.923	-0.017	13.935	0.046	13.947	0.149
13.952	0.153	13.966	0.102	13.972	0.098	13.990	0.169
14.021	0.165	14.041	0.073	14.071	0.057	14.099	0.149
14.121	0.049	14.143	0.013	14.164	-0.042	14.170	-0.030
14.188	0.061	14.199	0.085	14.218	0.045	14.239	0.041
14.260	-0.055	14.278	-0.091	14.297	-0.170	14.309	-0.178
14.321	-0.151	14.338	-0.083	14.347	-0.071	14.352	-0.099
14.367	-0.163	14.373	-0.139	14.387	-0.020	14.405	0.016
14.419	0.067	14.439	0.004	14.448	-0.005	14.467	0.059
14.487	0.003	14.497	-0.005	14.520	0.114	14.544	0.122
14.558	0.146	14.575	0.102	14.603	0.094	14.626	-0.006
14.650	0.105	14.672	0.002	14.682	0.010	14.704	0.041
14.716	0.069	14.733	0.112	14.749	0.077	14.760	0.025
14.775	-0.071	14.782	-0.099	14.802	-0.079	14.824	-0.182
14.850	-0.004	14.864	0.020	14.879	0.008	14.915	0.051
14.936	-0.064	14.947	-0.084	14.954	-0.041	14.972	0.102
14.978	0.110	14.993	0.031	15.019	0.106	15.048	-0.037
15.072	-0.050	15.086	-0.093	15.093	-0.082	15.113	0.014
15.122	0.026	15.143	-0.006	15.164	0.021	15.179	-0.003
15.204	-0.071	15.216	-0.102	15.236	-0.071	15.257	-0.147
15.265	-0.167	15.274	-0.135	15.293	-0.028	15.302	0.004
15.324	0.024	15.343	0.099	15.351	0.103	15.373	-0.060
15.384	-0.080	15.409	-0.056	15.419	-0.009	15.437	0.130
15.458	0.098	15.471	0.042	15.488	-0.041	15.516	-0.049
15.543	-0.101	15.556	-0.101	15.584	0.037	15.610	0.125
15.618	0.132	15.635	0.081	15.651	0.104	15.672	0.060
15.690	-0.007	15.700	0.009	15.730	0.048	15.748	-0.012

15.757	-0.024	15.775	0.024	15.783	0.012	15.797	-0.012
15.821	0.043	15.827	0.023	15.852	-0.088	15.870	-0.128
15.886	-0.184	15.896	-0.180	15.931	-0.121	15.940	-0.073
15.958	0.054	15.968	0.086	15.983	0.106	15.999	0.145
16.009	0.101	16.024	-0.042	16.035	-0.086	16.060	-0.046
16.070	-0.066	16.086	-0.110	16.097	-0.066	16.117	0.073
16.128	0.100	16.139	0.068	16.160	0.001	16.166	-0.003
16.178	0.040	16.183	0.048	16.199	0.012	16.207	0.036
16.225	0.115	16.233	0.131	16.251	0.083	16.267	0.075
16.288	-0.000	16.295	-0.028	16.302	-0.000	16.319	0.039
16.334	0.047	16.353	0.083	16.360	0.059	16.381	-0.029
16.406	-0.097	16.417	-0.117	16.427	-0.077	16.445	0.010
16.457	0.030	16.489	0.030	16.501	-0.014	16.520	-0.117
16.529	-0.133	16.554	-0.082	16.571	-0.078	16.593	-0.039
16.611	-0.110	16.620	-0.110	16.630	-0.075	16.652	0.088
16.664	0.112	16.687	0.100	16.709	-0.008	16.734	-0.012
16.756	-0.064	16.780	0.004	16.800	0.012	16.829	0.103
16.839	0.099	16.863	-0.017	16.869	-0.033	16.886	0.027
16.894	0.035	16.905	0.007	16.922	-0.073	16.934	-0.101
16.944	-0.077	16.964	-0.001	16.988	0.006	17.007	-0.014
17.027	0.074	17.035	0.085	17.059	0.006	17.071	-0.002
17.091	0.006	17.111	0.109	17.119	0.121	17.134	0.081
17.145	0.053	17.154	-0.003	17.195	-0.098	17.208	-0.118
17.235	-0.051	17.260	-0.067	17.284	-0.020	17.300	-0.016
17.323	0.060	17.351	0.059	17.366	0.043	17.379	0.043
17.396	0.007	17.419	0.063	17.446	-0.064	17.467	-0.025
17.497	-0.013	17.519	0.082	17.530	0.106	17.553	0.074
17.574	0.106	17.586	0.058	17.601	-0.069	17.613	-0.113
17.633	-0.101	17.645	-0.102	17.662	-0.066	17.671	-0.086
17.687	-0.173	17.697	-0.193	17.721	-0.098	17.752	-0.015
17.767	0.049	17.782	0.116	17.791	0.140	17.806	0.108
17.819	0.072	17.835	0.048	17.859	-0.007	17.875	0.020
17.902	0.044	17.922	0.080	17.942	0.032	17.960	0.071
17.970	0.075	17.976	0.051	17.991	-0.008	17.999	-0.016
18.007	-0.000	18.018	0.023	18.026	0.031	18.030	0.015
18.044	-0.020	18.062	-0.032	18.071	-0.048	18.086	-0.088
18.092	-0.100	18.105	-0.064	18.115	-0.053	18.124	-0.065
18.142	-0.096	18.152	-0.120	18.172	-0.093	18.187	-0.089
18.211	-0.057	18.225	-0.061	18.244	-0.029	18.260	-0.002
18.283	0.082	18.295	0.113	18.321	0.101	18.345	-0.022
18.359	-0.058	18.379	0.002	18.402	-0.002	18.421	0.022
18.442	-0.038	18.450	-0.046	18.476	0.037	18.487	0.057
18.507	0.018	18.523	0.006	18.532	-0.022	18.550	-0.106
18.573	-0.130	18.592	-0.098	18.618	-0.003	18.639	0.049
18.649	0.037	18.679	-0.046	18.696	-0.074	18.710	-0.086
18.731	-0.019	18.748	0.029	18.773	0.065	18.788	0.073
18.797	0.061	18.814	-0.003	18.824	-0.015	18.843	0.053
18.852	0.057	18.873	0.033	18.890	0.045	18.899	0.025
18.922	-0.035	18.953	-0.051	18.973	-0.067	18.988	-0.051
19.019	-0.067	19.027	-0.051	19.044	-0.015	19.076	0.028
19.109	0.100	19.128	0.139	19.142	0.159	19.149	0.147
19.176	0.036	19.191	-0.012	19.204	-0.028	19.251	-0.020
19.256	-0.008	19.290	0.012	19.312	0.031	19.327	0.019
19.353	0.075	19.362	0.059	19.393	-0.013	19.411	-0.088
19.416	-0.076	19.434	0.035	19.447	0.062	19.459	0.062
19.480	0.003	19.507	-0.065	19.517	-0.073	19.532	-0.045

19.554	0.006	19.572	0.034	19.577	0.038	19.597	-0.018
19.616	-0.026	19.641	-0.050	19.661	-0.058	19.675	-0.078
19.703	0.002	19.738	0.109	19.750	0.097	19.769	0.053
19.789	0.077	19.810	0.049	19.825	0.010	19.848	-0.070
19.878	-0.054	19.902	-0.050	19.917	0.017	19.937	0.097
19.944	0.117	19.953	0.093	19.976	0.029	20.005	0.017
20.022	-0.027	20.044	0.017	20.057	0.017	20.074	-0.003
20.094	0.013	20.106	0.001	20.129	-0.055	20.163	-0.023
20.178	-0.035	20.198	0.009	20.216	0.021	20.252	-0.082
20.264	-0.090	20.312	0.017	20.321	0.029	20.341	-0.023
20.373	0.049	20.395	0.097	20.415	0.041	20.444	-0.015
20.469	-0.031	20.478	-0.039	20.496	-0.015	20.515	-0.027
20.540	0.045	20.569	-0.047	20.584	-0.055	20.604	-0.074
20.617	-0.055	20.636	0.009	20.652	0.041	20.662	0.025
20.682	-0.046	20.692	-0.070	20.699	-0.054	20.714	-0.011
20.737	-0.011	20.758	0.081	20.767	0.089	20.787	0.041
20.803	0.069	20.814	0.069	20.824	0.041	20.835	-0.006
20.855	-0.118	20.871	-0.149	20.883	-0.141	20.894	-0.110
20.916	0.002	20.924	0.018	20.954	-0.014	20.980	0.041
21.004	-0.014	21.027	0.018	21.042	-0.006	21.068	0.081
21.088	0.050	21.104	0.062	21.115	0.014	21.134	-0.058
21.151	-0.069	21.170	-0.093	21.204	-0.038	21.224	-0.006
21.248	-0.034	21.269	-0.010	21.287	-0.022	21.307	-0.006
21.328	-0.025	21.349	0.022	21.380	0.030	21.405	0.042
21.413	0.023	21.427	-0.021	21.436	-0.013	21.446	-0.009
*21.465	-0.049	21.481	-0.017	21.498	0.023	21.509	0.035
21.534	-0.021	21.553	0.003	21.573	-0.044	21.601	-0.028
21.630	-0.076	21.649	-0.052	21.674	-0.012	21.686	-0.000
21.716	-0.044	21.739	-0.016	21.759	-0.004	21.785	0.052
21.804	0.072	21.819	0.056	21.833	0.076	21.854	0.044
21.871	0.052	21.893	0.008	21.905	0.032	21.924	0.064
21.961	-0.020	21.983	0.000	22.006	-0.012	22.023	0.008
22.037	0.036	22.049	0.044	22.054	0.016	22.073	-0.047
22.093	-0.087	22.109	-0.127	22.118	-0.099	22.140	-0.012
22.154	0.008	22.171	0.048	22.179	0.044	22.204	-0.036
22.227	-0.052	22.238	-0.032	22.251	-0.020	22.273	-0.056
22.288	-0.037	22.303	-0.009	22.323	0.043	22.332	0.054
22.366	-0.041	22.386	-0.026	22.406	-0.038	22.432	-0.018
22.454	-0.042	22.473	-0.006	22.493	0.001	22.507	0.005
22.519	-0.019	22.534	-0.055	22.545	-0.043	22.568	-0.003
22.579	0.029	22.594	0.064	22.602	0.060	22.624	0.024
22.638	0.036	22.657	0.056	22.672	0.064	22.683	0.071
22.697	0.024	22.711	-0.012	22.723	0.015	22.739	0.031
22.758	0.007	22.773	-0.029	22.787	-0.017	22.801	-0.034
22.811	-0.010	22.826	0.006	22.836	-0.010	22.855	-0.054
22.868	-0.050	22.888	-0.086	22.901	-0.075	22.917	-0.051
22.934	-0.019	22.946	-0.012	22.954	-0.028	22.968	-0.064
22.977	-0.076	22.990	-0.044	23.010	0.059	23.024	0.099
23.043	0.110	23.066	0.098	23.079	0.082	23.105	0.062
23.116	0.038	23.138	-0.046	23.155	-0.070	23.173	-0.054
23.195	-0.011	23.220	0.037	23.231	0.036	23.253	0.000
23.275	0.064	23.301	0.079	23.318	0.087	23.328	0.063
23.348	0.007	23.360	0.003	23.378	0.011	23.396	-0.017
23.423	-0.081	23.438	-0.121	23.449	-0.113	23.476	-0.038
23.493	0.002	23.499	0.010	23.517	0.010	23.531	0.030
23.550	0.014	23.570	0.014	23.595	-0.014	23.618	-0.006

23.630	-0.026	23.647	-0.062	23.673	-0.010	23.696	-0.014
23.723	0.029	23.756	-0.027	23.776	-0.011	23.789	-0.019
23.812	0.029	23.834	0.001	23.850	0.013	23.880	-0.034
23.898	-0.023	23.919	-0.011	23.932	-0.003	23.946	-0.022
23.972	-0.014	23.992	0.005	24.008	0.006	24.018	0.002
24.040	-0.026	24.054	-0.022	24.076	-0.046	24.096	-0.038
24.119	-0.058	24.144	-0.014	24.182	-0.014	24.213	-0.002
24.229	-0.002	24.248	0.022	24.266	0.022	24.284	0.034
24.305	0.010	24.324	-0.002	24.348	-0.049	24.361	-0.037
24.379	-0.022	24.401	-0.041	24.422	-0.033	24.445	-0.073
24.454	-0.069	24.474	-0.033	24.491	0.007	24.502	0.018
24.526	-0.001	24.552	0.011	24.573	0.015	24.607	0.039
24.627	0.039	24.650	0.055	24.663	0.035	24.687	0.003
24.705	-0.005	24.726	0.023	24.744	0.015	24.761	0.031
24.784	-0.049	24.811	-0.077	24.830	-0.097	24.843	-0.069
24.858	-0.022	24.887	-0.018	24.909	-0.006	24.926	-0.018
24.954	0.017	24.964	0.005	24.984	-0.031	25.002	0.001
25.016	0.009	25.036	0.001	25.057	-0.027	25.082	-0.051
25.098	-0.047	25.115	-0.044	25.131	-0.036	25.151	-0.044
25.164	-0.036	25.178	-0.016	25.197	0.019	25.206	0.019
25.225	-0.013	25.240	-0.021	25.257	-0.057	25.267	-0.029
25.286	0.035	25.296	0.042	25.318	0.026	25.342	-0.010
25.364	-0.026	25.391	-0.010	25.410	-0.034	25.433	-0.019
25.451	0.005	25.469	0.021	25.494	0.044	25.506	0.044
25.524	0.024	25.545	0.020	25.561	0.012	25.584	-0.016
25.599	-0.028	25.610	-0.036	25.628	-0.013	25.645	0.007
25.668	-0.009	25.685	-0.006	25.699	-0.018	25.718	-0.046
25.730	-0.054	25.750	-0.022	25.777	0.022	25.791	0.049
25.803	0.093	25.814	0.101	25.830	0.077	25.856	0.013
25.884	-0.010	25.903	-0.018	25.928	0.045	25.953	0.037
25.984	0.065	25.996	0.049	26.017	0.005	26.037	-0.011
26.059	-0.059	26.078	-0.083	26.097	-0.091	26.120	-0.075
26.141	-0.031	26.178	0.036	26.189	0.052	26.206	0.020
26.239	-0.028	26.268	-0.020	26.285	-0.008	26.307	0.019
26.330	0.003	26.359	0.035	26.400	0.043	26.412	0.043
26.431	-0.005	26.453	-0.045	26.467	-0.025	26.490	0.018
26.523	0.026	26.540	0.026	26.565	-0.014	26.585	0.014
26.612	-0.030	26.642	0.017	26.674	0.001	26.706	-0.011
26.725	-0.023	26.743	0.001	26.768	-0.003	26.795	0.053
26.808	0.057	26.836	0.045	26.852	0.013	26.877	-0.027
26.901	-0.035	26.921	-0.011	26.951	0.013	26.981	0.045
27.000	0.025	27.028	0.001	27.068	0.037	27.086	0.017
27.122	0.009	27.143	0.001	27.175	-0.019	27.197	-0.003
27.241	0.017	27.265	0.005	27.276	0.009	27.295	0.001
27.315	0.017	27.341	0.001	27.357	0.005	27.375	0.001
27.401	0.017	27.419	0.009	27.445	0.033	27.482	0.009
27.506	-0.047	27.545	-0.055	27.568	-0.011	27.588	0.009
27.618	0.009	27.634	-0.019	27.668	0.001	27.690	0.009
27.713	0.032	27.735	0.001	27.755	-0.007	27.774	-0.023
27.801	-0.012	27.824	-0.008	27.841	0.000	27.856	-0.012
27.879	0.008	27.901	-0.012	27.948	0.004	27.971	-0.048
28.009	-0.048	28.035	0.004	28.049	0.012	28.068	-0.028
28.100	0.047	28.136	-0.009	28.154	-0.009	28.186	-0.056
28.205	-0.025	28.231	-0.052	28.252	-0.037	28.264	-0.044
28.287	-0.001	28.304	0.015	28.322	0.027	28.336	0.004
28.354	-0.020	28.379	0.028	28.404	-0.068	28.425	-0.071

28.451	0.000	28.474	-0.043	28.497	0.040	28.517	-0.003
28.535	0.013	28.554	0.033	28.577	0.041	28.596	0.061
28.614	0.053	28.635	-0.019	28.666	-0.030	28.689	-0.050
28.704	-0.030	28.724	-0.038	28.749	-0.101	28.767	-0.022
28.780	0.002	28.792	-0.022	28.807	-0.061	28.822	-0.013
28.845	0.007	28.871	0.043	28.889	0.015	28.904	0.027
28.918	0.015	28.948	0.059	28.972	0.016	28.986	0.020
29.018	-0.008	29.064	-0.012	29.085	-0.028	29.111	0.052
29.130	0.044	29.148	0.020	29.166	0.008	29.192	-0.047
29.218	0.044	29.241	0.004	29.262	0.024	29.284	0.028
29.307	-0.007	29.322	0.013	29.343	-0.011	29.360	-0.003
29.374	-0.011	29.397	0.040	29.420	-0.003	29.448	-0.007
29.475	-0.051	29.495	-0.027	29.527	-0.003	29.566	0.037
29.581	0.053	29.601	0.033	29.622	0.081	29.636	0.093
29.658	0.045	29.691	0.005	29.721	0.033	29.737	0.017
29.756	0.049	29.768	0.025	29.785	-0.023	29.803	-0.003
29.819	-0.019	29.839	0.009	29.856	0.013	29.877	-0.003
29.891	-0.027	29.907	-0.055	29.931	-0.047	29.953	-0.027
29.977	0.001	30.000	0.021	30.019	0.021	30.043	0.017
30.060	-0.015	30.082	0.005	30.102	-0.011	30.126	-0.023
30.141	-0.031	30.155	-0.003	30.176	0.049	30.193	0.037
30.214	0.085	30.236	-0.011	30.249	-0.007	30.270	0.013
30.297	0.013	30.314	-0.027	30.335	0.009	30.347	-0.007
30.377	-0.051	30.404	-0.015	30.424	-0.027	30.444	0.013
30.460	-0.003	30.484	0.049	30.507	-0.003	30.518	-0.003
30.539	0.017	30.565	0.017	30.581	-0.003	30.595	-0.027
30.609	-0.015	30.631	-0.090	30.647	-0.078	30.667	-0.062
30.683	-0.011	30.710	0.037	30.732	0.021	30.760	0.093
30.769	0.089	30.789	-0.011	30.798	-0.019	30.821	0.033
30.833	0.029	30.858	-0.003	30.889	-0.011	30.910	-0.082
30.921	-0.110	30.936	-0.078	30.962	0.029	30.975	0.045
30.993	0.041	31.014	-0.051	31.034	-0.082	31.042	-0.058
31.060	0.009	31.069	0.025	31.086	0.029	31.095	0.065
31.111	0.116	31.124	0.120	31.138	0.108	31.147	0.069
31.167	-0.035	31.179	-0.066	31.191	-0.058	31.211	-0.007
31.225	0.073	31.237	0.112	31.245	0.108	31.256	0.097
31.269	0.057	31.301	-0.066	31.314	-0.114	31.321	-0.134
31.328	-0.114	31.345	-0.078	31.364	-0.070	31.400	0.069
31.414	0.085	31.443	-0.027	31.459	-0.027	31.480	-0.086
31.502	-0.039	31.529	-0.003	31.547	0.013	31.568	-0.026
31.596	0.045	31.606	0.053	31.624	0.017	31.642	0.010
31.667	-0.074	31.677	-0.034	31.701	0.065	31.717	0.057
31.745	0.101	31.756	0.077	31.785	-0.010	31.805	-0.002
31.829	-0.038	31.841	-0.022	31.859	0.014	31.871	-0.002
31.900	-0.049	31.917	-0.073	31.938	-0.144	31.948	-0.136
31.968	-0.112	31.983	-0.124	32.000	-0.040	32.016	0.056
32.028	0.080	32.043	0.080	32.059	0.100	32.066	0.076
32.086	-0.015	32.103	-0.030	32.113	-0.054	32.125	-0.118
32.133	-0.106	32.157	-0.010	32.196	0.042	32.220	-0.033
32.239	0.028	32.262	0.064	32.333	0.062	32.360	0.008
32.390	-0.015	32.419	0.005	32.442	0.002	32.461	0.027
32.481	0.011	32.490	0.035	32.506	0.052	32.514	0.032
32.531	-0.008	*32.555	-0.036	32.578	-0.060	32.596	-0.072
32.615	-0.040	32.632	-0.056	32.645	-0.028	32.667	0.004
32.678	0.043	32.691	0.087	32.705	0.103	32.717	0.082
32.730	0.039	32.738	0.019	32.748	0.026	32.764	0.038

32.771	0.046	32.783	0.038	32.800	0.033	32.804	0.025
32.817	0.029	32.825	0.005	32.836	-0.023	32.843	-0.023
32.853	-0.003	32.863	0.017	32.869	0.009	32.884	-0.027
32.899	0.000	32.913	-0.020	32.925	0.000	32.935	0.016
32.947	-0.000	32.957	0.008	32.973	0.020	32.983	0.004
33.002	-0.028	33.013	-0.048	33.022	-0.052	33.028	-0.033
33.038	-0.013	33.049	-0.013	33.062	-0.021	33.076	-0.013
33.083	-0.005	33.100	0.011	33.109	-0.009	33.123	-0.029
33.131	-0.033	33.142	-0.038	33.157	-0.010	33.168	0.006
33.186	-0.002	33.199	-0.026	33.210	-0.058	33.219	-0.030
33.234	0.009	33.250	0.053	33.262	0.065	33.297	0.009
33.306	-0.023	33.321	-0.051	33.345	-0.035	33.356	-0.027
33.371	-0.008	33.397	0.040	33.412	0.060	33.426	0.075
33.439	0.079	33.448	0.047	33.463	-0.016	33.475	-0.052
33.488	-0.068	33.507	-0.068	33.518	-0.060	33.531	-0.025
33.553	-0.005	33.573	-0.057	33.585	-0.029	33.605	0.015
33.615	-0.005	33.635	-0.033	33.653	-0.014	33.668	0.018
33.685	0.058	33.700	0.069	33.712	0.050	33.736	-0.034
33.751	-0.054	33.775	-0.034	33.792	-0.014	33.809	0.018
33.820	0.017	33.840	0.002	33.867	0.033	33.880	0.021
33.903	-0.026	33.916	-0.038	33.931	-0.023	33.954	0.001
33.966	0.005	33.988	-0.023	34.003	-0.015	34.017	0.009
34.032	0.025	34.041	0.009	34.061	-0.054	34.069	-0.054
34.087	-0.030	34.103	0.001	34.128	0.025	34.139	0.041
34.159	-0.022	34.173	-0.022	34.185	-0.010	34.198	-0.026
34.219	0.018	34.231	0.030	34.252	0.022	34.277	0.050
34.296	0.010	34.314	-0.026	34.333	0.010	34.352	-0.026
34.365	-0.038	34.384	-0.006	34.402	-0.022	34.420	-0.002
34.433	0.006	34.450	0.014	34.471	0.006	34.485	-0.002
34.497	0.010	34.515	-0.030	34.527	-0.058	34.543	-0.046
34.566	-0.038	34.584	-0.026	34.604	-0.014	34.619	-0.002
34.628	-0.022	34.644	-0.042	34.661	-0.026	34.677	0.002
34.699	0.037	34.720	0.021	34.739	0.033	34.765	0.045
34.783	0.057	34.797	-0.007	34.812	-0.043	34.823	-0.055
34.838	-0.043	34.853	-0.027	34.874	-0.007	34.903	-0.015
34.926	-0.008	34.944	0.008	34.956	-0.004	34.976	-0.016
34.997	-0.028	35.016	-0.032	35.035	-0.020	35.058	0.004
35.085	0.004	35.111	0.060	35.123	0.052	35.159	0.024
35.170	0.016	35.186	0.032	35.217	-0.036	35.232	-0.040
35.256	-0.024	35.277	-0.044	35.311	-0.052	35.326	-0.059
35.338	-0.032	35.358	0.004	35.370	0.012	35.393	-0.020
35.420	0.004	35.448	-0.024	35.484	0.004	35.521	-0.016
35.558	0.012	35.592	0.004	35.622	0.015	35.645	0.015
35.669	-0.005	35.693	-0.025	35.716	-0.029	35.739	-0.033
35.766	-0.017	35.796	0.011	35.835	-0.013	35.860	0.014
35.888	0.002	35.914	-0.010	35.938	-0.046	35.954	-0.018
35.976	0.006	35.989	-0.030	36.004	-0.050	36.026	-0.011
36.041	-0.003	36.064	0.033	36.087	0.013	36.097	0.001
36.113	-0.015	36.132	0.005	36.147	0.012	36.158	0.000
36.169	-0.019	36.182	-0.039	36.197	-0.012	36.218	0.008
36.234	0.020	36.249	0.000	36.275	-0.036	36.290	-0.059
36.299	-0.048	36.314	-0.012	36.345	-0.012	36.364	-0.012
36.387	-0.020	36.408	0.000	36.424	0.000	36.454	-0.012
36.474	-0.028	36.495	0.008	36.518	-0.020	36.543	0.008
36.569	-0.020	36.602	0.000	36.627	-0.036	36.656	-0.008
36.688	-0.040	36.717	-0.012	36.736	-0.012	36.756	0.008

36.792	0.008	36.808	0.004	36.829	0.040	36.841	0.044
36.856	0.032	36.871	0.008	36.888	-0.016	36.911	0.004
36.937	-0.016	36.950	-0.004	36.965	0.012	36.988	-0.004
37.006	0.020	37.025	0.036	37.042	0.024	37.054	0.016
37.072	-0.024	37.095	0.008	37.118	-0.036	37.139	-0.012
37.161	-0.028	37.185	0.004	37.206	0.020	37.217	0.008
37.234	-0.016	37.252	0.000	37.284	0.012	37.301	0.028
37.318	0.040	37.332	0.016	37.348	-0.012	37.360	0.008
37.383	0.016	37.402	0.024	37.423	-0.012	37.447	0.000
37.473	-0.031	37.495	0.005	37.518	-0.019	37.538	0.021
37.549	0.029	37.571	0.005	37.582	-0.002	37.608	0.006
37.644	0.002	37.663	0.014	37.684	-0.006	37.711	-0.001
37.741	0.007	37.760	0.019	37.779	0.035	37.788	0.023
37.803	0.004	37.839	0.004	37.860	-0.012	37.881	0.000
37.934	0.001	37.949	0.025	37.966	0.048	37.983	0.049
38.009	0.021	38.040	0.033	38.065	-0.014	38.103	-0.002
38.130	-0.030	38.170	-0.018	38.190	0.002	38.205	0.018
38.222	-0.001	38.260	-0.029	38.290	-0.041	38.302	-0.013
38.322	0.027	38.335	0.035	38.355	0.019	38.381	0.039
38.396	0.039	38.422	0.007	38.454	0.007	38.480	0.035
38.504	-0.001	38.552	-0.005	38.573	-0.021	38.590	-0.013
38.616	-0.037	38.644	0.002	38.693	0.002	38.714	-0.025
38.734	-0.033	38.765	0.010	38.785	0.034	38.807	0.014
38.827	0.030	38.852	0.014	38.884	-0.006	38.915	0.014
38.937	0.006	38.959	0.006	38.972	-0.002	38.996	0.026
39.020	-0.006	39.039	-0.006	39.080	-0.010	39.109	-0.018
39.134	0.018	39.153	0.010	39.170	0.022	39.190	0.002
39.219	-0.002	39.250	-0.022	39.265	-0.014	39.291	0.014
39.319	-0.018	39.337	-0.002	39.360	-0.010	39.381	0.006
39.410	-0.021	39.427	-0.013	39.479	-0.013	39.497	-0.029
39.516	-0.037	39.534	-0.013	39.557	0.027	39.573	0.011
39.598	0.003	39.625	0.015	39.637	0.004	39.655	-0.024
39.675	-0.004	39.698	-0.008	39.725	0.012	39.745	-0.012
39.763	-0.012	39.788	-0.028	39.805	-0.016	39.822	-0.008
39.840	0.004	39.868	-0.008	39.886	-0.016	39.904	0.008
39.924	-0.028	39.936	-0.032	39.958	-0.004	39.969	-0.004
39.997	-0.016	40.016	-0.004	40.040	0.020	40.061	0.004
40.075	-0.004	40.099	-0.036	40.114	-0.008	40.131	0.004
40.149	0.000	40.168	0.012	40.192	-0.012	40.215	0.020
40.234	-0.000	40.270	0.019	40.299	0.003	40.342	-0.013
40.365	0.003	40.391	-0.017	40.423	0.014	40.446	-0.006
40.470	0.026	40.504	-0.006	40.530	0.001	40.557	-0.015
40.582	0.005	40.607	-0.011	40.632	-0.007	40.664	-0.027
40.693	0.004	40.708	0.016	40.728	0.032	40.751	0.012
40.765	0.016	40.792	-0.012	40.829	0.004	40.854	-0.009
40.899	-0.009	40.931	-0.005	40.961	0.003	40.994	-0.001
41.033	-0.000	41.059	-0.016	41.080	-0.000	41.117	0.016
41.139	-0.000	41.167	0.008	41.187	0.000	41.211	0.012
41.241	-0.016	41.268	0.020	41.293	0.008	41.316	-0.003
41.338	0.009	41.361	0.001	41.379	0.009	41.403	-0.007
41.420	0.005	41.454	-0.011	41.474	-0.007	41.495	0.005
41.535	0.013	41.562	0.021	41.585	0.005	41.610	0.025
41.630	0.009	41.653	0.025	41.678	0.001	41.702	-0.003
41.726	-0.023	41.754	-0.007	41.786	-0.007	41.811	0.025
41.829	-0.003	41.855	-0.015	41.888	-0.014	41.909	0.013
41.949	0.010	41.977	0.018	42.019	-0.002	42.053	0.006

42.073	0.026	42.090	0.014	42.113	0.022	42.147	0.003
42.178	0.007	42.197	-0.001	42.216	0.011	42.245	-0.016
42.278	-0.000	42.297	-0.008	42.311	-0.020	42.326	-0.048
42.344	-0.043	42.374	-0.007	42.403	-0.003	42.432	0.009
42.453	-0.003	42.480	0.017	42.504	0.005	42.525	0.029
42.548	0.010	42.565	0.018	42.589	-0.006	42.607	0.006
42.628	-0.009	42.652	-0.013	42.672	-0.025	42.696	-0.005
42.727	-0.000	42.765	0.004	42.797	0.040	42.820	0.029
42.852	0.009	42.875	-0.002	42.896	-0.014	42.911	-0.018
42.937	0.002	42.970	-0.005	42.997	0.003	43.022	0.004
43.041	0.016	43.071	0.004	43.107	0.004	43.124	-0.003
43.146	0.017	43.157	0.009	43.172	-0.011	43.181	0.005
43.206	0.017	43.245	0.002	43.274	-0.030	43.298	-0.030
*43.318	-0.022	43.335	-0.010	43.357	0.010	43.384	0.030
43.410	0.006	43.433	0.002	43.461	-0.017	43.483	-0.017
43.521	-0.005	43.541	-0.005	43.563	-0.017	43.581	0.003
43.600	0.007	43.620	0.023	43.637	0.015	43.652	0.015
43.663	0.019	43.672	0.023	43.681	0.019	43.695	0.011
43.704	0.011	43.712	0.011	43.718	0.007	43.728	-0.005
43.745	-0.005	43.771	-0.005	43.800	-0.006	43.819	0.002
43.833	0.026	43.853	0.018	43.878	0.002	43.899	-0.022
43.921	-0.015	43.940	-0.019	43.962	-0.019	43.988	-0.019
44.011	-0.007	44.032	0.016	44.053	0.032	44.080	0.020
44.109	0.011	44.129	0.011	44.149	0.011	44.168	-0.001
44.190	-0.002	44.211	-0.002	44.244	-0.014	44.267	-0.019
44.289	0.001	44.314	0.020	44.334	0.036	44.360	0.020
44.385	0.008	44.414	-0.017	44.434	-0.025	44.460	-0.025
44.483	-0.009	44.500	0.014	44.525	0.026	44.534	0.014
44.552	0.002	44.563	0.014	44.581	0.018	44.598	0.026
44.606	0.026	44.620	0.010	44.635	0.010	44.658	-0.002
44.671	-0.022	44.683	-0.019	44.710	-0.011	44.727	-0.027
44.744	-0.011	44.759	0.001	44.779	-0.007	44.789	0.001
44.805	0.001	44.822	0.009	44.845	-0.003	44.859	-0.007
44.884	-0.011	44.907	-0.007	44.939	-0.007	44.964	0.009
44.985	0.005	45.002	0.001	45.024	-0.019	45.040	-0.019
45.058	-0.031	45.076	-0.023	45.092	-0.007	45.106	-0.003
45.122	0.009	45.138	0.029	45.156	0.009	45.169	0.013
45.190	0.017	45.206	-0.003	45.228	-0.007	45.245	-0.007
45.265	0.017	45.287	0.009	45.297	-0.003	45.311	0.005
45.325	0.017	45.344	0.021	45.372	-0.003	45.391	-0.007
45.410	0.009	45.425	0.009	45.443	0.006	45.464	-0.010
45.482	-0.006	45.497	-0.002	45.516	-0.002	45.534	-0.030
45.554	-0.006	45.577	0.002	45.597	0.026	45.613	0.038
45.625	0.038	45.645	0.022	45.663	0.002	45.683	0.002
45.699	0.003	45.722	-0.001	45.737	0.011	45.756	0.011
45.774	0.019	45.790	0.031	45.815	0.011	45.836	0.023
45.866	0.008	45.883	-0.004	45.911	-0.004	45.927	-0.012
45.954	-0.004	45.970	-0.012	45.989	0.000	46.010	0.000
46.033	0.004	46.055	0.004	46.070	0.008	46.091	0.016
46.103	0.008	46.120	0.004	46.130	0.012	46.143	0.016
46.156	0.012	46.167	0.005	46.189	0.009	46.210	0.013
46.225	0.013	46.242	0.013	46.259	0.005	46.277	0.005
46.299	0.021	46.319	0.009	46.339	0.009	46.353	0.009
46.373	0.005	46.393	0.001	46.418	-0.019	46.439	-0.015
46.456	0.001	46.476	-0.019	46.492	-0.023	46.508	-0.011
46.515	0.013	46.533	0.009	46.550	0.013	46.568	0.013

46.579	0.009	46.595	0.001	46.610	0.013	46.622	0.017
46.634	0.021	46.646	0.021	46.660	0.029	46.668	0.037
46.682	0.029	46.694	0.021	46.705	0.017	46.718	0.009
46.733	0.009	46.747	0.009	46.767	-0.003	46.780	-0.003
46.804	-0.003	46.815	0.001	46.832	0.013	46.846	-0.003
46.869	-0.007	46.890	-0.007	46.907	-0.018	46.919	-0.003
46.939	0.005	46.956	-0.014	46.973	0.002	46.987	-0.010
47.006	-0.002	47.024	-0.002	47.050	-0.002	47.064	-0.010
47.079	0.010	47.092	0.010	47.104	0.038	47.124	0.046
47.139	0.026	47.159	0.026	47.177	0.010	47.193	-0.006
47.209	0.010	47.227	0.018	47.245	0.014	47.259	0.006
47.282	-0.006	47.303	-0.006	47.324	0.001	47.346	-0.011
47.364	-0.011	47.382	-0.003	47.402	-0.004	47.423	0.000
47.446	0.004	47.461	-0.012	47.480	-0.020	47.501	-0.013
47.519	-0.001	47.536	0.003	47.560	0.015	47.583	0.006
47.605	-0.002	47.625	0.026	47.646	-0.002	47.675	0.021
47.692	0.017	47.717	0.025	47.736	0.013	47.760	0.004
47.788	0.008	47.809	0.012	47.822	0.024	47.838	0.008
47.857	0.031	47.882	0.023	47.905	0.015	47.935	-0.017
47.958	0.003	47.982	0.003	48.004	0.015	48.024	0.007
48.051	0.010	48.068	0.010	48.092	0.010	48.114	0.018
48.133	0.018	48.155	0.006	48.177	-0.006	48.198	-0.002
48.215	-0.010	48.250	-0.003	48.273	0.009	48.283	0.025
48.302	0.013	48.328	0.021	48.348	0.021	48.369	0.005
48.383	0.009	48.403	0.013	48.419	0.010	48.441	0.014
48.462	0.006	48.481	0.014	48.504	0.014	48.529	0.006
48.551	0.002	48.573	0.010	48.605	0.006	48.635	-0.002
48.659	0.010	48.686	0.015	48.707	0.027	48.732	0.015
48.755	0.003	48.776	0.019	48.795	0.031	48.815	0.023
48.844	0.011	48.859	-0.009	48.876	-0.005	48.890	-0.001
48.914	0.011	48.931	0.019	48.946	0.019	48.964	0.014
48.981	0.018	49.001	0.014	49.016	0.010	49.032	0.006
49.048	-0.014	49.066	0.002	49.094	0.006	49.110	0.006
49.122	0.014	49.140	-0.010	49.156	-0.006	49.172	-0.002
49.190	-0.014	49.210	-0.002	49.234	0.006	49.253	0.006
49.270	0.005	49.288	0.001	49.306	-0.003	49.326	0.005
49.342	-0.007	49.360	-0.003	49.377	0.009	49.395	0.005
49.410	-0.011	49.434	0.001	49.453	0.013	49.471	0.013
49.492	0.001	49.518	0.017	49.533	-0.003	49.550	0.005
49.566	-0.007	49.582	-0.011	49.594	-0.019	49.615	-0.003
49.637	0.013	49.655	0.009	49.676	0.012	49.690	0.016
49.705	0.012	49.721	0.004	49.737	0.004	49.753	0.012
49.767	0.016	49.783	0.004	49.801	0.012	49.819	0.012
49.839	0.008	49.851	0.004	49.873	0.000	49.892	0.000
49.914	-0.012	49.932	-0.008	49.950	0.000	49.968	0.000
49.985	0.016	50.003	0.004	50.018	0.012	50.030	0.020
50.046	0.012	50.063	0.004	50.082	-0.000	50.099	-0.000
50.117	0.004	50.140	-0.004	50.158	0.004	50.172	0.016
50.190	0.008	50.209	0.012	50.230	0.015	50.247	0.019
50.271	0.019	50.287	0.019	50.301	0.015	50.320	0.003
50.336	0.011	50.348	0.015	50.369	-0.013	50.392	0.007
50.410	-0.001	50.420	-0.005	50.435	0.019	50.447	0.015
50.464	0.015	50.481	0.015	50.496	0.015	50.510	0.011
50.523	0.003	50.539	0.003	50.551	-0.013	50.566	0.011
50.583	0.003	50.598	-0.006	50.611	0.002	50.627	-0.014
50.636	-0.018	50.652	-0.002	50.676	0.006	50.689	-0.006

50.709	0.006	50.724	-0.002	50.742	-0.014	50.758	-0.007
50.777	-0.007	50.792	0.017	50.811	0.001	50.832	0.013
50.847	0.001	50.865	0.001	50.885	0.008	50.900	-0.008
50.920	0.004	50.941	0.012	50.965	0.012	50.986	0.008
51.004	-0.008	51.019	0.003	51.043	-0.009	51.071	-0.013
51.089	-0.005	51.113	0.007	51.137	0.011	51.158	0.003
51.175	-0.006	51.191	-0.010	51.217	-0.002	51.242	0.002
51.259	0.010	51.275	0.006	51.293	0.006	51.309	0.009
51.328	0.001	51.349	-0.003	51.372	0.009	51.404	-0.003
51.422	0.005	51.438	0.004	51.462	-0.004	51.476	0.000
51.494	0.008	51.512	0.020	51.527	-0.004	51.544	-0.012
51.566	-0.004	51.580	-0.000	51.592	0.003	51.611	0.007
51.632	0.003	51.648	-0.001	51.667	0.003	51.682	0.015
51.696	0.007	51.716	0.006	51.728	0.006	51.744	0.014
51.770	0.002	51.790	-0.006	51.812	-0.010	51.826	-0.006
51.847	-0.002	51.865	0.001	51.883	-0.011	51.895	-0.007
51.918	0.001	51.941	-0.003	51.960	-0.003	51.978	-0.007
52.001	-0.008	52.023	-0.004	52.045	0.000	52.061	-0.004
52.075	-0.004	52.090	-0.008	52.106	-0.008	52.124	-0.012
52.143	-0.005	52.158	-0.005	52.173	0.007	52.196	-0.001
52.214	0.007	52.238	-0.005	52.254	0.003	52.274	-0.001
52.290	-0.009	52.311	0.007	52.328	0.015	52.347	0.015
52.372	0.007	52.399	0.007	52.419	-0.000	52.443	-0.004
52.470	-0.008	52.496	-0.004	52.522	-0.008	52.544	0.004
52.564	0.008	52.581	-0.000	52.604	0.008	52.622	0.020
52.648	0.004	52.674	0.012	52.692	0.012	52.713	0.008
52.739	0.008	52.763	0.017	52.781	0.005	52.804	0.001
52.825	0.002	52.849	-0.010	52.879	0.014	52.897	0.015
52.917	0.011	52.934	-0.001	52.950	0.007	52.971	-0.000
52.998	0.012	53.020	0.012	53.040	0.009	53.065	0.021
53.089	0.006	53.116	0.002	53.142	0.006	53.160	0.010
53.181	0.015	53.205	0.015	53.222	-0.001	53.251	-0.004
53.273	-0.008	53.295	-0.008	53.313	-0.008	53.340	-0.004
53.361	0.001	53.384	0.005	53.408	0.001	53.430	0.009
53.447	0.005	53.467	-0.006	53.498	-0.006	53.525	0.002
53.554	0.003	53.573	0.003	53.589	0.011	53.608	0.015
53.634	0.015	53.659	0.019	53.676	0.015	53.696	0.012
53.721	-0.000	53.749	-0.020	53.769	-0.028	53.788	-0.020
53.810	-0.004	53.831	0.008	53.849	0.012	53.867	0.012
53.894	0.004	53.913	0.013	53.930	-0.003	53.955	0.013
53.975	0.021	54.021	0.025	54.025	0.029	54.034	0.021
54.043	0.021	54.052	0.021	54.059	0.017	54.065	0.016
54.072	0.016	54.081	0.024	54.087	0.028	54.099	0.027
54.103	0.023	54.107	0.023	*54.115	0.019	54.123	0.015
54.131	0.019	54.142	0.022	54.153	0.022	54.163	0.014
54.170	0.010	54.180	-0.006	54.185	-0.015	54.204	0.009
54.224	-0.004	54.229	-0.012	54.245	-0.000	54.255	0.008
54.264	0.015	54.279	0.003	54.285	-0.001	54.299	-0.001
54.311	0.022	54.326	0.014	54.339	0.010	54.354	0.010
54.361	0.014	54.379	0.010	54.391	0.005	54.405	-0.007
54.419	-0.007	54.440	0.005	54.456	0.020	54.468	0.016
54.484	0.012	54.494	0.012	54.503	0.008	54.517	0.004
54.535	0.012	54.545	0.007	54.554	-0.001	54.562	-0.009
54.578	-0.009	54.585	0.027	54.598	0.027	54.610	0.019
54.620	0.007	54.628	0.006	54.645	0.018	54.656	0.018
54.664	0.006	54.677	-0.002	54.696	0.002	54.713	0.006

54.734	0.014	54.757	-0.002	54.768	-0.002	54.778	-0.002
54.792	0.002	54.805	0.010	54.819	0.010	54.834	-0.002
54.842	-0.002	54.850	-0.006	54.852	-0.006	54.860	-0.002
54.870	0.006	54.886	0.006	54.901	-0.002	54.915	-0.006
54.933	-0.006	54.943	0.001	54.959	0.021	54.972	0.033
54.987	0.045	55.003	0.053	55.010	0.049	55.025	0.033
55.034	0.025	55.045	0.021	55.055	0.021	55.068	0.021
55.081	0.013	55.093	-0.007	55.102	-0.007	55.109	-0.007
55.123	-0.007	55.132	-0.007	55.142	-0.011	55.151	-0.011
55.165	-0.003	55.173	0.020	55.185	0.032	55.197	0.024
55.212	0.012	55.226	0.008	55.244	-0.000	55.253	0.004
55.265	0.008	55.281	-0.000	55.292	-0.004	55.304	-0.004
55.313	-0.001	55.327	0.003	55.340	0.011	55.352	0.015
55.361	0.007	55.369	-0.005	55.382	-0.009	55.394	-0.001
55.400	0.007	55.414	0.002	55.428	0.018	55.441	0.026
55.456	0.026	55.467	0.026	55.479	0.025	55.486	0.025
55.500	0.009	55.519	-0.003	55.533	0.013	55.546	0.005
55.555	0.008	55.568	0.004	55.577	-0.008	55.586	-0.012
55.595	0.016	55.604	0.028	55.618	0.035	55.629	0.015
55.641	0.011	55.658	0.011	55.673	0.003	55.687	0.002
55.699	0.010	55.711	0.006	55.719	-0.006	55.732	-0.006
55.748	0.001	55.761	0.001	55.772	-0.007	55.786	-0.003
55.799	0.001	55.817	0.024	55.838	0.028	55.847	0.012
55.857	0.008	55.872	0.011	55.887	0.007	55.898	-0.005
55.910	-0.021	55.925	-0.001	55.935	0.010	55.951	0.026
55.965	0.038	55.975	0.042	55.984	0.029	55.992	0.021
56.001	0.009	56.009	-0.003	56.013	-0.015	56.021	-0.011
56.030	-0.007	56.038	-0.007	56.048	-0.012	56.056	-0.016
56.062	-0.012	56.069	-0.008	56.074	-0.004	56.090	0.004
56.099	0.003	56.109	0.007	56.115	0.019	56.123	0.035
56.134	0.046	56.140	0.042	56.154	0.026	56.158	0.022
56.164	0.002	56.171	0.002	56.179	-0.002	56.187	0.006
56.196	0.013	56.207	0.005	56.216	-0.003	56.224	0.001
56.238	0.017	56.251	0.024	56.268	0.040	56.282	0.039
56.303	0.039	56.318	0.031	56.331	0.019	56.353	0.006
56.357	0.006	56.365	-0.010	56.375	-0.014	56.389	-0.002
56.408	0.013	56.424	0.025	56.441	0.020	56.453	0.024
56.474	0.028	56.489	0.012	56.503	0.003	56.512	0.007
56.527	0.003	56.539	-0.009	56.556	-0.002	56.569	0.010
56.577	0.002	56.588	0.006	56.597	0.014	56.615	0.029
56.630	0.021	56.641	0.009	56.649	0.005	56.665	0.005
56.671	0.008	56.685	0.004	56.694	-0.008	56.703	-0.004
56.716	0.004	56.724	-0.004	56.737	-0.009	56.750	-0.001
56.760	0.007	56.773	0.019	56.783	0.034	56.796	0.022
56.803	0.014	56.817	0.006	56.827	0.002	56.843	-0.006
56.859	-0.002	56.873	-0.002	56.893	0.001	56.904	-0.003
56.916	0.001	56.930	0.005	56.941	-0.007	56.948	-0.007
56.965	0.005	56.977	0.017	56.987	0.025	57.001	0.033
57.010	0.029	57.027	0.017	57.041	-0.011	57.054	-0.007
57.066	0.005	57.078	0.020	57.092	0.004	57.109	0.004
57.117	0.008	57.130	0.016	57.147	0.024	57.168	0.012
57.183	0.008	57.189	0.008	57.206	0.016	57.222	0.032
57.248	0.028	57.260	0.004	57.280	-0.008	57.293	-0.016
57.311	-0.016	57.328	-0.005	57.343	0.003	57.363	0.011
57.372	0.023	57.386	0.043	57.406	0.039	57.423	0.034
57.435	0.026	57.447	0.014	57.456	0.018	57.473	0.022

57.483	0.018	57.499	0.010	57.516	0.010	57.522	0.009
57.539	0.013	57.554	-0.007	57.571	-0.007	57.587	0.001
57.603	0.004	57.611	0.004	57.626	0.004	57.643	0.004
57.662	0.007	57.682	0.011	57.700	0.011	57.712	-0.001
57.717	-0.005	57.732	-0.013	57.750	-0.002	57.769	0.002
57.787	0.002	57.803	0.005	57.812	0.009	57.826	0.013
57.841	0.005	57.857	0.009	57.871	0.004	57.882	-0.008
57.897	-0.012	57.914	0.004	57.928	0.004	57.946	-0.000
57.970	0.012	57.991	-0.008	58.004	-0.020	58.018	-0.017
58.043	-0.009	58.057	-0.017	58.065	-0.017	58.083	0.003
58.109	0.007	58.126	-0.001	58.149	0.002	58.166	0.006
58.182	-0.002	58.195	0.002	58.222	0.002	58.236	-0.002
58.245	-0.010	58.255	-0.006	58.272	-0.006	58.282	-0.002
58.291	0.001	58.307	0.009	58.321	0.001	58.338	0.001
58.352	0.005	58.373	0.005	58.388	0.009	58.414	-0.011
58.434	-0.004	58.458	0.000	58.469	-0.008	58.481	-0.004
58.493	0.000	58.507	-0.004	58.520	-0.004	58.528	-0.000
58.545	0.004	58.560	0.011	58.575	0.007	58.587	-0.001
58.601	0.003	58.613	0.007	58.628	-0.001	58.637	0.003
58.647	0.003	58.663	0.002	58.676	-0.006	58.690	0.002
58.709	0.009	58.724	-0.003	58.734	0.001	58.748	0.017
58.762	0.012	58.775	0.012	58.790	0.012	58.801	0.016
58.816	0.016	58.829	0.007	58.842	0.003	58.857	0.003
58.870	0.003	58.884	-0.013	58.902	-0.002	58.923	-0.006
58.937	-0.002	58.952	0.006	58.971	0.009	58.975	0.001
59.001	-0.011	59.010	-0.007	59.024	-0.003	59.043	0.005
59.060	0.004	59.081	-0.004	59.096	0.000	59.108	0.008
59.123	-0.000	59.126	-0.004	59.139	-0.000	59.156	-0.004
59.167	-0.024	59.177	-0.021	59.197	-0.013	59.213	-0.004
59.233	-0.004	59.254	-0.003	59.266	0.001	59.288	0.018
59.309	0.014	59.327	0.019	59.344	0.015	59.366	0.016
59.382	0.020	59.406	0.021	59.414	0.006	59.435	0.006
59.458	0.022	59.471	0.010	59.492	-0.002	59.501	-0.010
59.516	-0.010	59.542	-0.002	59.555	-0.002	59.572	0.005
59.583	0.013	59.608	0.017	59.628	0.013	59.643	0.009
59.652	-0.003	59.668	-0.003	59.687	0.008	59.705	0.020
59.714	0.008	59.727	0.008	59.748	0.020	59.761	0.015
59.769	0.011	59.783	0.019	59.794	0.015	59.806	0.007
59.821	0.011	59.835	0.007	59.849	0.003	59.867	0.010
59.881	0.018	59.892	0.006	59.902	0.002	59.914	0.010
59.926	-0.002	59.935	-0.014	59.948	-0.014	59.961	-0.010
59.975	0.006	59.997	0.014	60.008	-0.002	60.025	0.002
60.040	-0.002	60.057	-0.002	60.067	-0.010	60.079	-0.018
60.086	-0.014	60.101	0.009	60.117	0.017	60.140	-0.003
60.157	0.009	60.166	0.017	60.183	0.013	60.202	0.009
60.217	-0.007	60.234	0.001	60.250	0.017	60.266	0.013
60.284	0.009	60.304	0.005	60.327	-0.003	60.339	-0.003
60.356	-0.015	60.373	-0.015	60.388	-0.012	60.395	-0.008
60.415	0.008	60.428	0.012	60.445	0.004	60.456	-0.008
60.471	-0.008	60.487	-0.000	60.497	0.008	60.508	-0.016
60.528	-0.012	60.535	-0.000	60.557	-0.016	60.569	-0.020
60.589	-0.001	60.608	0.011	60.629	0.007	60.652	-0.005
60.666	-0.025	60.684	-0.021	60.699	-0.005	60.714	-0.005
60.726	-0.005	60.741	-0.013	60.750	-0.005	60.761	0.003
60.779	-0.002	60.797	-0.006	60.803	-0.010	60.813	-0.014
60.824	-0.002	60.842	-0.014	60.854	-0.010	60.872	0.010

60.887	0.002	60.898	-0.010	60.906	-0.010	60.921	-0.002
60.932	-0.006	60.940	-0.002	60.958	0.010	60.972	0.002
60.984	-0.018	61.006	-0.019	61.026	-0.019	61.044	-0.011
61.059	-0.003	61.074	0.001	61.092	0.005	61.111	0.025
61.132	0.001	61.152	0.009	61.166	-0.011	61.176	-0.015
61.183	-0.011	61.200	-0.003	61.221	0.005	61.236	0.012
61.251	0.012	61.268	0.004	61.285	-0.015	61.300	-0.007
61.318	0.012	61.340	0.004	61.356	-0.016	61.378	-0.008
61.394	0.008	61.404	-0.004	61.421	0.000	61.437	0.012
61.452	0.004	61.464	-0.008	61.483	0.000	61.505	0.000
61.517	0.000	61.527	0.004	61.540	-0.004	61.549	-0.008
61.558	-0.004	61.574	0.004	61.592	-0.004	61.601	-0.012
61.615	-0.012	61.630	-0.008	61.649	-0.011	61.664	-0.019
61.680	-0.007	61.699	-0.007	61.720	0.005	61.736	-0.002
61.751	0.006	61.768	0.006	61.785	0.010	61.797	0.014
61.814	0.002	61.826	-0.001	61.838	-0.001	61.854	0.003
61.863	0.007	61.871	0.007	61.885	0.011	61.897	-0.005
61.911	-0.001	61.926	0.012	61.941	0.008	61.953	0.004
61.966	0.024	61.983	0.016	61.995	-0.004	62.009	0.009
62.022	-0.011	62.039	-0.007	62.055	-0.003	62.062	-0.003
62.081	0.005	62.091	0.002	62.099	-0.002	62.120	0.014
62.133	0.006	62.143	0.006	62.152	0.010	62.164	-0.002
62.173	-0.009	62.184	-0.005	62.198	0.003	62.212	-0.009
62.219	-0.017	62.235	-0.013	62.247	-0.013	62.272	-0.000
62.286	0.008	62.306	0.004	62.315	0.000	62.320	0.008
62.335	0.005	62.346	0.001	62.359	0.005	62.371	0.005
62.383	0.010	62.396	0.006	62.412	0.002	62.430	0.007
62.443	0.003	62.459	0.003	62.468	0.007	62.484	0.007
62.499	0.007	62.512	0.008	62.521	0.004	62.537	0.004
62.556	0.016	62.568	0.016	62.583	0.016	62.599	0.013
62.611	0.013	62.632	0.005	62.646	0.009	62.655	0.017
62.670	0.001	62.687	0.014	62.694	0.018	62.704	0.030
62.712	0.014	62.719	0.006	62.729	0.006	62.737	0.010
62.753	0.014	62.762	0.010	62.775	0.006	62.786	0.002
62.801	0.002	62.812	0.014	62.826	0.018	62.838	0.002
62.845	-0.014	62.863	0.002	62.878	0.018	62.892	0.018
62.906	0.026	62.923	0.018	62.937	0.006	62.951	0.017
62.973	0.009	62.988	0.009	63.006	0.021	63.025	0.009
63.037	0.013	63.051	0.025	63.064	0.013	63.072	-0.007
63.092	0.001	63.107	0.017	63.128	0.013	63.151	0.009
63.167	0.001	63.187	0.004	63.206	-0.004	63.224	-0.008
63.255	0.004	63.271	0.012	63.289	-0.008	63.308	-0.000
63.326	0.012	63.337	0.008	63.352	0.008	63.372	0.015
63.390	0.007	63.409	0.019	63.421	0.019	63.438	0.003
63.454	0.007	63.466	0.007	63.482	0.019	63.503	0.011
63.531	-0.001	63.553	0.011	63.576	0.019	63.596	0.011
63.609	0.015	63.639	0.007	63.660	-0.005	63.681	-0.009
63.706	-0.002	63.728	0.006	63.750	0.002	63.763	0.006
63.775	0.014	63.787	0.010	63.802	0.006	63.814	0.006
63.829	0.010	63.843	0.018	63.856	0.010	63.867	0.002
63.880	0.002	63.895	0.018	63.918	0.006	63.926	0.006
63.947	0.006	63.961	0.002	63.980	0.010	64.001	0.018
64.015	0.006	64.039	0.006	64.048	0.002	64.069	0.009
64.080	0.009	64.097	0.013	64.110	0.021	64.120	0.017
64.134	0.001	64.154	0.005	64.183	0.009	64.194	0.001
64.210	0.005	64.230	0.005	64.242	0.013	64.260	0.009

64.281	0.005	64.300	0.005	64.314	0.009	64.327	0.001
64.339	0.017	64.356	0.013	64.375	-0.007	64.401	0.005
64.420	-0.003	64.438	0.005	64.464	-0.003	64.494	-0.007
64.514	0.001	64.538	-0.011	64.558	0.001	64.587	0.001
64.611	0.017	64.629	0.009	64.643	0.012	64.659	0.008
64.671	0.012	64.688	0.004	64.709	0.008	64.727	0.007
64.731	0.007	64.747	0.011	64.768	0.011	64.782	0.011
64.798	0.011	*64.813	0.011	64.823	0.007	64.844	0.012
64.857	0.016	64.875	0.008	64.898	0.024	64.924	0.012
64.943	0.012	64.966	0.000	64.991	0.008	65.012	0.008
65.038	0.012	65.057	0.016	65.078	0.016	65.103	0.020
65.122	0.032	65.142	0.032	65.160	0.024	65.183	0.016
65.204	0.016	65.225	0.027	65.245	0.019	65.261	0.019
65.287	0.023	65.328	0.022	65.355	0.018	65.375	0.018
65.397	0.013	65.422	0.013	65.475	0.013	65.497	0.016
65.517	0.016	65.537	0.016	65.559	0.024	65.580	0.020
65.598	0.004	65.625	0.004	65.648	-0.005	65.669	0.011
65.691	0.011	65.717	0.015	65.735	0.015	65.757	0.019
65.786	0.015	65.802	0.007	65.826	-0.000	65.853	0.008
65.876	0.004	65.893	0.004	65.912	0.016	65.936	0.016
65.962	0.008	65.987	0.000	66.014	0.000	66.035	-0.004
66.055	0.000	66.076	0.004	66.093	0.016	66.115	0.020
66.138	0.020	66.154	0.028	66.174	0.024	66.194	0.032
66.222	0.032	66.242	0.028	66.264	0.028	66.287	0.028
66.310	0.028	66.331	0.027	66.350	0.027	66.372	0.022
66.392	0.018	66.417	0.014	66.432	0.013	66.453	0.013
66.470	0.009	66.487	0.012	66.507	0.008	66.533	-0.001
66.552	0.007	66.579	0.006	66.605	0.010	66.625	0.013
66.646	0.013	66.669	0.012	66.692	0.011	66.712	0.011
66.735	0.010	66.761	0.010	66.779	0.013	66.802	0.008
66.822	0.008	66.837	0.008	66.856	0.007	66.886	0.006
66.909	0.010	66.929	0.010	66.950	0.010	66.967	0.010
66.984	0.010	67.005	0.006	67.021	0.006	67.037	0.006
67.060	0.006	67.081	0.006	67.100	0.005	67.121	0.009
67.141	0.005	67.156	0.005	67.178	0.013	67.202	0.009
67.217	0.005	67.230	0.006	67.246	0.014	67.262	0.014
67.274	0.006	67.285	0.006	67.299	0.006	67.312	0.006
67.330	0.022	67.344	0.023	67.360	-0.013	67.379	0.003
67.391	0.003	67.414	0.019	67.437	0.020	67.458	0.024
67.478	0.012	67.499	0.008	67.512	0.004	67.526	0.000
67.547	0.008	67.559	0.008	67.570	-0.004	67.585	0.004
67.598	0.012	67.613	0.016	67.633	0.013	67.645	0.013
67.662	0.013	67.686	0.013	67.703	-0.007	67.717	-0.015
67.737	-0.003	67.758	-0.007	67.776	0.013	67.788	0.009
67.806	0.037	67.816	0.045	67.830	0.037	67.838	0.021
67.853	0.037	67.864	0.029	67.876	0.017	67.892	0.033
67.911	0.009	67.930	0.013	67.951	-0.007	67.974	0.008
67.991	0.020	68.008	0.020	68.031	0.032	68.052	0.032
68.077	0.020	68.098	0.028	68.113	0.028	68.129	0.000
68.146	0.016	68.161	0.028	68.179	0.024	68.193	-0.000
68.211	0.019	68.226	0.035	68.247	0.015	68.270	0.015
68.287	0.018	68.302	0.018	68.319	0.018	68.333	0.018
68.346	0.014	68.366	0.029	68.390	0.013	68.416	0.001
68.439	0.029	68.464	0.016	68.480	0.016	68.500	0.016
68.517	0.004	68.538	0.012	68.566	0.011	68.589	0.007
68.606	0.007	68.626	0.007	68.645	0.014	68.663	0.026

68.678	0.014	68.688	-0.002	68.705	0.010	68.719	0.026
68.734	0.018	68.751	0.006	68.768	0.026	68.784	0.026
68.802	0.017	68.825	0.017	68.845	0.025	68.862	0.021
68.879	0.021	68.894	0.021	68.905	0.009	68.921	0.025
68.941	0.021	68.960	0.021	68.972	0.009	68.992	0.009
69.011	0.013	69.029	0.021	69.043	0.033	69.059	0.021
69.073	0.009	69.090	0.033	69.106	0.025	69.134	0.021
69.161	0.021	69.194	0.021	69.221	0.021	69.242	0.021
69.266	0.013	69.287	0.012	69.303	0.012	69.335	0.016
69.354	0.036	69.373	0.032	69.394	0.015	69.414	0.003
69.427	0.007	69.443	0.015	69.462	0.011	69.473	0.027
69.484	0.027	69.497	0.015	69.510	0.007	69.522	0.026
69.544	0.022	69.554	0.022	69.569	0.038	69.587	0.022
69.607	0.013	69.625	0.021	69.642	0.025	69.658	0.024
69.676	0.016	69.690	0.004	69.708	0.015	69.722	0.011
69.731	-0.005	69.751	0.019	69.766	0.022	69.786	0.022
69.801	0.018	69.817	-0.006	69.835	0.025	69.855	0.017
69.870	0.016	69.890	0.012	69.911	0.012	69.927	0.023
69.945	0.011	69.962	0.027	69.979	0.015	69.999	-0.005
70.018	0.007	70.045	0.022	70.061	0.018	70.079	0.022
70.096	0.026	70.114	0.022	70.138	0.025	70.163	0.005
70.182	0.013	70.199	0.013	70.230	0.012	70.256	0.012
70.280	0.020	70.303	0.015	70.325	0.011	70.348	0.015
70.372	0.018	70.400	0.030	70.428	0.033	70.449	0.013
70.470	-0.011	70.490	0.004	70.511	0.031	70.536	0.007
70.565	-0.002	70.588	0.009	70.613	0.028	70.639	0.003
70.666	-0.001	70.689	0.002	70.710	0.009	70.747	-0.004
70.774	0.007	70.796	0.018	70.818	-0.010	70.841	-0.002
70.863	-0.011	70.896	-0.011	70.923	-0.035	70.955	0.009
70.973	0.021	70.993	0.009	71.014	0.020	71.048	0.012
71.071	0.000	71.103	0.000	71.124	0.000	71.145	0.008
71.157	0.008	71.170	-0.003	71.184	0.001	71.196	0.013
71.216	0.001	71.237	0.013	71.254	0.001	71.274	-0.006
71.297	0.014	71.315	-0.018	71.335	-0.002	71.355	-0.002
71.376	-0.001	71.395	0.015	71.410	0.027	71.428	0.003
71.446	0.015	71.455	0.031	71.469	0.007	71.487	-0.009
71.501	-0.017	71.519	0.006	71.538	0.002	71.555	0.006
71.585	0.002	71.603	0.002	71.623	0.005	71.646	-0.003
71.667	-0.003	71.687	-0.011	71.698	-0.019	71.711	-0.015
71.728	0.001	71.746	0.000	71.762	-0.012	71.774	-0.024
71.792	-0.008	71.814	-0.008	71.828	-0.000	71.845	-0.001
71.865	0.003	71.883	-0.001	71.898	0.003	71.915	0.014
71.932	0.014	71.943	-0.014	71.953	-0.014	71.975	-0.002
71.988	0.013	72.001	-0.007	72.018	0.005	72.033	0.017
72.054	-0.003	72.070	-0.012	72.090	-0.008	72.105	0.020
72.128	-0.000	72.142	0.003	72.154	0.023	72.178	0.031
72.196	0.011	72.217	-0.013	72.234	-0.002	72.251	0.006
72.265	-0.002	72.282	0.022	72.297	0.018	72.318	-0.003
72.333	-0.015	72.358	0.005	72.384	-0.019	72.404	-0.008
72.416	0.004	72.429	0.004	72.454	0.008	72.466	0.020
72.484	0.031	72.506	0.019	72.524	0.011	72.542	-0.009
72.565	-0.001	72.587	-0.001	72.607	-0.002	72.625	-0.002
72.639	-0.006	72.652	-0.026	72.663	-0.018	72.684	0.010
72.702	-0.002	72.715	0.005	72.735	-0.003	72.750	0.017
72.764	0.033	72.776	0.009	72.797	-0.011	72.816	-0.003
72.834	0.001	72.849	0.032	72.867	0.000	72.889	-0.052

72.910	-0.024	72.924	0.016	72.945	-0.000	72.962	0.008
72.978	0.023	72.993	-0.008	73.013	-0.009	73.030	-0.001
73.047	-0.001	73.063	0.019	73.076	-0.001	73.094	0.023
73.116	0.023	73.137	0.018	73.165	-0.009	73.192	-0.010
73.213	-0.010	73.237	0.002	73.259	-0.006	73.273	-0.018
73.288	0.002	73.304	-0.018	73.317	-0.018	73.332	0.002
73.347	0.034	73.369	0.006	73.391	-0.010	73.413	-0.014
73.428	-0.010	73.452	0.033	73.470	0.009	73.492	-0.003
73.509	0.005	73.524	0.037	73.539	0.049	73.554	0.009
73.578	0.001	73.598	-0.003	73.620	-0.015	73.641	-0.027
73.658	-0.003	73.677	0.024	73.694	0.000	73.711	-0.024
73.724	0.008	73.741	0.044	73.759	-0.008	73.783	-0.032
73.804	0.016	73.819	-0.000	73.836	-0.032	73.855	0.011
73.866	0.011	73.882	-0.001	73.899	0.027	73.909	0.034
73.929	0.022	73.944	0.010	73.961	0.010	73.978	-0.006
73.996	-0.007	74.016	0.025	74.032	0.009	74.053	0.008
74.069	0.008	74.087	-0.020	74.103	0.003	74.121	0.015
74.134	-0.009	74.155	0.006	74.176	-0.002	74.193	-0.022
74.205	-0.002	74.216	0.005	74.229	-0.027	74.238	-0.035
74.255	-0.015	74.274	-0.019	74.289	-0.003	74.305	0.012
74.321	0.012	74.344	0.008	74.365	-0.012	74.394	0.004
74.413	-0.001	74.435	-0.025	74.458	-0.009	74.475	0.031
74.492	0.034	74.512	-0.001	74.524	-0.041	74.543	0.002
74.561	0.030	74.582	0.018	74.603	-0.002	74.618	-0.010
74.634	0.010	74.652	-0.010	74.663	-0.046	74.684	-0.022
74.697	0.010	74.713	-0.006	74.736	-0.030	74.756	-0.014
74.777	0.030	74.795	0.002	74.818	0.010	74.837	0.010
74.862	0.014	74.879	-0.025	74.900	-0.005	74.917	0.034
74.934	0.019	74.959	0.011	74.978	-0.029	75.001	0.003
75.024	0.043	75.036	0.078	75.058	0.023	75.084	-0.017
75.109	-0.017	75.136	-0.017	75.157	-0.001	75.181	-0.001
75.198	-0.021	75.217	-0.013	75.243	-0.013	75.260	0.003
75.279	0.023	75.300	0.003	75.322	0.011	75.344	-0.033
75.366	-0.013	75.382	-0.013	75.399	-0.009	75.409	-0.005
75.428	0.011	75.449	0.027	75.454	0.043	75.470	0.003
75.494	0.023	75.515	-0.001	75.537	0.019	75.545	0.003
75.550	-0.005	75.560	0.015	75.577	0.027	75.588	0.020
75.598	-0.000	75.618	-0.012	75.634	0.004	*75.647	0.020
75.661	0.020	75.670	0.004	75.681	-0.007	75.692	-0.023
75.704	-0.007	75.715	-0.003	75.728	-0.003	75.737	-0.023
75.747	-0.047	75.756	-0.043	75.767	-0.027	75.780	-0.015
75.793	-0.007	75.805	-0.006	75.822	-0.006	75.834	-0.002
75.847	0.010	75.856	0.002	75.867	-0.010	75.876	-0.006
75.892	0.006	75.901	0.002	75.911	-0.002	75.920	-0.017
75.928	-0.009	75.941	0.011	75.952	0.015	75.960	0.003
75.972	-0.013	75.983	-0.009	75.994	0.003	76.001	-0.001
76.012	-0.013	76.022	-0.025	76.031	-0.013	76.044	0.015
76.056	0.031	76.065	0.019	76.081	0.016	76.095	-0.000
76.109	-0.000	76.121	-0.012	76.133	-0.020	76.144	-0.028
76.157	-0.016	76.172	-0.008	76.185	0.000	76.196	-0.012
76.207	-0.024	76.218	-0.012	76.231	-0.008	76.238	-0.024
76.250	-0.032	76.264	-0.016	76.281	-0.001	76.301	0.003
76.317	0.011	76.332	0.003	76.359	0.003	76.376	-0.009
76.394	-0.009	76.412	-0.002	76.429	-0.002	76.451	0.018
76.474	-0.006	76.487	-0.002	76.503	-0.002	76.516	-0.010
76.534	0.005	76.554	-0.011	76.569	0.001	76.582	0.009

76.593	-0.011	76.606	-0.027	76.613	-0.035	76.626	-0.015
76.640	-0.011	76.652	-0.027	76.664	-0.012	76.681	0.008
76.693	0.012	76.705	0.008	76.721	-0.004	76.735	-0.004
76.750	-0.000	76.767	-0.008	76.784	-0.017	76.799	-0.005
76.813	0.003	76.824	-0.009	76.834	-0.021	76.844	-0.009
76.860	-0.001	76.876	0.007	76.891	0.010	76.901	-0.002
76.912	-0.018	76.922	-0.010	76.931	0.006	76.944	0.014
76.957	0.002	76.974	-0.006	76.987	-0.019	76.998	-0.027
77.009	-0.039	77.018	-0.023	77.030	-0.003	77.041	0.009
77.055	-0.004	77.071	0.008	77.081	0.000	77.093	-0.008
77.103	-0.012	77.118	-0.000	77.132	0.007	77.148	0.027
77.162	0.023	77.176	0.011	77.191	-0.005	77.203	-0.021
77.211	-0.013	77.225	-0.010	77.237	-0.010	77.248	-0.014
77.262	-0.026	77.274	-0.018	77.285	-0.014	77.298	-0.011
77.311	0.001	77.328	0.001	77.344	0.001	77.365	0.012
77.385	-0.008	77.399	0.000	77.417	-0.024	77.431	-0.036
77.448	-0.020	77.464	-0.016	77.483	-0.013	77.500	-0.005
77.523	-0.005	77.546	-0.005	77.563	-0.017	77.587	-0.009
77.609	-0.005	77.630	-0.005	77.656	0.010	77.680	-0.010
77.698	-0.006	77.717	0.002	77.736	-0.014	77.755	-0.026
77.778	-0.014	77.811	-0.019	77.835	-0.011	77.858	0.001
77.870	-0.007	77.883	-0.007	77.902	-0.023	77.922	-0.019
77.946	-0.043	77.975	-0.019	77.991	-0.019	78.008	-0.015
78.033	-0.023	78.055	-0.023	78.081	-0.015	78.108	-0.011
78.134	-0.003	78.157	0.001	78.178	0.001	78.191	-0.007
78.208	-0.015	78.226	-0.003	78.252	-0.003	78.270	0.001
78.287	-0.011	78.302	-0.019	78.321	-0.007	78.336	0.001
78.350	-0.015	78.389	-0.015	78.410	-0.031	78.430	-0.015
78.446	-0.003	78.466	-0.015	78.490	-0.027	78.508	-0.015
78.528	-0.007	78.552	-0.015	78.565	-0.023	78.582	-0.007
78.605	-0.003	78.625	0.005	78.643	-0.003	78.682	-0.003
78.702	-0.011	78.725	-0.019	78.740	-0.008	78.760	-0.004
78.778	0.004	78.789	0.008	78.800	0.000	78.823	-0.008
78.848	-0.008	78.866	-0.012	78.889	-0.004	78.908	-0.016
78.925	-0.008	78.948	-0.012	78.966	-0.020	78.985	-0.024
79.003	-0.016	79.022	-0.008	79.049	-0.008	79.070	0.003
79.100	-0.005	79.122	0.015	79.142	0.011	79.159	-0.001
79.171	0.007	79.189	-0.013	79.216	0.010	79.232	0.002
79.259	0.010	79.273	-0.002	79.293	0.014	79.317	0.006
79.335	-0.006	79.351	0.002	79.371	-0.010	79.395	0.005
79.412	-0.011	79.433	0.001	79.452	-0.011	79.477	0.009
79.492	-0.003	79.507	0.004	79.525	-0.016	79.556	0.012
79.571	-0.000	79.588	-0.000	79.614	0.003	79.646	-0.001
79.661	0.007	79.676	0.018	79.700	0.014	79.721	-0.002
79.739	0.014	79.757	0.002	79.786	-0.011	79.799	-0.007
79.816	0.009	79.847	0.001	79.866	0.004	79.881	0.012
79.896	0.004	79.915	-0.012	79.940	0.004	79.963	-0.009
79.982	-0.001	80.004	0.011	80.023	0.014	80.042	0.006
80.056	-0.002	80.072	-0.010	80.090	-0.007	80.109	0.001
80.129	0.005	80.156	0.004	80.181	0.008	80.195	-0.008
80.213	-0.013	80.233	-0.013	80.248	-0.005	80.269	0.006
80.304	0.002	80.326	-0.006	80.355	-0.003	80.392	-0.003
80.409	-0.015	80.428	-0.004	80.451	-0.004	80.466	-0.012
80.483	-0.016	80.520	-0.013	80.543	-0.009	80.559	-0.001
80.573	0.010	80.587	-0.006	80.609	-0.006	80.627	-0.006
80.648	-0.010	80.664	0.006	80.686	-0.014	80.703	-0.010

80.721	-0.006	80.747	-0.010	80.765	0.002	80.783	-0.010
80.809	-0.002	80.842	-0.002	80.863	-0.010	80.893	0.002
80.917	-0.002	80.942	-0.010	80.960	-0.003	80.976	0.005
80.996	-0.003	81.011	-0.015	81.032	-0.003	81.052	-0.003
81.069	-0.003	81.091	-0.007	81.119	-0.007	81.141	0.005
81.168	-0.007	81.208	-0.007	81.231	0.005	81.259	-0.003
81.287	-0.011	81.309	0.005	81.345	0.005	81.367	-0.011
81.383	-0.011	81.402	-0.003	81.418	0.005	81.432	0.009
81.449	0.001	81.464	-0.007	81.481	0.001	81.501	0.005
81.520	-0.003	81.533	-0.011	81.555	-0.007	81.578	-0.019
81.593	-0.011	81.611	-0.007	81.631	-0.011	81.645	-0.011
81.657	-0.019	81.680	-0.011	81.703	-0.015	81.722	-0.007
81.745	-0.003	81.774	-0.003	81.793	0.001	81.824	-0.003
81.846	0.005	81.870	0.005	81.890	-0.003	81.914	-0.007
81.944	-0.004	81.971	-0.008	81.998	-0.012	82.025	-0.020
82.048	-0.008	82.066	0.000	82.088	0.000	82.110	0.000
82.128	-0.008	82.165	-0.004	82.186	-0.008	82.210	-0.004
82.236	-0.004	82.255	-0.000	82.279	-0.001	82.299	-0.009
82.319	-0.001	82.338	-0.009	82.357	-0.017	82.379	-0.013
82.393	-0.005	82.417	0.007	82.433	-0.005	82.455	-0.005
82.476	-0.013	82.503	-0.010	82.520	0.002	82.541	-0.010
82.553	-0.002	82.577	0.006	82.602	0.002	82.619	-0.002
82.640	-0.010	82.659	-0.010	82.686	0.002	82.703	-0.002
82.724	-0.002	82.747	0.002	82.765	-0.010	82.783	-0.006
82.805	-0.002	82.824	-0.006	82.840	-0.014	82.860	-0.010
82.893	-0.006	82.917	-0.010	82.943	-0.010	82.970	-0.006
82.991	0.002	83.018	-0.002	83.048	-0.001	83.068	0.015
83.091	-0.009	83.115	0.011	83.139	-0.001	83.159	-0.005
83.180	-0.001	83.199	0.003	83.219	-0.009	83.234	-0.016
83.254	-0.004	83.269	-0.004	83.298	0.004	83.334	0.000
83.368	-0.004	83.397	-0.004	83.419	-0.004	83.435	0.004
83.452	0.012	83.468	0.000	83.485	-0.012	83.499	0.000
83.517	0.012	83.537	-0.004	83.560	0.004	83.587	-0.012
83.600	0.000	83.616	0.012	83.633	0.004	83.656	0.004
83.678	-0.012	83.692	0.008	83.712	0.004	83.729	0.016
83.742	0.004	83.762	-0.004	83.783	0.000	83.802	-0.008
83.817	0.004	83.833	0.012	83.852	-0.012	83.867	-0.004
83.888	0.004	83.908	-0.009	83.928	-0.001	83.946	0.003
83.962	0.003	83.982	0.007	84.000	-0.005	84.020	-0.013
84.034	-0.001	84.050	0.019	84.066	0.034	84.077	0.011
84.095	-0.001	84.136	-0.002	84.157	-0.014	84.174	-0.022
84.190	-0.026	84.204	-0.018	84.222	-0.002	84.242	0.010
84.257	-0.010	84.278	0.006	84.303	0.002	84.328	0.002
84.346	0.002	84.363	0.006	84.388	-0.010	84.408	0.006
84.431	-0.006	84.460	0.005	84.480	-0.003	84.508	0.009
84.532	0.005	84.545	-0.003	84.563	-0.015	84.578	-0.027
84.607	0.005	84.652	0.001	84.678	0.009	84.696	0.013
84.715	-0.007	84.741	0.005	84.765	-0.003	84.782	-0.011
84.798	-0.019	84.813	-0.007	84.832	0.013	84.847	-0.003
84.862	-0.015	84.876	-0.023	84.889	-0.007	84.910	0.013
84.937	-0.007	84.968	0.013	84.993	-0.007	85.015	-0.003
85.041	-0.015	85.082	-0.003	85.115	0.009	85.135	-0.007
85.162	0.013	85.185	-0.015	85.206	0.001	85.229	-0.011
85.260	0.005	85.291	0.005	85.313	-0.003	85.339	-0.007
85.377	-0.006	85.402	0.010	85.428	-0.014	85.455	-0.010
85.484	0.002	85.507	-0.014	85.533	0.002	85.552	-0.010

85.581	-0.022	85.604	0.002	85.626	-0.002	85.642	-0.009
85.666	-0.001	85.693	-0.013	85.727	-0.005	85.770	-0.005
85.798	-0.005	85.824	0.011	85.845	-0.005	85.871	-0.012
85.906	-0.020	85.939	-0.008	85.964	0.004	85.991	-0.003
86.021	-0.011	86.044	-0.015	86.078	-0.003	86.104	0.018
86.135	-0.022	86.156	-0.010	86.179	0.006	86.193	0.006
86.214	-0.009	86.251	-0.009	86.277	0.007	86.298	-0.008
86.318	0.008	86.336	-0.000	86.349	0.008	86.366	-0.008
86.385	0.001	86.414	-0.007	86.428	-0.002	86.440	0.006
86.459	0.002	86.505	0.003	86.527	0.004	86.544	-0.012
86.549	-0.008	86.558	-0.008	86.573	0.004	86.591	-0.012
86.601	-0.012	86.623	0.011	86.637	-0.005	86.655	-0.006
*86.668	-0.007	86.685	-0.008	86.699	-0.009	86.709	-0.013
86.731	-0.002	86.745	-0.003	86.770	-0.020	86.790	-0.020
86.800	-0.009	86.813	0.011	86.832	0.011	86.848	-0.012
86.860	-0.016	86.866	-0.004	86.886	-0.008	86.902	-0.012
86.915	-0.012	86.931	-0.012	86.943	-0.004	86.960	-0.008
86.986	-0.012	87.003	-0.012	87.019	0.003	87.027	-0.013
87.042	-0.013	87.055	-0.005	87.067	0.015	87.081	-0.010
87.092	-0.010	87.107	0.002	87.115	0.002	87.128	-0.019
87.144	-0.019	87.163	0.000	87.177	0.000	87.193	-0.016
87.211	0.004	87.225	0.004	87.242	-0.000	87.262	-0.009
87.284	-0.017	87.307	-0.009	87.320	0.003	87.334	-0.013
87.352	0.003	87.365	-0.009	87.379	-0.009	87.400	-0.002
87.418	-0.021	87.440	-0.002	87.471	-0.002	87.500	-0.010
87.524	0.002	87.533	-0.006	87.550	0.006	87.572	-0.010
87.587	-0.009	87.602	0.022	87.617	-0.001	87.632	-0.009
87.648	0.019	87.675	-0.001	87.688	-0.013	87.708	0.003
87.726	-0.005	87.746	-0.005	87.777	0.006	87.782	0.022
87.794	0.006	87.829	0.005	87.854	0.005	87.874	0.008
87.895	0.004	87.918	-0.001	87.950	0.002	87.966	-0.002
87.982	0.010	88.000	-0.007	88.019	-0.011	88.033	0.008
88.047	0.024	88.058	0.016	88.075	0.008	88.096	-0.005
88.122	-0.006	88.139	-0.006	88.157	0.009	88.175	0.005
88.194	-0.012	88.221	-0.000	88.245	-0.001	88.263	-0.001
88.280	-0.014	88.297	-0.014	88.317	0.017	88.335	0.005
88.362	-0.016	88.374	-0.036	88.396	-0.017	88.423	-0.001
88.441	-0.017	88.457	-0.022	88.483	-0.006	88.495	-0.006
88.511	-0.026	88.547	0.001	88.566	0.009	88.584	0.021
88.605	-0.010	88.629	-0.038	88.642	-0.038	88.665	-0.010
88.692	0.007	88.712	0.007	88.742	0.003	88.756	-0.025
88.779	-0.029	88.805	-0.009	88.829	0.015	88.848	0.034
88.860	0.034	88.873	0.006	88.892	-0.026	88.906	-0.042
88.923	-0.026	88.946	-0.022	88.966	-0.042	88.996	-0.008
89.020	0.012	89.045	0.011	89.059	0.002	89.074	0.018
89.090	0.033	89.109	-0.015	89.121	-0.015	89.137	0.001
89.160	0.001	89.179	0.009	89.196	0.001	89.212	-0.019
89.228	-0.031	89.252	-0.019	89.274	-0.018	89.307	0.017
89.319	0.022	89.342	-0.011	89.355	-0.012	89.372	0.031
89.393	-0.025	89.414	-0.030	89.435	0.001	89.458	0.000
89.482	-0.001	89.502	-0.013	89.520	0.006	89.537	0.006
89.553	-0.014	89.577	-0.030	89.597	-0.030	89.610	0.022
89.622	0.018	89.642	0.002	89.665	-0.021	89.686	-0.001
89.711	-0.001	89.731	-0.013	89.750	-0.013	89.767	0.007
89.795	0.026	89.821	0.014	89.846	-0.030	89.864	-0.007
89.882	0.001	89.904	-0.019	89.943	0.015	89.980	-0.005

90.003	-0.014	90.025	-0.022	90.048	0.009	90.063	-0.007
90.080	-0.023	90.106	-0.002	90.128	-0.022	90.143	-0.022
90.153	-0.006	90.175	-0.005	90.200	0.003	90.229	-0.001
90.255	-0.028	90.292	-0.012	90.309	0.024	90.321	0.021
90.335	0.005	90.372	0.005	90.386	0.001	90.407	-0.015
90.443	-0.003	90.468	0.009	90.480	-0.011	90.502	-0.007
90.525	-0.023	90.541	-0.003	90.561	-0.023	90.576	0.021
90.594	0.017	90.611	-0.015	90.633	0.004	90.649	-0.019
90.664	0.012	90.696	-0.016	90.717	0.008	90.735	-0.004
90.747	-0.004	90.765	0.008	90.780	0.003	90.796	-0.009
90.816	0.015	90.826	-0.001	90.846	-0.017	90.863	-0.001
90.883	0.006	90.901	-0.018	90.913	-0.018	90.930	-0.002
90.947	0.014	90.964	-0.010	90.985	-0.018	91.001	-0.002
91.023	-0.002	91.046	-0.019	91.076	-0.003	91.101	0.013
91.119	0.009	91.136	-0.015	91.150	-0.023	91.173	-0.003
91.199	-0.003	91.217	0.001	91.240	-0.015	91.267	0.005
91.286	-0.007	91.303	0.025	91.331	0.013	91.350	0.017
91.372	0.001	91.393	-0.011	91.425	-0.015	91.442	-0.027
91.461	0.009	91.487	0.013	91.508	0.016	91.527	0.000
91.550	0.000	91.579	0.000	91.605	-0.008	91.635	-0.008
91.674	-0.008	91.697	-0.008	91.715	0.008	91.734	-0.004
91.762	0.000	91.781	-0.019	91.819	-0.003	91.854	-0.003
91.878	-0.004	91.894	0.024	91.915	-0.008	91.949	-0.008
91.987	-0.010	92.008	0.009	92.034	-0.004	92.052	0.011
92.071	-0.002	92.090	-0.014	92.106	0.005	92.122	0.005
92.149	-0.012	92.178	0.012	92.207	-0.016	92.223	-0.015
92.243	0.001	92.266	0.001	92.289	0.001	92.301	-0.011
92.324	0.017	92.343	0.016	92.358	-0.004	92.381	-0.016
92.411	-0.013	92.452	-0.002	92.491	-0.003	92.532	-0.004
92.563	-0.009	92.605	-0.014	92.640	-0.014	92.662	-0.026
92.693	-0.003	92.729	-0.007	92.771	-0.007	92.801	-0.012
92.834	-0.004	92.849	0.004	92.878	-0.012	92.901	0.004
92.917	-0.000	92.938	-0.012	92.956	-0.021	92.978	-0.001
92.995	-0.009	93.015	-0.028	93.040	0.004	93.078	0.004
93.095	-0.019	93.124	-0.011	93.154	-0.011	93.175	-0.027
93.192	-0.003	93.217	-0.010	93.236	-0.018	93.261	-0.002
93.283	-0.006	93.301	-0.026	93.319	-0.010	93.339	-0.006
93.365	-0.007	93.377	0.001	93.396	-0.023	93.422	-0.012
93.447	-0.013	93.475	-0.013	93.509	-0.013	93.532	-0.018
93.550	-0.010	93.575	-0.022	93.615	-0.007	93.645	0.001
93.671	-0.003	93.688	-0.031	93.710	-0.007	93.732	-0.015
93.752	-0.007	93.773	-0.031	93.785	-0.003	93.811	-0.022
93.841	-0.006	93.862	-0.006	93.883	-0.026	93.904	-0.026
93.927	0.006	93.947	-0.005	93.967	-0.017	94.004	-0.004
94.024	-0.004	94.058	-0.007	94.101	-0.002	94.147	-0.002
94.181	-0.001	94.203	0.007	94.223	-0.017	94.253	-0.017
94.294	-0.002	94.321	-0.002	94.354	-0.010	94.379	-0.022
94.410	0.009	94.447	0.005	94.463	0.005	94.483	-0.007
94.520	-0.020	94.544	-0.004	94.556	0.004	94.584	-0.008
94.620	-0.001	94.653	-0.001	94.665	-0.009	94.680	-0.013
94.720	0.002	94.745	-0.002	94.764	-0.010	94.788	-0.014
94.834	-0.015	94.848	-0.027	94.877	-0.015	94.928	-0.024
94.964	-0.012	94.997	-0.009	95.020	-0.021	95.063	-0.016
95.103	-0.015	95.130	-0.003	95.148	-0.022	95.171	0.002
95.188	-0.018	95.210	-0.017	95.235	-0.001	95.251	-0.021
95.272	-0.004	95.287	-0.024	95.314	0.020	95.344	0.009

95.372	0.009	95.393	0.009	95.415	-0.022	95.452	-0.010
95.474	0.014	95.509	-0.001	95.537	-0.001	95.578	-0.000
95.607	-0.008	95.658	-0.004	95.698	-0.003	95.747	0.001
95.779	0.001	95.816	0.000	95.882	-0.004	95.910	0.007
95.947	-0.005	95.976	-0.006	96.005	-0.002	96.035	-0.014
96.066	0.005	96.100	-0.007	96.140	-0.006	96.164	-0.014
96.177	0.002	96.217	-0.005	96.237	0.003	96.254	-0.012
96.281	0.016	96.308	0.001	96.369	-0.001	96.415	-0.004
96.429	0.000	96.435	0.020	96.451	-0.011	96.482	0.002
96.510	0.002	96.527	-0.005	96.578	-0.004	96.607	-0.008
96.637	-0.008	96.661	0.008	96.688	-0.004	96.720	-0.004
96.764	-0.004	96.783	0.004	96.803	-0.021	96.828	0.002
96.864	-0.016	96.904	-0.005	96.917	-0.026	96.944	0.005
96.954	-0.012	96.977	-0.032	96.998	-0.005	97.031	-0.018
97.054	-0.026	97.098	-0.003	97.136	-0.019	97.163	-0.003
97.184	0.005	97.213	0.013	97.232	-0.022	97.266	-0.001
97.296	-0.016	97.322	0.001	97.339	-0.006	97.383	-0.004
97.415	-0.015	97.429	0.006	97.455	-0.020	97.488	-0.007
97.516	0.001	97.536	-0.023	97.574	0.003	97.587	0.003

IG111
71.031 2/9/71 0600 PST J.P.L., PASADENA, 9TH FLOOR S82E

4085 POINTS 101.870 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.3742 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.012	0.023	0.040	0.035	0.068	0.047	0.092
0.056	0.104	0.076	0.116	0.086	0.088	0.094	0.040
0.106	-0.008	0.118	0.012	0.130	0.048	0.144	0.096
0.158	0.116	0.176	0.104	0.192	0.088	0.217	0.036
0.231	0.028	0.250	0.012	0.266	-0.020	0.277	-0.044
0.291	-0.028	0.310	-0.032	0.326	-0.012	0.338	0.048
0.353	0.060	0.369	0.052	0.387	0.040	0.398	0.036
0.412	0.036	0.425	0.008	0.437	0.000	0.452	0.020
0.469	0.004	0.481	-0.004	0.500	0.000	0.517	0.000
0.533	-0.008	0.547	-0.020	0.559	-0.052	0.573	-0.072
0.588	-0.072	0.603	-0.056	0.620	-0.016	0.632	-0.040
0.644	-0.080	0.662	-0.056	0.676	-0.100	0.690	-0.135
0.707	-0.135	0.720	-0.135	0.740	-0.068	0.752	-0.016
0.768	0.036	0.778	0.072	0.790	0.088	0.806	0.056
0.821	0.032	0.839	0.000	0.858	0.040	0.871	0.060
0.888	0.068	0.906	0.052	0.917	0.084	0.932	0.116
0.940	0.108	0.955	0.088	0.969	0.088	0.987	0.052
1.000	-0.004	1.014	-0.032	1.033	0.020	1.045	0.048
1.075	0.080	1.093	0.131	1.110	0.147	1.131	0.135
1.154	0.088	1.175	0.088	1.191	0.024	1.209	-0.064
1.228	-0.044	1.256	-0.024	1.276	0.048	1.291	0.128
1.303	0.151	1.318	0.124	1.338	0.100	1.354	0.012
1.365	-0.064	1.388	-0.072	1.408	-0.096	1.423	-0.112
1.441	-0.143	1.471	-0.104	1.491	-0.064	1.514	-0.028
1.543	-0.027	1.560	-0.083	1.580	-0.142	1.600	-0.221
1.641	-0.261	1.663	-0.184	1.678	-0.132	1.698	-0.044
1.713	0.012	1.746	0.029	1.772	-0.056	1.797	-0.057
1.825	-0.067	1.841	-0.115	1.867	-0.100	1.887	-0.114
1.912	-0.053	1.932	-0.034	1.943	0.002	1.970	-0.002
2.007	0.002	2.024	0.095	2.052	0.203	2.066	0.187
2.088	0.204	2.112	0.248	2.131	0.379	2.142	0.527
2.152	0.639	2.167	0.707	2.182	0.699	2.202	0.632
2.211	0.485	2.227	0.314	2.238	0.158	2.250	-0.021
2.266	-0.136	2.282	-0.256	2.299	-0.384	2.318	-0.396
2.335	-0.334	2.353	-0.155	2.363	-0.056	2.375	0.039
2.387	0.062	2.403	0.053	2.409	0.001	2.420	-0.023
2.433	-0.000	2.443	-0.065	2.452	-0.161	2.463	-0.221
2.489	-0.243	2.495	-0.315	2.505	-0.403	2.522	-0.455
2.540	-0.376	2.551	-0.245	2.561	-0.150	2.572	-0.087
2.587	0.140	2.599	0.282	2.610	0.385	2.628	0.484

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
2.646	0.399	2.662	0.254	2.677	0.078	2.691	-0.138
2.710	-0.383	2.725	-0.531	2.743	-0.711	2.754	-0.812
2.767	-0.872	2.788	-0.778	2.800	-0.695	2.855	-0.545
2.881	-0.390	2.912	-0.135	2.941	0.124	2.960	0.336
2.983	0.553	3.003	0.801	3.020	0.997	3.031	1.046
3.050	1.032	3.066	0.966	3.078	0.860	3.095	0.561
3.111	0.279	3.126	0.040	3.138	-0.187	3.152	-0.388
3.163	-0.521	3.178	-0.550	3.199	-0.485	3.218	-0.254
3.231	-0.051	3.252	0.267	3.265	0.423	3.275	0.555
3.290	0.612	3.314	0.526	3.332	0.392	3.347	0.274
3.362	0.203	3.376	0.219	3.397	0.176	3.422	0.233
3.440	0.294	3.452	0.381	3.462	0.408	3.485	0.312
3.505	0.159	3.520	-0.045	3.531	-0.309	3.542	-0.546
3.552	-0.719	3.561	-0.860	3.575	-0.979	3.568	-1.081
3.606	-1.152	3.629	-1.028	3.643	-0.815	3.657	-0.522
3.671	-0.216	3.683	0.152	3.696	0.420	3.711	0.656
3.726	0.876	3.740	1.028	3.751	1.054	3.765	1.011
3.782	0.782	3.803	0.476	3.820	0.157	3.836	-0.198
3.855	-0.573	3.878	-0.663	3.890	-0.940	3.903	-0.962
3.924	-0.909	3.943	-0.757	3.962	-0.616	3.987	-0.577
4.021	-0.517	4.034	-0.416	4.048	-0.314	4.069	-0.301
4.087	-0.210	4.101	-0.096	4.116	-0.017	4.134	0.026
4.154	-0.042	4.173	-0.202	4.189	-0.425	4.207	-0.665
4.219	-0.853	4.235	-1.001	4.251	-1.038	4.283	-0.940
4.300	-0.650	4.323	-0.348	4.343	-0.041	4.363	0.307
4.380	0.622	4.394	0.870	4.402	1.031	4.419	1.129
4.437	1.089	4.459	0.893	4.473	0.808	4.492	0.637
4.513	0.359	4.531	0.115	4.547	-0.081	4.564	-0.304
4.583	-0.429	4.608	-0.531	4.629	-0.429	4.649	-0.145
4.664	0.176	4.682	0.562	4.703	1.029	4.726	1.449
4.739	1.730	4.752	2.099	4.767	2.306	4.776	2.507
4.785	2.644	4.797	2.722	4.817	2.638	4.830	2.407
4.843	2.060	4.861	1.653	4.876	1.226	4.889	0.861
4.903	0.332	4.916	-0.094	4.929	-0.591	4.940	-1.020
4.950	-1.443	4.966	-1.842	4.980	-2.133	4.991	-2.255
5.005	-2.313	5.029	-2.065	5.047	-1.616	5.065	-1.070
5.082	-0.484	5.093	-0.093	5.101	0.276	5.116	0.736
5.126	1.018	5.138	1.305	5.154	1.570	5.170	1.643
5.188	1.550	5.203	1.340	5.219	0.954	5.232	0.572
5.242	0.254	5.251	-0.139	5.261	-0.676	5.272	-1.361

5.279	-1.921	5.288	-2.395	5.301	-2.996	5.311	-3.476
5.328	-3.799	5.341	-3.869	5.363	-3.696	5.378	-3.221
5.391	-2.711	5.405	-2.160	5.422	-1.494	5.440	-0.795
5.463	-0.085	5.481	0.452	5.509	1.064	5.534	1.561
5.552	1.831	5.573	1.939	5.594	1.886	5.609	1.667
5.641	1.056	5.660	0.742	5.675	0.471	5.692	0.100
5.709	-0.301	5.721	-0.615	5.731	-0.832	5.741	-1.021
5.756	-1.128	5.788	-1.030	5.800	-0.913	5.812	-0.631
5.827	-0.239	5.841	0.173	5.853	0.683	5.865	1.148
5.875	1.591	5.883	1.973	5.894	2.369	5.903	2.768
5.912	3.147	5.925	3.475	5.946	3.651	5.962	3.632
5.976	3.273	5.992	2.643	6.001	2.251	6.017	1.628
6.036	0.922	6.059	0.154	6.079	-0.469	6.108	-1.014
6.118	-1.195	6.127	-1.352	6.136	-1.429	6.170	-1.374
6.192	-1.150	6.210	-0.947	6.229	-0.679	6.246	-0.454
6.265	-0.317	6.301	-0.305	6.320	-0.159	6.342	-0.007
6.366	0.146	6.385	0.159	6.402	0.148	6.417	0.103
6.436	0.133	6.447	0.084	6.462	-0.009	6.480	-0.262
6.495	-0.559	6.511	-0.953	6.528	-1.334	6.539	-1.712
6.553	-1.929	6.567	-2.115	6.587	-1.940	6.605	-1.585
6.619	-1.163	6.636	-0.707	6.657	-0.246	6.678	0.151
6.701	0.449	6.721	0.568	6.734	0.622	6.745	0.625
6.764	0.676	6.781	0.596	6.806	0.525	6.824	0.623
6.839	0.701	6.857	0.843	6.880	0.790	6.905	0.684
6.933	0.562	6.952	0.471	6.985	0.313	6.999	0.149
7.018	-0.034	7.030	-0.153	7.048	-0.293	7.068	-0.293
7.099	-0.253	7.120	-0.093	7.147	0.157	7.175	0.507
7.196	0.846	7.214	1.189	7.229	1.464	7.240	1.578
7.258	1.647	7.275	1.510	7.286	1.285	7.302	0.981
7.316	0.744	7.336	0.462	7.355	0.259	7.375	0.064
7.399	-0.071	7.426	-0.156	7.452	-0.249	7.470	-0.281
7.499	-0.422	7.517	-0.538	7.535	-0.670	7.552	-0.719
7.577	-0.628	7.603	-0.350	7.621	-0.124	7.644	0.121
7.668	0.294	7.688	0.351	7.714	0.257	7.737	0.009
7.754	-0.255	7.770	-0.506	7.785	-0.877	7.801	-1.265
7.812	-1.583	7.826	-1.958	7.844	-2.299	7.861	-2.516
7.878	-2.569	7.898	-2.440	7.917	-2.087	7.936	-1.643
7.958	-1.167	7.980	-0.803	8.007	-0.595	8.038	-0.291
8.076	0.086	8.110	0.437	8.137	0.676	8.159	0.811
8.180	0.893	8.203	0.813	8.223	0.653	8.242	0.428
8.258	0.206	8.280	0.041	8.302	-0.089	8.319	-0.103
8.347	-0.088	8.367	0.070	8.392	0.344	8.413	0.598
8.434	0.884	8.454	1.150	8.476	1.384	8.491	1.530
8.509	1.601	8.530	1.712	8.548	1.687	8.561	1.642
8.576	1.545	8.593	1.371	8.603	1.244	8.622	0.951
8.637	0.745	8.651	0.562	8.670	0.281	8.684	0.103
8.698	-0.088	8.715	-0.248	8.730	-0.352	8.746	-0.477
8.766	-0.633	8.786	-0.730	8.806	-0.807	8.825	-0.836
8.860	-0.840	8.887	-0.759	8.906	-0.597	8.936	-0.449
8.954	-0.324	8.964	-0.241	8.987	-0.156	9.003	-0.190
9.018	-0.260	9.034	-0.397	9.047	-0.574	9.060	-0.723
9.077	-0.877	9.090	-0.987	9.102	-1.065	9.116	-1.095
9.125	-1.152	9.141	-1.230	9.158	-1.213	9.184	-1.057
9.206	-0.853	9.228	-0.621	9.249	-0.400	9.268	-0.221
9.295	-0.058	9.321	0.073	9.347	0.177	9.365	0.210
9.395	0.306	9.420	0.371	9.443	0.360	9.473	0.345

9.492	0.310	9.512	0.239	9.530	0.140	9.546	0.037
9.559	-0.063	9.567	-0.134	9.589	-0.169	9.620	-0.199
9.648	-0.054	9.673	0.159	9.700	0.393	9.726	0.653
9.750	0.911	9.770	1.112	9.785	1.218	9.800	1.256
9.817	1.190	9.837	1.108	9.858	0.956	9.885	0.867
9.917	0.782	9.949	0.709	9.970	0.656	10.003	0.493
10.020	0.366	10.037	0.199	10.053	0.072	10.068	-0.031
10.087	-0.059	10.124	0.081	10.154	0.192	10.174	0.279
10.195	0.275	10.218	0.234	10.243	0.110	10.260	-0.022
10.274	-0.102	10.293	-0.159	10.308	-0.264	10.328	-0.414
10.354	-0.548	10.395	-0.780	10.417	-0.923	10.433	-1.086
10.488	-1.317	10.527	-1.368	10.541	-1.345	10.560	-1.282
10.572	-1.198	10.582	-1.167	10.596	-1.108	10.611	-1.033
10.625	-0.965	10.639	-0.902	10.656	-0.795	10.668	-0.707
10.679	-0.636	10.691	-0.537	10.703	-0.445	10.711	-0.385
10.720	-0.317	10.729	-0.265	10.744	-0.209	10.755	-0.169
10.769	-0.129	10.779	-0.093	10.791	-0.049	10.805	0.015
10.819	0.099	10.834	0.140	10.849	0.161	10.863	0.194
10.878	0.219	10.892	0.244	10.902	0.293	10.914	0.366
10.927	0.478	10.941	0.575	10.951	0.632	10.962	0.682
10.976	0.720	10.997	0.740	11.019	0.755	11.037	0.798
11.053	0.873	11.068	0.984	11.080	1.067	11.091	1.141
11.106	1.189	11.123	1.241	11.135	1.271	11.158	1.284
11.173	1.272	11.190	1.224	11.203	1.163	11.215	1.093
11.229	1.015	11.244	0.922	11.259	0.848	11.271	0.770
11.284	0.665	11.297	0.590	11.309	0.511	11.323	0.424
11.337	0.380	11.357	0.365	11.373	0.325	11.387	0.308
11.401	0.295	11.417	0.267	11.432	0.218	11.446	0.153
11.462	0.052	11.473	-0.057	11.487	-0.182	11.501	-0.291
11.515	-0.429	11.528	-0.530	11.540	-0.636	11.553	-0.725
11.567	-0.791	11.581	-0.837	11.597	-0.847	11.611	-0.830
11.628	-0.820	11.641	-0.807	11.658	-0.825	11.676	-0.872
11.693	-0.971	11.710	-1.065	11.731	-1.136	11.748	-1.182
11.764	-1.217	11.778	-1.222	11.793	-1.207	11.809	-1.164
11.821	-1.097	11.831	-0.998	11.845	-0.868	11.857	-0.745
11.872	-0.610	11.884	-0.527	11.897	-0.488	11.911	-0.469
11.925	-0.481	11.936	-0.514	11.946	-0.546	11.958	-0.595
11.970	-0.623	11.986	-0.620	12.000	-0.565	12.016	-0.485
12.028	-0.409	12.038	-0.314	12.053	-0.210	12.063	-0.142
12.075	-0.046	12.087	0.038	12.104	0.142	12.116	0.210
12.128	0.283	12.140	0.335	12.155	0.396	12.170	0.446
12.186	0.483	12.201	0.553	12.217	0.615	12.236	0.727
12.253	0.799	12.265	0.853	12.281	0.896	12.298	0.940
12.309	0.967	12.321	0.945	12.340	0.926	12.363	0.917
12.383	0.919	12.403	0.921	12.421	0.923	12.439	0.952
12.456	0.977	12.473	1.003	12.488	0.985	12.508	0.939
12.526	0.873	12.547	0.795	12.564	0.746	12.585	0.700
12.604	0.668	12.623	0.629	12.637	0.592	12.658	0.552
12.675	0.520	12.692	0.488	12.713	0.396	12.734	0.312
12.756	0.204	12.771	0.104	12.787	0.016	12.801	-0.079
12.817	-0.204	12.830	-0.324	12.844	-0.449	12.857	-0.554
12.871	-0.611	12.889	-0.659	12.912	-0.710	12.932	-0.796
12.948	-0.885	12.962	-0.974	12.981	-1.072	12.995	-1.157
13.006	-1.188	13.021	-1.224	13.038	-1.284	13.056	-1.328
13.071	-1.355	13.083	-1.358	13.097	-1.332	13.111	-1.283
13.126	-1.198	13.137	-1.159	13.150	-1.112	13.168	-1.050

13.190	-1.012	13.213	-0.972	13.234	-0.924	13.252	-0.849
13.272	-0.781	13.290	-0.745	13.305	-0.693	13.324	-0.661
13.333	-0.617	13.356	-0.541	13.371	-0.434	13.387	-0.330
13.400	-0.242	13.410	-0.130	13.423	-0.062	13.440	0.017
13.456	0.097	13.473	0.177	13.487	0.262	13.503	0.351
13.519	0.467	13.534	0.576	13.551	0.686	13.567	0.792
13.586	0.914	13.608	1.021	13.620	1.067	13.633	1.093
13.651	1.132	13.678	1.098	13.708	1.040	13.734	1.014
13.758	0.943	13.783	0.864	13.807	0.775	13.833	0.665
13.849	0.574	13.872	0.474	13.892	0.422	13.913	0.439
13.933	0.452	13.954	0.456	13.975	0.413	13.998	0.330
14.022	0.211	14.046	0.070	14.076	-0.043	14.099	-0.125
14.127	-0.228	14.157	-0.327	14.185	-0.446	14.213	-0.557
14.234	-0.652	14.258	-0.792	14.273	-0.910	14.293	-1.010
14.321	-1.083	14.343	-1.123	14.365	-1.115	14.381	-1.074
14.400	-0.950	14.417	-0.853	14.432	-0.728	14.450	-0.595
14.466	-0.498	14.486	-0.421	14.511	-0.335	14.534	-0.249
14.561	-0.185	14.590	-0.152	14.620	-0.111	14.654	-0.043
14.687	0.002	14.712	0.054	14.735	0.160	14.757	0.242
14.781	0.312	14.806	0.378	14.831	0.472	14.857	0.607
14.881	0.721	14.904	0.819	14.929	0.875	14.952	0.931
14.990	0.995	15.005	1.014	15.033	0.968	15.055	0.893
15.078	0.772	15.096	0.678	15.117	0.585	15.135	0.502
15.152	0.438	15.168	0.362	15.187	0.290	15.210	0.241
15.233	0.192	15.247	0.148	15.263	0.104	15.281	0.027
15.300	-0.049	15.320	-0.098	15.341	-0.138	15.363	-0.187
15.387	-0.228	15.411	-0.257	15.439	-0.259	15.455	-0.265
15.475	-0.307	15.495	-0.385	15.517	-0.495	15.535	-0.610
15.559	-0.738	15.584	-0.863	15.607	-0.972	15.633	-1.049
15.657	-1.078	15.677	-1.063	15.699	-0.995	15.721	-0.935
15.742	-0.841	15.760	-0.711	15.785	-0.594	15.802	-0.507
15.826	-0.420	15.854	-0.349	15.877	-0.309	15.903	-0.232
15.934	-0.155	15.958	-0.054	15.980	0.019	16.000	0.096
16.021	0.181	16.043	0.261	16.068	0.314	16.099	0.416
16.126	0.521	16.149	0.634	16.175	0.755	16.198	0.875
16.223	1.013	16.243	1.090	16.259	1.106	16.284	1.094
16.312	1.062	16.336	0.994	16.355	0.916	16.378	0.751
16.405	0.554	16.434	0.376	16.460	0.262	16.492	0.134
16.525	-0.006	16.554	-0.098	16.582	-0.175	16.602	-0.219
16.628	-0.301	16.654	-0.339	16.674	-0.337	16.694	-0.311
16.707	-0.313	16.730	-0.368	16.750	-0.462	16.771	-0.533
16.800	-0.632	16.828	-0.739	16.853	-0.814	16.884	-0.872
16.912	-0.891	16.923	-0.900	16.941	-0.918	16.963	-0.892
16.987	-0.811	17.009	-0.697	17.031	-0.579	17.053	-0.481
17.078	-0.383	17.101	-0.289	17.123	-0.206	17.141	-0.139
17.166	-0.096	17.193	-0.080	17.219	-0.033	17.250	0.004
17.278	0.041	17.306	0.135	17.334	0.256	17.362	0.402
17.388	0.519	17.417	0.666	17.446	0.793	17.467	0.893
17.491	0.941	17.518	0.966	17.539	0.973	17.563	0.925
17.595	0.814	17.624	0.696	17.650	0.614	17.675	0.495
17.704	0.340	17.724	0.240	17.751	0.176	17.777	0.151
17.805	0.138	17.829	0.118	17.857	0.065	17.888	0.012
17.916	-0.053	17.941	-0.163	17.963	-0.248	17.992	-0.352
18.024	-0.449	18.054	-0.539	18.081	-0.629	18.106	-0.683
18.135	-0.698	18.162	-0.709	18.189	-0.717	18.214	-0.711
18.238	-0.689	18.259	-0.639	18.282	-0.560	18.303	-0.476

18.323	-0.428	18.344	-0.395	18.367	-0.387	18.394	-0.350
18.421	-0.309	18.444	-0.289	18.462	-0.256	18.481	-0.184
18.501	-0.092	18.520	-0.024	18.545	0.025	18.572	0.039
18.598	0.076	18.628	0.192	18.652	0.289	18.669	0.353
18.698	0.426	18.721	0.482	18.751	0.576	18.777	0.657
18.806	0.712	18.829	0.751	18.853	0.779	18.871	0.781
18.893	0.732	18.912	0.675	18.935	0.565	18.963	0.511
18.993	0.498	19.018	0.456	19.046	0.398	19.076	0.340
19.103	0.249	19.130	0.173	19.162	0.132	19.189	0.099
19.217	0.051	19.249	-0.038	19.282	-0.176	19.305	-0.301
19.328	-0.450	19.355	-0.594	19.380	-0.718	19.400	-0.805
19.420	-0.860	19.444	-0.861	19.465	-0.849	19.488	-0.832
19.513	-0.830	19.535	-0.801	19.556	-0.750	19.577	-0.711
19.599	-0.676	19.622	-0.645	19.643	-0.597	19.661	-0.546
19.681	-0.466	19.707	-0.394	19.729	-0.334	19.757	-0.269
19.777	-0.232	19.806	-0.187	19.836	-0.146	19.867	-0.061
19.899	0.048	19.934	0.182	19.965	0.292	19.990	0.385
20.016	0.476	20.040	0.535	20.061	0.577	20.087	0.588
20.114	0.596	20.139	0.612	20.164	0.628	20.184	0.672
20.205	0.700	20.235	0.701	20.260	0.672	20.289	0.625
20.312	0.558	20.336	0.462	20.361	0.402	20.387	0.350
20.410	0.334	20.431	0.294	20.456	0.231	20.478	0.172
20.505	0.085	20.525	0.013	20.552	-0.114	20.576	-0.222
20.599	-0.330	20.637	-0.395	20.671	-0.445	20.709	-0.551
20.756	-0.650	20.796	-0.705	20.813	-0.694	20.832	-0.675
20.851	-0.636	20.880	-0.613	20.892	-0.594	20.919	-0.567
20.940	-0.540	20.956	-0.505	20.974	-0.454	20.990	-0.410
21.007	-0.362	21.022	-0.306	21.045	-0.238	21.068	-0.162
21.087	-0.097	21.105	-0.041	21.122	0.015	21.137	0.063
21.150	0.119	21.167	0.172	21.191	0.234	21.210	0.287
21.232	0.309	21.257	0.323	21.284	0.373	21.306	0.438
21.325	0.491	21.344	0.533	21.372	0.579	21.393	0.625
21.416	0.635	21.441	0.689	21.471	0.771	21.500	0.826
21.516	0.851	21.533	0.832	21.552	0.765	21.572	0.662
21.590	0.571	21.607	0.464	21.624	0.365	21.640	0.290
21.667	0.223	21.695	0.183	21.716	0.130	21.739	0.090
21.765	0.054	21.785	0.021	21.809	-0.047	21.830	-0.119
21.853	-0.184	21.875	-0.250	21.892	-0.303	21.910	-0.332
21.935	-0.363	21.947	-0.388	21.972	-0.438	21.997	-0.507
22.017	-0.581	22.035	-0.651	22.057	-0.709	22.079	-0.788
22.100	-0.854	22.118	-0.860	22.147	-0.844	22.173	-0.759
22.200	-0.673	22.223	-0.599	22.245	-0.533	22.272	-0.423
22.297	-0.352	22.325	-0.264	22.361	-0.164	22.390	-0.084
22.419	-0.012	22.446	0.056	22.478	0.104	22.500	0.142
22.525	0.180	22.553	0.242	22.577	0.343	22.604	0.461
22.628	0.587	22.652	0.668	22.672	0.726	22.687	0.772
22.703	0.785	22.725	0.783	22.741	0.769	22.762	0.720
22.793	0.667	22.818	0.634	22.844	0.604	22.868	0.546
22.893	0.477	22.918	0.423	22.945	0.377	22.966	0.330
22.989	0.268	23.011	0.208	23.036	0.169	23.058	0.125
23.075	0.094	23.095	0.046	23.116	-0.010	23.139	-0.059
23.174	-0.158	23.197	-0.224	23.223	-0.291	23.245	-0.365
23.262	-0.427	23.287	-0.502	23.312	-0.532	23.339	-0.575
23.361	-0.593	23.382	-0.603	23.403	-0.605	23.433	-0.624
23.457	-0.651	23.472	-0.652	23.502	-0.602	23.527	-0.539
23.552	-0.472	23.588	-0.390	23.619	-0.306	23.654	-0.234

23.682	-0.165	23.715	-0.072	23.742	0.012	23.770	0.097
23.796	0.183	23.823	0.264	23.853	0.343	23.876	0.366
23.900	0.393	23.944	0.471	23.978	0.529	24.009	0.614
24.041	0.685	24.073	0.713	24.091	0.681	24.122	0.610
24.147	0.534	24.173	0.454	24.194	0.378	24.214	0.326
24.240	0.270	24.270	0.225	24.297	0.184	24.318	0.135
24.345	0.067	24.368	0.006	24.389	-0.074	24.425	-0.159
24.451	-0.197	24.485	-0.239	24.526	-0.262	24.555	-0.312
24.591	-0.379	24.619	-0.453	24.648	-0.511	24.673	-0.557
24.695	-0.575	24.717	-0.576	24.747	-0.535	24.776	-0.498
24.810	-0.485	24.850	-0.440	24.885	-0.374	24.929	-0.265
24.963	-0.195	24.991	-0.120	25.016	-0.061	25.045	0.034
25.080	0.126	25.109	0.222	25.133	0.274	25.154	0.306
25.185	0.343	25.214	0.399	25.241	0.420	25.269	0.445
25.300	0.525	25.326	0.582	25.342	0.610	25.373	0.607
25.400	0.596	25.426	0.562	25.454	0.515	25.482	0.452
25.503	0.397	25.529	0.329	25.551	0.270	25.579	0.198
25.599	0.130	25.632	0.043	25.670	-0.029	25.693	-0.082
25.723	-0.190	25.744	-0.251	25.772	-0.295	25.795	-0.308
25.819	-0.312	25.855	-0.349	25.887	-0.365	25.907	-0.414
25.931	-0.446	25.956	-0.494	25.983	-0.514	26.011	-0.530
26.030	-0.538	26.053	-0.522	26.072	-0.502	26.099	-0.466
26.126	-0.386	26.150	-0.322	26.178	-0.234	26.208	-0.166
26.234	-0.109	26.267	-0.041	26.296	0.027	26.313	0.071
26.333	0.123	26.355	0.160	26.377	0.221	26.397	0.266
26.421	0.303	26.456	0.325	26.483	0.342	26.517	0.376
26.544	0.405	26.571	0.439	26.595	0.476	26.615	0.481
26.635	0.477	26.683	0.453	26.699	0.417	26.727	0.377
26.750	0.329	26.774	0.292	26.794	0.244	26.819	0.188
26.839	0.132	26.862	0.067	26.888	-0.002	26.911	-0.055
26.934	-0.097	26.957	-0.118	26.979	-0.147	27.003	-0.180
27.025	-0.209	27.050	-0.223	27.077	-0.220	27.098	-0.221
27.124	-0.227	27.156	-0.252	27.193	-0.294	27.221	-0.334
27.247	-0.371	27.283	-0.404	27.311	-0.400	27.343	-0.337
27.370	-0.254	27.399	-0.174	27.426	-0.095	27.452	-0.039
27.478	0.009	27.506	0.037	27.530	0.053	27.561	0.073
27.595	0.105	27.614	0.130	27.641	0.138	27.678	0.142
27.708	0.151	27.737	0.191	27.769	0.220	27.786	0.241
27.810	0.269	27.835	0.302	27.854	0.319	27.886	0.340
27.907	0.340	27.933	0.318	27.952	0.286	27.981	0.196
28.002	0.133	28.025	0.074	28.045	0.054	28.071	0.034
28.101	0.006	28.125	-0.022	28.151	-0.030	28.174	-0.030
28.197	-0.034	28.221	-0.034	28.243	-0.046	28.267	-0.050
28.288	-0.063	28.318	-0.091	28.347	-0.135	28.385	-0.175
28.408	-0.207	28.430	-0.232	28.450	-0.248	28.474	-0.248
28.501	-0.273	28.528	-0.281	28.557	-0.254	28.583	-0.215
28.613	-0.164	28.635	-0.133	28.655	-0.106	28.682	-0.051
28.708	-0.011	28.729	0.008	28.752	-0.004	28.770	-0.016
28.791	-0.025	28.818	-0.045	28.843	-0.057	28.863	-0.058
28.891	-0.026	28.920	-0.001	28.951	0.039	28.978	0.080
29.005	0.112	29.039	0.157	29.071	0.195	29.099	0.232
29.119	0.269	29.146	0.278	29.175	0.264	29.198	0.241
29.222	0.211	29.246	0.168	29.266	0.121	29.289	0.091
29.305	0.080	29.330	0.096	29.366	0.128	29.387	0.144
29.415	0.148	29.441	0.120	29.462	0.085	29.491	0.017
29.521	-0.020	29.552	-0.065	29.578	-0.090	29.604	-0.099

29.629	-0.100	29.659	-0.110	29.686	-0.131	29.707	-0.155
29.736	-0.168	29.768	-0.185	29.789	-0.198	29.816	-0.207
29.847	-0.168	29.882	-0.140	29.925	-0.172	29.947	-0.189
29.973	-0.169	30.011	-0.125	30.055	-0.073	30.094	-0.021
30.117	-0.005	30.139	-0.002	30.169	0.029	30.197	0.060
30.226	0.079	30.263	0.106	30.293	0.143	30.325	0.165
30.346	0.185	30.381	0.183	30.412	0.176	30.434	0.173
30.465	0.190	30.496	0.203	30.519	0.208	30.554	0.177
30.581	0.137	30.610	0.098	30.642	0.066	30.672	0.051
30.706	0.027	30.737	-0.013	30.770	-0.057	30.802	-0.081
30.837	-0.117	30.866	-0.133	30.895	-0.154	30.925	-0.166
30.942	-0.166	30.968	-0.143	30.988	-0.143	31.003	-0.143
31.029	-0.172	31.052	-0.204	31.089	-0.196	31.120	-0.165
31.156	-0.129	31.186	-0.106	31.220	-0.062	31.239	-0.043
31.263	-0.047	31.286	-0.047	31.305	-0.063	31.329	-0.052
31.366	-0.032	31.392	-0.012	31.415	-0.005	31.433	-0.005
31.466	0.007	31.490	0.067	31.511	0.122	31.538	0.198
31.574	0.302	31.590	0.329	31.612	0.353	31.634	0.325
31.664	0.234	31.689	0.122	31.709	0.078	31.738	0.026
31.761	0.006	31.797	-0.006	31.817	0.018	31.825	0.034
31.842	0.050	31.855	0.074	31.865	0.086	31.873	0.086
31.879	0.086	31.897	0.069	31.909	0.073	31.927	0.061
31.955	0.096	31.970	0.120	31.994	0.140	32.008	0.151
32.024	0.135	32.044	0.095	32.063	0.039	32.084	-0.037
32.101	-0.086	32.111	-0.118	32.127	-0.166	32.145	-0.194
32.166	-0.238	32.187	-0.270	32.198	-0.286	32.218	-0.271
32.237	-0.243	32.252	-0.199	32.264	-0.151	32.278	-0.127
32.299	-0.119	32.316	-0.111	32.338	-0.127	32.365	-0.119
32.386	-0.107	32.406	-0.091	32.426	-0.094	32.448	-0.130
32.468	-0.158	32.483	-0.174	32.505	-0.174	32.534	-0.174
32.562	-0.150	32.591	-0.119	32.606	-0.095	32.626	-0.056
32.643	-0.025	32.662	-0.017	32.681	-0.022	32.697	-0.010
32.715	0.013	32.735	0.029	32.762	0.044	32.787	0.076
32.815	0.092	32.843	0.095	32.864	0.107	32.888	0.123
32.919	0.129	32.941	0.129	32.967	0.110	32.988	0.103
33.013	0.128	33.043	0.153	33.068	0.197	33.095	0.237
33.114	0.258	33.139	0.254	33.164	0.242	33.187	0.199
33.212	0.127	33.227	0.079	33.247	0.035	33.268	0.027
33.288	-0.002	33.310	-0.022	33.339	-0.083	33.357	-0.111
33.378	-0.120	33.403	-0.141	33.418	-0.161	33.437	-0.193
33.451	-0.202	33.473	-0.194	33.493	-0.163	33.518	-0.132
33.544	-0.088	33.565	-0.061	33.587	-0.061	33.609	-0.097
33.626	-0.125	33.644	-0.185	33.668	-0.226	33.694	-0.246
33.728	-0.262	33.758	-0.271	33.778	-0.271	33.800	-0.243
33.828	-0.180	33.853	-0.108	33.883	-0.053	33.912	0.003
33.939	0.027	33.971	0.051	33.998	0.107	34.027	0.136
34.055	0.145	34.074	0.117	34.096	0.078	34.115	0.035
34.137	0.032	34.158	0.037	34.176	0.062	34.200	0.102
34.223	0.155	34.251	0.209	34.275	0.238	34.304	0.243
34.340	0.253	34.369	0.242	34.398	0.210	34.425	0.171
34.455	0.107	34.483	0.048	34.514	-0.025	34.542	-0.073
34.571	-0.097	34.606	-0.094	34.637	-0.075	34.673	-0.063
34.707	-0.031	34.733	-0.027	34.764	-0.071	34.793	-0.119
34.821	-0.163	34.855	-0.211	34.886	-0.235	34.917	-0.232
34.950	-0.237	34.984	-0.246	35.011	-0.235	35.036	-0.212
35.060	-0.149	35.086	-0.086	35.114	-0.035	35.136	0.001

35.164	0.004	35.183	-0.012	35.211	-0.043	35.236	-0.059
35.265	-0.066	35.294	-0.038	35.319	-0.013	35.346	0.051
35.377	0.120	35.406	0.184	35.437	0.213	35.466	0.234
35.494	0.250	35.522	0.239	35.557	0.228	35.598	0.228
35.616	0.209	35.648	0.137	35.669	0.077	35.693	0.015
35.725	-0.035	35.751	-0.059	35.777	-0.031	35.811	0.005
35.836	0.013	35.867	0.009	35.902	-0.026	35.927	-0.066
35.949	-0.090	35.974	-0.122	36.001	-0.147	36.032	-0.172
36.068	-0.190	36.097	-0.212	36.126	-0.234	36.160	-0.244
36.192	-0.234	36.213	-0.207	36.239	-0.144	36.263	-0.097
36.283	-0.066	36.307	-0.034	36.333	-0.007	36.352	0.005
36.379	-0.016	36.404	-0.023	36.430	-0.018	36.458	0.006
36.493	0.031	36.527	0.069	36.556	0.094	36.586	0.104
36.601	0.104	36.623	0.122	36.640	0.125	36.672	0.141
36.708	0.157	36.748	0.165	36.781	0.149	36.812	0.104
36.840	0.072	36.875	0.051	36.917	0.039	36.958	0.026
36.992	0.010	37.029	-0.014	37.066	-0.035	37.098	-0.068
37.134	-0.104	37.166	-0.137	37.194	-0.162	37.226	-0.171
37.261	-0.157	37.292	-0.142	37.319	-0.127	37.344	-0.147
37.367	-0.164	37.391	-0.157	37.420	-0.142	37.449	-0.118
37.475	-0.099	37.502	-0.080	37.529	-0.068	37.558	-0.053
37.586	-0.068	37.624	-0.040	37.658	0.004	37.691	0.033
37.727	0.063	37.761	0.092	37.800	0.106	37.829	0.119
37.861	0.113	37.891	0.110	37.924	0.099	37.964	0.104
37.996	0.109	38.025	0.098	38.055	0.075	38.084	0.056
38.117	0.045	38.151	0.038	38.180	0.039	38.206	0.012
38.233	-0.020	38.258	-0.047	38.292	-0.077	38.326	-0.102
38.365	-0.110	38.401	-0.115	38.432	-0.123	38.453	-0.135
38.486	-0.144	38.513	-0.145	38.540	-0.154	38.554	-0.154
38.580	-0.139	38.613	-0.112	38.642	-0.091	38.669	-0.079
38.698	-0.070	38.721	-0.082	38.739	-0.082	38.767	-0.065
38.794	-0.033	38.827	-0.005	38.866	0.012	38.904	0.025
38.941	0.034	38.973	0.051	39.006	0.068	39.053	0.092
39.088	0.124	39.120	0.129	39.164	0.121	39.202	0.117
39.244	0.074	39.273	0.054	39.300	0.054	39.323	0.018
39.353	-0.002	39.390	-0.010	39.426	-0.006	39.452	0.014
39.483	0.030	39.511	0.030	39.545	0.002	39.576	-0.003
39.613	-0.028	39.646	-0.049	39.684	-0.078	39.714	-0.066
39.748	-0.092	39.777	-0.097	39.800	-0.102	39.830	-0.103
39.865	-0.089	39.894	-0.082	39.928	-0.057	39.956	-0.041
39.995	-0.036	40.030	-0.035	40.065	-0.014	40.096	-0.005
40.133	0.009	40.167	0.022	40.206	0.012	40.252	0.016
40.295	0.033	40.319	0.041	40.340	0.042	40.372	0.046
40.399	0.038	40.426	0.014	40.450	-0.002	40.489	0.006
40.519	0.010	40.559	0.010	40.596	0.025	40.631	0.025
40.662	0.021	40.696	0.021	40.722	0.025	40.748	0.021
40.775	0.001	40.804	-0.015	40.839	-0.026	40.872	-0.041
40.906	-0.053	40.944	-0.052	40.979	-0.059	41.014	-0.062
41.044	-0.057	41.072	-0.053	41.111	-0.052	41.148	-0.071
41.188	-0.066	41.220	-0.061	41.250	-0.065	41.275	-0.052
41.313	-0.035	41.348	-0.018	41.375	-0.001	41.396	0.012
41.416	0.021	41.447	0.006	41.483	-0.004	41.521	-0.007
41.559	0.002	41.588	0.022	41.623	0.035	41.658	0.051
41.691	0.050	41.722	0.050	41.757	0.053	41.792	0.049
41.819	0.036	41.847	0.022	41.871	0.014	41.897	0.011
41.920	0.004	41.946	0.005	41.968	0.017	41.994	0.030

42.015	0.035	42.041	0.028	42.070	0.008	42.101	-0.019
42.125	-0.043	42.151	-0.067	42.180	-0.091	42.206	-0.087
42.233	-0.091	42.263	-0.091	42.299	-0.095	42.336	-0.066
42.368	-0.078	42.399	-0.073	42.419	-0.057	42.437	-0.052
42.470	-0.060	42.487	-0.059	42.506	-0.063	42.530	-0.071
42.546	-0.074	42.566	-0.082	42.582	-0.078	42.599	-0.074
42.615	-0.067	42.628	-0.055	42.641	-0.039	42.662	-0.020
42.686	0.006	42.714	0.025	42.739	0.048	42.769	0.047
42.796	0.050	42.826	0.044	42.857	0.031	42.892	0.030
42.926	0.036	42.962	0.031	43.000	0.014	43.035	0.021
43.067	0.011	43.104	0.010	43.145	0.006	43.174	-0.009
43.209	-0.026	43.239	-0.039	43.270	-0.060	43.294	-0.084
43.326	-0.093	43.356	-0.090	43.380	-0.094	43.402	-0.110
43.428	-0.122	43.453	-0.110	43.488	-0.094	43.526	-0.079
43.560	-0.071	43.592	-0.063	43.628	-0.067	43.661	-0.060
43.691	-0.052	43.724	-0.049	43.757	-0.029	43.787	-0.005
43.816	0.023	43.848	0.047	43.875	0.063	43.898	0.059
43.930	0.060	43.957	0.056	43.979	0.056	44.002	0.036
44.029	0.021	44.056	0.009	44.089	0.010	44.114	0.014
44.144	0.022	44.171	0.023	44.202	0.011	44.226	-0.009
44.251	-0.025	44.276	-0.036	44.301	-0.036	44.324	-0.032
44.348	-0.028	44.373	-0.052	44.400	-0.060	44.426	-0.068
44.452	-0.079	44.478	-0.063	44.509	-0.083	44.535	-0.083
44.569	-0.087	44.599	-0.070	44.628	-0.058	44.653	-0.058
44.678	-0.050	44.708	-0.049	44.734	-0.045	44.768	-0.048
44.791	-0.048	44.815	-0.040	44.835	-0.023	44.863	-0.023
44.889	-0.022	44.914	-0.026	44.938	-0.025	44.968	-0.028
44.995	-0.024	45.012	-0.023	45.039	-0.019	45.059	-0.014
45.066	0.006	45.112	0.010	45.141	0.011	45.171	0.011
45.200	0.003	45.225	-0.024	45.247	-0.036	45.270	-0.044
45.289	-0.052	45.310	-0.053	45.334	-0.049	45.362	-0.030
45.392	-0.038	45.420	-0.039	45.449	-0.043	45.477	-0.052
45.504	-0.045	45.535	-0.046	45.564	-0.034	45.598	-0.027
45.624	-0.027	45.652	-0.035	45.680	-0.046	45.702	-0.040
45.731	-0.020	45.757	-0.005	45.786	0.011	45.813	0.023
45.841	0.031	45.867	0.022	45.890	0.014	45.919	0.014
45.948	0.005	45.976	0.013	46.005	0.006	46.034	-0.000
46.061	-0.009	46.091	-0.021	46.122	-0.026	46.149	-0.022
46.175	-0.019	46.200	-0.015	46.227	-0.024	46.253	-0.020
46.282	-0.024	46.314	-0.025	46.336	-0.033	46.358	-0.026
46.381	-0.030	46.403	-0.046	46.441	-0.055	46.472	-0.060
46.506	-0.048	46.528	-0.053	46.561	-0.053	46.594	-0.054
46.617	-0.034	46.650	-0.035	46.678	-0.027	46.709	-0.012
46.743	-0.013	46.781	-0.017	46.804	-0.013	46.837	-0.013
46.870	-0.025	46.897	-0.009	46.923	0.011	46.953	0.023
46.977	0.027	47.005	0.031	47.028	0.019	47.059	0.015
47.085	0.003	47.111	0.011	47.140	0.003	47.171	0.003
47.194	-0.009	47.222	-0.013	47.255	-0.021	47.285	-0.022
47.316	-0.030	47.340	-0.042	47.369	-0.047	47.395	-0.051
47.419	-0.059	47.443	-0.067	47.463	-0.067	47.484	-0.072
47.511	-0.072	47.537	-0.072	47.563	-0.076	47.590	-0.077
47.617	-0.077	47.639	-0.081	47.666	-0.077	47.690	-0.070
47.715	-0.062	47.745	-0.054	47.771	-0.042	47.793	-0.039
47.822	-0.035	47.848	-0.039	47.874	-0.031	47.903	-0.027
47.930	-0.023	47.956	-0.007	47.977	0.013	48.001	0.017
48.031	0.029	48.062	0.041	48.095	0.041	48.118	0.041

48.145	0.049	48.165	0.041	48.192	0.042	48.220	0.038
48.248	0.042	48.274	0.046	48.300	0.046	48.330	0.030
48.358	0.025	48.382	0.013	48.408	0.001	48.434	0.005
48.461	-0.007	48.478	-0.015	48.499	-0.019	48.524	-0.055
48.549	-0.071	48.576	-0.078	48.602	-0.082	48.628	-0.090
48.656	-0.098	48.676	-0.090	48.704	-0.078	48.731	-0.082
48.752	-0.095	48.780	-0.093	48.805	-0.093	48.833	-0.097
48.852	-0.096	48.875	-0.092	48.910	-0.092	48.943	-0.084
48.980	-0.068	49.003	-0.060	49.033	-0.044	49.059	-0.036
49.097	-0.025	49.119	-0.001	49.130	0.007	49.157	0.015
49.185	0.023	49.219	0.031	49.255	0.034	49.289	0.026
49.322	0.026	49.358	0.029	49.385	0.029	49.418	0.021
49.447	0.029	49.479	0.033	49.499	0.021	49.531	0.017
49.565	0.016	49.580	0.012	49.605	0.012	49.632	0.008
49.658	-0.004	49.687	-0.016	49.709	-0.028	49.738	-0.040
49.767	-0.052	49.794	-0.060	49.825	-0.069	49.849	-0.085
49.878	-0.085	49.911	-0.098	49.946	-0.098	49.978	-0.087
50.003	-0.076	50.027	-0.076	50.047	-0.065	50.068	-0.069
50.101	-0.066	50.126	-0.054	50.154	-0.055	50.176	-0.063
50.204	-0.052	50.238	-0.040	50.270	-0.016	50.299	-0.008
50.332	-0.007	50.365	0.005	50.394	0.013	50.423	0.009
50.449	0.021	50.473	0.028	50.509	0.024	50.543	0.016
50.572	0.004	50.598	-0.009	50.626	-0.013	50.650	-0.010
50.672	-0.003	50.698	-0.015	50.720	-0.012	50.746	-0.021
50.766	-0.009	50.784	-0.013	50.803	-0.005	50.821	-0.005
50.845	-0.002	50.865	-0.006	50.881	-0.006	50.901	-0.014
50.922	-0.030	50.942	-0.034	50.966	-0.046	50.991	-0.066
51.008	-0.076	51.032	-0.066	51.053	-0.061	51.076	-0.053
51.098	-0.053	51.123	-0.049	51.150	-0.057	51.176	-0.053
51.200	-0.061	51.224	-0.054	51.243	-0.046	51.266	-0.038
51.293	-0.050	51.322	-0.055	51.355	-0.075	51.385	-0.084
51.423	-0.089	51.451	-0.085	51.483	-0.076	51.509	-0.064
51.539	-0.056	51.572	-0.052	51.597	-0.048	51.627	-0.045
51.656	-0.034	51.687	-0.038	51.716	-0.033	51.746	-0.053
51.776	-0.024	51.799	-0.016	51.826	-0.016	51.851	0.001
51.878	0.013	51.895	0.015	51.910	0.022	51.932	0.010
51.956	0.007	51.982	0.016	52.008	0.008	52.031	0.001
52.056	0.002	52.083	0.006	52.110	0.003	52.140	-0.006
52.179	0.005	52.185	0.001	52.207	-0.002	52.225	-0.022
52.249	-0.033	52.277	-0.036	52.294	-0.048	52.316	-0.043
52.342	-0.046	52.361	-0.045	52.379	-0.045	52.405	-0.047
52.432	-0.046	52.465	-0.045	52.493	-0.055	52.523	-0.054
52.547	-0.061	52.576	-0.064	52.605	-0.068	52.634	-0.071
52.663	-0.070	52.694	-0.069	52.718	-0.064	52.742	-0.048
52.769	-0.040	52.792	-0.040	52.811	-0.036	52.834	-0.035
52.855	-0.028	52.876	-0.025	52.908	-0.017	52.926	-0.014
52.944	-0.010	52.959	-0.007	52.985	-0.002	53.005	0.002
53.025	-0.002	53.041	0.005	53.067	0.004	53.089	0.006
53.105	0.011	53.121	0.012	53.142	0.014	53.148	0.018
53.164	0.019	53.183	0.017	53.199	0.022	53.212	0.015
53.232	0.009	53.253	0.002	53.273	-0.008	53.289	-0.008
53.303	-0.004	53.325	-0.008	53.333	-0.006	53.349	-0.009
53.365	-0.009	53.387	-0.013	53.404	-0.013	53.422	-0.015
53.443	-0.006	53.460	-0.006	53.476	-0.006	53.493	-0.011
53.514	-0.007	53.532	0.001	53.550	0.000	53.568	-0.006
53.586	-0.004	53.601	-0.004	53.620	0.004	53.637	0.006

53.655	0.012	53.678	0.008	53.697	0.012	53.718	0.012
53.734	0.012	53.753	0.016	53.775	0.007	53.794	0.015
53.814	0.011	53.831	0.007	53.853	0.015	53.875	0.010
53.895	0.006	53.915	0.010	53.934	0.002	53.951	-0.006
53.970	-0.013	53.987	-0.017	54.009	-0.009	54.028	-0.017
54.048	-0.017	54.068	-0.009	54.090	-0.008	54.109	-0.004
54.124	0.004	54.141	0.008	54.162	0.008	54.181	0.008
54.195	0.008	54.210	0.000	54.236	-0.004	54.256	-0.004
54.275	-0.004	54.297	-0.008	54.314	-0.016	54.333	-0.024
54.353	-0.020	54.374	-0.020	54.386	-0.020	54.407	-0.016
54.425	-0.004	54.447	-0.000	54.464	0.012	54.481	0.019
54.501	0.023	54.521	0.023	54.542	0.023	54.562	0.019
54.579	0.019	54.599	0.015	54.619	0.022	54.641	0.026
54.663	0.026	54.680	0.029	54.697	0.025	54.715	0.025
54.733	0.036	54.748	0.032	54.768	0.028	54.785	0.023
54.802	0.023	54.824	0.026	54.846	0.017	54.868	0.021
54.886	0.020	54.907	0.016	54.926	0.011	54.947	0.007
54.967	0.006	54.985	-0.002	55.006	-0.015	55.024	-0.011
55.041	-0.016	55.058	-0.004	55.077	-0.001	55.094	-0.001
55.115	0.002	55.135	0.006	55.152	0.010	55.173	0.001
55.191	-0.003	55.213	-0.019	55.230	-0.019	55.248	-0.020
55.264	-0.008	55.284	0.004	55.301	0.015	55.319	0.031
55.335	0.031	55.354	0.027	55.367	0.019	55.386	0.011
55.403	-0.006	55.424	-0.010	55.441	-0.006	55.461	-0.006
55.480	-0.010	55.498	-0.010	55.519	0.005	55.535	0.013
55.552	0.013	55.568	0.021	55.587	0.025	55.606	0.028
55.625	0.024	55.642	0.023	55.663	0.019	55.683	0.014
55.705	0.018	55.724	0.013	55.741	0.005	55.760	-0.011
55.780	-0.008	55.801	-0.000	55.823	-0.005	55.844	-0.002
55.864	0.000	55.886	-0.001	55.906	0.009	55.922	0.008
55.940	0.007	55.961	-0.001	55.983	-0.008	56.000	-0.011
56.021	-0.005	56.039	0.008	56.055	0.006	56.074	0.016
56.089	0.012	56.109	0.017	56.130	0.009	56.153	0.012
56.171	0.015	56.192	0.022	56.214	0.025	56.237	0.033
56.244	0.041	56.264	0.025	56.279	0.021	56.300	0.013
56.321	-0.011	56.342	-0.023	56.360	-0.035	56.383	-0.034
56.401	-0.030	56.423	-0.018	56.443	-0.018	56.462	-0.014
56.483	-0.011	56.504	-0.003	56.524	0.004	56.546	0.012
56.565	0.020	56.580	0.019	56.602	0.023	56.615	0.014
56.636	0.002	56.652	-0.003	56.671	-0.007	56.689	-0.020
56.705	-0.032	56.725	-0.037	56.744	-0.038	56.765	-0.043
56.784	-0.031	56.802	-0.028	56.816	-0.025	56.836	-0.021
56.857	-0.013	56.877	-0.013	56.895	-0.005	56.916	0.015
56.936	0.015	56.952	0.011	56.971	0.007	56.987	0.007
57.002	-0.005	57.023	-0.012	57.042	-0.024	57.062	-0.024
57.079	-0.036	57.098	-0.036	57.115	-0.032	57.136	-0.023
57.158	-0.003	57.180	0.001	57.201	0.021	57.219	0.025
57.241	0.029	57.261	0.034	57.277	0.042	57.293	0.046
57.310	0.046	57.332	0.043	57.353	0.051	57.376	0.039
57.396	0.036	57.415	0.028	57.435	0.029	57.453	0.025
57.467	0.025	57.487	0.026	57.509	0.026	57.531	0.027
57.553	0.019	57.569	0.032	57.592	0.036	57.614	0.041
57.634	0.041	57.655	0.053	57.676	0.046	57.691	0.038
57.708	0.019	57.728	0.003	57.747	-0.009	57.764	-0.009
57.785	-0.009	57.803	-0.013	57.824	-0.018	57.845	-0.018
57.867	-0.026	57.884	-0.014	57.905	-0.014	57.923	-0.014

57.941	-0.015	57.954	-0.011	57.971	-0.011	57.986	-0.007
58.009	0.001	58.026	0.005	58.044	0.018	58.062	0.010
58.078	0.014	58.097	0.022	58.112	0.010	58.131	0.005
58.152	0.003	58.166	-0.001	58.186	-0.001	58.203	0.007
58.216	0.007	58.234	0.015	58.251	0.019	58.268	0.016
58.282	0.016	58.300	0.016	58.316	0.006	58.335	-0.000
58.353	0.000	58.371	0.004	58.388	0.000	58.409	0.008
58.426	0.008	58.442	0.008	58.457	0.004	58.475	0.000
58.490	0.000	58.512	-0.012	58.531	-0.008	58.551	-0.008
58.570	-0.008	58.587	-0.009	58.605	-0.009	58.622	-0.009
58.639	-0.005	58.655	0.003	58.676	0.002	58.692	0.010
58.710	0.010	58.725	0.002	58.744	0.002	58.760	0.001
58.775	0.005	58.790	0.004	58.811	0.016	58.827	0.012
58.843	0.019	58.866	0.023	58.881	0.018	58.896	0.014
58.912	0.018	58.931	0.013	58.952	0.009	58.965	0.001
58.977	0.004	58.995	-0.008	59.014	-0.008	59.031	-0.001
59.053	0.007	59.073	0.006	59.088	0.006	59.109	0.002
59.123	0.005	59.142	0.005	59.161	-0.003	59.179	-0.007
59.197	-0.004	59.216	-0.008	59.235	-0.004	59.252	-0.004
59.270	-0.009	59.288	-0.005	59.308	-0.005	59.327	-0.009
59.343	-0.010	59.362	-0.014	59.381	-0.010	59.397	-0.010
59.411	-0.010	59.430	-0.007	59.450	0.001	59.470	0.001
59.491	0.005	59.506	0.008	59.524	0.012	59.538	0.012
59.555	0.016	59.568	0.012	59.585	0.012	59.603	0.016
59.622	0.023	59.637	0.027	59.654	0.035	59.671	0.035
59.692	0.043	59.704	0.051	59.721	0.043	59.740	0.046
59.754	0.050	59.773	0.054	59.790	0.058	59.809	0.062
59.827	0.066	59.845	0.070	59.861	0.070	59.882	0.066
59.903	0.062	59.923	0.046	59.943	0.042	59.961	0.038
59.976	0.036	59.990	0.038	60.003	0.034	60.016	0.022
60.032	0.022	60.043	0.014	60.063	0.018	60.084	0.014
60.102	0.006	60.119	0.002	60.135	-0.006	60.154	-0.014
60.176	-0.010	60.194	-0.010	60.211	-0.014	60.229	-0.015
60.249	-0.015	60.266	-0.019	60.283	-0.019	60.302	-0.027
60.312	-0.035	60.329	-0.039	60.348	-0.039	60.367	-0.047
60.383	-0.051	60.398	-0.051	60.412	-0.047	60.424	-0.051
60.438	-0.047	60.458	-0.031	60.475	-0.027	60.496	-0.031
60.516	-0.036	60.535	-0.028	60.555	-0.024	60.571	-0.016
60.588	-0.008	60.609	-0.008	60.627	-0.008	60.641	-0.008
60.652	-0.004	60.676	-0.004	60.691	-0.008	60.715	-0.004
60.730	-0.008	60.746	-0.004	60.767	0.000	60.789	0.008
60.813	0.016	60.840	0.020	60.873	0.032	60.909	0.040
60.940	0.048	60.967	0.049	60.993	0.049	61.022	0.049
61.048	0.049	61.077	0.042	61.099	0.042	61.128	0.026
61.156	0.011	61.184	0.011	61.212	0.007	61.236	0.004
61.259	-0.004	61.283	-0.016	61.303	-0.015	61.338	-0.015
61.360	-0.027	61.379	-0.035	61.400	-0.035	61.424	-0.035
61.448	-0.034	61.471	-0.034	61.491	-0.042	61.514	-0.042
61.535	-0.042	61.556	-0.042	61.579	-0.050	61.604	-0.050
61.631	-0.050	61.655	-0.042	61.675	-0.034	61.700	-0.025
61.727	-0.017	61.749	-0.005	61.766	-0.009	61.796	-0.001
61.813	0.003	61.834	0.007	61.852	0.011	61.876	0.015
61.899	0.023	61.918	0.027	61.942	0.031	61.966	0.039
61.986	0.047	62.010	0.048	62.036	0.044	62.058	0.040
62.079	0.044	62.100	0.040	62.123	0.032	62.147	0.033
62.171	0.025	62.199	0.013	62.221	0.006	62.240	-0.002

62.262	-0.006	62.283	-0.005	62.310	-0.009	62.331	-0.013
62.351	-0.006	62.371	-0.008	62.404	-0.007	62.422	-0.007
62.444	-0.006	62.471	0.003	62.495	-0.005	62.521	-0.012
62.553	-0.019	62.575	-0.019	62.598	-0.023	62.620	-0.027
62.640	-0.030	62.667	-0.030	62.700	-0.026	62.721	-0.021
62.751	-0.017	62.777	-0.013	62.798	-0.005	62.823	-0.004
62.850	-0.004	62.872	-0.004	62.901	-0.000	62.919	0.004
62.949	0.011	62.971	0.007	62.992	0.007	63.014	0.007
63.041	0.007	63.073	0.006	63.104	0.010	63.130	0.009
63.159	0.009	63.192	0.009	63.218	0.009	63.244	0.005
63.275	0.006	63.310	0.007	63.339	0.007	63.365	0.004
63.395	0.009	63.418	0.017	63.441	0.022	63.468	0.022
63.491	0.014	63.511	0.010	63.536	-0.002	63.560	-0.009
63.592	-0.009	63.616	-0.009	63.638	-0.009	63.657	-0.006
63.680	-0.006	63.701	-0.002	63.723	0.001	63.747	-0.003
63.768	0.001	63.791	0.000	63.813	0.004	63.835	0.004
63.887	-0.016	63.939	-0.008	63.975	-0.004	63.994	0.008
64.034	0.008	64.069	0.016	64.098	0.008	64.130	0.008
64.172	0.012	64.214	0.008	64.252	0.008	64.308	0.008
64.376	-0.004	64.414	-0.004	64.471	-0.012	64.522	-0.008
64.579	-0.004	64.625	-0.004	64.673	0.004	64.722	0.008
64.776	0.019	64.820	0.014	64.876	0.004	64.921	0.010
64.960	0.008	64.997	0.006	65.030	0.005	65.061	0.004
65.102	0.007	65.132	0.007	65.164	0.019	65.201	0.011
65.249	0.011	65.286	0.012	65.322	0.008	65.379	0.008
65.424	-0.004	65.480	0.000	65.523	-0.004	65.575	-0.012
65.626	-0.020	65.673	-0.004	65.727	-0.008	65.779	0.004
65.827	0.003	65.874	0.011	65.919	-0.005	65.952	-0.013
65.997	-0.009	66.044	-0.010	66.068	-0.022	66.113	-0.014
66.159	-0.009	66.208	-0.001	66.265	-0.000	66.316	0.013
66.349	0.013	66.385	0.014	66.432	0.015	66.469	0.019
66.533	0.036	66.574	0.048	66.623	0.032	66.672	0.024
66.718	0.032	66.768	0.016	66.853	0.004	66.908	-0.008
66.956	-0.024	66.999	-0.040	67.051	-0.048	67.102	-0.056
67.150	-0.040	67.193	-0.044	67.251	-0.036	67.308	-0.036
67.333	-0.012	67.376	-0.008	67.405	0.008	67.438	0.024
67.462	0.024	67.513	0.032	67.539	0.048	67.573	0.060
67.622	0.055	67.679	0.062	67.725	0.046	67.766	0.037
67.808	0.040	67.844	0.035	67.885	0.031	67.922	0.038
67.961	0.002	68.019	-0.007	68.059	-0.023	68.093	-0.040
68.131	-0.029	68.172	-0.042	68.211	-0.042	68.257	-0.032
68.293	-0.021	68.348	-0.026	68.391	-0.035	68.435	-0.019
68.480	-0.008	68.523	0.012	68.575	0.008	68.624	0.004
68.655	0.024	68.690	0.040	68.713	0.032	68.743	0.032
68.769	0.024	68.848	0.024	68.884	0.027	68.930	0.022
68.986	0.009	69.029	0.012	69.077	0.006	69.118	-0.007
69.169	-0.012	69.225	-0.012	69.280	-0.013	69.327	-0.005
69.374	-0.004	69.443	0.000	69.499	0.000	69.549	0.012
69.596	0.024	69.654	0.032	69.706	0.020	69.753	0.008
69.796	0.016	69.867	0.004	69.919	0.012	69.960	0.016
69.986	0.004	70.024	0.000	70.071	0.004	70.128	0.005
70.181	0.002	70.214	0.011	70.260	0.020	70.320	0.017
70.358	0.014	70.391	-0.002	70.442	-0.014	70.483	-0.014
70.524	-0.010	70.583	-0.013	70.637	-0.005	70.704	0.003
70.763	-0.012	70.800	0.004	70.854	0.012	70.897	0.012
70.961	0.016	71.003	0.016	71.052	0.020	71.091	0.044

71.119	0.028	71.180	0.024	71.231	0.024	71.280	0.024
71.329	0.008	71.371	-0.012	71.430	0.000	71.490	-0.012
71.553	-0.016	71.606	-0.021	71.646	-0.021	71.689	-0.022
71.755	-0.012	71.794	-0.000	71.845	0.011	71.901	-0.002
71.949	0.014	71.996	0.005	72.044	0.005	72.089	-0.008
72.147	-0.004	72.191	0.003	72.234	0.003	72.271	0.023
72.309	0.023	72.346	0.015	72.385	-0.001	72.441	-0.025
72.475	-0.009	72.515	-0.008	72.541	-0.008	72.576	-0.000
72.603	0.008	72.641	-0.004	72.716	-0.020	72.760	-0.032
72.787	-0.044	72.817	-0.020	72.848	-0.016	72.866	-0.024
72.892	-0.024	72.924	0.000	72.954	0.020	72.984	0.004
73.013	0.012	73.043	0.024	73.071	0.008	73.106	-0.008
73.143	0.008	73.193	0.020	73.234	0.024	73.291	0.020
73.340	0.020	73.378	-0.008	73.413	-0.008	73.435	0.016
73.464	0.016	73.501	-0.004	73.540	0.004	73.577	-0.012
73.610	-0.016	73.644	0.012	73.687	-0.003	73.730	-0.026
73.793	-0.025	73.841	-0.028	73.901	-0.010	73.942	0.015
73.989	0.032	74.041	0.041	74.104	0.038	74.163	0.020
74.240	0.012	74.299	0.012	74.357	0.021	74.416	0.009
74.451	-0.004	74.469	-0.003	74.487	-0.006	74.508	-0.012
74.524	-0.015	74.545	-0.014	74.572	-0.004	74.592	0.005
74.610	0.002	74.628	-0.009	74.651	-0.016	74.665	-0.015
74.684	-0.011	74.708	-0.019	74.726	-0.027	74.752	-0.039
74.770	-0.039	74.796	-0.039	74.813	-0.051	74.828	-0.047
74.845	-0.023	74.866	-0.023	74.885	-0.015	74.908	0.004
74.921	0.028	74.940	0.019	74.958	0.011	74.969	0.006
74.989	0.014	75.008	0.021	75.028	0.024	75.046	0.024
75.063	0.019	75.083	0.011	75.101	0.018	75.115	0.034
75.135	0.057	75.155	0.069	75.175	0.064	75.192	0.060
75.212	0.059	75.225	0.059	75.249	0.050	75.269	0.041
75.290	0.037	75.308	0.036	75.343	0.035	75.361	0.035
75.380	0.031	75.398	0.030	75.416	0.014	75.436	0.014
75.457	0.017	75.477	0.021	75.495	0.021	75.516	0.013
75.542	0.000	75.559	-0.008	75.578	-0.012	75.603	-0.021
75.628	-0.021	75.647	-0.021	75.672	-0.025	75.696	-0.030
75.716	-0.030	75.733	-0.038	75.751	-0.050	75.776	-0.050
75.796	-0.050	75.823	-0.038	75.843	-0.031	75.861	-0.023
75.891	-0.007	75.924	-0.012	75.951	-0.016	75.967	-0.024
75.985	-0.024	76.017	-0.021	76.034	-0.001	76.063	0.011
76.091	0.010	76.116	0.010	76.154	0.038	76.184	0.053
76.214	0.061	76.239	0.061	76.261	0.049	76.295	0.045
76.327	0.041	76.350	0.037	76.380	0.029	76.402	0.037
76.422	0.037	76.446	0.029	76.465	0.020	76.484	0.012
76.502	0.004	76.537	-0.004	76.555	-0.008	76.577	-0.016
76.595	-0.020	76.616	-0.024	76.644	-0.024	76.666	-0.021
76.686	-0.009	76.701	-0.010	76.717	-0.010	76.730	-0.022
76.748	-0.027	76.772	-0.039	76.792	-0.031	76.811	-0.032
76.839	-0.020	76.866	-0.005	76.887	-0.001	76.905	-0.001
76.924	-0.001	76.943	-0.001	76.963	-0.010	76.982	-0.010
76.999	-0.010	77.028	-0.006	77.048	0.002	77.067	-0.002
77.083	-0.011	77.104	-0.011	77.124	-0.011	77.136	-0.003
77.157	0.009	77.178	0.013	77.201	0.018	77.224	0.018
77.242	0.018	77.262	0.034	77.281	0.034	77.303	0.034
77.322	0.030	77.343	0.027	77.362	0.023	77.379	0.019
77.405	0.007	77.433	-0.001	77.459	-0.001	77.481	-0.001
77.510	0.003	77.535	0.004	77.551	0.004	77.578	0.004

77.606	0.004	77.627	0.004	77.645	0.004	77.663	0.004
77.683	0.012	77.701	0.020	77.721	0.028	77.738	0.020
77.768	0.012	77.786	0.004	77.807	-0.008	77.827	-0.016
77.846	-0.026	77.866	-0.032	77.888	-0.032	77.910	-0.028
77.928	-0.025	77.952	-0.017	77.974	-0.017	78.001	-0.013
78.021	-0.009	78.047	-0.005	78.063	-0.002	78.088	0.010
78.107	0.018	78.127	0.022	78.147	0.013	78.168	0.013
78.189	0.005	78.207	-0.003	78.230	-0.012	78.252	-0.012
78.280	-0.005	78.302	0.003	78.330	0.011	78.356	0.018
78.377	0.010	78.406	0.010	78.432	0.013	78.464	0.017
78.490	0.025	78.512	0.025	78.533	0.021	78.554	0.016
78.575	0.012	78.596	0.012	78.621	0.008	78.643	0.012
78.662	0.016	78.682	0.016	78.712	0.016	78.742	0.016
78.762	0.020	78.783	0.016	78.809	0.012	78.833	0.004
78.856	-0.004	78.877	-0.004	78.900	-0.004	78.923	-0.016
78.944	-0.020	78.976	-0.032	78.999	-0.032	79.020	-0.032
79.044	-0.024	79.078	-0.012	79.104	-0.008	79.129	-0.004
79.149	-0.004	79.180	-0.004	79.202	-0.008	79.235	-0.012
79.258	-0.008	79.308	-0.004	79.343	0.000	79.378	0.000
79.408	0.012	79.446	0.012	79.468	0.024	79.495	0.040
79.525	0.044	79.543	0.040	79.565	0.032	79.583	0.028
79.611	0.012	79.634	0.012	79.661	0.012	79.689	0.020
79.710	0.020	79.732	0.020	79.752	0.024	79.769	0.024
79.794	0.024	79.813	0.020	79.830	0.024	79.850	0.020
79.875	0.020	79.905	0.016	79.936	0.012	79.969	-0.000
79.997	-0.001	80.031	-0.009	80.064	-0.021	80.088	-0.021
80.132	-0.009	80.161	-0.005	80.191	-0.010	80.222	-0.018
80.242	-0.018	80.278	-0.010	80.307	-0.011	80.325	-0.011
80.349	-0.011	80.375	-0.019	80.393	-0.023	80.414	-0.023
80.437	-0.015	80.459	-0.007	80.482	0.004	80.505	0.008
80.528	0.008	80.555	0.012	80.579	0.020	80.605	0.020
80.635	0.024	80.661	0.024	80.691	0.032	80.714	0.032
80.735	0.033	80.758	0.033	80.774	0.033	80.789	0.033
80.805	0.037	80.827	0.041	80.846	0.041	80.864	0.041
80.881	0.037	80.905	0.029	80.924	0.025	80.946	0.013
80.975	0.006	81.003	0.006	81.034	-0.002	81.065	-0.002
81.100	-0.010	81.115	-0.010	81.132	-0.018	81.157	-0.022
81.180	-0.026	81.211	-0.034	81.233	-0.034	81.260	-0.035
81.282	-0.035	81.298	-0.035	81.318	-0.035	81.334	-0.035
81.354	-0.031	81.373	-0.031	81.399	-0.031	81.421	-0.031
81.454	-0.015	81.483	-0.012	81.509	-0.012	81.534	-0.008
81.559	0.000	81.579	0.000	81.606	0.008	81.632	0.016
81.652	0.020	81.673	0.024	81.694	0.028	81.715	0.032
81.741	0.032	81.761	0.032	81.785	0.036	81.805	0.036
81.825	0.036	81.849	0.032	81.876	0.028	81.899	0.028
81.928	0.028	81.959	0.027	81.978	0.027	81.993	0.027
82.008	0.027	82.022	0.027	82.037	0.027	82.055	0.027
82.070	0.027	82.089	0.023	82.113	0.018	82.144	0.010
82.178	-0.003	82.202	-0.003	82.222	-0.004	82.248	-0.008
82.293	-0.009	82.319	-0.009	82.342	-0.018	82.369	-0.030
82.387	-0.031	82.410	-0.027	82.434	-0.028	82.460	-0.021
82.488	-0.017	82.509	-0.014	82.530	-0.018	82.553	-0.023
82.580	-0.012	82.612	-0.004	82.644	0.004	82.668	0.004
82.689	0.008	82.711	0.008	82.729	0.004	82.756	0.004
82.776	0.004	82.798	0.008	82.821	0.016	82.844	0.016
82.867	0.012	82.895	0.013	82.919	0.005	82.962	0.009

82.990	0.002	83.015	0.006	83.036	0.006	83.057	0.014
83.077	0.011	83.101	0.015	83.133	0.003	83.150	-0.001
83.171	-0.004	83.194	-0.004	83.219	-0.004	83.248	0.004
83.276	0.008	83.294	0.012	83.319	0.009	83.349	-0.003
83.382	-0.011	83.407	-0.014	83.425	-0.014	83.447	-0.014
83.466	-0.013	83.483	-0.017	83.508	-0.016	83.533	-0.020
83.555	-0.016	83.580	-0.015	83.612	-0.019	83.640	-0.014
83.660	-0.013	83.683	-0.009	83.708	-0.008	83.733	-0.004
83.755	-0.003	83.779	-0.011	83.809	-0.018	83.837	-0.009
83.864	0.003	83.895	0.003	83.926	-0.000	83.957	0.000
83.978	0.005	84.000	0.005	84.024	0.006	84.051	0.018
84.074	0.031	84.102	0.019	84.124	0.012	84.146	0.005
84.171	0.009	84.196	0.006	84.214	0.007	84.241	0.015
84.267	0.019	84.295	0.015	84.322	0.008	84.345	0.016
84.372	0.012	84.400	0.008	84.422	0.001	84.444	0.001
84.469	0.001	84.489	0.001	84.511	0.002	84.535	0.002
84.558	-0.006	84.598	-0.013	84.645	-0.010	84.698	-0.002
84.725	0.001	84.751	0.009	84.775	-0.004	84.802	-0.008
84.824	-0.003	84.842	0.005	84.865	0.005	84.885	0.010
84.903	0.026	84.925	0.026	84.949	0.019	84.965	0.015
84.984	0.007	85.003	0.012	85.022	0.020	85.048	0.025
85.067	0.033	85.095	0.033	85.112	0.042	85.130	0.038
85.152	0.035	85.170	0.035	85.187	0.035	85.203	0.023
85.220	0.027	85.240	0.023	85.253	0.027	85.272	0.030
85.293	0.030	85.313	0.034	85.327	0.030	85.348	0.022
85.361	0.014	85.375	0.018	85.397	0.006	85.412	0.006
85.428	0.006	85.443	0.006	85.459	0.009	85.476	0.013
85.506	0.013	85.540	0.009	85.574	-0.003	85.602	-0.008
85.625	-0.008	85.652	-0.012	85.677	0.004	85.709	0.004
85.741	0.016	85.775	0.020	85.799	0.020	85.825	0.016
85.855	0.016	85.877	0.019	85.900	0.027	85.932	0.034
85.957	0.045	85.978	0.045	86.003	0.044	86.024	0.044
86.043	0.039	86.065	0.043	86.092	0.046	86.116	0.045
86.139	0.041	86.165	0.040	86.189	0.039	86.209	0.039
86.234	0.039	86.263	0.039	86.288	0.042	86.316	0.042
86.342	0.034	86.369	0.038	86.394	0.030	86.419	0.022
86.446	0.018	86.471	0.014	86.498	0.010	86.527	0.009
86.552	0.017	86.583	0.009	86.605	0.009	86.634	0.013
86.658	0.009	86.679	0.005	86.703	0.008	86.732	0.012
86.756	0.008	86.779	0.008	86.805	0.008	86.829	-0.001
86.855	0.003	86.881	0.003	86.907	0.007	86.932	0.011
86.959	0.015	86.988	0.022	87.009	0.014	87.035	0.014
87.063	0.014	87.093	0.014	87.121	0.013	87.150	0.009
87.178	0.021	87.206	0.017	87.237	0.020	87.270	0.028
87.297	0.035	87.324	0.035	87.348	0.039	87.375	0.030
87.402	0.034	87.435	0.029	87.468	0.017	87.499	0.021
87.534	0.021	87.563	0.017	87.593	0.021	87.625	0.026
87.656	0.022	87.688	0.018	87.718	0.018	87.752	0.010
87.783	0.010	87.817	0.006	87.856	0.002	87.895	-0.002
87.917	0.003	87.951	0.003	87.979	0.011	88.012	0.019
88.049	0.027	88.074	0.026	88.102	0.014	88.133	0.018
88.158	0.014	88.186	0.013	88.213	0.009	88.239	0.021
88.271	0.021	88.295	0.025	88.329	0.033	88.353	0.029
88.376	0.025	88.400	0.033	88.422	0.033	88.441	0.037
88.465	0.033	88.483	0.021	88.511	0.021	88.538	0.021
88.563	0.021	88.588	0.013	88.615	0.009	88.633	0.018

88.653	0.014	88.672	0.014	88.696	0.010	88.714	-0.002
88.744	-0.002	88.778	0.002	88.806	0.010	88.829	0.026
88.857	0.049	88.884	0.049	88.901	0.029	88.924	0.025
88.953	0.017	88.977	0.013	89.006	0.013	89.030	0.013
89.063	0.009	89.096	0.012	89.121	0.016	89.146	0.019
89.173	0.039	89.199	0.050	89.220	0.046	89.241	0.050
89.262	0.049	89.282	0.049	89.299	0.037	89.318	0.016
89.334	-0.000	89.353	0.003	89.378	0.003	89.402	0.010
89.428	0.018	89.453	0.025	89.481	0.032	89.506	0.032
89.527	0.031	89.554	0.031	89.579	0.038	89.606	0.042
89.618	0.038	89.638	0.018	89.664	0.005	89.685	0.005
89.712	0.004	89.735	0.004	89.755	-0.000	89.782	0.007
89.811	0.011	89.840	0.015	89.862	0.034	89.887	0.054
89.906	0.062	89.921	0.058	89.942	0.038	89.959	0.026
89.982	0.026	90.006	0.017	90.029	0.017	90.053	0.025
90.082	0.033	90.105	0.025	90.128	0.013	90.151	0.016
90.176	0.016	90.200	0.020	90.224	0.032	90.247	0.028
90.269	0.035	90.295	0.031	90.323	0.031	90.347	0.031
90.365	0.019	90.382	0.015	90.403	-0.001	90.428	0.002
90.454	0.010	90.489	0.014	90.521	0.017	90.549	0.029
90.572	0.041	90.596	0.037	90.614	0.021	90.633	0.025
90.665	0.029	90.696	0.032	90.732	0.024	90.768	0.032
90.806	0.028	90.845	0.028	90.883	0.032	90.910	0.036
90.934	0.032	90.960	0.032	90.989	0.025	91.013	0.013
91.051	0.017	91.093	0.005	91.125	0.005	91.160	-0.002
91.190	-0.002	91.230	-0.016	91.261	-0.002	91.290	-0.005
91.326	-0.009	91.361	-0.005	91.385	-0.009	91.410	-0.012
91.435	-0.020	91.460	-0.008	91.475	0.004	91.503	0.008
91.529	0.016	91.553	0.001	91.579	0.013	91.602	0.005
91.626	0.009	91.647	0.021	91.667	0.026	91.691	0.038
91.713	0.038	91.739	0.038	91.771	0.026	91.792	0.019
91.816	0.019	91.836	0.023	91.858	0.015	91.878	0.035
91.911	0.035	91.950	0.043	91.989	0.035	92.017	0.028
92.048	0.028	92.075	0.024	92.098	0.028	92.131	0.028
92.157	0.024	92.182	0.028	92.218	0.012	92.253	0.009
92.290	0.021	92.332	0.025	92.359	0.025	92.389	0.005
92.418	0.001	92.453	-0.003	92.487	-0.010	92.524	0.002
92.565	0.006	92.604	0.010	92.654	-0.002	92.685	0.013
92.727	0.009	92.755	0.013	92.793	0.032	92.825	0.032
92.856	0.020	92.888	0.023	92.913	0.035	92.948	0.031
92.992	0.034	93.028	0.025	93.074	0.025	93.121	0.024
93.154	0.024	93.195	0.019	93.226	0.027	93.253	0.019
93.261	0.002	93.307	0.002	93.342	0.002	93.373	0.005
93.417	0.009	93.455	-0.003	93.491	0.009	93.530	0.005
93.580	0.000	93.639	0.004	93.686	0.016	93.733	0.012
93.772	0.028	93.821	0.025	93.867	0.037	93.917	0.037
93.971	0.045	94.000	0.038	94.043	0.046	94.087	0.050
94.117	0.035	94.134	0.051	94.165	0.039	94.198	0.043
94.223	0.035	94.249	0.031	94.277	0.023	94.310	0.015
94.343	0.015	94.380	0.015	94.420	0.011	94.461	0.007
94.491	-0.001	94.525	0.002	94.560	-0.002	94.606	-0.002
94.632	-0.010	94.658	-0.001	94.705	-0.008	94.722	-0.008
94.748	0.001	94.778	-0.003	94.813	-0.002	94.842	-0.001
94.868	0.003	94.906	0.017	94.943	0.019	94.970	0.025
95.009	0.023	95.030	0.028	95.063	0.034	95.096	0.043
95.120	0.048	95.156	0.038	95.180	0.035	95.205	0.036

95.227	0.029	95.256	0.022	95.285	0.019	95.312	0.012
95.343	0.012	95.373	0.012	95.394	0.020	95.430	0.012
95.457	0.016	95.479	0.020	95.493	0.008	95.493	0.008
95.529	-0.005	95.555	-0.027	95.586	-0.036	95.612	-0.031
95.647	-0.044	95.682	-0.053	95.713	-0.045	95.742	-0.029
95.767	-0.003	95.795	-0.014	95.821	-0.013	95.840	-0.005
95.870	0.005	95.896	0.007	95.931	0.004	95.964	0.008
95.973	-0.000	95.999	-0.008	96.031	-0.000	96.066	0.017
96.091	0.018	96.117	0.036	96.151	0.024	96.170	0.036
96.196	0.029	96.220	0.023	96.242	0.022	96.266	0.010
96.282	0.002	96.301	-0.006	96.316	0.006	96.338	-0.006
96.356	0.001	96.370	0.003	96.388	-0.000	96.401	0.003
96.420	0.015	96.442	0.014	96.461	0.001	96.475	0.005
96.457	0.000	96.514	-0.008	96.545	-0.003	96.564	-0.014
96.591	-0.013	96.621	-0.003	96.656	-0.005	96.688	-0.003
96.717	-0.015	96.718	-0.015	96.782	0.017	96.824	0.018
96.877	0.034	96.878	0.034	96.931	0.007	96.931	0.007
96.985	0.000	97.042	0.009	97.107	0.022	97.156	0.027
97.231	0.024	97.305	0.018	97.369	0.007	97.406	-0.011
97.454	-0.006	97.497	-0.028	97.547	-0.001	97.597	-0.012
97.658	-0.018	97.684	-0.017	97.724	-0.020	97.766	-0.024
97.818	-0.017	97.851	-0.017	97.890	-0.002	97.945	0.007
97.979	0.004	98.016	0.006	98.048	0.011	98.091	0.017
98.116	0.025	98.153	0.014	98.191	0.014	98.239	0.021
98.271	0.016	98.327	0.031	98.383	0.003	98.412	-0.009
98.453	-0.012	98.484	-0.015	98.515	-0.018	98.551	-0.012
98.564	-0.025	98.603	-0.016	98.643	-0.024	98.680	0.003
98.726	0.004	98.759	0.006	98.781	-0.002	98.806	-0.004
98.840	0.014	98.872	0.012	98.917	0.017	98.963	0.026
98.990	0.038	99.037	0.020	99.085	0.030	99.137	0.026
99.182	0.020	99.231	0.024	99.272	0.022	99.315	0.027
99.375	0.019	99.427	0.006	99.477	0.000	99.540	-0.002
99.611	-0.009	99.674	-0.016	99.714	-0.022	99.754	-0.011
99.792	-0.016	99.844	-0.015	99.902	-0.009	99.960	0.011
100.017	0.018	100.061	0.024	100.170	0.033	100.263	0.017
100.361	0.005	100.446	-0.003	100.561	-0.024	100.639	-0.026
100.735	-0.003	100.767	0.005	100.818	-0.001	100.854	0.005
100.897	-0.002	100.933	0.023	100.974	0.035	100.975	0.035
101.017	0.011	101.050	0.023	101.100	0.035	101.134	0.033
101.164	0.044	101.210	0.036	101.227	0.040	101.263	0.032
101.300	0.044	101.324	0.035	101.356	0.031	101.387	0.043
101.408	0.028	101.429	0.015	101.465	0.006	101.514	-0.004
101.558	-0.014	101.597	-0.003	101.628	-0.001	101.661	-0.008
101.699	0.004	101.733	0.005	101.761	0.003	101.788	0.000
101.810	0.004	101.823	0.011	101.843	0.015	101.861	0.018
101.870	0.010						

IG111
71.031 2/9/71 0600 PST J.P.L., PASADENA, 9TH FLOOR S08W

4770 POINTS 101.893 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2270 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.079	0.015	0.122	0.026	0.142	0.039	0.035
0.053	-0.089	0.073	-0.049	0.089	-0.065	0.106	-0.081
0.130	-0.113	0.143	-0.065	0.152	0.055	0.162	0.158
0.176	0.198	0.198	0.170	0.220	0.142	0.237	-0.001
0.253	-0.129	0.276	-0.089	0.296	-0.045	0.313	0.126
0.328	0.346	0.339	0.429	0.354	0.469	0.377	0.306
0.393	0.103	0.406	-0.073	0.418	-0.224	0.439	-0.212
0.460	-0.251	0.493	-0.135	0.510	-0.067	0.531	0.204
0.546	0.399	0.561	0.451	0.580	0.198	0.601	-0.066
0.622	-0.271	0.649	-0.194	0.664	-0.208	0.698	-0.102
0.713	0.138	0.728	0.314	0.741	0.347	0.762	0.228
0.775	0.029	0.793	-0.245	0.804	-0.237	0.822	-0.325
0.847	-0.190	0.863	-0.031	0.876	-0.014	0.884	-0.030
0.903	0.115	0.914	0.200	0.927	0.229	0.946	0.135
0.970	-0.051	0.989	-0.018	1.015	-0.129	1.029	-0.117
1.048	0.023	1.073	0.138	1.096	0.154	1.116	0.206
1.131	0.051	1.145	-0.077	1.161	-0.117	1.185	-0.112
1.206	-0.012	1.229	0.116	1.252	0.053	1.266	0.189
1.287	0.301	1.306	0.190	1.323	0.063	1.337	-0.032
1.357	-0.091	1.370	-0.098	1.395	-0.018	1.416	0.039
1.437	0.178	1.452	0.043	1.461	-0.049	1.485	-0.013
1.517	0.158	1.550	0.149	1.577	0.220	1.598	0.112
1.614	0.008	1.621	-0.044	1.650	-0.048	1.670	-0.256
1.690	-0.475	1.703	-0.599	1.718	-0.710	1.736	-0.495
1.752	-0.308	1.768	-0.073	1.785	0.063	1.807	0.015
1.823	-0.013	1.861	0.094	1.891	0.114	1.914	0.189
1.935	0.129	1.961	0.177	1.988	0.102	1.996	-0.126
2.013	-0.321	2.035	-0.416	2.058	-0.468	2.082	-0.229
2.096	0.106	2.109	0.565	2.118	0.847	2.129	1.015
2.145	1.122	2.158	1.193	2.175	0.946	2.193	0.667
2.211	0.488	2.231	0.361	2.249	0.400	2.269	0.226
2.277	0.148	2.288	0.139	2.304	-0.140	2.314	-0.444
2.325	-0.747	2.342	-1.031	2.363	-0.578	2.383	-0.112
2.393	0.115	2.401	0.342	2.419	0.577	2.431	0.477
2.440	0.393	2.462	0.449	2.485	0.671	2.511	-0.488
2.520	-0.664	2.533	-0.976	2.542	-1.169	2.551	-1.162
2.565	-1.091	2.583	-0.777	2.600	-0.346	2.609	-0.119
2.622	-0.018	2.645	-0.097	2.674	-0.029	2.693	-0.240
2.704	-0.316	2.716	-0.372	2.728	-0.524	2.740	-0.616
2.751	-0.518	2.762	-0.400	2.768	-0.369	2.784	-0.563

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
2.801	-0.756	2.821	-0.491	2.840	-0.170	2.849	-0.147
2.860	-0.168	2.880	-0.055	2.902	-0.009	2.928	0.253
2.946	0.521	2.959	0.705	2.972	1.021	2.981	1.178
2.992	1.230	3.010	1.121	3.027	0.796	3.043	0.325
3.063	-0.054	3.084	-0.412	3.110	-0.141	3.126	0.046
3.153	0.131	3.166	0.293	3.183	0.366	3.199	0.710
3.217	1.074	3.245	1.130	3.259	0.955	3.273	0.459
3.288	0.122	3.299	-0.048	3.319	0.209	3.332	0.484
3.343	0.608	3.351	0.704	3.363	0.752	3.383	0.652
3.397	0.648	3.414	0.497	3.435	0.545	3.460	0.227
3.474	0.029	3.487	-0.241	3.500	-0.471	3.512	-0.754
3.528	-0.942	3.560	-0.524	3.570	-0.335	3.588	-0.093
3.608	0.033	3.626	-0.173	3.634	-0.404	3.645	-0.667
3.651	-0.974	3.659	-1.163	3.670	-1.268	3.687	-1.033
3.701	-0.802	3.717	-0.478	3.729	-0.285	3.745	-0.246
3.761	-0.266	3.778	-0.384	3.791	-0.409	3.810	-0.772
3.828	-1.021	3.847	-0.997	3.864	-1.267	3.878	-1.434
3.890	-1.441	3.909	-1.145	3.921	-0.849	3.932	-0.612
3.945	-0.392	3.964	-0.141	3.981	0.118	3.993	0.275
4.006	0.292	4.018	0.264	4.039	0.366	4.053	0.389
4.075	0.573	4.101	0.426	4.118	0.231	4.133	0.176
4.157	0.475	4.175	0.701	4.187	0.903	4.193	1.038
4.209	1.172	4.230	1.401	4.242	1.439	4.258	1.369
4.276	1.396	4.291	1.300	4.313	1.270	4.330	1.295
4.352	1.080	4.369	0.830	4.383	0.561	4.393	0.283
4.408	0.126	4.431	0.442	4.445	0.802	4.459	1.143
4.476	1.435	4.484	1.555	4.498	1.616	4.509	1.516
4.528	1.396	4.547	1.261	4.558	1.117	4.572	0.778
4.583	0.403	4.599	0.131	4.611	-0.155	4.621	-0.551
4.630	-0.915	4.638	-1.124	4.649	-1.305	4.666	-1.267
4.677	-1.266	4.695	-0.885	4.710	-0.600	4.719	-0.548
4.726	-0.600	4.749	-1.046	4.766	-1.340	4.787	-1.400
4.799	-1.445	4.823	-1.039	4.832	-0.833	4.853	-0.526
4.869	-0.483	4.884	-0.475	4.902	-0.368	4.919	-0.473
4.930	-0.524	4.943	-0.746	4.963	-1.024	4.987	-1.126
5.002	-1.352	5.016	-1.498	5.034	-1.316	5.054	-0.815
5.074	-0.383	5.096	-0.311	5.119	-0.622	5.148	-0.876
5.166	-0.845	5.181	-0.783	5.204	-0.148	5.220	0.187
5.234	0.333	5.255	0.401	5.269	0.518	5.286	0.763
5.307	0.996	5.327	0.745	5.337	0.579	5.359	0.394

5.371	0.029	5.378	-0.397	5.388	-0.814	5.397	-1.117
5.403	-1.288	5.410	-1.424	5.427	-1.324	5.439	-1.264
5.462	-0.830	5.479	-0.352	5.495	-0.077	5.510	0.327
5.521	0.791	5.534	1.160	5.545	1.260	5.557	1.467
5.565	1.634	5.580	1.685	5.597	1.865	5.617	1.908
5.636	1.564	5.650	1.269	5.662	1.024	5.676	0.894
5.691	1.024	5.707	1.170	5.717	1.141	5.737	0.981
5.753	0.768	5.767	0.720	5.787	0.487	5.800	0.473
5.825	0.134	5.844	-0.251	5.861	-0.520	5.872	-0.539
5.888	-0.435	5.913	-0.046	5.927	0.394	5.941	1.066
5.953	1.490	5.966	1.886	5.979	2.077	5.995	2.169
6.010	1.978	6.023	1.680	6.041	1.237	6.056	0.841
6.067	0.580	6.081	0.320	6.093	0.079	6.105	-0.225
6.114	-0.366	6.134	-0.373	6.149	-0.589	6.157	-0.667
6.167	-0.706	6.185	-0.912	6.210	-0.717	6.228	-0.632
6.237	-0.629	6.274	-0.077	6.289	0.259	6.304	0.297
6.319	0.034	6.334	-0.495	6.346	-0.722	6.361	-0.834
6.372	-0.916	6.390	-0.688	6.403	-0.647	6.419	-0.259
6.430	0.009	6.451	0.114	6.468	0.169	6.485	0.070
6.495	-0.084	6.514	-0.575	6.527	-1.002	6.545	-1.429
6.554	-1.673	6.571	-1.884	6.589	-1.825	6.613	-1.974
6.629	-1.863	6.638	-1.735	6.654	-1.368	6.660	-0.792
6.693	-0.427	6.706	-0.189	6.720	-0.016	6.744	0.216
6.764	0.243	6.781	0.266	6.803	0.052	6.826	0.086
6.848	-0.019	6.878	0.364	6.894	0.594	6.913	0.699
6.931	0.946	6.955	0.858	6.972	0.529	6.985	0.331
7.002	0.385	7.026	0.217	7.041	0.208	7.059	0.087
7.078	-0.250	7.092	-0.467	7.108	-0.632	7.129	-0.565
7.153	-0.146	7.175	0.291	7.188	0.584	7.207	0.715
7.227	0.477	7.247	0.338	7.261	0.239	7.284	0.573
7.305	0.791	7.322	0.840	7.357	0.708	7.390	0.654
7.410	0.689	7.431	0.589	7.457	0.277	7.469	0.065
7.483	-0.152	7.493	-0.439	7.510	-0.612	7.539	-0.711
7.560	-0.682	7.579	-0.529	7.600	-0.415	7.622	-0.338
7.636	-0.339	7.657	-0.089	7.674	0.050	7.703	0.285
7.723	0.356	7.737	0.392	7.759	0.497	7.784	0.500
7.803	0.427	7.820	0.256	7.841	-0.002	7.852	-0.223
7.863	-0.408	7.872	-0.596	7.896	-0.759	7.912	-0.809
7.934	-1.091	7.953	-1.264	7.968	-1.248	7.994	-0.909
8.006	-0.785	8.026	-0.419	8.049	-0.057	8.076	0.275
8.093	0.516	8.103	0.588	8.124	0.851	8.141	0.906
8.168	0.771	8.180	0.653	8.197	0.206	8.211	-0.226
8.226	-0.619	8.243	-0.832	8.259	-0.935	8.278	-0.869
8.299	-0.497	8.317	-0.098	8.333	-0.041	8.348	0.095
8.362	0.171	8.387	0.473	8.403	0.363	8.422	0.242
8.442	0.045	8.465	0.038	8.486	0.162	8.509	0.363
8.524	0.649	8.543	0.852	8.561	0.892	8.579	0.756
8.598	0.424	8.615	0.179	8.628	-0.051	8.644	-0.205
8.666	-0.035	8.680	0.065	8.698	0.240	8.731	0.279
8.762	0.234	8.790	-0.002	8.812	-0.047	8.830	-0.031
8.846	-0.068	8.871	0.013	8.900	-0.026	8.930	-0.078
8.946	-0.128	8.958	-0.145	8.982	-0.296	9.008	-0.191
9.035	-0.009	9.063	-0.083	9.093	-0.173	9.111	-0.232
9.130	-0.316	9.150	-0.233	9.166	-0.066	9.185	0.128
9.203	-0.035	9.222	-0.198	9.242	-0.375	9.260	-0.504
9.290	-0.484	9.315	-0.376	9.336	-0.356	9.358	-0.265

9.373	-0.188	9.392	-0.012	9.406	0.116	9.429	0.162
9.466	0.352	9.493	0.218	9.511	0.175	9.533	0.340
9.551	0.405	9.576	0.613	9.592	0.705	9.609	0.758
9.635	0.603	9.663	0.400	9.691	0.392	9.726	0.242
9.776	0.160	9.800	0.143	9.822	0.259	9.845	0.362
9.865	0.310	9.891	0.161	9.915	0.061	9.938	-0.048
9.963	-0.206	9.981	-0.281	10.007	-0.188	10.034	0.139
10.048	0.318	10.066	0.617	10.080	0.800	10.098	0.912
10.113	0.776	10.132	0.552	10.152	0.363	10.174	0.051
10.187	-0.197	10.206	-0.494	10.225	-0.671	10.236	-0.724
10.251	-0.677	10.272	-0.531	10.284	-0.469	10.318	-0.062
10.335	0.151	10.347	0.241	10.357	0.196	10.375	-0.026
10.390	-0.168	10.420	-0.595	10.437	-0.664	10.458	-0.667
10.479	-0.651	10.498	-0.288	10.519	0.068	10.538	0.380
10.546	0.426	10.551	0.454	10.556	0.477	10.563	0.480
10.566	0.475	10.577	0.439	10.587	0.342	10.594	0.258
10.601	0.158	10.606	0.030	10.612	-0.110	10.617	-0.249
10.623	-0.409	10.629	-0.521	10.637	-0.649	10.646	-0.837
10.654	-0.985	10.664	-1.085	10.678	-1.214	10.687	-1.290
10.695	-1.330	10.704	-1.294	10.715	-1.142	10.726	-0.970
10.738	-0.770	10.750	-0.538	10.763	-0.279	10.776	-0.075
10.769	0.089	10.803	0.269	10.812	0.338	10.825	0.362
10.834	0.363	10.844	0.335	10.857	0.252	10.868	0.193
10.884	0.135	10.902	0.121	10.914	0.066	10.928	0.012
10.948	0.011	10.969	0.093	10.983	0.234	10.995	0.390
11.016	0.672	11.030	0.725	11.042	0.667	11.054	0.510
11.065	0.364	11.077	0.127	11.097	-0.180	11.109	-0.241
11.130	-0.250	11.149	-0.103	11.165	-0.028	11.180	0.094
11.191	0.128	11.212	0.152	11.228	0.271	11.240	0.389
11.257	0.500	11.275	0.641	11.295	0.686	11.313	0.692
11.332	0.518	11.343	0.396	11.354	0.321	11.366	0.290
11.388	0.302	11.408	0.317	11.438	0.308	11.452	0.263
11.470	0.179	11.481	0.183	11.495	0.185	11.514	0.135
11.534	0.093	11.563	0.094	11.576	0.053	11.598	-0.085
11.618	-0.211	11.633	-0.276	11.647	-0.250	11.666	-0.104
11.682	0.041	11.698	0.227	11.713	0.273	11.734	0.291
11.749	0.201	11.765	-0.004	11.780	-0.216	11.798	-0.441
11.810	-0.569	11.826	-0.778	11.842	-0.907	11.855	-0.972
11.872	-0.993	11.894	-0.839	11.905	-0.760	11.914	-0.621
11.927	-0.442	11.940	-0.335	11.953	-0.204	11.968	-0.177
11.982	-0.194	11.998	-0.302	12.015	-0.418	12.035	-0.645
12.055	-0.808	12.068	-0.848	12.080	-0.840	12.102	-0.617
12.126	-0.303	12.141	-0.130	12.166	0.091	12.177	0.196
12.188	0.300	12.199	0.349	12.217	0.375	12.242	0.254
12.260	0.034	12.279	-0.170	12.296	-0.414	12.307	-0.552
12.326	-0.620	12.345	-0.550	12.365	-0.380	12.380	-0.210
12.396	0.043	12.419	0.306	12.439	0.503	12.460	0.585
12.473	0.599	12.492	0.541	12.501	0.466	12.522	0.253
12.536	0.138	12.552	0.116	12.577	0.154	12.594	0.243
12.619	0.471	12.654	0.847	12.675	0.936	12.691	0.904
12.706	0.876	12.723	0.792	12.743	0.644	12.765	0.408
12.784	0.185	12.799	0.033	12.814	-0.023	12.829	-0.017
12.851	0.135	12.863	0.200	12.892	0.220	12.904	0.174
12.923	0.127	12.939	0.148	12.970	0.263	12.996	0.296
13.015	0.267	13.034	0.122	13.049	0.007	13.065	-0.037
13.079	-0.100	13.092	-0.131	13.111	-0.086	13.134	-0.034

13.153	0.028	13.171	0.058	13.191	0.071	13.211	-0.027
13.227	-0.180	13.244	-0.421	13.261	-0.614	13.271	-0.642
13.284	-0.018	13.304	-0.479	13.315	-0.403	13.332	-0.220
13.357	-0.116	13.371	-0.017	13.387	0.011	13.405	-0.012
13.429	-0.078	13.453	-0.116	13.483	-0.146	13.509	-0.112
13.535	-0.177	13.557	-0.237	13.585	-0.278	13.602	-0.291
13.627	-0.324	13.650	-0.313	13.671	-0.222	13.690	-0.143
13.707	-0.036	13.727	0.043	13.750	0.111	13.773	0.109
13.793	0.084	13.823	0.143	13.844	0.185	13.870	0.168
13.891	0.140	13.913	0.026	13.938	-0.097	13.958	-0.124
13.986	-0.072	14.005	0.024	14.027	0.088	14.047	0.136
14.064	0.124	14.085	0.099	14.105	0.014	14.124	-0.082
14.142	-0.155	14.157	-0.160	14.173	-0.114	14.191	-0.030
14.207	0.092	14.228	0.212	14.244	0.332	14.271	0.391
14.296	0.291	14.323	0.067	14.341	-0.076	14.358	-0.167
14.372	-0.186	14.388	-0.149	14.409	-0.017	14.428	0.032
14.445	0.093	14.467	0.142	14.489	0.187	14.508	0.220
14.529	0.180	14.545	0.064	14.559	-0.075	14.582	-0.259
14.600	-0.355	14.615	-0.379	14.643	-0.294	14.670	-0.145
14.689	-0.016	14.704	0.065	14.728	0.126	14.749	0.092
14.761	0.085	14.780	-0.009	14.792	-0.019	14.811	0.003
14.836	0.089	14.864	0.148	14.883	0.130	14.910	0.121
14.934	0.104	14.962	0.004	14.986	-0.104	15.005	-0.249
15.025	-0.326	15.041	-0.372	15.067	-0.278	15.096	-0.181
15.115	-0.175	15.138	-0.154	15.162	-0.009	15.191	0.136
15.223	0.120	15.249	0.076	15.279	0.112	15.305	0.208
15.337	0.300	15.359	0.267	15.385	0.170	15.409	0.093
15.435	-0.008	15.452	-0.093	15.472	-0.194	15.486	-0.210
15.507	-0.154	15.531	-0.109	15.550	-0.112	15.569	-0.123
15.597	-0.091	15.617	-0.062	15.633	-0.013	15.647	0.064
15.660	0.141	15.676	0.194	15.692	0.211	15.706	0.192
15.732	0.143	15.750	0.118	15.772	0.096	15.793	0.002
15.811	-0.083	15.826	-0.112	15.844	-0.062	15.859	0.029
15.875	0.091	15.899	0.137	15.913	0.102	15.934	0.002
15.950	-0.081	15.968	-0.137	15.992	-0.065	16.012	0.015
16.032	0.107	16.047	0.144	16.063	0.145	16.080	0.083
16.097	0.008	16.112	-0.002	16.132	0.023	16.151	0.041
16.163	0.066	16.174	0.132	16.190	0.174	16.207	0.205
16.227	0.165	16.251	0.129	16.265	0.132	16.291	0.168
16.315	0.152	16.336	0.116	16.358	0.092	16.377	0.044
16.397	0.003	16.420	-0.028	16.447	-0.030	16.464	-0.049
16.477	-0.037	16.492	0.016	16.507	0.107	16.521	0.162
16.538	0.206	16.552	0.213	16.571	0.149	16.584	0.073
16.594	0.001	16.609	-0.092	16.622	-0.176	16.644	-0.201
16.667	-0.203	16.687	-0.189	16.704	-0.178	16.717	-0.131
16.730	-0.104	16.743	-0.089	16.760	-0.083	16.776	-0.125
16.789	-0.187	16.806	-0.233	16.822	-0.270	16.831	-0.279
16.849	-0.254	16.864	-0.224	16.874	-0.153	16.885	-0.075
16.898	-0.009	16.910	0.002	16.927	0.007	16.947	0.001
16.963	-0.053	16.980	-0.130	16.994	-0.191	17.006	-0.192
17.030	-0.162	17.044	-0.151	17.061	-0.165	17.077	-0.170
17.096	-0.148	17.113	-0.153	17.129	-0.161	17.143	-0.134
17.158	-0.087	17.172	-0.048	17.186	-0.021	17.200	-0.053
17.213	-0.090	17.226	-0.134	17.240	-0.134	17.255	-0.110
17.274	-0.050	17.289	0.007	17.306	0.051	17.327	0.048
17.345	0.016	17.360	0.001	17.369	-0.011	17.389	0.003

17.407	0.013	17.426	0.019	17.444	0.001	17.459	-0.013
17.473	-0.024	17.497	-0.017	17.519	0.025	17.536	0.075
17.547	0.139	17.562	0.224	17.577	0.277	17.590	0.305
17.603	0.294	17.617	0.291	17.637	0.280	17.652	0.249
17.664	0.190	17.675	0.098	17.688	0.074	17.707	0.110
17.719	0.138	17.735	0.185	17.750	0.197	17.766	0.165
17.782	0.129	17.800	0.129	17.820	0.164	17.837	0.184
17.856	0.155	17.867	0.115	17.879	0.059	17.895	-0.009
17.908	-0.034	17.925	-0.014	17.936	0.037	17.955	0.080
17.972	0.116	17.989	0.183	18.002	0.234	18.016	0.254
18.031	0.225	18.049	0.152	18.062	0.060	18.078	-0.057
18.095	-0.133	18.112	-0.198	18.128	-0.255	18.147	-0.272
18.161	-0.268	18.178	-0.238	18.192	-0.175	18.206	-0.147
18.223	-0.144	18.236	-0.161	18.254	-0.194	18.274	-0.243
18.298	-0.248	18.316	-0.233	18.338	-0.203	18.359	-0.188
18.379	-0.192	18.393	-0.228	18.410	-0.260	18.425	-0.241
18.441	-0.165	18.453	-0.106	18.465	-0.062	18.474	-0.054
18.490	-0.079	18.507	-0.138	18.523	-0.197	18.535	-0.233
18.548	-0.244	18.562	-0.216	18.573	-0.160	18.589	-0.079
18.605	-0.023	18.620	0.014	18.641	0.050	18.663	0.111
18.678	0.148	18.694	0.173	18.713	0.146	18.733	0.084
18.742	0.057	18.757	-0.009	18.770	-0.080	18.764	-0.103
18.796	-0.086	18.811	-0.021	18.824	0.064	18.836	0.149
18.847	0.221	18.863	0.259	18.885	0.252	18.906	0.238
18.922	0.243	18.937	0.260	18.950	0.264	18.965	0.241
18.980	0.174	18.996	0.127	19.014	0.132	19.028	0.169
19.041	0.221	19.058	0.254	19.075	0.271	19.097	0.255
19.122	0.262	19.142	0.269	19.169	0.265	19.192	0.228
19.210	0.188	19.225	0.124	19.240	0.068	19.254	0.043
19.277	0.061	19.294	0.107	19.313	0.137	19.337	0.154
19.362	0.123	19.381	0.086	19.400	0.036	19.420	0.018
19.442	-0.009	19.460	-0.028	19.478	-0.015	19.495	0.007
19.515	0.044	19.527	0.071	19.540	0.054	19.556	-0.014
19.568	-0.051	19.580	-0.128	19.588	-0.180	19.603	-0.201
19.623	-0.223	19.642	-0.240	19.664	-0.305	19.681	-0.353
19.697	-0.381	19.719	-0.353	19.738	-0.317	19.758	-0.269
19.783	-0.217	19.804	-0.185	19.828	-0.181	19.849	-0.168
19.870	-0.176	19.881	-0.179	19.894	-0.207	19.914	-0.194
19.931	-0.166	19.950	-0.129	19.972	-0.084	19.989	-0.031
20.004	-0.088	20.023	-0.033	20.047	-0.067	20.063	-0.082
20.078	-0.073	20.095	-0.039	20.113	-0.001	20.134	0.018
20.150	0.025	20.165	-0.016	20.182	-0.025	20.199	0.002
20.216	0.092	20.231	0.162	20.249	0.205	20.263	0.243
20.278	0.244	20.293	0.233	20.309	0.213	20.320	0.146
20.330	0.134	20.345	0.162	20.358	0.203	20.374	0.251
20.390	0.287	20.406	0.292	20.419	0.276	20.435	0.247
20.451	0.267	20.467	0.286	20.487	0.313	20.514	0.316
20.541	0.323	20.569	0.317	20.585	0.305	20.602	0.216
20.621	0.115	20.636	0.046	20.655	0.024	20.672	0.026
20.687	0.041	20.705	0.059	20.726	0.053	20.740	0.051
20.754	0.006	20.770	-0.031	20.784	-0.049	20.798	-0.042
20.813	-0.024	20.829	0.002	20.840	-0.000	20.856	-0.031
20.871	-0.081	20.888	-0.179	20.905	-0.297	20.923	-0.372
20.938	-0.418	20.939	-0.418	20.949	-0.376	20.966	-0.309
20.985	-0.206	20.996	-0.128	21.008	-0.071	21.021	-0.067
21.041	-0.104	21.055	-0.156	21.071	-0.236	21.081	-0.277

21.101	-0.312	21.121	-0.324	21.138	-0.312	21.154	-0.316
21.173	-0.295	21.187	-0.244	21.203	-0.176	21.221	-0.132
21.237	-0.095	21.253	-0.063	21.265	-0.055	21.276	-0.075
21.287	-0.111	21.296	-0.139	21.311	-0.182	21.323	-0.242
21.339	-0.277	21.354	-0.277	21.367	-0.269	21.383	-0.245
21.401	-0.180	21.420	-0.100	21.438	-0.031	21.456	0.021
21.474	0.074	21.486	0.106	21.498	0.127	21.511	0.107
21.527	0.084	21.541	0.057	21.555	0.013	21.574	0.010
21.593	0.010	21.601	0.014	21.612	0.011	21.621	0.019
21.635	0.063	21.651	0.147	21.666	0.227	21.680	0.275
21.695	0.291	21.719	0.284	21.731	0.284	21.738	0.269
21.752	0.233	21.765	0.205	21.776	0.122	21.786	0.071
21.796	0.043	21.807	-0.009	21.820	-0.020	21.835	-0.008
21.848	0.012	21.865	0.064	21.879	0.128	21.899	0.199
21.911	0.218	21.922	0.230	21.941	0.221	21.958	0.208
21.967	0.168	21.988	0.151	22.010	0.058	22.033	-0.011
22.047	-0.027	22.063	-0.024	22.082	0.015	22.102	0.049
22.113	0.060	22.129	0.050	22.143	0.017	22.161	-0.017
22.175	-0.082	22.194	-0.079	22.213	-0.057	22.229	-0.047
22.255	-0.077	22.267	-0.126	22.283	-0.175	22.303	-0.205
22.325	-0.190	22.343	-0.147	22.360	-0.120	22.377	-0.108
22.395	-0.125	22.408	-0.134	22.425	-0.122	22.443	-0.099
22.463	-0.060	22.485	-0.048	22.504	-0.035	22.518	-0.022
22.536	-0.033	22.551	-0.056	22.566	-0.091	22.581	-0.114
22.598	-0.153	22.612	-0.147	22.630	-0.101	22.652	-0.150
22.668	-0.120	22.685	-0.069	22.699	-0.052	22.714	-0.026
22.733	0.045	22.747	0.095	22.768	0.090	22.786	0.097
22.804	0.075	22.818	0.029	22.833	-0.033	22.845	-0.068
22.854	-0.083	22.872	-0.073	22.898	0.005	22.913	0.039
22.928	0.068	22.945	0.074	22.956	0.059	22.970	0.041
22.988	-0.005	23.011	-0.032	23.028	-0.048	23.044	-0.071
23.068	-0.095	23.086	-0.063	23.104	-0.012	23.118	0.043
23.135	0.089	23.148	0.132	23.165	0.155	23.177	0.166
23.195	0.157	23.215	0.128	23.242	0.078	23.266	0.044
23.294	0.017	23.320	-0.009	23.342	-0.007	23.356	0.020
23.372	0.070	23.394	0.128	23.405	0.155	23.423	0.159
23.452	0.169	23.475	0.176	23.497	0.187	23.519	0.135
23.534	0.102	23.550	0.066	23.574	0.049	23.587	0.049
23.601	0.041	23.614	0.025	23.635	-0.011	23.648	-0.035
23.680	-0.035	23.694	-0.055	23.714	-0.078	23.734	-0.110
23.762	-0.105	23.785	-0.041	23.819	-0.000	23.852	0.005
23.888	-0.030	23.917	-0.045	23.935	-0.091	23.955	-0.106
23.986	-0.092	24.009	-0.055	24.030	-0.042	24.048	-0.073
24.064	-0.125	24.085	-0.160	24.103	-0.159	24.129	-0.139
24.151	-0.114	24.166	-0.094	24.186	-0.070	24.205	-0.030
24.222	0.005	24.243	0.021	24.264	0.032	24.284	0.032
24.311	0.043	24.328	0.063	24.358	0.062	24.376	0.050
24.394	0.041	24.421	0.036	24.440	0.019	24.463	-0.002
24.485	-0.035	24.504	-0.064	24.523	-0.096	24.532	-0.133
24.546	-0.145	24.565	-0.154	24.585	-0.119	24.597	-0.088
24.623	-0.042	24.637	-0.019	24.655	0.027	24.674	0.065
24.691	0.080	24.718	0.085	24.741	0.056	24.761	0.022
24.785	0.000	24.810	0.022	24.843	0.040	24.859	0.059
24.885	0.061	24.908	0.056	24.937	0.055	24.955	0.046
24.973	0.006	24.993	-0.006	25.017	-0.003	25.040	0.029
25.068	0.064	25.094	0.068	25.138	0.092	25.179	0.084

25.209	0.046	25.231	0.008	25.264	-0.036	25.307	-0.052
25.341	-0.035	25.376	-0.003	25.395	0.025	25.420	-0.010
25.445	-0.058	25.468	-0.109	25.499	-0.109	25.540	-0.102
25.571	-0.042	25.593	-0.003	25.633	-0.023	25.653	-0.043
25.689	-0.044	25.710	-0.028	25.737	-0.005	25.766	-0.005
25.789	-0.037	25.822	-0.062	25.869	-0.024	25.895	0.015
25.916	0.038	25.948	0.017	25.980	-0.000	26.019	0.008
26.044	0.035	26.073	0.071	26.096	0.090	26.129	0.046
26.156	-0.002	26.193	-0.006	26.207	0.002	26.241	0.018
26.267	0.010	26.291	-0.038	26.329	-0.090	26.363	-0.066
26.402	-0.070	26.431	-0.025	26.462	0.015	26.482	0.043
26.499	0.032	26.523	0.017	26.549	0.018	26.575	0.035
26.608	0.052	26.649	0.050	26.670	0.046	26.694	0.015
26.717	0.003	26.741	-0.037	26.774	-0.068	26.802	-0.072
26.831	-0.044	26.864	-0.027	26.899	0.009	26.938	-0.009
26.973	-0.018	27.008	-0.015	27.039	0.007	27.061	0.038
27.093	0.013	27.127	-0.012	27.161	-0.034	27.188	-0.055
27.208	-0.060	27.237	-0.037	27.276	-0.007	27.299	0.020
27.315	0.036	27.337	0.027	27.354	0.019	27.385	0.006
27.410	0.026	27.425	0.018	27.441	0.001	27.464	-0.015
27.477	-0.027	27.505	-0.007	27.533	0.028	27.556	0.064
27.592	0.072	27.614	0.028	27.643	0.012	27.667	0.001
27.687	-0.031	27.706	-0.059	27.729	-0.063	27.763	-0.034
27.795	-0.010	27.813	0.002	27.831	0.019	27.848	-0.004
27.884	-0.047	27.920	-0.078	27.945	-0.093	27.967	-0.080
27.992	-0.027	28.019	0.033	28.039	0.018	28.065	0.014
28.092	0.014	28.116	-0.002	28.146	-0.021	28.180	-0.021
28.208	-0.026	28.220	-0.027	28.233	-0.015	28.250	-0.012
28.275	-0.021	28.299	-0.014	28.321	-0.003	28.343	0.016
28.358	0.007	28.368	0.011	28.385	0.022	28.394	0.010
28.413	-0.007	28.434	0.004	28.449	0.008	28.463	-0.013
28.484	-0.014	28.509	-0.011	28.534	-0.012	28.558	-0.040
28.583	-0.068	28.608	-0.069	28.642	-0.029	28.662	-0.013
28.696	-0.038	28.710	-0.042	28.739	-0.062	28.757	-0.051
28.773	-0.035	28.797	-0.027	28.823	-0.031	28.847	-0.011
28.872	0.017	28.886	0.029	28.913	0.045	28.928	0.025
28.969	0.009	28.989	0.025	29.008	0.021	29.020	0.005
29.035	-0.011	29.053	-0.019	29.067	-0.015	29.084	-0.003
29.102	0.025	29.119	0.057	29.135	0.093	29.154	0.101
29.181	0.101	29.206	0.128	29.219	0.101	29.234	0.065
29.255	0.037	29.280	0.017	29.305	0.025	29.333	0.017
29.361	0.025	29.376	0.057	29.390	0.085	29.405	0.097
29.416	0.085	29.439	0.057	29.455	0.021	29.466	0.001
29.494	-0.016	29.520	-0.024	29.528	-0.024	29.540	-0.025
29.555	-0.025	29.599	-0.014	29.602	-0.006	29.629	0.006
29.648	-0.011	29.680	-0.028	29.691	-0.052	29.711	-0.081
29.736	-0.098	29.751	-0.127	29.767	-0.135	29.783	-0.112
29.800	-0.097	29.815	-0.077	29.844	-0.098	29.868	-0.099
29.885	-0.092	29.897	-0.068	29.907	-0.060	29.929	-0.069
29.952	-0.070	29.967	-0.062	29.982	-0.039	30.002	-0.056
30.030	-0.056	30.068	-0.057	30.113	-0.058	30.135	-0.067
30.162	-0.067	30.180	-0.076	30.196	-0.080	30.210	-0.048
30.220	-0.029	30.239	-0.037	30.269	0.010	30.292	0.037
30.293	0.037	30.305	0.057	30.325	0.037	30.378	0.028
30.358	0.044	30.399	0.064	30.419	0.091	30.443	0.091
30.467	0.087	30.489	0.079	30.514	0.058	30.538	0.030

30.573	0.002	30.587	-0.030	30.608	-0.018	30.625	-0.002
30.647	0.034	30.673	0.070	30.702	0.086	30.709	0.058
30.726	0.030	30.744	0.026	30.770	0.038	30.779	0.030
30.798	0.046	30.816	0.062	30.836	0.054	30.853	0.022
30.873	-0.025	30.889	-0.021	30.903	-0.045	30.921	-0.061
30.936	-0.073	30.961	-0.034	30.987	0.002	31.006	0.025
31.026	0.025	31.037	0.029	31.061	-0.027	31.081	-0.099
31.104	-0.164	31.119	-0.188	31.135	-0.204	31.159	-0.173
31.176	-0.122	31.193	-0.079	31.206	-0.063	31.219	-0.096
31.241	-0.104	31.263	-0.117	31.292	-0.074	31.313	-0.055
31.334	-0.068	31.354	-0.096	31.372	-0.117	31.384	-0.133
31.399	-0.165	31.418	-0.178	31.432	-0.178	31.467	-0.140
31.467	-0.140	31.483	-0.017	31.516	-0.009	31.518	-0.009
31.537	-0.018	31.556	-0.050	31.572	-0.078	31.595	-0.067
31.612	-0.075	31.628	-0.091	31.644	-0.068	31.663	-0.012
31.680	0.072	31.694	0.112	31.709	0.120	31.727	0.105
31.749	0.065	31.771	0.010	31.784	-0.010	31.803	0.039
31.823	0.063	31.841	0.060	31.854	0.044	31.866	-0.007
31.877	-0.014	31.889	-0.030	31.902	0.013	31.917	0.080
31.932	0.131	31.941	0.190	31.950	0.233	31.959	0.240
31.967	0.251	31.979	0.206	31.995	0.142	32.008	0.077
32.027	0.005	32.046	-0.028	32.073	-0.013	32.089	0.018
32.107	0.049	32.129	0.088	32.149	0.123	32.168	0.114
32.192	0.077	32.208	0.033	32.227	-0.012	32.247	-0.016
32.268	0.003	32.296	0.018	32.320	0.025	32.349	0.009
32.379	-0.003	32.401	-0.011	32.442	-0.031	32.457	-0.115
32.472	-0.175	32.491	-0.223	32.508	-0.195	32.530	-0.135
32.548	-0.076	32.565	-0.032	32.581	-0.007	32.593	-0.043
32.616	-0.079	32.624	-0.150	32.637	-0.206	32.662	-0.193
32.676	-0.165	32.694	-0.117	32.708	-0.101	32.726	-0.117
32.746	-0.109	32.769	-0.096	32.784	-0.068	32.797	-0.064
32.819	-0.060	32.835	-0.083	32.851	-0.139	32.869	-0.186
32.884	-0.198	32.905	-0.176	32.923	-0.126	32.945	-0.066
32.978	-0.061	32.996	-0.057	33.033	-0.053	33.067	-0.029
33.086	0.019	33.104	0.071	33.126	0.103	33.145	0.092
33.169	0.072	33.197	0.036	33.216	0.047	33.232	0.067
33.251	0.083	33.273	0.031	33.295	-0.021	33.315	-0.053
33.336	-0.013	33.360	0.014	33.383	0.022	33.411	0.013
33.432	0.056	33.452	0.100	33.475	0.143	33.490	0.139
33.508	0.122	33.532	0.094	33.552	0.082	33.574	0.030
33.591	0.014	33.614	0.034	33.626	0.049	33.649	0.033
33.679	0.045	33.697	0.049	33.721	0.029	33.742	0.009
33.764	-0.023	33.792	-0.074	33.811	-0.130	33.834	-0.173
33.857	-0.133	33.879	-0.069	33.896	-0.005	33.912	0.027
33.934	0.052	33.955	0.060	33.975	0.033	33.997	0.005
34.014	-0.074	34.030	-0.126	34.053	-0.162	34.074	-0.149
34.090	-0.097	34.109	-0.061	34.130	-0.025	34.152	-0.045
34.170	-0.084	34.188	-0.116	34.222	-0.135	34.243	-0.170
34.269	-0.198	34.293	-0.145	34.319	-0.057	34.340	0.016
34.362	0.068	34.381	0.105	34.408	0.083	34.436	0.040
34.458	-0.014	34.480	-0.073	34.501	-0.132	34.528	-0.096
34.553	-0.047	34.583	-0.022	34.610	-0.010	34.636	0.031
34.670	0.058	34.694	0.062	34.718	0.054	34.745	0.054
34.778	0.102	34.793	0.141	34.814	0.173	34.840	0.164
34.861	0.136	34.889	0.095	34.914	0.014	34.935	-0.054
34.956	-0.115	34.983	-0.136	35.018	-0.122	35.041	-0.059

35.063	-0.004	35.087	-0.013	35.124	-0.027	35.156	-0.036
35.188	-0.025	35.213	0.010	35.239	0.033	35.263	0.044
35.285	-0.000	35.314	-0.049	35.341	-0.061	35.366	-0.114
35.402	-0.129	35.423	-0.101	35.456	-0.061	35.494	-0.045
35.527	-0.033	35.562	-0.032	35.599	-0.016	35.615	0.009
35.642	0.045	35.663	0.085	35.686	0.101	35.705	0.114
35.730	0.058	35.757	-0.029	35.780	-0.093	35.816	-0.124
35.855	-0.108	35.888	-0.051	35.918	-0.003	35.945	0.017
35.965	0.014	35.985	-0.007	36.007	-0.051	36.033	-0.067
36.065	-0.035	36.093	-0.064	36.121	0.039	36.154	0.021
36.183	-0.021	36.211	-0.062	36.240	-0.096	36.261	-0.097
36.281	-0.114	36.304	-0.059	36.325	0.008	36.347	0.052
36.377	0.051	36.398	0.039	36.423	0.011	36.446	-0.033
36.465	-0.069	36.491	-0.053	36.511	-0.021	36.531	-0.017
36.550	0.003	36.574	-0.013	36.599	-0.013	36.625	-0.004
36.649	0.016	36.684	-0.007	36.714	-0.019	36.742	-0.018
36.775	-0.009	36.804	0.000	36.837	-0.002	36.879	-0.033
36.919	-0.044	36.958	-0.047	36.991	-0.007	37.022	0.017
37.053	0.033	37.082	0.025	37.113	0.005	37.142	-0.036
37.174	-0.069	37.202	-0.094	37.238	-0.077	37.261	-0.050
37.287	-0.048	37.319	-0.038	37.340	-0.048	37.360	-0.061
37.386	-0.050	37.401	-0.070	37.420	-0.083	37.444	-0.068
37.467	-0.036	37.483	-0.008	37.507	0.011	37.525	-0.001
37.561	-0.017	37.590	-0.029	37.622	-0.053	37.659	-0.061
37.688	-0.069	37.711	-0.045	37.735	-0.021	37.761	-0.025
37.795	-0.029	37.830	-0.012	37.866	0.016	37.899	0.041
37.929	0.054	37.961	0.027	37.990	-0.006	38.010	-0.031
38.048	-0.026	38.118	-0.017	38.163	-0.005	38.203	0.002
38.262	0.006	38.293	-0.007	38.318	-0.015	38.339	-0.015
38.360	-0.052	38.384	-0.064	38.415	-0.048	38.442	-0.036
38.480	-0.045	38.512	-0.069	38.541	-0.053	38.566	-0.037
38.590	-0.021	38.618	-0.041	38.641	-0.057	38.670	-0.057
38.701	-0.053	38.725	-0.041	38.750	-0.041	38.770	-0.065
38.792	-0.092	38.812	-0.116	38.836	-0.108	38.867	-0.084
38.898	-0.048	38.924	-0.000	38.951	0.012	38.985	0.016
39.017	-0.020	39.042	-0.040	39.063	-0.020	39.084	-0.032
39.117	-0.037	39.150	-0.005	39.175	0.022	39.205	0.046
39.225	0.049	39.249	0.029	39.277	0.001	39.299	-0.011
39.315	-0.023	39.338	0.008	39.360	0.040	39.381	0.063
39.402	0.039	39.432	0.019	39.461	0.007	39.494	-0.009
39.530	-0.029	39.569	-0.018	39.615	0.002	39.645	0.014
39.689	-0.011	39.718	-0.024	39.748	-0.032	39.780	-0.013
39.810	-0.010	39.837	0.005	39.868	-0.024	39.903	-0.045
39.932	-0.062	39.959	-0.059	39.988	-0.041	40.029	-0.022
40.062	-0.034	40.100	-0.026	40.126	-0.050	40.148	-0.078
40.176	-0.098	40.200	-0.063	40.229	-0.022	40.262	0.012
40.265	0.017	40.322	-0.018	40.346	-0.036	40.377	-0.051
40.406	-0.046	40.438	-0.008	40.462	0.009	40.492	0.022
40.520	0.011	40.543	-0.009	40.565	-0.037	40.591	-0.060
40.620	-0.036	40.656	0.004	40.683	0.008	40.718	-0.000
40.751	-0.012	40.786	-0.029	40.822	-0.025	40.861	0.007
40.891	0.035	40.914	0.050	40.947	0.018	40.979	-0.026
41.012	-0.058	41.042	-0.055	41.073	-0.032	41.109	-0.009
41.141	-0.001	41.162	-0.014	41.189	-0.046	41.210	-0.070
41.246	-0.071	41.273	-0.047	41.293	-0.012	41.319	0.004
41.343	-0.009	41.364	-0.037	41.392	-0.045	41.424	-0.033

41.441	-0.052	41.472	-0.088	41.499	-0.088	41.541	-0.075
41.580	-0.063	41.608	-0.055	41.630	-0.075	41.646	-0.086
41.671	-0.098	41.696	-0.090	41.726	-0.054	41.761	-0.014
41.799	-0.001	41.834	0.015	41.862	-0.025	41.890	-0.033
41.921	-0.041	41.949	-0.033	41.984	-0.005	42.015	0.011
42.047	0.039	42.075	0.027	42.104	0.023	42.132	0.031
42.152	0.043	42.180	0.051	42.207	0.023	42.247	0.015
42.287	0.007	42.345	-0.009	42.401	-0.001	42.440	0.015
42.485	-0.001	42.527	-0.037	42.576	-0.033	42.616	-0.053
42.682	-0.025	42.730	-0.045	42.750	-0.058	42.774	-0.058
42.801	-0.051	42.823	-0.047	42.835	-0.047	42.858	-0.040
42.882	-0.029	42.911	-0.037	42.940	-0.050	42.961	-0.070
42.996	-0.083	43.029	-0.080	43.079	-0.077	43.110	-0.074
43.129	-0.090	43.155	-0.095	43.181	-0.068	43.202	-0.084
43.222	-0.061	43.244	-0.041	43.262	-0.022	43.278	0.002
43.292	-0.007	43.311	-0.027	43.328	-0.043	43.344	-0.063
43.360	-0.087	43.378	-0.100	43.398	-0.092	43.415	-0.072
43.434	-0.049	43.455	-0.041	43.475	-0.029	43.496	-0.014
43.517	-0.010	43.529	-0.014	43.548	-0.014	43.574	-0.023
43.593	-0.015	43.610	-0.011	43.626	0.008	43.644	0.016
43.664	0.028	43.680	0.044	43.697	0.055	43.715	0.047
43.730	0.031	43.746	0.019	43.764	-0.005	43.783	-0.017
43.803	-0.013	43.820	-0.013	43.846	-0.013	43.864	-0.010
43.884	0.010	43.905	0.034	43.924	0.046	43.947	0.042
43.969	0.026	44.004	0.010	44.028	0.002	44.050	0.003
44.076	-0.005	44.102	-0.017	44.131	-0.020	44.155	-0.020
44.175	-0.052	44.199	-0.075	44.220	-0.079	44.244	-0.083
44.261	-0.095	44.278	-0.098	44.299	-0.090	44.324	-0.082
44.351	-0.074	44.376	-0.066	44.401	-0.066	44.420	-0.073
44.446	-0.089	44.467	-0.109	44.492	-0.101	44.516	-0.084
44.542	-0.068	44.562	-0.044	44.582	-0.040	44.600	-0.047
44.624	-0.051	44.647	-0.066	44.660	-0.062	44.686	-0.086
44.707	-0.097	44.727	-0.105	44.748	-0.092	44.768	-0.064
44.780	-0.048	44.794	-0.027	44.813	-0.035	44.830	-0.026
44.850	-0.026	44.866	-0.013	44.880	-0.005	44.899	-0.004
44.923	-0.020	44.948	-0.027	44.972	-0.014	44.998	0.002
45.019	0.026	45.045	0.026	45.078	0.014	45.104	-0.014
45.134	-0.022	45.154	-0.030	45.183	-0.006	45.213	0.006
45.241	0.022	45.267	0.022	45.292	0.006	45.322	0.006
45.351	-0.006	45.375	-0.011	45.401	-0.007	45.424	-0.031
45.447	-0.047	45.474	-0.044	45.505	-0.048	45.534	-0.052
45.562	-0.088	45.587	-0.105	45.612	-0.093	45.635	-0.085
45.656	-0.073	45.680	-0.078	45.713	-0.090	45.736	-0.091
45.768	-0.075	45.794	-0.060	45.823	-0.049	45.855	-0.050
45.883	-0.050	45.912	-0.051	45.937	-0.063	45.960	-0.052
45.984	-0.037	46.006	-0.042	46.028	-0.042	46.048	-0.027
46.063	-0.031	46.084	-0.028	46.106	-0.041	46.129	-0.046
46.153	-0.030	46.181	-0.031	46.207	-0.024	46.235	-0.013
46.259	0.002	46.287	0.018	46.314	0.025	46.343	0.005
46.372	-0.007	46.394	-0.016	46.418	-0.024	46.440	-0.035
46.463	-0.037	46.483	-0.021	46.501	-0.010	46.517	0.002
46.533	-0.022	46.555	-0.006	46.572	-0.011	46.590	-0.007
46.607	-0.011	46.633	-0.015	46.654	-0.003	46.675	0.009
46.689	0.016	46.707	0.012	46.727	0.028	46.751	0.020
46.778	-0.008	46.803	-0.036	46.828	-0.056	46.848	-0.072
46.874	-0.080	46.899	-0.064	46.919	-0.057	46.946	-0.053

46.975	-0.041	47.005	-0.041	47.030	-0.037	47.057	-0.041
47.082	-0.029	47.108	-0.021	47.133	-0.021	47.156	-0.009
47.181	-0.029	47.202	-0.061	47.218	-0.077	47.238	-0.089
47.263	-0.085	47.289	-0.081	47.309	-0.073	47.324	-0.065
47.341	-0.081	47.360	-0.065	47.375	-0.065	47.401	-0.041
47.434	-0.037	47.458	-0.025	47.480	-0.033	47.503	-0.021
47.530	-0.009	47.551	-0.013	47.577	-0.025	47.603	-0.037
47.634	-0.057	47.658	-0.073	47.679	-0.081	47.700	-0.074
47.723	-0.062	47.748	-0.034	47.767	-0.018	47.788	-0.010
47.811	-0.006	47.833	0.006	47.858	0.006	47.882	0.005
47.908	-0.003	47.929	0.005	47.950	0.001	47.967	0.013
47.984	-0.003	48.001	-0.011	48.019	-0.023	48.034	-0.019
48.046	-0.027	48.064	-0.015	48.084	-0.023	48.106	-0.023
48.121	-0.019	48.146	-0.007	48.174	0.005	48.201	0.018
48.226	0.010	48.252	0.030	48.268	0.006	48.302	0.006
48.330	0.017	48.347	0.005	48.374	0.013	48.392	0.021
48.410	0.021	48.433	0.009	48.455	-0.003	48.476	-0.019
48.498	-0.043	48.519	-0.059	48.538	-0.067	48.561	-0.064
48.582	-0.052	48.604	-0.037	48.626	-0.037	48.648	-0.030
48.673	-0.026	48.695	-0.027	48.718	-0.031	48.742	-0.035
48.764	-0.036	48.780	-0.028	48.804	-0.033	48.830	-0.033
48.853	-0.026	48.871	-0.034	48.890	-0.062	48.909	-0.059
48.923	-0.075	48.944	-0.075	48.970	-0.068	48.990	-0.064
49.009	-0.049	49.037	-0.033	49.061	-0.018	49.088	-0.002
49.113	0.002	49.132	-0.007	49.157	0.001	49.182	0.005
49.206	-0.004	49.232	-0.008	49.258	-0.008	49.274	-0.008
49.301	-0.017	49.320	-0.021	49.341	-0.029	49.365	-0.021
49.390	-0.010	49.410	0.006	49.427	0.010	49.453	0.017
49.477	0.013	49.499	0.020	49.518	0.032	49.545	0.028
49.563	0.019	49.586	0.003	49.609	-0.002	49.628	-0.002
49.647	-0.022	49.670	-0.027	49.689	-0.015	49.705	-0.016
49.723	-0.004	49.740	0.004	49.755	0.007	49.771	-0.009
49.783	-0.017	49.793	-0.017	49.807	-0.037	49.821	-0.041
49.834	-0.050	49.845	-0.074	49.863	-0.078	49.876	-0.070
49.892	-0.058	49.912	-0.051	49.929	-0.027	49.948	-0.027
49.962	-0.020	49.984	-0.032	50.005	-0.032	50.025	-0.040
50.046	-0.052	50.070	-0.061	50.098	-0.057	50.123	-0.049
50.152	-0.033	50.166	-0.033	50.186	-0.049	50.213	-0.050
50.234	-0.054	50.255	-0.066	50.274	-0.078	50.286	-0.066
50.298	-0.058	50.313	-0.066	50.328	-0.062	50.344	-0.078
50.363	-0.074	50.382	-0.062	50.402	-0.047	50.424	-0.035
50.450	-0.031	50.471	-0.031	50.494	-0.047	50.521	-0.043
50.547	-0.051	50.563	-0.051	50.583	-0.055	50.609	-0.040
50.632	-0.012	50.650	-0.000	50.665	0.004	50.685	-0.004
50.703	-0.017	50.725	-0.037	50.741	-0.037	50.761	-0.053
50.786	-0.029	50.809	-0.006	50.832	0.013	50.855	0.029
50.873	0.032	50.893	0.012	50.912	-0.012	50.931	-0.025
50.951	-0.041	50.969	-0.038	50.991	-0.030	51.007	-0.011
51.024	0.001	51.040	0.017	51.059	0.021	51.073	0.016
51.093	0.004	51.115	-0.020	51.139	-0.032	51.163	-0.052
51.183	-0.061	51.209	-0.041	51.232	-0.037	51.258	-0.018
51.282	-0.014	51.310	-0.018	51.330	-0.021	51.352	-0.029
51.385	-0.033	51.411	-0.041	51.439	-0.040	51.467	-0.048
51.494	-0.060	51.520	-0.068	51.550	-0.077	51.581	-0.085
51.605	-0.089	51.631	-0.101	51.660	-0.097	51.681	-0.081
51.705	-0.066	51.719	-0.070	51.730	-0.070	51.753	-0.054

51.771	-0.034	51.788	-0.030	51.810	-0.027	51.830	-0.043
51.852	-0.043	51.877	-0.055	51.895	-0.052	51.912	-0.052
51.930	-0.064	51.955	-0.060	51.981	-0.053	52.000	-0.045
52.022	-0.045	52.051	-0.038	52.072	-0.022	52.093	-0.006
52.117	0.010	52.141	0.010	52.167	0.014	52.201	0.010
52.230	-0.002	52.253	-0.002	52.269	-0.018	52.295	-0.018
52.317	-0.018	52.345	-0.018	52.372	-0.022	52.393	-0.022
52.414	-0.006	52.442	0.001	52.467	0.009	52.487	0.013
52.510	0.021	52.532	0.009	52.563	-0.015	52.595	-0.039
52.616	-0.032	52.637	-0.048	52.665	-0.044	52.688	-0.040
52.718	-0.064	52.744	-0.079	52.767	-0.089	52.800	-0.080
52.830	-0.059	52.860	-0.050	52.893	-0.048	52.927	-0.051
52.954	-0.037	52.973	-0.045	52.981	-0.044	52.993	-0.045
53.003	-0.046	53.012	-0.047	53.023	-0.047	53.032	-0.045
53.044	-0.041	53.058	-0.041	53.073	-0.042	53.087	-0.042
53.097	-0.037	53.110	-0.037	53.121	-0.037	53.133	-0.048
53.144	-0.048	53.156	-0.048	53.170	-0.052	53.184	-0.051
53.192	-0.051	53.203	-0.043	53.217	-0.039	53.226	-0.034
53.241	-0.022	53.255	-0.018	53.266	-0.006	53.279	0.002
53.290	0.010	53.302	0.014	53.311	0.015	53.326	0.023
53.342	0.023	53.358	0.027	53.375	0.031	53.390	0.035
53.404	0.039	53.417	0.047	53.431	0.051	53.444	0.059
53.454	0.059	53.466	0.051	53.476	0.051	53.489	0.043
53.503	0.043	53.519	0.031	53.535	0.015	53.548	0.015
53.566	0.011	53.577	0.007	53.589	0.003	53.602	-0.001
53.615	0.007	53.627	0.015	53.645	0.019	53.662	0.031
53.682	0.039	53.699	0.039	53.711	0.051	53.721	0.059
53.729	0.071	53.742	0.066	53.751	0.058	53.766	0.042
53.776	0.029	53.789	0.021	53.802	0.009	53.813	0.012
53.826	0.011	53.840	0.014	53.851	0.017	53.864	0.021
53.874	0.020	53.889	0.023	53.898	0.018	53.908	0.014
53.929	0.021	53.943	0.025	53.954	0.024	53.963	0.028
53.978	0.024	53.994	0.011	54.011	-0.001	54.019	-0.013
54.030	-0.013	54.044	-0.013	54.055	-0.013	54.071	-0.009
54.092	-0.005	54.107	0.003	54.129	0.011	54.150	0.004
54.160	0.012	54.180	0.012	54.197	0.008	54.211	0.004
54.239	-0.002	54.256	-0.002	54.272	-0.001	54.289	-0.000
54.304	0.004	54.322	0.013	54.336	0.006	54.350	-0.002
54.366	-0.006	54.382	-0.006	54.400	-0.006	54.417	-0.005
54.437	-0.005	54.451	-0.005	54.468	0.007	54.482	0.019
54.498	0.019	54.513	0.023	54.536	0.023	54.551	0.023
54.565	0.027	54.578	0.020	54.594	-0.000	54.610	-0.004
54.626	-0.012	54.637	-0.020	54.647	-0.028	54.661	-0.028
54.677	-0.028	54.691	-0.016	54.702	-0.005	54.711	0.003
54.729	0.002	54.749	0.005	54.766	-0.003	54.774	0.008
54.789	0.020	54.804	0.023	54.824	0.027	54.844	0.026
54.862	0.025	54.882	0.025	54.896	0.020	54.915	0.012
54.932	0.012	54.948	0.003	54.966	0.003	54.982	0.003
55.002	-0.001	55.024	-0.001	55.039	0.003	55.056	0.006
55.071	0.010	55.086	0.010	55.099	0.018	55.113	0.026
55.126	0.022	55.139	0.013	55.154	0.001	55.169	-0.007
55.185	-0.011	55.199	-0.008	55.218	0.008	55.240	0.020
55.257	0.036	55.272	0.044	55.290	0.044	55.314	0.048
55.337	0.040	55.352	0.032	55.368	0.028	55.388	0.028
55.405	0.032	55.434	0.037	55.453	0.037	55.469	0.033
55.486	0.028	55.500	0.024	55.519	0.028	55.527	0.032

55.540	0.040	55.554	0.048	55.565	0.032	55.582	0.020
55.596	0.008	55.609	0.007	55.620	0.007	55.635	0.015
55.650	0.031	55.666	0.047	55.675	0.055	55.683	0.054
55.691	0.062	55.702	0.058	55.714	0.050	55.724	0.030
55.733	0.022	55.743	0.022	55.752	0.025	55.764	0.021
55.782	0.013	55.793	0.005	55.807	-0.004	55.821	-0.009
55.832	-0.018	55.847	-0.011	55.866	-0.008	55.882	0.003
55.901	0.014	55.913	0.017	55.927	0.020	55.938	0.015
55.953	0.009	55.972	0.016	55.985	0.023	56.001	0.027
56.015	0.026	56.026	0.018	56.035	0.009	56.054	0.010
56.072	0.011	56.083	0.012	56.088	0.016	56.098	0.009
56.110	0.002	56.126	-0.000	56.141	-0.007	56.157	-0.006
56.167	-0.018	56.182	-0.009	56.200	-0.001	56.214	0.004
56.230	0.005	56.244	0.006	56.259	0.003	56.269	-0.009
56.283	-0.008	56.294	-0.008	56.306	-0.004	56.314	0.004
56.327	0.012	56.346	0.012	56.366	0.007	56.380	0.007
56.403	0.015	56.421	0.018	56.434	0.010	56.454	-0.006
56.463	-0.022	56.472	-0.026	56.485	-0.027	56.506	-0.015
56.523	0.000	56.538	0.004	56.555	0.008	56.575	-0.000
56.592	-0.001	56.613	0.003	56.627	-0.001	56.645	0.007
56.665	0.011	56.680	0.015	56.695	0.015	56.709	0.011
56.727	0.011	56.750	0.012	56.769	0.016	56.783	0.024
56.795	0.033	56.804	0.025	56.819	0.024	56.838	0.026
56.849	0.030	56.863	0.036	56.880	0.035	56.893	0.033
56.902	0.016	56.917	0.011	56.939	0.010	56.954	0.009
56.974	0.005	56.998	0.004	57.019	0.008	57.027	0.025
57.039	0.025	57.050	0.037	57.058	0.041	57.070	0.038
57.085	0.034	57.100	0.030	57.120	0.023	57.136	0.015
57.150	0.007	57.166	0.007	57.177	0.003	57.191	0.012
57.209	0.012	57.227	0.016	57.241	0.025	57.262	0.038
57.280	0.034	57.300	0.027	57.318	0.016	57.335	0.004
57.350	0.001	57.362	-0.003	57.371	-0.011	57.377	-0.010
57.390	-0.010	57.406	-0.002	57.419	0.010	57.432	0.022
57.444	0.038	57.453	0.058	57.459	0.058	57.468	0.058
57.483	0.058	57.497	0.049	57.512	0.033	57.526	0.008
57.539	-0.000	57.550	-0.004	57.569	-0.005	57.586	-0.005
57.600	-0.002	57.619	-0.002	57.631	0.010	57.643	0.009
57.656	0.021	57.672	0.021	57.690	0.025	57.709	0.026
57.720	0.014	57.732	0.006	57.743	0.003	57.752	-0.005
57.762	-0.012	57.779	-0.012	57.793	-0.008	57.809	-0.000
57.819	0.011	57.829	0.015	57.838	0.019	57.852	0.022
57.864	0.022	57.873	0.018	57.887	0.001	57.902	0.001
57.918	0.001	57.938	0.001	57.955	0.002	57.974	0.002
57.996	0.004	58.002	0.004	58.013	0.005	58.022	0.009
58.039	0.010	58.052	0.011	58.067	0.007	58.085	0.003
58.100	0.008	58.119	0.009	58.135	0.017	58.149	0.018
58.160	0.018	58.177	0.026	58.195	0.030	58.211	0.033
58.231	0.037	58.249	0.024	58.271	0.008	58.277	-0.000
58.291	-0.009	58.305	-0.005	58.329	-0.001	58.344	0.007
58.362	0.015	58.376	0.019	58.387	0.023	58.401	0.026
58.414	0.026	58.428	0.026	58.440	0.026	58.451	0.018
58.461	0.014	58.470	0.002	58.484	-0.007	58.498	-0.007
58.514	-0.007	58.525	-0.011	58.532	-0.011	58.546	-0.010
58.565	-0.010	58.583	-0.006	58.595	-0.006	58.607	-0.007
58.625	-0.008	58.642	-0.005	58.658	-0.005	58.675	-0.006
58.689	-0.007	58.701	-0.008	58.714	-0.008	58.720	-0.009

58.730	-0.009	58.740	-0.006	58.758	-0.002	58.774	0.001
58.795	0.009	58.810	0.009	58.829	0.009	58.843	0.009
58.857	0.000	58.866	-0.008	58.869	-0.008	58.879	-0.013
58.892	-0.021	58.902	-0.022	58.922	-0.019	58.931	-0.019
58.942	-0.016	58.958	-0.005	58.969	-0.006	58.983	0.002
58.997	-0.006	59.007	0.002	59.016	-0.006	59.027	-0.017
59.041	-0.004	59.059	-0.007	59.068	0.002	59.081	0.002
59.091	0.002	59.109	0.003	59.126	0.003	59.144	-0.000
59.161	0.009	59.185	0.013	59.198	0.020	59.212	0.016
59.227	0.007	59.244	-0.001	59.257	-0.009	59.267	-0.013
59.282	-0.014	59.298	-0.014	59.315	-0.015	59.323	-0.015
59.337	-0.024	59.359	-0.021	59.373	-0.021	59.387	-0.014
59.403	-0.007	59.419	0.001	59.437	0.012	59.458	0.012
59.478	0.017	59.494	0.025	59.512	0.027	59.531	0.028
59.546	0.025	59.568	0.027	59.585	0.031	59.604	0.027
59.615	0.027	59.633	0.027	59.637	0.023	59.646	0.014
59.663	0.014	59.675	0.013	59.684	0.012	59.698	0.011
59.712	0.007	59.723	0.006	59.736	0.006	59.750	0.005
59.761	0.005	59.775	0.005	59.794	0.008	59.817	0.019
59.834	0.019	59.854	0.018	59.872	0.020	59.890	0.027
59.904	0.030	59.915	0.025	59.931	0.025	59.946	0.018
59.965	0.010	59.976	0.006	59.990	-0.005	60.009	-0.013
60.023	-0.013	60.035	-0.013	60.056	-0.013	60.073	-0.013
60.093	-0.012	60.108	-0.012	60.120	-0.019	60.129	-0.015
60.152	-0.014	60.176	0.004	60.184	0.012	60.199	0.018
60.208	0.018	60.215	0.007	60.238	0.010	60.255	0.011
60.271	0.012	60.287	0.013	60.306	0.017	60.321	0.017
60.341	0.006	60.355	0.005	60.374	0.004	60.393	0.011
60.413	0.011	60.430	0.010	60.450	0.010	60.472	0.009
60.491	0.005	60.506	-0.007	60.522	-0.023	60.536	-0.018
60.555	-0.010	60.572	0.006	60.582	0.010	60.599	0.022
60.621	0.027	60.646	0.027	60.666	0.027	60.691	0.027
60.707	0.019	60.726	0.007	60.746	0.011	60.767	0.003
60.782	0.003	60.803	0.011	60.826	0.023	60.840	0.023
60.850	0.011	60.870	0.011	60.894	0.015	60.903	0.015
60.920	0.015	60.935	0.011	60.950	0.011	60.960	0.003
60.978	0.003	60.991	0.007	61.006	0.011	61.022	0.015
61.037	0.015	61.053	0.023	61.063	0.027	61.077	0.039
61.100	0.039	61.110	0.039	61.121	0.039	61.133	0.043
61.140	0.047	61.151	0.039	61.164	0.039	61.178	0.035
61.190	0.019	61.206	0.015	61.220	0.015	61.234	0.011
61.255	0.010	61.265	0.018	61.280	0.026	61.289	0.030
61.301	0.045	61.309	0.053	61.317	0.048	61.333	0.036
61.352	0.031	61.368	0.030	61.379	0.029	61.398	0.016
61.412	0.012	61.433	0.011	61.450	0.011	61.463	0.011
61.476	0.023	61.497	0.031	61.512	0.047	61.521	0.035
61.538	0.035	61.552	0.035	61.564	0.023	61.579	0.023
61.593	0.007	61.609	0.007	61.633	0.007	61.653	0.004
61.676	0.004	61.693	0.000	61.711	-0.008	61.729	-0.012
61.743	-0.016	61.763	-0.020	61.781	-0.021	61.798	-0.019
61.810	-0.016	61.825	-0.009	61.834	-0.033	61.851	-0.034
61.870	-0.030	61.887	-0.013	61.908	-0.013	61.921	-0.001
61.933	0.007	61.948	-0.001	61.965	-0.001	61.956	-0.001
61.999	-0.013	62.017	-0.009	62.036	-0.005	62.051	-0.006
62.062	-0.010	62.080	-0.011	62.093	-0.012	62.106	-0.021
62.123	-0.022	62.135	-0.019	62.142	-0.027	62.162	-0.024

62.182	-0.021	62.194	-0.013	62.211	-0.008	62.227	-0.007
62.240	-0.011	62.257	-0.010	62.271	-0.017	62.290	-0.007
62.308	0.003	62.324	0.020	62.340	0.021	62.361	0.027
62.373	0.032	62.389	0.033	62.398	0.030	62.412	0.022
62.431	0.023	62.443	0.023	62.460	0.023	62.480	0.022
62.504	0.022	62.523	0.021	62.537	0.020	62.554	0.031
62.574	0.038	62.594	0.036	62.616	0.039	62.638	0.042
62.659	0.037	62.672	0.032	62.689	0.020	62.696	0.012
62.711	0.011	62.722	0.019	62.735	0.023	62.749	0.031
62.763	0.031	62.783	0.031	62.800	0.027	62.820	0.019
62.837	0.015	62.846	0.007	62.854	0.007	62.871	0.007
62.887	0.003	62.902	-0.005	62.920	-0.013	62.930	-0.017
62.946	-0.017	62.963	-0.017	62.980	-0.009	62.997	-0.005
63.015	0.003	63.031	0.011	63.050	0.011	63.069	0.011
63.089	0.015	63.105	0.014	63.121	0.010	63.135	0.006
63.152	-0.002	63.175	-0.003	63.189	0.005	63.202	0.008
63.223	0.008	63.242	0.003	63.254	0.007	63.268	0.006
63.279	0.002	63.291	-0.010	63.308	-0.010	63.322	-0.010
63.331	-0.013	63.346	-0.017	63.359	-0.020	63.372	-0.023
63.388	-0.023	63.407	-0.023	63.426	-0.003	63.441	0.005
63.456	0.000	63.471	-0.005	63.491	-0.006	63.514	-0.003
63.529	-0.008	63.535	-0.008	63.550	-0.004	63.566	0.003
63.582	0.006	63.594	0.010	63.609	0.014	63.619	0.014
63.630	0.022	63.646	0.026	63.660	0.026	63.672	0.027
63.683	0.020	63.697	0.016	63.709	0.005	63.718	0.005
63.721	0.006	63.726	0.006	63.735	0.006	63.761	0.003
63.789	0.000	63.816	0.017	63.838	0.033	63.870	0.046
63.897	0.043	63.918	0.027	63.947	0.028	63.967	0.037
63.995	0.037	64.020	0.038	64.055	0.030	64.088	0.038
64.112	0.038	64.141	0.038	64.160	0.018	64.192	0.007
64.214	0.011	64.243	0.019	64.279	0.023	64.302	0.027
64.327	0.027	64.347	0.027	64.383	0.027	64.424	0.011
64.450	0.003	64.476	-0.001	64.506	-0.002	64.532	-0.010
64.562	-0.010	64.585	-0.007	64.614	-0.011	64.643	-0.019
64.660	-0.024	64.687	-0.012	64.709	-0.005	64.736	0.003
64.762	0.014	64.779	0.018	64.800	0.013	64.811	0.013
64.837	-0.011	64.864	-0.019	64.893	-0.024	64.913	-0.020
64.944	-0.009	64.972	0.007	65.000	0.019	65.016	0.026
65.038	0.018	65.060	0.018	65.080	0.018	65.102	0.025
65.126	0.029	65.150	0.029	65.185	0.024	65.210	0.024
65.231	0.024	65.251	0.016	65.266	0.011	65.289	0.015
65.307	0.015	65.328	0.015	65.351	0.014	65.377	0.014
65.400	0.022	65.430	0.033	65.456	0.037	65.480	0.037
65.507	0.033	65.524	0.032	65.562	0.024	65.589	0.024
65.624	0.024	65.655	0.012	65.680	0.003	65.703	-0.005
65.722	0.003	65.747	-0.001	65.762	0.007	65.787	0.019
65.812	0.023	65.840	0.023	65.862	0.023	65.891	0.019
65.916	0.019	65.940	0.019	65.970	0.019	66.018	0.020
66.048	0.016	66.070	0.012	66.089	-0.000	66.110	-0.016
66.148	-0.028	66.176	-0.020	66.200	0.000	66.229	0.012
66.267	0.021	66.300	0.025	66.335	0.030	66.357	0.026
66.376	0.022	66.404	0.015	66.429	0.015	66.456	0.007
66.481	0.004	66.505	0.000	66.525	0.008	66.554	0.005
66.578	0.005	66.610	0.006	66.640	0.026	66.670	0.031
66.690	0.031	66.712	0.035	66.739	0.036	66.760	0.028
66.787	0.025	66.818	0.017	66.843	0.013	66.877	0.005

66.909	-0.003	66.933	-0.003	66.958	-0.003	66.995	-0.003
67.020	0.005	67.044	0.017	67.067	0.029	67.097	0.028
67.114	0.028	67.154	-0.001	67.182	0.003	67.204	0.003
67.232	-0.018	67.266	-0.018	67.292	-0.019	67.317	-0.011
67.352	-0.016	67.374	-0.000	67.399	0.003	67.426	0.011
67.448	0.011	67.482	0.018	67.510	0.026	67.535	0.033
67.556	0.025	67.582	0.021	67.605	0.004	67.625	-0.016
67.653	-0.012	67.676	-0.000	67.704	0.019	67.740	0.047
67.770	0.050	67.779	0.046	67.798	0.022	67.814	0.022
67.838	0.006	67.872	0.025	67.900	0.049	67.927	0.053
67.952	0.049	67.974	0.037	68.004	0.004	68.034	-0.012
68.056	0.000	68.083	0.036	68.108	0.047	68.131	0.023
68.160	0.018	68.182	0.014	68.204	0.002	68.232	0.013
68.260	0.012	68.282	0.036	68.320	0.039	68.346	-0.001
68.370	-0.026	68.395	-0.022	68.430	-0.023	68.459	0.004
68.487	0.007	68.515	0.014	68.546	0.001	68.578	-0.016
68.611	-0.017	68.645	-0.010	68.670	-0.010	68.701	0.009
68.719	0.024	68.739	-0.004	68.762	-0.017	68.796	-0.017
68.827	-0.018	68.858	-0.007	68.886	0.005	68.914	0.016
68.935	0.024	68.958	0.027	68.985	0.031	69.008	0.022
69.033	0.018	69.060	0.017	69.087	0.005	69.113	0.005
69.138	0.012	69.160	0.016	69.199	0.028	69.224	0.028
69.262	0.007	69.289	0.007	69.302	0.015	69.324	0.023
69.358	0.027	69.390	0.031	69.412	0.031	69.434	0.043
69.456	0.035	69.481	0.011	69.504	-0.012	69.534	-0.000
69.562	0.008	69.581	0.008	69.606	0.020	69.637	0.020
69.658	0.020	69.681	0.017	69.711	0.013	69.732	0.009
69.760	0.001	69.780	0.005	69.800	-0.002	69.822	0.006
69.827	0.006	69.854	0.002	69.890	-0.022	69.909	0.002
69.933	-0.005	69.961	-0.009	69.980	-0.005	70.013	-0.005
70.044	0.003	70.067	-0.004	70.095	-0.012	70.116	-0.004
70.144	0.012	70.167	0.008	70.191	-0.016	70.215	-0.004
70.240	0.013	70.278	0.009	70.292	0.005	70.306	0.013
70.326	0.013	70.348	0.033	70.370	0.028	70.393	0.000
70.419	0.012	70.444	0.036	70.469	0.052	70.491	0.051
70.516	0.039	70.537	0.031	70.560	0.035	70.586	0.031
70.613	0.030	70.633	0.026	70.663	0.042	70.690	0.061
70.716	0.041	70.730	0.021	70.755	0.009	70.788	0.024
70.825	0.024	70.841	0.024	70.865	0.047	70.882	0.059
70.907	0.043	70.936	0.019	70.965	0.022	70.994	0.022
71.018	0.026	71.043	0.037	71.062	0.037	71.086	0.037
71.106	0.020	71.133	-0.004	71.157	-0.004	71.179	0.011
71.209	0.023	71.236	0.018	71.264	0.014	71.289	0.002
71.310	-0.007	71.333	-0.007	71.358	-0.007	71.390	0.004
71.424	0.020	71.453	0.016	71.480	0.015	71.503	0.007
71.527	0.007	71.558	-0.009	71.583	-0.013	71.609	0.003
71.639	0.023	71.667	0.027	71.694	0.031	71.719	0.027
71.741	0.023	71.769	0.015	71.795	0.015	71.823	0.027
71.849	0.039	71.885	0.043	71.908	0.039	71.927	0.035
71.963	-0.001	72.001	-0.017	72.034	-0.001	72.067	0.015
72.101	0.035	72.132	0.034	72.160	0.054	72.187	0.066
72.210	0.034	72.238	0.010	72.270	0.005	72.303	0.013
72.323	0.013	72.342	-0.004	72.367	-0.016	72.398	-0.037
72.429	-0.021	72.452	-0.038	72.479	-0.042	72.508	-0.031
72.540	-0.012	72.566	0.020	72.592	0.035	72.614	0.043
72.637	0.014	72.657	-0.014	72.677	-0.042	72.704	-0.023

72.735	-0.003	72.763	0.008	72.786	-0.016	72.818	-0.025
72.844	-0.009	72.875	0.006	72.901	0.030	72.936	0.053
72.964	0.065	72.983	0.073	73.011	0.076	73.036	0.064
73.063	0.036	73.078	0.016	73.112	0.036	73.133	0.040
73.163	0.008	73.188	-0.000	73.215	0.008	73.247	0.020
73.278	0.044	73.318	0.040	73.338	0.048	73.363	0.088
73.394	0.100	73.427	0.044	73.459	0.001	73.484	0.005
73.511	0.001	73.544	-0.031	73.566	-0.031	73.599	0.024
73.621	0.040	73.646	0.032	73.675	-0.012	73.693	-0.036
73.724	0.011	73.750	0.023	73.777	0.034	73.813	0.074
73.843	0.038	73.871	-0.007	73.898	-0.035	73.925	-0.043
73.958	-0.048	73.979	-0.040	74.002	-0.028	74.025	-0.017
74.043	-0.017	74.068	-0.022	74.091	-0.023	74.115	-0.007
74.137	0.008	74.173	0.019	74.192	0.007	74.204	0.002
74.219	0.010	74.238	-0.002	74.250	0.022	74.271	0.022
74.285	0.022	74.297	0.002	74.321	0.002	74.341	0.010
74.355	0.014	74.373	0.006	74.394	0.022	74.411	0.038
74.418	0.046	74.430	0.022	74.442	0.017	74.461	0.029
74.479	0.037	74.489	0.041	74.501	0.029	74.511	0.021
74.527	0.037	74.545	0.045	74.559	0.041	74.576	0.029
74.597	0.012	74.619	0.032	74.640	0.043	74.657	0.051
74.678	0.039	74.690	0.010	74.706	-0.014	74.720	-0.006
74.738	0.017	74.759	0.045	74.773	0.033	74.789	-0.007
74.809	-0.039	74.828	-0.048	74.852	-0.048	74.867	-0.012
74.888	0.015	74.901	0.023	74.918	0.015	74.936	-0.009
74.957	0.002	74.971	0.002	74.991	-0.002	75.018	-0.011
75.041	-0.027	75.056	-0.036	75.077	-0.016	75.092	0.015
75.108	0.023	75.120	0.003	75.137	-0.042	75.157	-0.042
75.167	-0.050	75.194	-0.003	75.211	0.024	75.227	0.012
75.241	-0.021	75.249	-0.049	75.271	-0.042	75.296	-0.042
75.313	-0.043	75.343	-0.044	75.367	-0.029	75.395	-0.022
75.425	-0.010	75.456	-0.007	75.477	-0.011	75.505	0.016
75.524	0.032	75.539	0.032	75.559	0.012	75.577	-0.008
75.608	0.015	75.635	0.031	75.667	0.023	75.691	0.007
75.720	-0.009	75.737	-0.017	75.760	-0.029	75.787	-0.029
75.809	-0.009	75.831	0.011	75.858	0.035	75.878	0.047
75.899	0.054	75.930	0.054	75.948	0.050	75.961	0.030
75.977	0.002	75.995	-0.010	76.031	-0.006	76.054	0.010
76.077	-0.006	76.109	-0.006	76.136	-0.010	76.159	-0.003
76.188	-0.003	76.212	-0.011	76.238	-0.015	76.256	-0.027
76.277	-0.032	76.309	-0.012	76.334	-0.000	76.363	0.012
76.391	0.007	76.417	-0.029	76.439	-0.053	76.461	-0.061
76.486	-0.045	76.513	-0.029	76.541	-0.014	76.573	0.002
76.600	0.002	76.620	-0.010	76.648	-0.026	76.677	-0.030
76.702	-0.025	76.732	0.003	76.755	0.027	76.773	0.047
76.791	0.019	76.810	0.019	76.833	-0.005	76.851	-0.036
76.876	-0.036	76.910	-0.035	76.930	-0.015	76.948	0.006
76.975	0.011	77.006	0.015	77.031	0.016	77.040	0.032
77.083	0.033	77.116	0.030	77.136	0.031	77.162	0.047
77.179	0.059	77.204	0.044	77.223	0.032	77.247	0.008
77.275	-0.019	77.289	-0.039	77.316	-0.039	77.347	-0.011
77.382	0.006	77.409	0.034	77.436	0.041	77.470	0.021
77.498	-0.003	77.519	-0.003	77.541	-0.019	77.567	-0.031
77.595	-0.008	77.618	0.004	77.640	0.012	77.655	0.004
77.677	-0.009	77.703	-0.041	77.729	-0.053	77.761	-0.030
77.789	-0.014	77.821	0.005	77.847	0.025	77.870	0.029

77.891	0.009	77.915	-0.012	77.937	-0.028	77.962	-0.040
77.982	-0.028	78.022	-0.008	78.055	0.003	78.080	0.007
78.108	-0.009	78.129	-0.017	78.148	-0.029	78.168	-0.029
78.202	-0.001	78.227	0.019	78.260	0.039	78.289	0.043
78.307	0.043	78.333	0.019	78.366	-0.001	78.386	-0.013
78.418	-0.002	78.445	0.022	78.462	0.030	78.494	0.030
78.515	0.021	78.543	0.001	78.567	-0.015	78.591	-0.015
78.614	-0.007	78.642	0.028	78.668	0.048	78.703	0.052
78.720	0.044	78.732	0.044	78.745	0.012	78.773	-0.012
78.786	-0.021	78.800	-0.009	78.836	0.003	78.861	0.003
78.896	-0.005	78.932	-0.002	78.952	-0.010	78.972	-0.014
78.993	-0.018	79.016	-0.006	79.040	-0.003	79.068	0.009
79.099	-0.003	79.122	-0.008	79.147	0.000	79.170	-0.000
79.207	-0.017	79.233	-0.025	79.252	-0.025	79.281	-0.009
79.309	-0.010	79.340	-0.018	79.369	-0.018	79.395	-0.010
79.415	0.006	79.437	0.010	79.458	0.006	79.480	0.002
79.504	-0.006	79.539	-0.006	79.563	-0.010	79.589	-0.010
79.598	-0.006	79.627	-0.006	79.663	-0.006	79.695	0.015
79.728	0.015	79.760	0.023	79.794	0.031	79.824	0.020
79.849	0.012	79.879	0.020	79.915	0.024	79.936	0.016
79.959	0.004	79.983	-0.000	80.016	-0.000	80.041	0.008
80.068	0.024	80.094	0.026	80.122	0.019	80.139	0.011
80.161	-0.005	80.186	-0.005	80.231	-0.009	80.267	-0.014
80.301	0.002	80.325	-0.006	80.355	-0.014	80.386	-0.027
80.420	-0.035	80.440	-0.031	80.478	-0.019	80.523	0.004
80.569	-0.000	80.605	-0.017	80.639	-0.021	80.670	-0.022
80.702	-0.015	80.725	0.009	80.750	0.000	80.773	-0.004
80.799	0.007	80.825	0.019	80.850	0.031	80.879	0.014
80.906	0.014	80.923	0.013	80.941	0.005	80.958	0.005
80.977	-0.003	81.000	-0.004	81.031	0.004	81.064	0.007
81.096	0.007	81.126	0.003	81.165	0.003	81.196	0.004
81.229	0.008	81.270	0.012	81.295	0.016	81.323	0.016
81.343	0.013	81.354	-0.003	81.373	-0.007	81.414	-0.007
81.459	-0.007	81.500	0.005	81.534	0.005	81.570	-0.003
81.606	0.005	81.634	0.005	81.651	0.001	81.675	0.001
81.703	0.012	81.724	0.008	81.755	-0.000	81.764	-0.000
81.773	0.020	81.800	0.007	81.819	0.003	81.854	-0.013
81.884	-0.006	81.915	-0.006	81.941	0.006	81.965	0.014
81.995	0.018	82.012	0.009	82.037	0.017	82.058	0.013
82.073	0.013	82.083	0.009	82.107	0.001	82.122	0.013
82.142	0.013	82.166	0.017	82.180	0.001	82.202	0.005
82.224	0.004	82.243	0.012	82.262	0.012	82.283	0.016
82.306	0.012	82.329	-0.004	82.348	0.007	82.366	0.023
82.378	0.023	82.395	0.015	82.410	0.011	82.429	0.010
82.449	0.006	82.477	0.006	82.504	0.009	82.527	0.009
82.554	0.008	82.574	0.004	82.594	-0.012	82.622	-0.021
82.646	-0.021	82.667	-0.017	82.681	-0.009	82.707	-0.014
82.725	-0.018	82.750	-0.006	82.772	0.002	82.781	0.002
82.798	-0.002	82.821	-0.011	82.843	-0.007	82.872	-0.019
82.904	-0.027	82.927	-0.019	82.956	-0.014	82.980	-0.010
83.006	-0.014	83.035	-0.014	83.070	-0.009	83.093	-0.005
83.117	-0.001	83.144	0.007	83.166	0.019	83.181	0.023
83.200	0.020	83.222	0.024	83.249	0.020	83.278	0.024
83.303	0.017	83.321	0.013	83.346	0.017	83.369	0.020
83.387	0.028	83.411	0.024	83.435	0.024	83.460	0.031
83.483	0.039	83.506	0.031	83.524	0.026	83.548	-0.002

83.583	0.009	83.614	0.024	83.647	0.027	83.673	0.022
83.697	0.022	83.729	-0.011	83.756	-0.020	83.783	-0.001
83.808	0.014	83.836	0.006	83.874	0.009	83.899	0.004
83.922	-0.024	83.938	-0.048	83.962	-0.033	83.987	-0.038
84.015	-0.042	84.047	-0.039	84.081	-0.028	84.097	-0.020
84.124	-0.004	84.143	-0.016	84.164	-0.020	84.197	-0.040
84.227	-0.028	84.257	-0.024	84.280	-0.020	84.308	-0.020
84.343	-0.020	84.375	-0.020	84.394	-0.012	84.416	-0.020
84.437	-0.032	84.464	-0.024	84.488	-0.016	84.511	-0.004
84.540	0.004	84.566	0.011	84.587	0.011	84.621	0.003
84.636	-0.013	84.652	-0.005	84.670	-0.005	84.692	0.007
84.708	0.027	84.727	0.027	84.742	0.035	84.756	0.043
84.772	0.043	84.785	0.027	84.798	0.039	84.817	0.027
84.832	0.027	84.848	0.027	84.864	0.031	84.866	0.043
84.909	0.047	84.934	0.047	84.952	0.047	84.979	0.035
84.999	0.043	85.022	0.043	85.046	0.039	85.063	0.027
85.083	0.019	85.109	0.027	85.135	0.043	85.156	0.027
85.174	0.027	85.197	0.015	85.234	0.015	85.260	0.015
85.283	0.015	85.316	0.015	85.345	0.002	85.376	0.006
85.397	0.006	85.445	0.006	85.464	0.002	85.486	-0.003
85.511	-0.016	85.535	-0.000	85.556	-0.005	85.572	-0.010
85.607	-0.011	85.630	-0.012	85.662	-0.013	85.689	-0.010
85.707	0.002	85.731	0.005	85.750	0.004	85.771	0.011
85.792	0.003	85.808	0.003	85.821	0.003	85.839	0.011
85.854	0.011	85.869	0.023	85.888	0.023	85.907	0.015
85.921	0.011	85.935	0.019	85.962	0.019	85.987	0.015
86.006	0.014	86.024	0.014	86.048	0.018	86.068	0.034
86.082	0.018	86.100	0.034	86.118	0.014	86.142	0.023
86.165	0.023	86.184	0.023	86.206	0.019	86.228	0.019
86.253	0.019	86.267	0.031	86.292	0.035	86.321	0.027
86.345	0.027	86.366	0.023	86.388	0.019	86.410	0.019
86.429	0.015	86.444	0.019	86.466	0.007	86.497	0.003
86.520	0.003	86.542	0.007	86.573	0.019	86.598	-0.005
86.627	-0.005	86.660	-0.013	86.681	-0.014	86.697	-0.018
86.728	-0.014	86.755	-0.006	86.790	-0.010	86.817	-0.019
86.845	-0.019	86.873	-0.011	86.905	-0.004	86.933	0.012
86.972	0.016	87.004	0.016	87.038	-0.009	87.065	0.003
87.104	0.003	87.137	0.003	87.170	0.003	87.195	0.011
87.219	0.031	87.254	0.027	87.280	0.019	87.305	0.019
87.326	0.027	87.355	0.027	87.374	0.027	87.399	0.027
87.424	0.038	87.454	0.038	87.474	0.038	87.498	0.026
87.528	0.026	87.563	0.033	87.592	0.033	87.619	0.037
87.649	0.028	87.680	0.016	87.713	0.004	87.739	0.008
87.763	0.007	87.785	0.019	87.811	0.027	87.839	0.027
87.863	0.019	87.882	-0.001	87.910	-0.002	87.938	0.006
87.965	-0.010	87.987	-0.007	88.017	-0.001	88.048	0.005
88.074	0.007	88.098	0.001	88.133	-0.014	88.170	-0.018
88.201	-0.017	88.244	0.003	88.258	-0.005	88.290	0.006
88.320	-0.001	88.353	-0.020	88.387	-0.011	88.417	0.001
88.453	0.007	88.476	0.019	88.507	0.007	88.537	-0.005
88.553	-0.013	88.577	-0.004	88.603	0.012	88.630	0.016
88.652	-0.008	88.677	-0.020	88.697	-0.012	88.716	0.011
88.736	0.023	88.771	0.043	88.792	0.038	88.813	0.006
88.836	-0.010	88.854	-0.002	88.877	0.002	88.901	-0.007
88.931	-0.007	88.958	0.004	88.989	0.024	89.009	0.036
89.038	0.019	89.065	0.003	89.087	-0.022	89.110	-0.050

89.137	-0.039	89.157	-0.019	89.175	0.016	89.199	0.036
89.223	0.015	89.250	-0.021	89.263	-0.017	89.282	-0.001
89.304	-0.005	89.326	-0.021	89.357	-0.021	89.384	-0.033
89.408	-0.009	89.426	-0.009	89.449	0.007	89.479	0.024
89.502	-0.012	89.548	-0.007	89.575	-0.027	89.605	-0.026
89.634	0.006	89.666	0.018	89.696	0.018	89.717	0.006
89.734	-0.021	89.757	-0.033	89.783	-0.021	89.815	0.015
89.850	0.022	89.878	0.014	89.907	0.014	89.934	0.014
89.958	0.014	89.973	0.018	90.002	-0.014	90.020	0.001
90.044	0.025	90.061	0.041	90.082	0.040	90.100	0.012
90.121	0.024	90.138	0.008	90.171	0.019	90.193	0.031
90.203	0.019	90.217	0.039	90.234	0.018	90.255	0.034
90.288	0.022	90.308	0.006	90.338	0.001	90.361	0.021
90.384	0.029	90.416	0.020	90.441	0.020	90.468	0.020
90.490	0.032	90.509	0.004	90.543	-0.004	90.588	-0.001
90.608	-0.021	90.640	-0.033	90.671	-0.013	90.702	0.019
90.722	0.019	90.733	0.007	90.774	0.007	90.799	-0.009
90.819	-0.029	90.865	-0.021	90.889	-0.009	90.930	-0.009
90.974	-0.013	90.998	-0.013	91.035	-0.013	91.066	-0.013
91.086	-0.029	91.120	-0.005	91.151	0.015	91.176	0.019
91.213	0.019	91.246	0.011	91.283	0.011	91.318	0.007
91.350	0.011	91.372	0.019	91.409	0.015	91.443	0.019
91.485	0.023	91.533	0.023	91.576	0.023	91.620	0.034
91.654	0.034	91.680	0.022	91.708	0.010	91.728	0.002
91.764	0.030	91.785	0.018	91.816	0.010	91.850	-0.007
91.882	-0.011	91.917	0.001	91.943	0.008	91.981	0.012
92.017	0.004	92.040	-0.000	92.064	0.008	92.086	-0.000
92.112	-0.001	92.148	-0.005	92.182	0.007	92.217	0.011
92.241	-0.009	92.272	-0.005	92.306	-0.005	92.339	-0.005
92.370	0.011	92.406	0.019	92.448	0.019	92.488	0.014
92.518	0.022	92.557	0.013	92.589	0.013	92.618	0.024
92.649	0.032	92.679	0.039	92.706	0.034	92.736	0.017
92.770	0.004	92.802	0.006	92.833	0.025	92.862	0.044
92.893	0.043	92.929	0.030	92.960	0.018	92.998	0.005
93.038	0.004	93.073	0.007	93.106	0.014	93.138	0.006
93.165	-0.010	93.194	-0.034	93.224	-0.042	93.254	-0.027
93.286	-0.011	93.316	-0.003	93.350	0.001	93.373	0.001
93.403	-0.003	93.439	-0.027	93.466	-0.024	93.495	-0.004
93.534	0.012	93.564	0.004	93.595	-0.020	93.624	-0.012
93.655	0.004	93.691	0.011	93.723	0.019	93.749	0.023
93.770	0.043	93.781	0.031	93.800	0.035	93.817	0.019
93.834	0.023	93.861	0.011	93.899	0.011	93.937	0.011
93.970	0.019	94.005	0.020	94.032	0.020	94.060	0.016
94.093	0.012	94.127	0.011	94.160	0.011	94.199	0.023
94.236	0.011	94.275	0.007	94.313	0.010	94.362	0.009
94.392	0.009	94.417	0.008	94.447	0.007	94.480	0.006
94.531	0.005	94.578	0.005	94.609	0.004	94.637	0.003
94.674	0.003	94.718	-0.010	94.757	-0.015	94.805	-0.004
94.842	0.004	94.895	-0.005	94.930	-0.017	94.969	-0.013
95.007	-0.001	95.048	0.002	95.100	-0.010	95.144	-0.013
95.185	-0.008	95.224	0.017	95.260	0.013	95.307	-0.006
95.331	-0.013	95.375	-0.013	95.406	0.011	95.439	0.011
95.450	0.011	95.464	0.011	95.477	0.019	95.496	0.011
95.517	0.015	95.529	0.007	95.545	0.015	95.567	0.027
95.585	0.023	95.605	0.007	95.622	0.003	95.635	-0.001
95.656	0.003	95.679	-0.001	95.697	-0.005	95.716	-0.005
95.734	-0.005	95.758	0.007	95.787	0.015	95.805	0.019
95.822	0.015	95.841	0.003	95.864	0.007	95.868	0.015
95.915	0.011	95.934	0.007	95.954	0.007	95.976	0.007
95.986	-0.001	96.008	-0.009	96.032	-0.017	96.055	-0.021
96.079	-0.017	96.104	-0.017	96.125	-0.009	96.157	0.007
96.173	-0.013	96.196	-0.009	96.214	-0.001	96.234	-0.009
96.257	0.003	96.286	0.003	96.313	-0.001	96.329	-0.001
96.344	-0.001	96.361	-0.005	96.384	-0.009	96.397	-0.005
96.425	-0.005	96.445	-0.013	96.473	-0.009	96.489	-0.009
96.512	-0.009	96.533	-0.005	96.569	0.011	96.592	0.007
96.615	0.003	96.644	0.007	96.665	0.007	96.689	0.003
96.719	0.007	96.748	-0.001	96.771	0.003	96.799	-0.005
96.818	-0.001	96.829	-0.001	96.862	-0.009	96.890	-0.009
96.916	-0.001	96.944	0.023	96.978	0.011	97.012	0.003
97.043	0.003	97.070	-0.001	97.100	-0.001	97.123	-0.001
97.144	-0.005	97.174	-0.005	97.203	0.000	97.229	-0.010
97.253	-0.012	97.281	0.006	97.324	0.011	97.362	0.015
97.397	0.006	97.427	0.002	97.471	-0.005	97.502	-0.022
97.533	-0.012	97.572	0.002	97.611	0.012	97.661	0.008
97.688	0.001	97.727	0.002	97.755	0.007	97.789	0.015
97.823	-0.005	97.859	-0.001	97.887	-0.001	97.929	0.003
97.968	0.011	98.001	0.011	98.039	0.007	98.083	0.011
98.119	-0.001	98.159	0.003	98.231	0.003	98.266	-0.005
98.308	-0.005	98.348	0.007	98.371	-0.001	98.410	-0.001
98.456	-0.001	98.486	-0.005	98.550	-0.009	98.580	-0.009
98.615	-0.021	98.652	-0.013	98.687	-0.009	98.724	-0.005
98.785	0.003	98.838	0.007	98.872	0.003	98.903	0.007
98.948	-0.001	99.003	0.003	99.041	0.007	99.084	0.011
99.120	0.011	99.168	0.011	99.209	0.015	99.223	0.023
99.242	0.007	99.256	0.023	99.280	0.007	99.294	0.015
99.311	-0.001	99.344	0.003	99.405	0.007	99.448	-0.005
99.492	-0.000	99.530	-0.000	99.572	0.004	99.627	-0.005
99.677	-0.012	99.718	-0.019	99.741	-0.026	99.775	-0.018
99.816	-0.009	99.864	-0.009	99.904	-0.001	99.937	0.003
99.958	0.003	99.987	-0.005	100.019	-0.009	100.054	-0.009
100.092	-0.001	100.127	0.011	100.169	0.011	100.206	0.011
100.238	0.011	100.272	0.023	100.315	0.035	100.348	0.015
100.373	0.027	100.418	0.027	100.443	0.023	100.484	0.019
100.520	0.019	100.558	0.027	100.594	0.027	100.631	0.019
100.661	0.011	100.691	0.011	100.708	0.023	100.741	0.011
100.780	0.019	100.797	0.023	100.824	0.007	100.859	0.006
100.891	0.006	100.927	0.005	100.964	0.005	101.011	0.004
101.058	0.004	101.094	0.003	101.120	0.003	101.144	0.003
101.173	0.002	101.195	-0.002	101.238	-0.010	101.256	-0.003
101.291	0.005	101.326	0.020	101.375	0.020	101.416	0.019
101.456	0.015	101.491	0.014	101.524	0.013	101.544	0.013
101.570	0.013	101.607	0.012	101.692	0.012	101.733	0.010
101.756	0.010	101.790	0.015	101.818	0.016	101.843	0.016
101.868	0.017	101.893	0.017				

IG111
71.031 2/9/71 0600 PST J.P.L., PASADENA, 9TH FLOOR DOWN

6525 POINTS 101.880 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2824 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.737	0.018	-0.909	0.031	-0.649	0.039	-0.271
0.047	0.140	0.056	0.490	0.064	0.805	0.072	0.984
0.082	1.048	0.094	0.929	0.110	0.610	0.122	0.315
0.131	0.164	0.140	-0.127	0.149	-0.466	0.159	-0.788
0.166	-1.004	0.170	-1.083	0.177	-1.131	0.187	-1.055
0.201	-0.657	0.208	-0.310	0.220	0.057	0.234	0.284
0.247	0.435	0.262	0.611	0.288	0.487	0.299	0.145
0.310	-0.062	0.329	-0.150	0.342	-0.305	0.364	-0.289
0.383	-0.500	0.403	-0.138	0.414	0.340	0.424	0.663
0.430	0.787	0.442	0.835	0.452	0.755	0.465	0.476
0.476	0.317	0.486	0.182	0.500	-0.157	0.515	-0.356
0.526	-0.388	0.541	-0.722	0.553	-0.997	0.561	-1.053
0.573	-0.985	0.586	-0.582	0.596	-0.136	0.606	0.227
0.617	0.613	0.628	0.952	0.634	1.251	0.646	1.418
0.658	1.028	0.667	0.598	0.679	0.084	0.690	-0.374
0.697	-0.773	0.709	-1.079	0.715	-1.290	0.725	-1.358
0.739	-1.183	0.760	-0.644	0.771	-0.174	0.783	0.440
0.794	0.703	0.808	0.930	0.820	1.149	0.833	1.388
0.845	1.134	0.852	0.930	0.859	0.448	0.869	0.030
0.877	-0.348	0.887	-0.595	0.898	-0.707	0.908	-0.631
0.923	-0.412	0.936	-0.236	0.948	0.106	0.957	0.365
0.966	0.429	0.979	0.322	0.988	0.190	1.001	-0.041
1.015	-0.041	1.030	-0.144	1.053	0.067	1.065	-0.172
1.080	-0.423	1.092	-0.439	1.111	-0.315	1.127	-0.327
1.139	-0.231	1.150	0.028	1.162	0.323	1.173	0.494
1.184	0.622	1.194	0.642	1.202	0.570	1.214	0.223
1.224	-0.036	1.229	-0.087	1.240	0.068	1.256	0.168
1.269	0.251	1.290	0.311	1.299	0.303	1.311	0.363
1.326	0.399	1.348	0.260	1.371	-0.262	1.393	-0.629
1.408	-0.565	1.420	-0.629	1.433	-0.605	1.448	-0.613
1.466	-0.337	1.483	0.065	1.498	0.332	1.513	0.360
1.523	0.544	1.536	0.695	1.550	0.432	1.558	0.094
1.570	-0.229	1.582	-0.572	1.592	-0.823	1.601	-1.014
1.620	-0.703	1.632	-0.328	1.646	0.003	1.662	0.338
1.673	0.680	1.686	1.123	1.695	1.497	1.697	1.649
1.709	1.796	1.718	1.585	1.729	1.071	1.736	0.537
1.741	0.151	1.745	-0.232	1.750	-0.590	1.756	-0.834
1.765	-0.985	1.779	-0.961	1.793	-1.045	1.807	-0.877
1.819	-0.642	1.826	-0.267	1.835	0.151	1.841	0.462
1.845	0.721	1.853	1.068	1.860	1.303	1.870	1.410

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
1.879	1.211	1.887	0.797	1.896	0.311	1.902	-0.132
1.907	-0.339	1.914	-0.662	1.920	-0.901	1.931	-1.148
1.942	-1.347	1.949	-1.315	1.959	-1.383	1.973	-1.211
1.982	-1.036	1.990	-0.709	1.996	-0.371	2.001	-0.044
2.006	0.335	2.013	0.705	2.019	1.060	2.024	1.450
2.030	1.761	2.036	1.988	2.045	2.132	2.054	1.889
2.059	1.630	2.062	1.363	2.067	1.012	2.076	0.367
2.085	-0.108	2.088	-0.486	2.093	-0.769	2.098	-1.084
2.102	-1.303	2.105	-1.454	2.112	-1.642	2.121	-1.773
2.130	-1.606	2.139	-1.287	2.142	-1.064	2.148	-0.793
2.153	-0.470	2.159	-0.187	2.163	0.116	2.170	0.414
2.174	0.649	2.181	1.008	2.189	1.279	2.193	1.438
2.201	1.530	2.216	1.223	2.225	0.877	2.237	0.414
2.247	0.060	2.257	-0.132	2.265	-0.211	2.279	-0.542
2.287	-0.669	2.300	-0.610	2.309	-0.773	2.321	-0.797
2.336	-0.446	2.347	0.008	2.353	0.279	2.360	0.510
2.365	0.717	2.376	0.776	2.387	0.561	2.395	0.162
2.400	-0.260	2.407	-0.639	2.412	-0.886	2.421	-1.074
2.431	-1.189	2.444	-0.978	2.451	-0.433	2.457	0.077
2.464	0.699	2.470	1.205	2.478	1.631	2.485	1.886
2.501	2.108	2.509	1.948	2.518	1.565	2.522	0.951
2.527	0.501	2.530	0.050	2.533	-0.336	2.536	-0.619
2.540	-0.910	2.542	-1.197	2.552	-1.393	2.567	-1.099
2.573	-0.868	2.580	-0.697	2.592	-0.921	2.601	-1.125
2.615	-0.791	2.624	-0.222	2.633	0.276	2.642	0.861
2.648	1.235	2.661	1.418	2.673	1.118	2.680	0.616
2.689	-0.003	2.700	-0.430	2.707	-0.848	2.713	-1.108
2.723	-1.348	2.740	-1.014	2.762	-0.645	2.773	-0.223
2.790	0.142	2.805	0.743	2.815	1.364	2.825	1.611
2.834	1.387	2.843	1.076	2.853	0.577	2.863	0.454
2.871	0.445	2.890	-0.157	2.899	-0.663	2.910	-1.118
2.915	-1.420	2.924	-1.636	2.932	-1.536	2.944	-0.939
2.953	-0.497	2.962	-0.039	2.968	0.308	2.973	0.627
2.985	0.834	3.000	0.595	3.010	0.448	3.025	0.764
3.029	1.051	3.030	1.051	3.039	1.218	3.047	0.916
3.058	0.314	3.067	-0.152	3.078	-0.486	3.094	-0.466
3.109	-0.322	3.124	-0.194	3.134	-0.062	3.142	-0.014
3.153	-0.106	3.165	-0.396	3.178	-0.611	3.189	-0.539
3.206	-0.140	3.218	0.035	3.231	0.123	3.247	-0.171
3.260	-0.450	3.274	-0.124	3.280	0.267	3.289	0.765

3.297	1.064	3.307	1.359	3.313	1.558	3.325	1.693
3.344	1.415	3.354	0.952	3.360	0.634	3.369	0.104
3.377	-0.410	3.385	-0.964	3.392	-1.530	3.396	-1.917
3.401	-2.263	3.406	-2.538	3.416	-2.694	3.425	-2.427
3.433	-2.016	3.438	-1.606	3.446	-1.116	3.454	-0.574
3.459	-0.124	3.465	0.418	3.472	0.920	3.475	1.411
3.483	1.885	3.490	2.247	3.500	2.410	3.508	2.343
3.519	1.928	3.530	1.493	3.539	0.875	3.546	0.165
3.554	-0.366	3.561	-0.841	3.566	-1.205	3.578	-1.501
3.587	-1.682	3.598	-1.526	3.604	-1.436	3.609	-1.457
3.628	-1.059	3.636	-0.926	3.647	-0.355	3.660	0.280
3.675	0.943	3.686	1.209	3.694	1.391	3.708	1.655
3.717	1.579	3.731	0.808	3.743	0.299	3.754	0.129
3.768	-0.491	3.778	-0.939	3.802	-1.309	3.817	-0.972
3.836	-0.362	3.847	0.220	3.862	0.510	3.880	0.292
3.904	0.397	3.926	0.243	3.940	0.288	3.951	0.190
3.966	-0.327	3.977	-0.727	3.982	-0.779	3.990	-0.724
4.003	-0.394	4.011	0.171	4.018	0.676	4.024	1.166
4.030	1.580	4.041	1.854	4.058	1.359	4.070	0.656
4.083	-0.098	4.098	-0.509	4.110	-0.489	4.126	-0.848
4.135	-1.339	4.143	-2.049	4.153	-2.539	4.162	-2.743
4.180	-2.110	4.191	-1.473	4.199	-0.716	4.206	-0.251
4.217	0.465	4.229	0.843	4.236	0.953	4.246	1.028
4.258	1.509	4.266	1.827	4.277	2.018	4.288	1.790
4.294	1.248	4.300	0.721	4.305	0.175	4.313	-0.383
4.318	-0.837	4.322	-0.988	4.335	-1.235	4.349	-0.963
4.357	-0.532	4.368	0.050	4.373	0.365	4.379	0.569
4.389	0.649	4.401	0.712	4.417	0.864	4.433	1.040
4.443	0.888	4.457	0.294	4.465	-0.409	4.472	-0.913
4.482	-1.424	4.493	-1.592	4.504	-1.606	4.518	-1.419
4.533	-0.845	4.540	-0.375	4.552	0.103	4.565	0.357
4.578	-0.003	4.587	-0.279	4.591	-0.300	4.599	-0.253
4.616	0.203	4.627	0.756	4.642	1.334	4.648	1.590
4.660	1.842	4.671	1.520	4.679	1.059	4.689	0.501
4.701	-0.084	4.712	-0.531	4.719	-0.883	4.730	-1.057
4.745	-0.732	4.754	-0.003	4.765	0.668	4.772	0.894
4.784	0.867	4.798	0.498	4.804	0.182	4.810	-0.128
4.813	-0.275	4.822	-0.573	4.833	-0.734	4.849	-0.732
4.869	-0.133	4.880	0.194	4.887	0.293	4.900	0.011
4.909	-0.388	4.925	-0.967	4.942	-0.748	4.955	-0.810
4.966	-0.749	4.986	-0.165	4.996	0.563	5.005	1.189
5.010	1.621	5.022	1.957	5.032	1.769	5.039	1.331
5.049	1.060	5.065	1.052	5.078	1.396	5.088	1.578
5.103	1.417	5.113	1.066	5.121	0.472	5.127	-0.062
5.133	-0.589	5.141	-1.195	5.151	-1.784	5.162	-2.238
5.178	-2.626	5.191	-2.302	5.201	-1.640	5.211	-0.914
5.223	-0.193	5.235	0.273	5.245	0.492	5.258	0.279
5.271	0.129	5.291	0.295	5.302	0.272	5.320	0.501
5.335	0.743	5.346	0.685	5.362	0.751	5.378	0.049
5.399	0.027	5.415	-0.232	5.436	0.443	5.446	0.571
5.454	0.827	5.465	0.935	5.481	0.574	5.492	0.300
5.503	-0.074	5.514	-0.714	5.520	-1.180	5.526	-1.657
5.531	-2.006	5.538	-2.199	5.554	-1.229	5.566	-0.285
5.577	0.221	5.597	0.441	5.609	-0.015	5.618	-0.457
5.624	-0.745	5.635	-0.660	5.652	0.105	5.658	0.521
5.665	1.096	5.673	1.492	5.685	1.536	5.701	2.081

5.714	2.287	5.726	2.182	5.737	1.795	5.745	1.081
5.751	0.534	5.759	-0.269	5.773	-1.132	5.785	-1.532
5.802	-1.384	5.810	-1.357	5.825	-1.091	5.834	-1.055
5.848	-0.881	5.854	-0.733	5.895	-0.601	5.913	0.066
5.924	0.545	5.933	0.823	5.951	0.336	5.961	-0.177
5.969	-0.291	5.982	-0.166	5.995	-0.201	6.016	0.432
6.026	0.648	6.033	0.688	6.056	0.866	6.073	0.749
6.091	0.611	6.109	0.339	6.135	0.276	6.149	-0.113
6.157	-0.330	6.167	-0.400	6.182	-0.874	6.189	-1.102
6.201	-1.145	6.214	-0.928	6.227	-0.150	6.240	0.648
6.250	0.937	6.259	0.975	6.275	0.620	6.283	0.344
6.292	0.255	6.303	-0.172	6.315	-0.643	6.319	-0.851
6.330	-1.119	6.342	-0.793	6.352	-0.336	6.363	-0.292
6.383	0.375	6.398	0.874	6.410	1.110	6.426	1.537
6.435	1.590	6.450	1.491	6.467	0.903	6.476	0.301
6.483	-0.210	6.491	-0.849	6.500	-1.453	6.508	-1.717
6.526	-1.657	6.542	-1.765	6.566	-1.105	6.588	-0.385
6.602	0.351	6.617	1.034	6.634	1.239	6.641	1.186
6.651	1.189	6.665	0.762	6.682	-0.224	6.692	-0.713
6.700	-0.883	6.708	-0.881	6.724	-1.002	6.738	-0.939
6.758	-0.425	6.775	0.096	6.788	0.421	6.796	0.467
6.817	0.159	6.833	-0.018	6.855	0.419	6.869	0.585
6.877	0.717	6.890	0.695	6.905	0.335	6.931	-0.019
6.947	-0.396	6.959	-0.566	6.970	-0.541	6.981	-0.651
6.998	-0.402	7.007	-0.390	7.026	-0.187	7.042	-0.171
7.054	-0.088	7.068	-0.064	7.089	0.103	7.099	0.079
7.120	0.477	7.130	0.676	7.151	0.408	7.169	-0.074
7.180	-0.421	7.193	-0.563	7.209	-0.684	7.227	-0.514
7.242	-0.018	7.255	0.304	7.268	0.400	7.286	0.469
7.304	0.375	7.313	0.206	7.325	0.126	7.335	-0.039
7.344	-0.232	7.363	-0.020	7.377	0.152	7.387	0.204
7.404	0.070	7.413	-0.105	7.425	-0.236	7.457	0.184
7.476	0.458	7.494	0.568	7.507	0.439	7.521	-0.144
7.533	-0.724	7.541	-1.051	7.553	-1.224	7.566	-1.154
7.585	-0.607	7.597	-0.322	7.609	0.071	7.621	0.368
7.641	0.556	7.656	0.543	7.682	0.349	7.709	0.132
7.726	-0.219	7.736	-0.538	7.754	-0.702	7.766	-0.881
7.778	-0.870	7.798	-0.508	7.817	0.149	7.829	0.789
7.838	1.271	7.844	1.571	7.861	1.794	7.876	1.468
7.888	0.916	7.900	0.282	7.911	-0.293	7.920	-0.691
7.929	-1.016	7.941	-1.279	7.956	-1.181	7.974	-1.393
7.991	-1.011	8.019	0.246	8.037	0.982	8.053	1.316
8.067	1.168	8.087	0.410	8.099	-0.458	8.109	-0.851
8.119	-1.033	8.143	-0.903	8.172	-0.256	8.182	-0.063
8.195	-0.020	8.221	0.239	8.236	0.229	8.248	0.390
8.267	0.452	8.283	0.342	8.299	-0.190	8.308	-0.361
8.328	-0.838	8.343	-1.048	8.364	-1.043	8.385	-0.201
8.397	0.553	8.413	1.411	8.421	1.854	8.430	2.039
8.444	1.827	8.459	1.264	8.478	0.406	8.491	-0.265
8.507	-0.601	8.534	-0.507	8.548	-0.364	8.569	-0.277
8.613	-0.042	8.630	0.120	8.636	0.204	8.647	0.213
8.662	0.322	8.676	0.096	8.698	-0.429	8.715	-0.684
8.728	-0.779	8.744	-0.660	8.761	-0.670	8.771	0.472
8.779	0.600	8.798	0.687	8.814	0.669	8.828	0.576
8.839	0.619	8.850	0.725	8.870	0.791	8.888	0.706
8.898	0.605	8.919	-0.127	8.934	-0.540	8.945	-0.812

8.954	-0.901	8.968	-0.840	8.996	0.018	9.013	0.806
9.028	1.131	9.042	0.971	9.064	0.228	9.074	-0.147
9.082	-0.208	9.095	-0.106	9.118	0.320	9.131	0.568
9.141	0.630	9.162	0.183	9.177	-0.016	9.189	-0.254
9.196	-0.502	9.209	-0.792	9.214	-0.821	9.224	-0.784
9.242	-0.480	9.261	-0.192	9.276	0.002	9.294	0.144
9.312	0.042	9.343	0.072	9.374	-0.283	9.402	-0.618
9.441	-0.115	9.457	0.276	9.476	0.348	9.495	0.743
9.516	1.042	9.544	0.540	9.567	-0.185	9.582	-0.667
9.597	-0.842	9.626	-0.370	9.649	0.089	9.666	0.576
9.682	0.784	9.700	0.514	9.713	0.204	9.727	-0.266
9.746	-0.695	9.764	-0.908	9.792	-0.543	9.813	-0.083
9.833	0.577	9.851	0.899	9.867	0.953	9.884	0.788
9.905	0.226	9.926	-0.306	9.939	-0.679	9.958	-0.804
9.973	-0.599	9.987	-0.212	10.005	0.298	10.019	0.490
10.034	0.526	10.053	0.260	10.070	-0.003	10.089	-0.211
10.114	0.062	10.144	0.272	10.154	0.276	10.183	0.679
10.198	0.031	10.220	-0.349	10.239	-0.661	10.250	-0.952
10.259	-1.044	10.286	-0.651	10.304	-0.117	10.324	0.666
10.339	1.027	10.358	1.092	10.372	0.927	10.388	0.450
10.398	-0.031	10.409	-0.700	10.417	-0.985	10.433	-1.118
10.451	-0.973	10.478	-0.342	10.486	-0.154	10.493	0.079
10.500	0.363	10.504	0.541	10.510	0.714	10.517	0.783
10.524	0.730	10.530	0.629	10.537	0.496	10.543	0.595
10.549	0.302	10.557	0.216	10.565	0.063	10.578	0.012
10.592	-0.125	10.600	-0.166	10.610	-0.187	10.620	-0.279
10.628	-0.264	10.634	-0.237	10.646	-0.218	10.650	-0.224
10.671	-0.276	10.682	-0.313	10.695	-0.283	10.705	-0.224
10.713	-0.160	10.719	-0.073	10.726	0.002	10.729	0.038
10.735	0.098	10.745	0.149	10.751	0.161	10.761	0.193
10.767	0.209	10.776	0.181	10.787	0.157	10.793	0.101
10.800	0.022	10.808	0.014	10.816	0.066	10.826	0.205
10.836	0.373	10.844	0.457	10.852	0.478	10.860	0.427
10.866	0.351	10.875	0.133	10.884	-0.142	10.893	-0.364
10.898	-0.635	10.904	-0.817	10.909	-0.968	10.915	-1.099
10.921	-1.131	10.925	-1.102	10.931	-1.022	10.939	-0.826
10.945	-0.626	10.952	-0.418	10.957	-0.194	10.963	0.006
10.968	0.159	10.975	0.288	10.982	0.401	10.989	0.509
10.999	0.551	11.008	0.502	11.017	0.376	11.025	0.270
11.033	0.101	11.038	0.023	11.045	-0.088	11.052	-0.153
11.059	-0.171	11.067	-0.253	11.076	-0.314	11.087	-0.343
11.093	-0.333	11.101	-0.243	11.108	-0.102	11.117	0.032
11.126	0.190	11.135	0.317	11.143	0.447	11.150	0.485
11.159	0.499	11.167	0.454	11.176	0.344	11.185	0.191
11.194	0.057	11.202	-0.057	11.212	-0.210	11.222	-0.360
11.228	-0.411	11.237	-0.386	11.245	-0.358	11.253	-0.285
11.263	-0.169	11.272	0.023	11.277	0.163	11.288	0.315
11.296	0.383	11.306	0.428	11.312	0.476	11.321	0.520
11.333	0.509	11.345	0.490	11.353	0.374	11.362	0.231
11.372	-0.016	11.382	-0.215	11.392	-0.363	11.400	-0.403
11.409	-0.367	11.416	-0.283	11.424	-0.124	11.432	0.039
11.441	0.178	11.450	0.285	11.462	0.344	11.468	0.348
11.479	0.296	11.488	0.160	11.497	0.016	11.506	-0.085
11.517	-0.153	11.524	-0.269	11.532	-0.445	11.541	-0.601
11.546	-0.662	11.552	-0.674	11.560	-0.643	11.567	-0.556
11.576	-0.386	11.585	-0.168	11.592	0.014	11.601	0.180

11.612	0.318	11.617	0.377	11.625	0.391	11.633	0.354
11.641	0.321	11.648	0.331	11.657	0.358	11.664	0.384
11.672	0.335	11.682	0.246	11.691	0.108	11.701	-0.028
11.710	-0.177	11.718	-0.286	11.724	-0.303	11.734	-0.268
11.743	-0.170	11.750	-0.043	11.755	0.083	11.761	0.230
11.769	0.392	11.777	0.471	11.783	0.482	11.793	0.441
11.802	0.308	11.812	0.131	11.820	0.039	11.826	-0.106
11.840	-0.279	11.848	-0.423	11.856	-0.527	11.865	-0.564
11.878	-0.537	11.889	-0.490	11.894	-0.450	11.901	-0.335
11.908	-0.132	11.916	0.055	11.923	0.215	11.931	0.350
11.938	0.462	11.945	0.566	11.953	0.586	11.964	0.546
11.973	0.458	11.982	0.359	11.992	0.319	12.003	0.304
12.012	0.217	12.019	0.082	12.027	-0.093	12.033	-0.161
12.043	-0.244	12.052	-0.327	12.060	-0.430	12.067	-0.510
12.075	-0.521	12.083	-0.501	12.091	-0.457	12.098	-0.349
12.107	-0.169	12.114	-0.045	12.122	0.102	12.131	0.250
12.142	0.358	12.148	0.378	12.155	0.334	12.161	0.223
12.169	0.028	12.177	-0.171	12.183	-0.362	12.189	-0.450
12.197	-0.505	12.201	-0.525	12.209	-0.497	12.213	-0.453
12.219	-0.349	12.227	-0.249	12.234	-0.205	12.245	-0.176
12.253	-0.175	12.261	-0.194	12.267	-0.241	12.277	-0.264
12.286	-0.239	12.294	-0.114	12.304	0.135	12.310	0.292
12.322	0.565	12.333	0.623	12.343	0.573	12.348	0.451
12.354	0.340	12.362	0.210	12.369	0.080	12.377	0.009
12.386	-0.081	12.396	-0.135	12.409	-0.173	12.420	-0.239
12.427	-0.322	12.435	-0.404	12.441	-0.412	12.450	-0.379
12.458	-0.307	12.467	-0.183	12.474	-0.058	12.483	0.122
12.493	0.303	12.503	0.356	12.509	0.344	12.518	0.258
12.525	0.199	12.533	0.104	12.540	0.042	12.550	-0.021
12.555	-0.028	12.566	0.018	12.574	0.094	12.585	0.128
12.597	0.133	12.605	0.115	12.615	-0.021	12.625	-0.195
12.631	-0.283	12.639	-0.346	12.651	-0.373	12.658	-0.325
12.669	-0.205	12.676	-0.074	12.686	0.022	12.695	0.149
12.701	0.197	12.707	0.201	12.718	0.121	12.727	0.014
12.737	-0.062	12.749	-0.118	12.762	-0.150	12.772	-0.118
12.781	-0.078	12.794	-0.043	12.802	0.037	12.807	0.120
12.814	0.203	12.824	0.230	12.834	0.190	12.847	0.109
12.859	-0.063	12.869	-0.216	12.881	-0.354	12.889	-0.435
12.894	-0.452	12.901	-0.422	12.909	-0.296	12.915	-0.166
12.923	-0.076	12.929	-0.013	12.936	0.116	12.942	0.289
12.951	0.438	12.961	0.491	12.972	0.435	12.982	0.329
12.992	0.166	13.001	0.004	13.011	-0.174	13.018	-0.244
13.027	-0.211	13.036	-0.106	13.048	0.050	13.057	0.099
13.064	0.105	13.073	0.055	13.082	-0.035	13.089	-0.141
13.097	-0.163	13.109	-0.123	13.118	-0.017	13.126	0.097
13.132	0.175	13.140	0.245	13.148	0.331	13.156	0.337
13.165	0.323	13.171	0.219	13.179	-0.060	13.186	-0.304
13.194	-0.595	13.200	-0.751	13.208	-0.922	13.215	-0.991
13.223	-0.999	13.230	-0.951	13.239	-0.804	13.249	-0.589
13.258	-0.366	13.267	-0.175	13.275	0.100	13.285	0.347
13.290	0.419	13.302	0.482	13.309	0.518	13.318	0.573
13.323	0.581	13.331	0.521	13.338	0.369	13.344	0.205
13.353	-0.026	13.363	-0.142	13.373	-0.210	13.379	-0.278
13.387	-0.294	13.396	-0.274	13.405	-0.198	13.416	-0.134
13.431	-0.078	13.442	0.014	13.455	0.098	13.466	0.182
13.473	0.270	13.481	0.299	13.494	0.308	13.505	0.265

13.519	0.257	13.530	0.119	13.543	-0.079	13.555	-0.142
13.566	-0.180	13.579	-0.266	13.594	-0.228	13.607	-0.143
13.614	-0.082	13.624	0.075	13.635	0.231	13.645	0.281
13.655	0.255	13.664	0.185	13.675	0.099	13.686	-0.022
13.695	-0.108	13.706	-0.170	13.725	-0.190	13.740	-0.147
13.749	-0.106	13.763	-0.084	13.774	-0.010	13.784	0.043
13.799	0.090	13.816	0.156	13.825	0.142	13.836	0.111
13.851	0.128	13.860	0.093	13.872	-0.010	13.881	-0.097
13.892	-0.200	13.904	-0.282	13.913	-0.322	13.922	-0.277
13.931	-0.150	13.940	0.014	13.951	0.238	13.963	0.406
13.972	0.522	13.981	0.550	13.993	0.503	14.007	0.391
14.015	0.256	14.022	0.073	14.031	-0.055	14.046	-0.107
14.060	-0.142	14.069	-0.154	14.080	-0.099	14.087	-0.011
14.099	0.036	14.107	0.011	14.118	-0.026	14.129	-0.019
14.141	0.011	14.157	0.105	14.170	0.171	14.181	0.214
14.190	0.212	14.207	0.130	14.219	0.056	14.230	-0.029
14.243	-0.171	14.254	-0.272	14.270	-0.355	14.281	-0.329
14.296	-0.267	14.310	-0.202	14.322	-0.192	14.337	-0.219
14.353	-0.281	14.364	-0.299	14.375	-0.249	14.384	-0.151
14.393	-0.081	14.402	-0.018	14.411	0.104	14.422	0.258
14.437	0.304	14.457	0.338	14.467	0.289	14.481	0.120
14.494	-0.017	14.508	-0.138	14.524	-0.228	14.537	-0.180
14.546	-0.101	14.561	0.026	14.571	0.077	14.579	0.145
14.589	0.272	14.600	0.335	14.605	0.347	14.618	0.303
14.628	0.195	14.639	0.120	14.653	0.069	14.664	0.006
14.675	-0.062	14.693	-0.069	14.702	-0.105	14.706	-0.164
14.720	-0.204	14.731	-0.159	14.741	-0.054	14.750	0.022
14.763	0.068	14.775	0.057	14.792	0.019	14.803	-0.088
14.814	-0.234	14.825	-0.313	14.832	-0.328	14.847	-0.294
14.860	-0.213	14.878	-0.123	14.889	0.010	14.899	0.147
14.911	0.332	14.920	0.373	14.931	0.342	14.947	0.196
14.961	0.074	14.972	-0.112	14.981	-0.234	14.994	-0.269
15.009	-0.223	15.021	-0.142	15.035	-0.037	15.050	0.072
15.061	0.105	15.075	0.083	15.087	0.032	15.097	0.005
15.117	0.043	15.137	0.068	15.157	0.069	15.167	0.030
15.177	-0.041	15.195	-0.103	15.205	-0.182	15.214	-0.253
15.231	-0.298	15.247	-0.322	15.263	-0.286	15.275	-0.235
15.288	-0.119	15.300	-0.060	15.310	0.024	15.320	0.151
15.337	0.334	15.351	0.370	15.361	0.289	15.370	0.185
15.376	0.165	15.385	0.033	15.397	-0.127	15.408	-0.260
15.418	-0.300	15.429	-0.253	15.443	-0.194	15.451	-0.119
15.461	-0.033	15.475	0.002	15.484	0.060	15.497	0.099
15.516	0.093	15.531	0.111	15.541	0.082	15.552	-0.007
15.567	-0.173	15.580	-0.256	15.591	-0.246	15.602	-0.204
15.616	-0.087	15.628	0.050	15.643	0.210	15.655	0.272
15.667	0.230	15.683	0.108	15.694	0.054	15.706	-0.055
15.714	-0.072	15.725	-0.030	15.738	-0.008	15.749	-0.018
15.763	-0.012	15.779	-0.077	15.800	-0.170	15.812	-0.203
15.831	-0.164	15.844	-0.065	15.856	0.022	15.867	0.037
15.879	0.040	15.892	-0.036	15.909	-0.164	15.918	-0.220
15.931	-0.324	15.940	-0.352	15.951	-0.312	15.960	-0.201
15.971	-0.050	15.986	0.161	15.998	0.321	16.009	0.341
16.019	0.309	16.031	0.174	16.043	0.027	16.056	-0.084
16.069	-0.204	16.078	-0.223	16.090	-0.187	16.102	-0.142
16.117	-0.113	16.128	-0.061	16.141	0.099	16.153	0.176
16.164	0.232	16.176	0.189	16.187	0.099	16.202	-0.003

16.217	-0.053	16.229	-0.023	16.245	0.059	16.256	0.124
16.273	0.159	16.284	0.113	16.297	0.013	16.308	-0.096
16.327	-0.096	16.348	-0.091	16.357	-0.065	16.369	-0.016
16.379	0.018	16.393	0.076	16.407	0.118	16.422	0.068
16.437	-0.006	16.448	-0.101	16.459	-0.140	16.467	-0.096
16.478	-0.020	16.488	0.028	16.497	0.033	16.511	-0.083
16.523	-0.194	16.536	-0.238	16.548	-0.289	16.565	-0.337
16.576	-0.265	16.590	-0.095	16.604	0.068	16.619	0.206
16.634	0.245	16.649	0.156	16.660	0.132	16.671	0.051
16.680	0.026	16.696	0.012	16.710	-0.033	16.721	-0.050
16.731	-0.047	16.743	-0.049	16.757	-0.118	16.774	-0.160
16.788	-0.166	16.797	-0.147	16.806	-0.060	16.816	0.047
16.830	0.193	16.839	0.264	16.847	0.279	16.860	0.254
16.868	0.181	16.877	0.077	16.887	-0.028	16.902	-0.085
16.919	-0.095	16.926	-0.092	16.942	-0.054	16.953	-0.115
16.966	-0.176	16.978	-0.237	16.990	-0.246	17.000	-0.179
17.009	-0.080	17.016	0.043	17.029	0.217	17.040	0.324
17.050	0.367	17.059	0.335	17.072	0.246	17.082	0.122
17.096	-0.070	17.107	-0.178	17.117	-0.214	17.128	-0.183
17.137	-0.127	17.147	-0.052	17.154	-0.008	17.166	0.019
17.177	-0.009	17.189	-0.065	17.202	-0.157	17.216	-0.188
17.227	-0.208	17.236	-0.168	17.248	-0.060	17.263	0.084
17.279	0.172	17.294	0.213	17.306	0.194	17.323	0.095
17.336	-0.016	17.347	-0.091	17.354	-0.099	17.364	-0.046
17.372	0.034	17.382	0.102	17.392	0.119	17.407	0.112
17.420	0.037	17.427	-0.062	17.436	-0.157	17.447	-0.221
17.457	-0.180	17.470	-0.079	17.483	0.049	17.499	0.166
17.514	0.203	17.527	0.165	17.537	0.086	17.546	0.031
17.555	-0.000	17.572	0.021	17.585	0.062	17.596	0.074
17.609	0.008	17.621	-0.139	17.634	-0.289	17.643	-0.373
17.651	-0.388	17.661	-0.352	17.672	-0.244	17.683	-0.137
17.697	-0.033	17.710	0.111	17.721	0.147	17.735	0.143
17.748	0.159	17.762	0.215	17.770	0.219	17.780	0.187
17.792	0.100	17.805	0.004	17.815	-0.036	17.827	-0.044
17.840	-0.036	17.857	-0.072	17.873	-0.056	17.890	-0.076
17.903	-0.025	17.916	0.027	17.930	0.063	17.944	0.130
17.957	0.150	17.967	0.134	17.978	0.086	17.988	0.029
18.003	0.016	18.015	0.008	18.027	-0.029	18.043	-0.018
18.053	-0.022	18.070	-0.083	18.090	-0.164	18.108	-0.193
18.119	-0.245	18.132	-0.302	18.142	-0.279	18.159	-0.173
18.173	-0.075	18.182	-0.012	18.192	0.095	18.203	0.201
18.218	0.252	18.227	0.255	18.243	0.146	18.255	-0.006
18.268	-0.162	18.277	-0.267	18.285	-0.283	18.298	-0.208
18.315	-0.066	18.334	0.049	18.356	0.096	18.383	0.138
18.403	0.138	18.416	0.118	18.431	-0.006	18.444	-0.154
18.456	-0.273	18.470	-0.297	18.485	-0.286	18.496	-0.238
18.508	-0.142	18.516	0.001	18.528	0.133	18.538	0.193
18.547	0.209	18.563	0.178	18.581	0.015	18.594	-0.120
18.604	-0.188	18.619	-0.223	18.633	-0.234	18.645	-0.186
18.655	-0.109	18.668	-0.013	18.676	0.031	18.692	0.068
18.704	0.045	18.714	-0.003	18.726	-0.033	18.745	-0.016
18.757	0.005	18.772	0.071	18.783	0.123	18.793	0.192
18.802	0.213	18.816	0.170	18.829	0.088	18.845	-0.050
18.856	-0.176	18.866	-0.191	18.877	-0.154	18.888	-0.030
18.896	0.071	18.905	0.099	18.923	0.045	18.934	-0.029
18.946	-0.171	18.961	-0.286	18.972	-0.253	18.982	-0.228

18.993	-0.172	19.002	-0.116	19.017	-0.079	19.026	-0.018
19.048	0.059	19.061	0.159	19.074	0.256	19.091	0.293
19.110	0.254	19.119	0.206	19.136	0.167	19.147	0.088
19.153	-0.070	19.179	-0.189	19.193	-0.284	19.204	-0.308
19.214	-0.280	19.231	-0.196	19.243	-0.152	19.252	-0.056
19.264	0.127	19.276	0.243	19.287	0.330	19.300	0.386
19.314	0.330	19.327	0.197	19.341	0.019	19.352	-0.130
19.365	-0.208	19.382	-0.214	19.399	-0.209	19.413	-0.223
19.430	-0.231	19.439	-0.189	19.447	-0.111	19.457	0.051
19.466	0.200	19.475	0.334	19.484	0.380	19.496	0.350
19.507	0.230	19.517	0.042	19.530	-0.166	19.541	-0.323
19.554	-0.371	19.565	-0.340	19.576	-0.230	19.587	-0.091
19.602	0.003	19.616	0.070	19.625	0.086	19.638	0.062
19.652	-0.011	19.663	-0.067	19.674	-0.079	19.686	-0.059
19.701	0.012	19.712	0.052	19.726	0.060	19.736	0.044
19.748	-0.008	19.762	-0.044	19.775	0.003	19.788	0.043
19.802	0.079	19.815	0.103	19.829	0.072	19.841	0.020
19.849	-0.063	19.855	-0.143	19.867	-0.174	19.877	-0.233
19.887	-0.237	19.895	-0.201	19.905	-0.125	19.914	-0.013
19.922	0.059	19.929	0.143	19.940	0.236	19.951	0.288
19.960	0.285	19.973	0.230	19.984	0.143	19.997	-0.024
20.007	-0.171	20.016	-0.266	20.026	-0.297	20.039	-0.256
20.050	-0.212	20.064	-0.067	20.074	0.045	20.086	0.169
20.096	0.226	20.107	0.235	20.119	0.196	20.132	0.097
20.148	-0.041	20.160	-0.196	20.169	-0.306	20.179	-0.329
20.192	-0.280	20.201	-0.219	20.210	-0.127	20.219	-0.058
20.233	-0.045	20.244	-0.075	20.256	-0.145	20.265	-0.163
20.278	-0.154	20.286	-0.105	20.297	0.005	20.307	0.197
20.316	0.322	20.324	0.347	20.334	0.317	20.344	0.278
20.353	0.196	20.363	0.038	20.373	-0.093	20.384	-0.163
20.397	-0.174	20.411	-0.133	20.419	-0.076	20.430	-0.016
20.445	0.011	20.454	-0.033	20.468	-0.065	20.483	-0.073
20.497	-0.021	20.513	0.098	20.526	0.201	20.542	0.260
20.555	0.216	20.570	0.080	20.582	-0.053	20.594	-0.284
20.603	-0.420	20.616	-0.495	20.627	-0.460	20.640	-0.285
20.651	-0.086	20.663	0.094	20.672	0.268	20.680	0.336
20.692	0.319	20.705	0.206	20.721	0.078	20.733	0.001
20.752	-0.020	20.765	-0.034	20.786	-0.045	20.802	-0.044
20.811	-0.105	20.822	-0.231	20.832	-0.269	20.845	-0.239
20.859	-0.202	20.873	-0.141	20.885	-0.047	20.902	0.053
20.914	0.106	20.929	0.124	20.940	0.118	20.959	0.076
20.973	-0.026	20.985	-0.090	20.995	-0.103	21.010	-0.072
21.020	-0.071	21.033	-0.118	21.045	-0.150	21.055	-0.117
21.071	-0.013	21.085	0.078	21.096	0.246	21.113	0.314
21.123	0.212	21.133	0.026	21.147	-0.179	21.157	-0.330
21.171	-0.436	21.183	-0.362	21.190	-0.278	21.206	-0.172
21.216	-0.051	21.229	0.118	21.238	0.218	21.246	0.235
21.256	0.201	21.271	0.127	21.283	0.013	21.269	-0.096
21.301	-0.100	21.313	-0.095	21.324	-0.006	21.334	0.067
21.344	0.096	21.355	0.098	21.366	0.055	21.384	-0.026
21.398	-0.001	21.414	0.053	21.431	0.074	21.446	0.020
21.460	-0.047	21.474	-0.101	21.488	-0.128	21.502	-0.122
21.514	-0.014	21.527	0.119	21.539	0.195	21.549	0.220
21.560	0.181	21.575	0.082	21.590	-0.081	21.605	-0.187
21.614	-0.234	21.630	-0.176	21.641	-0.105	21.654	0.019
21.669	0.124	21.680	0.172	21.689	0.192	21.697	0.164

21.712	0.084	21.724	0.005	21.736	-0.043	21.750	-0.091
21.762	-0.094	21.776	-0.054	21.791	-0.006	21.806	0.046
21.823	0.125	21.836	0.164	21.851	0.163	21.873	0.126
21.900	0.041	21.923	-0.067	21.936	-0.108	21.950	-0.109
21.971	-0.067	21.988	0.035	22.003	0.078	22.020	0.112
22.041	0.078	22.053	0.061	22.073	0.007	22.089	-0.042
22.100	-0.111	22.115	-0.184	22.129	-0.261	22.149	-0.231
22.158	-0.207	22.174	-0.038	22.185	0.077	22.206	0.195
22.225	0.205	22.241	0.136	22.253	0.039	22.264	-0.049
22.277	-0.106	22.294	-0.163	22.326	-0.040	22.341	0.051
22.358	0.083	22.374	0.074	22.382	0.066	22.404	0.010
22.416	-0.022	22.440	-0.019	22.452	-0.086	22.461	-0.141
22.479	-0.140	22.493	-0.136	22.515	0.041	22.533	0.181
22.550	0.198	22.576	0.076	22.594	-0.030	22.612	-0.025
22.631	0.021	22.644	0.070	22.661	0.124	22.675	0.138
22.687	0.115	22.705	0.038	22.718	-0.068	22.738	-0.082
22.758	-0.016	22.767	0.069	22.786	0.103	22.805	-0.002
22.820	-0.076	22.833	-0.067	22.845	-0.082	22.875	0.017
22.897	-0.021	22.928	-0.062	22.959	-0.095	22.985	-0.023
23.013	0.093	23.030	0.133	23.053	0.141	23.088	0.181
23.112	0.102	23.138	-0.018	23.160	-0.105	23.179	-0.178
23.194	-0.191	23.215	-0.044	23.234	0.150	23.249	0.249
23.263	0.304	23.278	0.251	23.303	0.110	23.332	-0.071
23.361	-0.121	23.382	-0.123	23.398	-0.124	23.433	0.020
23.454	0.122	23.470	0.120	23.492	0.015	23.510	-0.051
23.521	-0.052	23.544	0.074	23.562	0.093	23.589	-0.048
23.615	-0.109	23.648	-0.003	23.662	0.029	23.679	0.085
23.703	0.033	23.742	0.001	23.764	0.029	23.788	-0.027
23.805	-0.102	23.820	-0.074	23.841	0.062	23.858	0.154
23.879	0.159	23.896	0.095	23.908	0.004	23.935	-0.147
23.953	-0.146	23.975	-0.042	23.985	0.026	23.996	0.039
24.011	0.044	24.030	0.045	24.049	0.105	24.060	0.122
24.073	0.111	24.092	-0.012	24.108	-0.139	24.128	-0.221
24.150	-0.081	24.176	0.088	24.189	0.184	24.211	0.184
24.238	0.081	24.250	0.065	24.271	-0.023	24.297	-0.095
24.314	-0.095	24.326	-0.107	24.355	-0.012	24.364	-0.001
24.383	0.071	24.406	0.038	24.437	-0.019	24.470	-0.068
24.494	-0.046	24.523	0.057	24.556	0.150	24.586	0.080
24.609	0.022	24.630	-0.039	24.642	-0.040	24.666	0.018
24.682	0.044	24.697	0.075	24.724	0.061	24.747	0.023
24.772	0.045	24.788	0.028	24.809	-0.010	24.825	-0.127
24.844	-0.244	24.863	-0.210	24.892	0.031	24.912	0.204
24.926	0.227	24.951	0.190	24.973	0.038	25.001	-0.095
25.018	-0.068	25.037	-0.112	25.057	-0.061	25.069	-0.062
25.089	-0.019	25.110	0.016	25.130	0.107	25.147	0.107
25.165	0.027	25.184	-0.104	25.202	-0.120	25.224	0.032
25.233	0.088	25.249	0.140	25.280	0.052	25.307	-0.027
25.336	0.021	25.359	0.078	25.389	0.031	25.412	-0.091
25.434	-0.146	25.466	0.014	25.496	0.159	25.516	0.147
25.559	0.081	25.582	-0.026	25.600	-0.122	25.612	-0.201
25.628	-0.209	25.647	-0.125	25.666	0.010	25.699	0.193
25.720	0.193	25.744	0.037	25.765	-0.019	25.780	-0.063
25.804	-0.076	25.829	0.043	25.861	0.165	25.890	0.092
25.921	-0.001	25.942	-0.058	25.969	-0.008	25.989	0.035
26.013	0.035	26.034	0.062	26.054	0.002	26.084	-0.110
26.109	-0.179	26.141	-0.088	26.159	0.036	26.171	0.060

26.194	0.172	26.215	0.128	26.230	0.116	26.253	0.020
26.266	-0.071	26.285	-0.163	26.307	-0.119	26.319	-0.043
26.332	0.053	26.345	0.129	26.367	0.173	26.385	0.141
26.411	0.058	26.426	0.030	26.452	-0.053	26.471	-0.057
26.490	-0.077	26.510	-0.041	26.532	0.043	26.551	0.055
26.573	0.036	26.600	-0.003	26.615	-0.023	26.635	-0.026
26.648	-0.042	26.671	-0.002	26.682	0.038	26.708	0.022
26.732	0.003	26.762	-0.029	26.787	0.003	26.812	0.095
26.826	0.127	26.852	0.084	26.876	-0.063	26.900	-0.103
26.914	-0.131	26.947	-0.095	26.967	-0.000	26.985	0.111
26.996	0.206	27.012	0.249	27.029	0.197	27.038	0.101
27.063	-0.067	27.088	-0.159	27.113	-0.144	27.132	-0.057
27.169	0.141	27.201	0.180	27.230	0.083	27.245	-0.077
27.263	-0.157	27.282	-0.185	27.302	-0.118	27.317	-0.023
27.329	0.072	27.344	0.132	27.367	0.199	27.392	0.119
27.412	0.043	27.431	-0.050	27.444	-0.118	27.462	-0.118
27.481	-0.082	27.511	0.049	27.530	0.045	27.549	-0.023
27.565	-0.059	27.582	-0.040	27.596	0.020	27.611	0.064
27.625	0.096	27.642	0.080	27.656	0.024	27.667	0.004
27.692	-0.056	27.716	-0.036	27.736	0.020	27.748	0.036
27.770	-0.032	27.786	-0.072	27.808	-0.056	27.824	0.020
27.843	0.097	27.859	0.117	27.884	0.038	27.901	-0.021
27.928	-0.076	27.949	-0.023	27.963	0.001	27.980	-0.006
28.009	-0.077	28.033	-0.036	28.047	0.024	28.070	0.105
28.092	0.050	28.113	-0.009	28.133	-0.056	28.149	-0.079
28.162	-0.063	28.183	-0.103	28.205	-0.028	28.237	0.003
28.262	0.066	28.277	0.082	28.298	0.105	28.330	0.001
28.360	-0.071	28.374	-0.056	28.398	-0.041	28.418	-0.066
28.437	-0.051	28.453	0.000	28.478	0.095	28.497	0.158
28.523	0.030	28.544	-0.019	28.565	-0.043	28.593	0.020
28.611	0.028	28.637	0.091	28.657	0.070	28.677	-0.006
28.699	-0.098	28.721	-0.174	28.746	-0.122	28.767	-0.011
28.797	0.068	28.820	0.016	28.832	-0.000	28.854	0.055
28.867	0.091	28.883	0.087	28.913	-0.025	28.930	-0.021
28.947	-0.037	28.963	0.047	28.976	0.130	28.997	0.127
29.015	-0.009	29.048	-0.105	29.073	-0.057	29.092	-0.045
29.116	0.047	29.138	0.136	29.155	0.100	29.173	0.081
29.184	0.013	29.203	-0.070	29.220	-0.058	29.236	-0.022
29.252	-0.017	29.272	0.055	29.285	0.091	29.305	0.135
29.334	0.084	29.345	-0.003	29.360	-0.087	29.377	-0.158
29.394	-0.150	29.415	-0.065	29.436	0.047	29.454	0.095
29.470	0.098	29.486	0.030	29.502	-0.025	29.521	-0.089
29.538	-0.050	29.565	0.010	29.586	0.018	29.607	0.025
29.626	0.145	29.643	0.236	29.653	0.256	29.672	0.175
29.690	-0.000	29.710	-0.164	29.724	-0.208	29.749	-0.125
29.766	0.022	29.777	0.129	29.795	0.145	29.810	0.108
29.836	-0.012	29.859	-0.064	29.880	-0.009	29.909	-0.033
29.926	-0.137	29.951	-0.145	29.967	-0.030	29.985	0.082
30.002	0.169	30.023	0.077	30.033	0.069	30.053	-0.051
30.071	-0.059	30.091	-0.003	30.115	0.024	30.142	-0.048
30.161	-0.112	30.182	-0.036	30.199	0.063	30.220	0.186
30.235	0.186	30.252	0.059	30.271	-0.064	30.295	-0.147
30.311	-0.099	30.332	-0.047	30.348	0.014	30.366	0.034
30.383	0.046	30.407	0.039	30.427	0.020	30.440	0.025
30.456	-0.026	30.480	0.007	30.502	0.020	30.517	0.024
30.542	0.104	30.572	0.077	30.591	-0.026	30.609	-0.106

30.628	-0.149	30.650	-0.201	30.670	-0.149	30.691	-0.089
30.718	0.106	30.748	0.309	30.771	0.340	30.793	0.101
30.805	-0.054	30.825	-0.190	30.840	-0.234	30.849	-0.234
30.871	-0.163	30.889	-0.079	30.907	0.100	30.922	0.131
30.931	0.103	30.946	0.083	30.968	0.051	30.980	-0.037
30.997	-0.109	31.021	-0.061	31.041	-0.022	31.059	-0.010
31.079	-0.007	31.104	0.084	31.120	0.199	31.132	0.315
31.143	0.358	31.152	0.306	31.175	0.011	31.188	-0.181
31.200	-0.289	31.210	-0.322	31.222	-0.282	31.247	0.032
31.261	0.218	31.271	0.310	31.295	0.221	31.316	-0.063
31.336	-0.259	31.347	-0.323	31.371	-0.296	31.386	-0.137
31.397	0.030	31.404	0.074	31.424	0.273	31.445	0.308
31.464	0.153	31.483	-0.055	31.499	-0.218	31.508	-0.302
31.528	-0.362	31.555	-0.096	31.578	0.152	31.594	0.331
31.607	0.407	31.631	0.228	31.649	0.072	31.660	-0.099
31.677	-0.286	31.698	-0.146	31.717	-0.007	31.736	0.113
31.756	0.225	31.779	0.209	31.807	0.022	31.823	-0.173
31.840	-0.240	31.850	-0.224	31.861	-0.149	31.869	-0.093
31.884	0.030	31.896	0.070	31.907	0.082	31.914	0.058
31.925	-0.033	31.935	-0.121	31.955	-0.145	31.968	-0.205
31.981	-0.261	31.994	-0.269	32.003	-0.213	32.012	-0.077
32.022	0.086	32.031	0.193	32.041	0.277	32.054	0.352
32.063	0.372	32.071	0.332	32.086	0.205	32.103	0.041
32.119	-0.119	32.133	-0.263	32.145	-0.366	32.157	-0.386
32.165	-0.359	32.174	-0.263	32.185	-0.092	32.194	0.075
32.205	0.206	32.214	0.286	32.226	0.314	32.235	0.274
32.245	0.170	32.256	0.098	32.267	0.034	32.273	0.014
32.286	0.034	32.302	0.050	32.311	0.025	32.323	0.001
32.331	-0.011	32.352	-0.015	32.363	-0.047	32.376	-0.099
32.390	-0.119	32.402	-0.123	32.412	-0.083	32.420	-0.004
32.429	0.072	32.437	0.108	32.458	0.119	32.472	0.123
32.485	0.103	32.491	0.095	32.502	0.103	32.516	0.083
32.524	0.035	32.535	-0.049	32.554	-0.093	32.571	-0.172
32.587	-0.232	32.602	-0.260	32.616	-0.204	32.627	-0.097
32.636	0.019	32.647	0.122	32.657	0.234	32.668	0.274
32.676	0.274	32.687	0.214	32.699	0.099	32.712	-0.005
32.724	-0.049	32.730	-0.061	32.742	-0.045	32.756	-0.013
32.771	-0.021	32.785	-0.021	32.801	0.011	32.812	0.023
32.833	0.008	32.859	0.072	32.885	0.136	32.900	0.076
32.918	-0.027	32.926	-0.103	32.933	-0.154	32.944	-0.170
32.956	-0.122	32.968	-0.058	32.976	0.017	32.982	0.065
32.995	0.093	33.008	0.078	33.023	0.089	33.037	0.050
33.051	-0.026	33.062	-0.102	33.075	-0.181	33.087	-0.201
33.098	-0.174	33.111	-0.110	33.125	0.010	33.138	0.074
33.153	0.093	33.162	0.070	33.173	0.014	33.180	0.006
33.197	0.070	33.208	0.109	33.219	0.121	33.231	0.089
33.247	-0.026	33.258	-0.130	33.269	-0.158	33.281	-0.126
33.295	-0.027	33.310	0.073	33.319	0.113	33.328	0.121
33.343	0.084	33.355	0.013	33.369	-0.099	33.381	-0.179
33.392	-0.191	33.408	-0.131	33.423	-0.012	33.438	0.143
33.454	0.294	33.466	0.330	33.480	0.270	33.495	0.127
33.505	-0.029	33.519	-0.212	33.530	-0.292	33.542	-0.316
33.557	-0.272	33.573	-0.212	33.586	-0.109	33.600	-0.009
33.615	0.090	33.625	0.186	33.640	0.245	33.651	0.285
33.662	0.273	33.672	0.202	33.685	0.038	33.700	-0.137
33.708	-0.189	33.715	-0.201	33.728	-0.153	33.749	-0.022

33.761	0.054	33.779	0.094	33.790	0.058	33.817	0.006
33.828	-0.034	33.839	-0.094	33.850	-0.106	33.867	-0.070
33.880	-0.010	33.893	0.078	33.912	0.125	33.926	0.094
33.937	0.022	33.949	-0.050	33.956	-0.058	33.975	-0.030
33.990	-0.034	34.010	0.006	34.024	-0.026	34.041	-0.042
34.066	0.015	34.087	0.055	34.107	0.031	34.134	0.036
34.151	0.024	34.166	0.008	34.178	-0.016	34.200	0.009
34.227	0.005	34.256	0.014	34.279	-0.018	34.291	0.007
34.309	0.067	34.324	0.087	34.341	0.052	34.360	-0.039
34.374	-0.115	34.384	-0.142	34.399	-0.098	34.415	-0.046
34.433	0.030	34.466	0.075	34.476	0.076	34.496	0.096
34.521	0.017	34.533	-0.031	34.543	-0.074	34.554	-0.090
34.569	-0.058	34.592	-0.062	34.605	-0.082	34.619	-0.069
34.631	-0.014	34.644	0.038	34.655	0.106	34.666	0.138
34.678	0.110	34.696	0.027	34.705	-0.025	34.712	-0.045
34.732	-0.004	34.744	0.032	34.761	0.048	34.775	0.048
34.799	0.067	34.811	0.071	34.825	0.043	34.843	-0.049
34.862	-0.093	34.882	-0.113	34.895	-0.089	34.915	-0.014
34.936	0.049	34.947	0.057	34.965	0.117	34.979	0.125
34.998	0.112	35.009	0.060	35.028	-0.048	35.043	-0.100
35.061	-0.069	35.078	-0.030	35.106	0.069	35.129	0.108
35.142	0.092	35.162	0.083	35.183	-0.001	35.202	-0.049
35.226	-0.046	35.243	-0.018	35.267	0.010	35.281	-0.002
35.303	-0.003	35.319	-0.047	35.345	-0.091	35.353	-0.087
35.371	-0.019	35.389	0.044	35.412	0.100	35.426	0.100
35.448	0.060	35.465	0.004	35.483	-0.056	35.508	-0.041
35.531	-0.020	35.558	-0.008	35.591	0.041	35.623	0.069
35.640	0.090	35.664	0.018	35.687	-0.061	35.708	-0.088
35.730	-0.020	35.749	0.000	35.770	0.028	35.790	0.032
35.810	0.076	35.826	0.076	35.835	0.041	35.852	-0.047
35.875	-0.103	35.884	-0.107	35.896	-0.071	35.908	-0.019
35.925	0.045	35.937	0.061	35.948	0.037	35.963	0.002
35.984	-0.002	36.001	0.022	36.014	0.042	36.029	0.022
36.046	-0.026	36.070	-0.026	36.086	0.009	36.102	0.053
36.111	0.056	36.132	0.020	36.155	-0.041	36.162	-0.045
36.179	-0.025	36.198	-0.014	36.220	-0.027	36.237	0.008
36.270	0.039	36.287	0.019	36.310	-0.029	36.326	-0.073
36.352	-0.082	36.363	-0.054	36.381	0.013	36.398	0.069
36.411	0.116	36.427	0.112	36.442	0.052	36.466	-0.040
36.478	-0.084	36.487	-0.100	36.505	-0.073	36.521	-0.073
36.534	-0.037	36.552	0.027	36.577	0.083	36.592	0.103
36.606	0.111	36.616	0.075	36.631	-0.013	36.649	-0.084
36.669	-0.120	36.680	-0.120	36.701	-0.092	36.723	-0.044
36.736	0.004	36.750	0.095	36.760	0.143	36.777	0.163
36.792	0.135	36.806	0.075	36.816	0.012	36.830	-0.056
36.847	-0.080	36.864	-0.064	36.877	-0.041	36.901	-0.009
36.933	0.015	36.944	0.011	36.973	0.046	36.988	0.086
36.999	0.102	37.012	0.078	37.030	0.034	37.043	-0.022
37.056	-0.074	37.064	-0.078	37.077	-0.063	37.103	-0.011
37.129	0.020	37.143	-0.000	37.168	0.007	37.199	0.035
37.229	-0.018	37.253	-0.062	37.276	-0.062	37.295	-0.031
37.315	0.021	37.332	0.068	37.347	0.088	37.364	0.068
37.375	0.032	37.392	0.003	37.412	-0.029	37.447	-0.037
37.485	-0.034	37.504	0.006	37.524	0.041	37.546	0.045
37.571	0.057	37.597	0.029	37.615	-0.019	37.639	-0.059
37.672	-0.050	37.694	-0.014	37.719	0.049	37.733	0.069

37.751	0.042	37.776	-0.006	37.798	-0.038	37.813	-0.050
37.830	-0.010	37.841	-0.002	37.858	0.050	37.868	0.066
37.880	0.026	37.894	0.006	37.903	-0.002	37.918	-0.029
37.946	-0.017	37.962	0.023	37.974	0.059	38.003	0.067
38.028	0.047	38.045	0.011	38.065	-0.033	38.079	-0.057
38.102	-0.042	38.119	-0.058	38.134	-0.034	38.150	-0.010
38.180	-0.018	38.206	-0.027	38.223	-0.027	38.238	0.017
38.259	0.041	38.273	0.021	38.287	-0.007	38.300	-0.019
38.312	-0.059	38.324	-0.071	38.342	-0.059	38.354	-0.047
38.371	0.001	38.394	0.073	38.405	0.085	38.433	0.089
38.449	0.037	38.471	-0.023	38.485	-0.059	38.502	-0.071
38.513	-0.079	38.526	-0.051	38.540	0.001	38.562	0.041
38.581	0.021	38.602	-0.014	38.617	-0.066	38.632	-0.070
38.660	-0.062	38.676	-0.006	38.706	0.054	38.724	0.038
38.748	0.011	38.766	-0.021	38.782	-0.033	38.809	-0.001
38.836	0.031	38.871	0.008	38.885	-0.036	38.893	-0.048
38.916	-0.028	38.929	0.016	38.944	0.064	38.951	0.068
38.971	0.060	38.977	0.032	38.984	-0.007	38.992	-0.023
39.013	-0.011	39.027	0.005	39.045	0.037	39.067	0.013
39.081	-0.015	39.098	-0.047	39.120	-0.047	39.129	-0.015
39.141	0.041	39.151	0.061	39.165	0.057	39.178	0.041
39.191	-0.007	39.205	-0.027	39.215	-0.055	39.224	-0.075
39.238	-0.047	39.257	-0.039	39.263	-0.023	39.277	0.013
39.293	0.025	39.309	0.041	39.332	0.053	39.344	0.056
39.359	0.009	39.376	-0.011	39.392	-0.023	39.408	-0.016
39.423	-0.036	39.441	-0.020	39.456	-0.068	39.467	-0.076
39.485	-0.048	39.504	0.004	39.524	0.024	39.538	0.048
39.551	0.012	39.570	-0.016	39.591	-0.017	39.606	0.027
39.628	0.023	39.640	0.035	39.656	0.011	39.678	-0.021
39.692	-0.037	39.714	-0.029	39.727	-0.038	39.741	-0.010
39.760	0.014	39.774	0.054	39.784	0.057	39.804	0.033
39.824	-0.027	39.832	-0.059	39.846	-0.075	39.858	-0.095
39.881	-0.056	39.897	-0.016	39.911	0.043	39.940	0.055
39.952	0.035	39.964	0.019	39.979	0.014	39.996	-0.026
40.013	-0.042	40.035	-0.038	40.049	-0.010	40.069	0.002
40.096	0.022	40.117	0.011	40.134	-0.025	40.146	-0.021
40.165	-0.025	40.184	0.019	40.203	0.031	40.224	0.052
40.243	0.048	40.255	0.017	40.267	-0.011	40.293	-0.034
40.303	-0.014	40.316	0.023	40.333	0.015	40.348	-0.004
40.366	-0.035	40.385	0.001	40.397	0.010	40.420	-0.002
40.435	-0.013	40.462	-0.020	40.476	0.020	40.493	0.056
40.512	0.056	40.532	-0.007	40.554	-0.067	40.567	-0.082
40.589	-0.046	40.603	-0.010	40.619	0.046	40.639	0.062
40.652	0.031	40.665	-0.001	40.681	-0.005	40.689	-0.009
40.700	-0.009	40.717	0.008	40.735	0.032	40.745	0.040
40.759	0.032	40.777	0.044	40.787	0.020	40.794	-0.000
40.802	-0.028	40.822	-0.028	40.838	-0.004	40.858	-0.001
40.876	0.023	40.887	0.031	40.911	0.011	40.942	-0.009
40.961	-0.025	40.981	-0.001	40.997	-0.017	41.023	0.003
41.045	0.022	41.059	0.018	41.073	0.034	41.095	0.022
41.115	-0.014	41.141	-0.026	41.164	-0.011	41.185	0.021
41.194	0.037	41.214	0.033	41.227	-0.003	41.237	-0.015
41.264	-0.015	41.282	-0.011	41.307	0.000	41.334	0.008
41.348	0.024	41.366	0.020	41.388	-0.020	41.411	-0.048
41.432	-0.044	41.452	-0.040	41.473	-0.004	41.493	0.056
41.508	0.081	41.520	0.093	41.527	0.093	41.537	0.065

41.546	0.033	41.556	-0.019	41.569	-0.038	41.578	-0.074
41.591	-0.062	41.598	-0.062	41.611	-0.014	41.624	0.018
41.640	0.034	41.655	0.019	41.667	0.003	41.694	0.016
41.718	0.016	41.731	0.000	41.748	-0.035	41.774	-0.067
41.795	-0.082	41.815	-0.022	41.829	0.054	41.844	0.098
41.868	0.090	41.875	0.059	41.894	0.003	41.920	-0.012
41.942	-0.024	41.973	-0.015	41.998	0.001	42.014	0.029
42.044	0.042	42.073	0.042	42.086	0.038	42.108	0.007
42.133	-0.009	42.156	0.008	42.176	0.028	42.194	0.004
42.207	-0.016	42.234	0.001	42.255	0.001	42.266	-0.007
42.284	0.002	42.304	-0.006	42.330	-0.014	42.342	-0.030
42.359	-0.062	42.368	-0.066	42.383	-0.050	42.402	-0.034
42.417	0.018	42.431	0.030	42.452	0.042	42.467	0.030
42.487	0.010	42.505	-0.018	42.527	-0.026	42.543	-0.006
42.563	0.001	42.575	0.017	42.607	0.008	42.635	-0.001
42.666	-0.013	42.691	-0.046	42.706	-0.034	42.717	-0.026
42.729	-0.007	42.738	0.005	42.749	-0.003	42.759	-0.012
42.772	0.000	42.795	0.007	42.810	0.031	42.827	0.046
42.843	0.050	42.853	0.042	42.869	0.013	42.881	-0.019
42.897	-0.051	42.907	-0.063	42.923	-0.064	42.935	-0.048
42.950	-0.020	42.965	0.011	42.979	0.039	42.992	0.042
43.009	0.030	43.030	0.017	43.044	-0.003	43.062	-0.031
43.081	-0.056	43.091	-0.072	43.110	-0.048	43.124	-0.017
43.138	0.019	43.156	0.046	43.175	0.058	43.193	0.050
43.209	0.029	43.227	-0.019	43.248	-0.035	43.267	-0.040
43.286	-0.052	43.311	-0.056	43.327	-0.045	43.343	-0.009
43.362	0.035	43.378	0.087	43.384	0.098	43.398	0.082
43.417	0.046	43.431	-0.022	43.447	-0.077	43.462	-0.105
43.483	-0.086	43.497	-0.082	43.516	-0.038	43.531	0.002
43.549	0.046	43.563	0.061	43.578	0.065	43.593	0.041
43.607	0.025	43.622	-0.011	43.636	-0.038	43.642	-0.046
43.658	-0.023	43.676	0.017	43.697	0.025	43.719	0.025
43.739	0.025	43.757	0.009	43.774	-0.007	43.783	-0.015
43.796	-0.047	43.813	-0.039	43.833	-0.015	43.850	0.017
43.863	0.013	43.872	0.025	43.889	0.005	43.900	-0.011
43.913	-0.015	43.926	-0.027	43.951	-0.023	43.963	-0.019
43.979	-0.003	43.999	-0.003	44.009	0.005	44.027	0.009
44.050	0.025	44.069	0.041	44.078	0.058	44.095	0.042
44.110	0.018	44.129	-0.026	44.141	-0.053	44.152	-0.065
44.164	-0.049	44.180	-0.009	44.195	0.019	44.214	0.023
44.228	0.007	44.249	-0.020	44.271	-0.048	44.291	-0.040
44.307	-0.020	44.326	0.012	44.347	0.064	44.359	0.080
44.375	0.056	44.391	0.013	44.413	-0.035	44.437	-0.075
44.454	-0.094	44.476	-0.062	44.503	-0.010	44.517	0.034
44.537	0.062	44.552	0.086	44.562	0.078	44.576	0.062
44.591	0.006	44.604	-0.034	44.620	-0.053	44.632	-0.061
44.645	-0.045	44.655	-0.041	44.668	-0.021	44.676	-0.009
44.688	0.007	44.698	-0.001	44.714	0.019	44.724	0.011
44.740	0.019	44.750	0.035	44.763	0.027	44.785	0.008
44.804	-0.024	44.823	-0.040	44.846	-0.043	44.869	-0.031
44.885	-0.003	44.899	0.002	44.913	0.022	44.922	0.038
44.939	0.022	44.954	0.023	44.968	-0.009	44.979	-0.013
44.995	-0.000	45.000	-0.016	45.020	0.008	45.032	-0.008
45.048	-0.035	45.064	-0.071	45.076	-0.075	45.092	-0.059
45.103	-0.035	45.120	0.029	45.132	0.077	45.146	0.093
45.157	0.085	45.173	0.053	45.194	-0.010	45.217	-0.042

45.243	-0.058	45.258	-0.026	45.277	0.006	45.292	0.058
45.311	0.073	45.327	0.089	45.348	0.061	45.357	0.037
45.375	-0.043	45.395	-0.112	45.404	-0.124	45.418	-0.100
45.434	-0.065	45.459	0.035	45.486	0.078	45.502	0.066
45.523	0.021	45.538	-0.031	45.551	-0.075	45.567	-0.087
45.586	-0.052	45.608	-0.000	45.628	0.067	45.643	0.083
45.658	0.083	45.670	0.050	45.690	-0.018	45.707	-0.078
45.719	-0.094	45.734	-0.062	45.748	-0.023	45.760	0.017
45.780	0.053	45.804	0.052	45.827	0.048	45.852	0.024
45.875	-0.024	45.898	-0.068	45.910	-0.081	45.926	-0.061
45.943	-0.029	45.957	0.011	45.965	0.010	45.984	-0.014
46.002	-0.034	46.013	-0.034	46.034	-0.003	46.055	0.025
46.070	0.048	46.090	0.040	46.105	0.008	46.121	-0.029
46.131	-0.041	46.150	-0.021	46.172	-0.022	46.189	-0.006
46.208	-0.023	46.225	0.009	46.241	0.012	46.253	0.048
46.262	0.072	46.273	0.052	46.282	0.036	46.301	0.031
46.314	-0.005	46.328	-0.045	46.338	-0.053	46.355	-0.033
46.376	-0.022	46.397	-0.034	46.406	-0.046	46.420	-0.027
46.436	-0.031	46.449	-0.035	46.466	-0.004	46.478	0.008
46.491	-0.004	46.511	-0.012	46.543	0.007	46.567	0.015
46.583	0.015	46.602	-0.009	46.616	-0.025	46.626	-0.017
46.638	-0.021	46.655	0.019	46.679	0.039	46.700	0.043
46.720	0.023	46.736	-0.021	46.747	-0.037	46.775	-0.033
46.794	-0.049	46.811	-0.049	46.833	-0.013	46.855	0.031
46.869	0.031	46.888	0.007	46.904	-0.029	46.929	-0.032
46.940	-0.032	46.953	-0.012	46.972	-0.012	46.997	-0.008
47.022	0.012	47.040	0.020	47.053	0.024	47.070	0.004
47.085	-0.000	47.102	-0.032	47.111	-0.032	47.125	-0.016
47.141	0.020	47.156	0.047	47.174	0.059	47.194	0.035
47.214	-0.025	47.228	-0.076	47.241	-0.085	47.252	-0.061
47.277	-0.001	47.288	0.035	47.300	0.031	47.308	0.031
47.320	0.038	47.337	0.006	47.356	-0.018	47.373	-0.050
47.391	-0.050	47.413	-0.030	47.430	-0.002	47.440	-0.002
47.457	0.021	47.473	0.009	47.494	-0.003	47.514	-0.027
47.545	-0.015	47.561	0.016	47.580	0.032	47.599	0.040
47.611	0.020	47.622	0.012	47.646	-0.024	47.675	-0.032
47.693	-0.005	47.707	0.011	47.725	0.051	47.731	0.055
47.745	0.047	47.759	0.035	47.772	0.007	47.786	-0.030
47.808	-0.038	47.828	-0.002	47.846	0.010	47.862	0.033
47.881	0.041	47.904	0.021	47.927	-0.007	47.950	-0.048
47.979	-0.048	47.998	-0.004	48.019	0.023	48.033	0.047
48.044	0.039	48.060	0.039	48.080	-0.013	48.101	-0.025
48.115	-0.029	48.127	-0.005	48.149	0.010	48.165	0.030
48.181	0.026	48.193	0.038	48.211	0.002	48.232	-0.018
48.247	-0.034	48.264	-0.022	48.284	-0.010	48.300	0.021
48.319	0.025	48.338	0.037	48.352	0.017	48.367	0.017
48.380	-0.003	48.402	-0.011	48.414	-0.035	48.432	0.001
48.462	0.029	48.486	0.017	48.508	-0.007	48.534	0.004
48.554	-0.024	48.570	-0.020	48.585	-0.024	48.602	-0.020
48.614	-0.016	48.634	0.020	48.651	0.008	48.667	0.011
48.687	-0.009	48.712	-0.001	48.723	0.007	48.736	0.027
48.756	0.011	48.769	0.010	48.788	-0.022	48.802	-0.022
48.819	-0.014	48.838	0.009	48.854	0.009	48.868	0.033
48.887	0.005	48.906	0.001	48.919	-0.015	48.945	0.004
48.971	0.024	48.995	0.003	49.021	-0.001	49.039	0.006
49.057	-0.018	49.094	-0.023	49.127	-0.007	49.149	0.012

49.162	0.008	49.173	0.023	49.191	0.003	49.211	-0.001
49.229	-0.025	49.248	-0.037	49.259	-0.041	49.277	0.011
49.285	0.015	49.297	0.011	49.311	0.019	49.334	-0.001
49.362	-0.021	49.380	0.002	49.395	-0.002	49.416	0.010
49.432	-0.014	49.445	-0.002	49.459	-0.022	49.482	-0.014
49.497	-0.009	49.515	0.003	49.537	0.020	49.551	0.004
49.567	-0.012	49.597	-0.011	49.629	-0.010	49.659	-0.013
49.686	0.023	49.712	0.051	49.741	0.024	49.757	-0.015
49.777	-0.027	49.791	-0.039	49.811	-0.011	49.849	0.006
49.858	0.010	49.878	0.026	49.890	0.018	49.914	0.003
49.938	-0.037	49.957	-0.056	49.978	-0.028	49.995	-0.008
50.018	0.039	50.044	0.071	50.057	0.055	50.074	0.047
50.101	-0.029	50.118	-0.061	50.145	-0.062	50.164	-0.042
50.191	0.021	50.212	0.061	50.237	0.065	50.267	0.016
50.291	-0.044	50.326	-0.044	50.352	-0.013	50.369	0.015
50.396	0.026	50.410	0.042	50.447	0.022	50.466	-0.031
50.487	-0.019	50.517	-0.007	50.554	-0.016	50.583	-0.004
50.607	0.004	50.627	0.007	50.657	-0.037	50.687	-0.041
50.708	-0.002	50.734	0.022	50.765	0.010	50.787	-0.010
50.829	-0.019	50.862	-0.019	50.902	0.000	50.918	0.012
50.957	0.007	50.982	0.019	51.013	0.011	51.038	-0.010
51.064	-0.030	51.096	-0.039	51.128	-0.011	51.142	0.028
51.159	0.044	51.175	0.032	51.191	-0.004	51.209	-0.036
51.238	-0.061	51.260	-0.037	51.282	0.002	51.313	0.022
51.341	0.037	51.373	0.025	51.391	-0.019	51.409	-0.036
51.426	-0.052	51.446	-0.028	51.475	0.031	51.496	0.023
51.531	0.011	51.562	-0.020	51.580	-0.032	51.594	-0.064
51.624	-0.056	51.651	0.001	51.674	0.045	51.694	0.053
51.717	0.037	51.727	-0.011	51.755	-0.026	51.777	-0.038
51.787	-0.054	51.814	-0.030	51.834	-0.010	51.846	0.021
51.877	0.022	51.901	0.026	51.918	0.006	51.949	-0.026
51.970	-0.038	51.997	-0.038	52.025	0.002	52.048	0.037
52.079	0.041	52.116	0.004	52.140	-0.056	52.164	-0.073
52.188	-0.032	52.210	0.020	52.229	0.033	52.256	0.029
52.283	-0.002	52.314	-0.018	52.334	-0.033	52.355	-0.013
52.391	-0.014	52.416	0.018	52.449	0.009	52.467	-0.020
52.489	-0.036	52.505	-0.028	52.521	-0.008	52.539	-0.023
52.561	-0.015	52.584	-0.003	52.611	0.013	52.624	0.021
52.652	0.010	52.669	-0.026	52.705	-0.041	52.715	-0.021
52.740	-0.005	52.763	0.023	52.781	0.031	52.807	0.027
52.821	0.023	52.839	-0.036	52.865	-0.052	52.893	-0.016
52.911	0.008	52.923	0.040	52.943	0.044	52.963	0.040
52.975	-0.004	52.992	-0.032	53.008	-0.041	53.026	-0.015
53.045	-0.013	53.065	0.016	53.073	0.028	53.083	0.035
53.094	0.035	53.106	0.011	53.119	-0.005	53.129	-0.021
53.140	-0.033	53.152	-0.046	53.167	-0.046	53.181	-0.026
53.194	0.002	53.213	0.038	53.224	0.063	53.238	0.051
53.249	0.043	53.259	0.036	53.269	-0.016	53.277	-0.036
53.287	-0.047	53.295	-0.047	53.306	-0.071	53.317	-0.059
53.329	-0.042	53.337	-0.030	53.344	-0.022	53.357	0.010
53.370	0.030	53.382	0.038	53.399	0.038	53.418	0.030
53.432	0.023	53.444	0.011	53.463	-0.013	53.476	-0.037
53.496	-0.040	53.522	-0.044	53.523	-0.044	53.537	-0.012
53.547	0.008	53.572	0.031	53.572	0.031	53.591	0.039
53.604	0.027	53.643	0.010	53.652	0.006	53.656	0.013
53.674	-0.011	53.695	-0.015	53.707	-0.023	53.716	-0.016

53.738	-0.032	53.758	-0.021	53.765	-0.021	53.776	-0.013
53.788	-0.010	53.824	-0.023	53.838	0.000	53.838	-0.008
53.860	0.007	53.894	-0.014	53.895	-0.014	53.915	-0.027
53.936	-0.028	53.955	-0.026	53.972	-0.013	53.984	0.002
54.007	0.013	54.021	0.017	54.038	0.025	54.049	0.009
54.069	0.012	54.085	-0.008	54.102	-0.032	54.121	-0.040
54.134	-0.036	54.147	-0.037	54.154	-0.009	54.165	0.015
54.178	0.015	54.187	0.019	54.203	0.015	54.212	-0.005
54.228	0.011	54.241	-0.033	54.264	-0.037	54.275	-0.029
54.289	-0.025	54.296	-0.017	54.301	-0.021	54.319	-0.005
54.338	0.007	54.350	0.003	54.361	0.019	54.393	0.011
54.394	0.011	54.401	0.011	54.411	-0.005	54.416	-0.017
54.422	-0.005	54.430	-0.021	54.436	-0.033	54.454	-0.025
54.461	-0.009	54.469	-0.009	54.477	-0.021	54.489	-0.005
54.496	0.003	54.505	0.002	54.514	0.010	54.527	0.002
54.536	-0.002	54.545	-0.010	54.558	-0.010	54.567	-0.010
54.577	-0.018	54.587	-0.018	54.598	-0.007	54.613	0.013
54.622	0.029	54.643	0.025	54.660	0.024	54.672	0.008
54.688	-0.008	54.697	-0.016	54.708	-0.060	54.713	-0.072
54.725	-0.060	54.734	-0.040	54.751	-0.028	54.757	-0.013
54.763	0.003	54.777	0.019	54.790	0.015	54.801	0.023
54.813	0.026	54.823	0.026	54.833	0.006	54.848	-0.022
54.855	-0.026	54.864	-0.046	54.876	-0.062	54.882	-0.070
54.893	-0.058	54.905	-0.042	54.917	-0.027	54.925	-0.007
54.933	0.009	54.945	0.021	54.959	0.021	54.971	0.033
54.980	0.017	54.992	0.041	55.003	0.049	55.027	0.041
55.035	0.029	55.047	0.009	55.057	-0.015	55.069	-0.039
55.077	-0.067	55.083	-0.083	55.088	-0.091	55.102	-0.083
55.111	-0.067	55.122	-0.043	55.134	-0.019	55.143	-0.003
55.156	0.009	55.164	0.009	55.172	0.009	55.189	0.021
55.207	0.029	55.221	0.037	55.232	0.041	55.245	0.017
55.260	-0.023	55.275	-0.067	55.288	-0.095	55.300	-0.083
55.313	-0.048	55.329	0.000	55.341	0.040	55.353	0.044
55.366	0.028	55.385	0.016	55.400	-0.004	55.415	-0.024
55.435	-0.028	55.453	-0.028	55.461	-0.017	55.481	-0.001
55.497	-0.001	55.506	-0.001	55.513	-0.013	55.533	-0.006
55.560	0.006	55.574	0.018	55.587	0.018	55.596	0.010
55.606	-0.006	55.623	-0.027	55.640	-0.027	55.649	-0.027
55.661	-0.011	55.675	-0.015	55.690	-0.015	55.691	-0.015
55.704	-0.016	55.721	-0.032	55.749	0.004	55.765	0.032
55.776	0.044	55.790	0.047	55.800	0.039	55.813	0.003
55.825	-0.029	55.833	-0.037	55.846	-0.045	55.857	-0.029
55.867	-0.005	55.882	0.015	55.893	0.003	55.902	0.007
55.911	-0.009	55.921	-0.041	55.928	-0.065	55.938	-0.065
55.952	-0.045	55.961	-0.010	55.971	0.046	55.985	0.090
55.993	0.106	56.002	0.130	56.016	0.110	56.031	0.046
56.048	-0.058	56.060	-0.122	56.069	-0.145	56.083	-0.133
56.099	-0.082	56.114	-0.010	56.141	0.066	56.152	0.098
56.171	0.118	56.186	0.116	56.193	0.110	56.205	0.054
56.215	-0.017	56.226	-0.077	56.240	-0.121	56.249	-0.141
56.264	-0.133	56.278	-0.077	56.289	0.015	56.302	0.091
56.312	0.138	56.325	0.146	56.337	0.142	56.350	0.075
56.361	-0.009	56.372	-0.085	56.384	-0.125	56.396	-0.129
56.410	-0.113	56.421	-0.073	56.434	-0.021	56.445	0.042
56.461	0.074	56.473	0.062	56.492	0.030	56.505	0.010
56.522	-0.022	56.535	-0.042	56.554	-0.046	56.575	-0.046

56.591	-0.023	56.612	0.021	56.626	0.045	56.637	0.064
56.657	0.060	56.670	0.036	56.676	-0.008	56.685	-0.040
56.699	-0.080	56.713	-0.068	56.727	-0.048	56.746	-0.009
56.758	0.031	56.773	0.047	56.785	0.059	56.802	0.058
56.812	0.054	56.826	0.038	56.840	0.002	56.856	-0.022
56.867	-0.018	56.878	-0.034	56.896	-0.046	56.909	-0.035
56.928	-0.019	56.948	0.005	56.966	0.020	56.991	0.064
57.006	0.100	57.020	0.076	57.030	0.044	57.037	0.032
57.043	-0.012	57.055	-0.040	57.075	-0.072	57.090	-0.088
57.100	-0.072	57.110	-0.060	57.120	-0.005	57.131	0.047
57.146	0.091	57.157	0.118	57.169	0.114	57.177	0.094
57.190	0.038	57.211	-0.006	57.226	-0.022	57.241	-0.046
57.258	-0.046	57.268	-0.062	57.286	-0.062	57.298	-0.034
57.318	-0.006	57.329	0.014	57.351	0.023	57.374	0.031
57.392	0.035	57.407	0.043	57.418	0.035	57.436	0.015
57.457	-0.008	57.465	-0.020	57.480	-0.040	57.489	-0.052
57.502	-0.028	57.518	-0.020	57.530	0.008	57.545	0.052
57.558	0.069	57.569	0.085	57.580	0.065	57.589	0.037
57.599	0.037	57.613	-0.002	57.627	-0.026	57.642	-0.058
57.656	-0.070	57.669	-0.057	57.685	-0.049	57.696	-0.005
57.716	0.043	57.730	0.055	57.756	0.051	57.785	0.039
57.796	0.032	57.802	0.024	57.813	0.004	57.824	-0.036
57.834	-0.060	57.848	-0.068	57.865	-0.052	57.876	-0.024
57.890	0.001	57.906	0.033	57.919	0.049	57.938	0.049
57.948	0.021	57.966	0.001	57.979	-0.011	57.989	-0.031
58.001	-0.031	58.010	-0.031	58.021	-0.047	58.043	-0.047
58.057	-0.047	58.068	-0.032	58.084	-0.008	58.101	0.032
58.116	0.072	58.129	0.084	58.142	0.072	58.151	0.048
58.165	-0.004	58.176	-0.040	58.186	-0.072	58.201	-0.073
58.216	-0.069	58.226	-0.049	58.244	-0.006	58.260	0.010
58.271	0.037	58.289	0.029	58.307	0.028	58.319	0.008
58.326	-0.000	58.338	-0.008	58.345	-0.013	58.355	-0.033
58.369	-0.049	58.376	-0.057	58.388	-0.062	58.409	-0.042
58.422	-0.027	58.434	-0.003	58.448	0.012	58.460	0.020
58.477	0.007	58.489	-0.005	58.506	-0.018	58.519	-0.026
58.533	-0.026	58.550	-0.019	58.564	-0.031	58.572	-0.024
58.581	-0.036	58.597	-0.021	58.606	-0.013	58.618	-0.005
58.626	-0.010	58.630	-0.014	58.639	-0.002	58.650	-0.010
58.659	-0.015	58.680	-0.015	58.694	0.000	58.707	0.028
58.722	0.027	58.735	0.019	58.751	0.002	58.769	-0.034
58.782	-0.039	58.797	-0.043	58.817	-0.016	58.829	-0.000
58.842	0.027	58.856	0.031	58.870	0.016	58.880	0.006
58.902	-0.014	58.912	-0.030	58.925	-0.062	58.938	-0.062
58.963	-0.035	58.984	-0.015	59.005	0.005	59.016	0.024
59.043	0.020	59.054	0.004	59.068	-0.016	59.079	-0.024
59.090	-0.040	59.104	-0.033	59.132	-0.025	59.157	-0.024
59.184	-0.004	59.207	0.012	59.233	-0.007	59.254	-0.007
59.269	-0.011	59.293	-0.011	59.307	0.001	59.322	0.006
59.340	0.006	59.361	0.002	59.377	0.002	59.386	-0.005
59.400	-0.009	59.411	-0.009	59.419	-0.025	59.433	-0.025
59.450	-0.009	59.463	-0.016	59.482	-0.008	59.500	-0.012
59.516	-0.024	59.524	-0.027	59.544	-0.007	59.574	-0.007
59.595	-0.007	59.612	0.001	59.633	0.001	59.650	0.001
59.662	-0.007	59.689	-0.006	59.710	-0.002	59.724	0.002
59.732	-0.010	59.744	0.010	59.765	0.022	59.781	0.018
59.793	0.010	59.799	-0.002	59.824	-0.002	59.833	-0.018

59.859	-0.010	59.874	-0.002	59.895	0.002	59.910	0.018
59.922	0.018	59.931	0.006	59.947	0.006	59.959	0.002
59.975	-0.014	59.989	-0.022	60.006	-0.026	60.023	-0.018
60.031	-0.010	60.047	0.018	60.057	0.029	60.073	0.017
60.092	-0.027	60.111	-0.047	60.131	-0.035	60.150	-0.003
60.165	0.029	60.179	0.040	60.204	0.016	60.218	-0.004
60.235	-0.028	60.256	-0.040	60.272	-0.053	60.294	-0.029
60.322	0.014	60.344	0.038	60.366	0.029	60.380	-0.007
60.405	-0.043	60.430	-0.055	60.459	-0.024	60.490	0.008
60.501	0.008	60.524	-0.000	60.539	-0.024	60.556	-0.040
60.582	-0.028	60.601	-0.032	60.629	-0.004	60.653	0.008
60.669	0.020	60.687	-0.008	60.707	-0.024	60.724	-0.036
60.749	-0.024	60.772	-0.004	60.792	-0.004	60.809	-0.008
60.826	-0.036	60.845	-0.048	60.867	-0.036	60.888	-0.012
60.910	0.032	60.927	0.036	60.948	0.039	60.965	-0.001
60.986	-0.049	60.998	-0.074	61.016	-0.074	61.032	-0.074
61.049	-0.043	61.062	0.001	61.081	0.032	61.096	0.039
61.124	0.035	61.135	0.027	61.151	-0.006	61.170	-0.026
61.195	-0.046	61.216	-0.031	61.236	-0.003	61.253	0.024
61.272	0.036	61.286	0.024	61.302	-0.008	61.319	-0.025
61.331	-0.053	61.349	-0.041	61.369	-0.021	61.387	0.010
61.412	0.030	61.439	0.014	61.463	-0.014	61.484	-0.030
61.502	-0.042	61.525	-0.034	61.535	-0.015	61.549	0.021
61.577	0.029	61.587	0.009	61.604	-0.023	61.619	-0.035
61.626	-0.055	61.645	-0.035	61.664	-0.019	61.670	-0.011
61.681	0.013	61.695	0.009	61.713	-0.007	61.730	-0.012
61.738	-0.012	61.747	0.008	61.774	0.008	61.790	0.008
61.798	-0.004	61.820	-0.028	61.831	-0.040	61.849	-0.020
61.856	-0.016	61.867	-0.032	61.882	0.000	61.911	0.012
61.928	0.024	61.947	0.024	61.959	0.024	61.973	0.012
61.986	0.005	62.003	-0.027	62.020	-0.043	62.035	-0.051
62.058	-0.027	62.080	0.001	62.102	0.017	62.122	0.025
62.137	0.013	62.156	-0.015	62.172	-0.035	62.196	-0.031
62.231	-0.027	62.269	-0.023	62.289	-0.003	62.306	-0.015
62.319	0.005	62.339	0.013	62.354	0.021	62.365	0.009
62.385	-0.007	62.397	-0.019	62.411	-0.027	62.424	-0.011
62.435	-0.034	62.463	-0.018	62.478	-0.010	62.494	0.010
62.510	-0.006	62.529	0.002	62.549	-0.010	62.572	-0.025
62.594	-0.009	62.620	0.011	62.627	0.015	62.644	0.003
62.664	-0.008	62.679	-0.008	62.693	0.008	62.713	-0.004
62.733	-0.003	62.744	-0.003	62.764	-0.015	62.778	-0.023
62.798	-0.027	62.814	-0.034	62.826	-0.006	62.854	-0.002
62.869	-0.006	62.887	-0.002	62.907	-0.006	62.929	-0.005
62.942	-0.021	62.958	-0.001	62.979	-0.013	62.992	-0.001
63.005	-0.005	63.026	-0.004	63.042	-0.012	63.058	-0.008
63.066	-0.020	63.098	0.001	63.106	-0.007	63.121	-0.003
63.132	-0.003	63.145	-0.019	63.185	-0.018	63.196	-0.006
63.214	-0.010	63.241	-0.013	63.250	-0.017	63.261	-0.009
63.271	-0.025	63.298	-0.024	63.316	-0.024	63.328	0.000
63.357	0.009	63.366	0.013	63.377	-0.003	63.394	0.005
63.409	-0.015	63.430	-0.019	63.456	-0.018	63.479	-0.018
63.494	-0.002	63.503	-0.014	63.516	-0.014	63.535	0.002
63.560	0.010	63.570	0.010	63.589	-0.006	63.602	-0.018
63.612	-0.038	63.641	-0.032	63.659	-0.028	63.679	-0.019
63.703	-0.009	63.711	-0.020	63.721	-0.030	63.732	-0.025
63.743	-0.025	63.751	-0.016	63.772	-0.020	63.794	-0.005

63.805	-0.021	63.830	-0.002	63.854	0.005	63.878	-0.003
63.900	0.008	63.916	0.008	63.933	0.007	63.947	-0.021
63.960	-0.013	63.973	-0.029	64.009	-0.002	64.033	0.014
64.050	0.022	64.075	0.005	64.088	0.005	64.107	-0.019
64.138	-0.004	64.159	0.000	64.174	-0.004	64.202	-0.004
64.227	0.008	64.253	0.008	64.271	-0.020	64.291	0.006
64.323	-0.000	64.342	-0.004	64.372	-0.004	64.398	-0.001
64.419	-0.005	64.463	-0.037	64.486	-0.022	64.522	0.002
64.558	0.021	64.581	0.001	64.607	-0.028	64.628	-0.012
64.639	-0.016	64.666	0.011	64.691	0.023	64.720	0.023
64.745	-0.001	64.769	-0.025	64.794	-0.014	64.821	0.002
64.851	-0.002	64.886	-0.002	64.924	-0.003	64.955	-0.003
64.972	-0.015	64.993	-0.007	65.007	-0.027	65.034	-0.016
65.066	0.008	65.097	0.031	65.127	0.019	65.151	-0.010
65.183	-0.030	65.191	-0.011	65.204	-0.031	65.220	-0.011
65.247	-0.012	65.256	-0.004	65.266	-0.008	65.282	0.011
65.302	0.015	65.318	0.023	65.340	-0.001	65.367	-0.042
65.385	-0.026	65.401	-0.038	65.431	-0.015	65.458	0.009
65.488	0.009	65.512	-0.012	65.543	-0.036	65.561	-0.008
65.589	0.004	65.609	-0.008	65.657	-0.012	65.677	-0.036
65.698	-0.012	65.715	-0.012	65.728	0.004	65.762	-0.000
65.792	-0.008	65.809	-0.012	65.842	-0.012	65.874	-0.028
65.900	-0.008	65.932	0.016	65.973	-0.012	66.003	-0.028
66.044	-0.024	66.085	-0.012	66.125	0.016	66.147	0.000
66.186	-0.007	66.233	0.001	66.301	0.001	66.330	0.017
66.350	-0.010	66.391	-0.010	66.418	-0.006	66.433	0.010
66.454	-0.009	66.500	-0.017	66.540	-0.017	66.582	-0.025
66.603	-0.005	66.647	0.004	66.698	0.004	66.714	-0.012
66.748	-0.008	66.781	0.004	66.817	-0.009	66.846	-0.005
66.875	-0.013	66.910	-0.017	66.934	0.007	66.957	-0.013
66.973	-0.005	67.001	-0.014	67.018	-0.034	67.045	-0.023
67.080	-0.011	67.101	0.008	67.138	0.027	67.157	-0.009
67.186	-0.029	67.217	-0.026	67.241	-0.007	67.278	0.016
67.306	0.012	67.331	-0.009	67.367	-0.033	67.415	-0.028
67.439	0.020	67.459	0.036	67.470	0.056	67.492	0.026
67.511	-0.003	67.536	-0.055	67.558	-0.082	67.575	-0.062
67.596	-0.010	67.624	0.042	67.638	0.062	67.663	0.054
67.688	-0.001	67.705	-0.029	67.717	-0.077	67.741	-0.117
67.763	-0.102	67.785	-0.010	67.803	0.053	67.814	0.085
67.826	0.092	67.842	0.112	67.858	0.080	67.870	0.052
67.883	0.004	67.900	-0.072	67.913	-0.096	67.935	-0.112
67.955	-0.092	67.971	-0.029	67.996	0.035	68.012	0.063
68.042	0.091	68.061	0.031	68.086	-0.045	68.099	-0.088
68.119	-0.108	68.140	-0.076	68.167	-0.012	68.176	0.044
68.198	0.060	68.224	0.044	68.242	0.016	68.263	-0.036
68.288	-0.048	68.318	-0.048	68.345	-0.013	68.362	0.011
68.376	0.047	68.410	0.039	68.435	-0.021	68.467	-0.065
68.486	-0.038	68.515	0.017	68.538	0.021	68.567	0.017
68.582	0.056	68.606	0.004	68.632	-0.044	68.658	-0.045
68.685	-0.022	68.711	0.001	68.731	0.029	68.747	0.040
68.764	0.020	68.786	0.023	68.810	-0.010	68.832	-0.031
68.864	-0.053	68.896	-0.003	68.921	0.052	68.946	0.058
68.964	0.041	68.977	0.009	68.993	-0.000	69.003	-0.053
69.022	-0.086	69.042	-0.071	69.070	-0.008	69.094	0.031
69.117	0.051	69.137	0.026	69.150	0.026	69.164	-0.026
69.178	-0.070	69.188	-0.058	69.199	-0.074	69.227	-0.047

69.258	0.005	69.292	0.026	69.326	-0.014	69.355	-0.038
69.371	-0.041	69.388	-0.009	69.426	-0.009	69.457	-0.029
69.484	-0.009	69.521	0.035	69.552	0.004	69.576	-0.032
69.594	-0.012	69.630	-0.016	69.662	-0.036	69.687	0.017
69.724	0.021	69.735	0.006	69.758	-0.042	69.776	-0.058
69.800	-0.029	69.816	0.011	69.830	0.039	69.850	0.027
69.882	-0.028	69.896	-0.012	69.931	0.017	69.953	-0.019
69.972	-0.038	69.994	-0.026	70.027	0.010	70.048	0.003
70.074	-0.017	70.090	0.003	70.116	0.020	70.145	0.000
70.159	-0.035	70.186	-0.043	70.208	-0.027	70.234	0.014
70.260	0.017	70.296	0.008	70.317	-0.033	70.331	-0.053
70.354	-0.022	70.377	0.029	70.408	0.023	70.430	0.022
70.450	0.037	70.471	-0.011	70.491	-0.072	70.505	-0.089
70.532	-0.054	70.550	0.017	70.580	0.097	70.600	0.069
70.621	-0.007	70.638	-0.059	70.666	-0.063	70.685	-0.055
70.712	-0.055	70.734	-0.003	70.752	0.045	70.770	0.077
70.793	0.041	70.814	-0.011	70.836	-0.034	70.854	-0.058
70.882	-0.074	70.913	-0.062	70.940	-0.006	70.957	0.054
70.983	0.086	71.007	0.043	71.026	0.003	71.044	-0.061
71.073	-0.093	71.103	-0.061	71.123	-0.006	71.144	0.050
71.162	0.070	71.188	0.026	71.215	-0.026	71.242	-0.046
71.274	-0.038	71.295	0.002	71.324	0.025	71.351	0.009
71.376	-0.035	71.398	-0.048	71.431	-0.016	71.467	0.003
71.496	-0.001	71.520	-0.013	71.543	-0.042	71.564	-0.038
71.583	-0.058	71.610	-0.014	71.635	0.017	71.646	0.005
71.663	0.005	71.682	-0.031	71.698	-0.043	71.711	-0.051
71.732	-0.027	71.763	-0.019	71.806	-0.028	71.837	-0.020
71.876	0.024	71.894	0.012	71.911	-0.020	71.935	-0.000
71.965	0.004	71.984	-0.044	72.011	-0.084	72.032	-0.044
72.053	0.004	72.072	0.052	72.093	0.056	72.102	0.012
72.111	-0.036	72.145	-0.060	72.160	-0.032	72.174	0.008
72.203	0.044	72.220	0.016	72.234	-0.032	72.251	-0.060
72.281	-0.036	72.307	-0.008	72.333	0.004	72.351	-0.016
72.370	-0.004	72.401	-0.028	72.417	-0.036	72.434	-0.020
72.473	-0.008	72.491	0.004	72.503	0.052	72.522	0.080
72.538	0.068	72.552	-0.004	72.567	-0.076	72.589	-0.112
72.608	-0.080	72.627	-0.028	72.641	0.028	72.663	0.012
72.682	-0.000	72.705	0.048	72.723	0.024	72.739	-0.012
72.758	-0.048	72.784	-0.024	72.805	-0.000	72.838	-0.024
72.879	-0.004	72.902	-0.052	72.928	-0.056	72.955	0.028
72.977	0.068	72.998	0.016	73.022	-0.040	73.048	-0.060
73.067	-0.024	73.092	0.020	73.115	0.028	73.145	-0.004
73.163	0.048	73.179	0.072	73.194	0.028	73.213	-0.052
73.223	-0.100	73.247	-0.112	73.266	-0.020	73.285	0.044
73.302	0.060	73.318	0.020	73.345	-0.052	73.363	-0.020
73.377	0.052	73.395	0.080	73.412	0.028	73.430	-0.076
73.445	-0.100	73.462	-0.060	73.483	0.067	73.497	0.107
73.512	0.071	73.530	-0.028	73.550	-0.064	73.570	-0.032
73.585	0.019	73.601	0.035	73.620	-0.017	73.650	-0.084
73.669	-0.053	73.691	0.055	73.710	0.091	73.723	0.075
73.745	0.003	73.764	-0.013	73.789	-0.021	73.809	-0.081
73.832	-0.065	73.862	-0.026	73.881	0.010	73.904	0.034
73.926	0.101	73.939	0.121	73.958	0.065	73.977	-0.066
73.968	-0.166	74.001	-0.190	74.020	-0.126	74.043	0.021
74.057	0.080	74.073	0.088	74.097	0.032	74.114	-0.024
74.136	-0.079	74.173	-0.055	74.194	-0.051	74.207	-0.015

74.219	0.040	74.238	0.045	74.255	0.057	74.266	0.057
74.279	0.021	74.293	-0.039	74.302	-0.090	74.311	-0.122
74.334	-0.062	74.352	0.053	74.367	0.117	74.384	0.066
74.397	-0.006	74.412	-0.034	74.425	-0.042	74.443	-0.081
74.463	-0.101	74.474	-0.073	74.491	0.019	74.502	0.090
74.519	0.130	74.532	0.095	74.545	0.035	74.555	-0.005
74.578	-0.061	74.592	-0.089	74.606	-0.088	74.625	-0.045
74.640	0.011	74.655	0.043	74.670	0.047	74.684	0.031
74.695	0.015	74.705	0.015	74.714	-0.016	74.725	-0.060
74.748	-0.068	74.767	-0.068	74.788	-0.020	74.808	0.060
74.817	0.103	74.827	0.115	74.838	0.100	74.851	0.048
74.865	-0.012	74.885	-0.028	74.899	-0.037	74.915	-0.100
74.926	-0.105	74.940	-0.077	74.956	-0.001	74.965	0.042
74.973	0.070	74.985	0.054	75.006	0.042	75.029	0.038
75.040	0.034	75.063	0.001	75.081	-0.043	75.104	-0.031
75.126	0.001	75.145	0.005	75.166	0.004	75.182	-0.004
75.193	-0.008	75.212	-0.001	75.232	-0.017	75.246	-0.041
75.268	-0.002	75.279	0.025	75.299	0.037	75.315	0.045
75.333	0.008	75.341	-0.020	75.352	-0.024	75.370	0.015
75.381	0.043	75.398	-0.001	75.415	-0.050	75.429	-0.062
75.444	-0.042	75.455	-0.027	75.476	0.037	75.491	0.052
75.508	0.052	75.526	0.019	75.543	-0.033	75.553	-0.041
75.563	-0.041	75.581	0.018	75.599	0.062	75.608	0.066
75.623	0.022	75.635	0.014	75.657	-0.034	75.678	-0.043
75.698	-0.039	75.717	-0.015	75.734	0.004	75.754	-0.016
75.773	-0.028	75.791	-0.028	75.813	0.004	75.822	0.016
75.834	0.012	75.840	0.020	75.856	-0.016	75.866	-0.032
75.877	-0.028	75.891	-0.040	75.910	-0.016	75.928	0.024
75.936	0.024	75.949	0.004	75.962	-0.008	75.979	0.004
75.999	0.020	76.016	0.032	76.036	0.004	76.055	-0.028
76.078	-0.008	76.094	-0.024	76.116	-0.012	76.136	0.028
76.156	0.048	76.170	0.048	76.183	0.012	76.197	-0.028
76.217	-0.060	76.235	-0.080	76.249	-0.072	76.264	-0.060
76.278	-0.036	76.299	0.008	76.319	0.060	76.341	0.088
76.353	0.068	76.368	0.020	76.385	-0.048	76.403	-0.092
76.416	-0.092	76.433	-0.060	76.452	0.028	76.469	0.072
76.477	0.080	76.496	0.048	76.515	0.016	76.535	-0.016
76.555	-0.040	76.577	-0.060	76.591	-0.064	76.599	-0.052
76.620	0.027	76.633	0.047	76.644	0.051	76.660	0.027
76.681	-0.029	76.697	-0.081	76.716	-0.069	76.735	-0.021
76.751	0.043	76.765	0.067	76.780	0.055	76.796	0.003
76.814	-0.013	76.824	-0.029	76.843	-0.002	76.853	0.010
76.862	-0.006	76.876	-0.002	76.894	-0.014	76.911	-0.010
76.918	-0.002	76.933	-0.006	76.956	0.041	76.967	0.037
76.979	0.045	76.999	-0.011	77.015	-0.019	77.031	-0.071
77.053	-0.063	77.067	-0.051	77.084	0.001	77.102	0.056
77.116	0.092	77.134	0.076	77.150	0.056	77.164	0.008
77.180	-0.036	77.196	-0.060	77.215	-0.052	77.230	-0.044
77.246	-0.012	77.262	0.020	77.270	0.032	77.285	0.044
77.301	0.044	77.314	0.048	77.330	0.012	77.342	-0.016
77.351	-0.032	77.363	-0.068	77.380	-0.056	77.399	-0.036
77.413	0.024	77.435	0.064	77.453	0.064	77.472	0.036
77.484	0.012	77.502	-0.028	77.519	-0.028	77.537	-0.060
77.552	-0.052	77.567	-0.040	77.582	0.000	77.601	0.020
77.623	0.052	77.640	0.040	77.652	0.037	77.670	0.005
77.688	-0.019	77.703	-0.039	77.715	-0.015	77.736	0.025

77.752	0.045	77.770	0.009	77.787	-0.011	77.803	-0.027
77.826	-0.023	77.847	-0.003	77.862	0.017	77.878	0.041
77.889	0.065	77.902	0.045	77.919	0.030	77.932	-0.006
77.949	-0.038	77.963	-0.066	77.975	-0.090	77.967	-0.074
78.004	-0.050	78.015	-0.022	78.029	0.025	78.049	0.065
78.057	0.093	78.081	0.077	78.086	0.061	78.100	0.001
78.115	-0.031	78.131	-0.048	78.150	-0.052	78.168	-0.036
78.194	0.031	78.216	0.087	78.226	0.098	78.246	0.082
78.258	0.066	78.276	-0.002	78.293	-0.054	78.306	-0.075
78.323	-0.075	78.340	-0.043	78.360	0.020	78.381	0.047
78.394	0.059	78.413	0.063	78.432	0.026	78.452	-0.030
78.468	-0.054	78.473	-0.070	78.494	-0.058	78.516	-0.015
78.534	-0.003	78.547	0.005	78.558	0.017	78.576	0.004
78.588	0.012	78.605	0.024	78.625	0.036	78.642	0.031
78.657	0.027	78.675	-0.001	78.694	-0.021	78.713	-0.021
78.728	-0.001	78.745	0.006	78.763	0.018	78.776	0.022
78.797	0.042	78.806	0.041	78.820	0.033	78.837	-0.003
78.852	-0.027	78.869	-0.043	78.885	-0.055	78.904	-0.039
78.921	-0.004	78.938	0.024	78.957	0.052	78.975	0.044
78.991	0.016	79.010	-0.020	79.028	-0.040	79.039	-0.052
79.056	-0.036	79.077	-0.013	79.100	0.019	79.108	0.023
79.121	0.043	79.138	0.027	79.157	0.011	79.174	-0.005
79.195	-0.017	79.213	-0.025	79.230	-0.017	79.248	-0.008
79.266	0.012	79.283	0.028	79.298	0.036	79.312	0.020
79.331	0.021	79.348	-0.003	79.368	-0.019	79.382	-0.035
79.398	-0.034	79.411	-0.026	79.425	-0.022	79.439	0.010
79.453	0.030	79.470	0.038	79.484	0.038	79.503	0.014
79.520	-0.021	79.536	-0.049	79.552	-0.049	79.568	-0.029
79.583	0.003	79.595	0.023	79.610	0.039	79.624	0.047
79.641	0.040	79.663	0.004	79.688	-0.008	79.704	-0.008
79.723	-0.004	79.738	-0.016	79.761	-0.016	79.779	0.008
79.795	0.024	79.813	0.036	79.824	0.044	79.842	0.024
79.858	0.008	79.875	-0.020	79.891	-0.012	79.905	-0.016
79.918	-0.008	79.930	0.016	79.946	-0.000	79.964	-0.000
79.986	-0.000	80.006	0.028	80.017	0.044	80.033	0.036
80.050	0.024	80.065	0.015	80.083	-0.001	80.103	-0.013
80.120	-0.021	80.133	-0.029	80.142	-0.021	80.159	-0.001
80.176	0.023	80.191	0.035	80.203	0.027	80.215	0.031
80.230	0.023	80.239	0.022	80.251	0.018	80.268	-0.014
80.281	-0.034	80.298	-0.034	80.311	-0.018	80.327	0.017
80.345	0.033	80.361	0.053	80.376	0.029	80.393	0.021
80.409	-0.007	80.429	-0.012	80.448	-0.012	80.467	-0.008
80.480	-0.021	80.489	-0.021	80.503	-0.017	80.513	-0.029
80.535	-0.006	80.548	-0.010	80.562	0.005	80.577	0.017
80.593	0.029	80.610	0.032	80.624	0.032	80.640	0.015
80.656	-0.009	80.674	-0.041	80.679	-0.041	80.697	-0.038
80.715	-0.026	80.733	0.009	80.749	0.009	80.763	0.013
80.783	0.016	80.801	0.016	80.816	-0.005	80.827	0.011
80.845	-0.013	80.860	-0.026	80.880	-0.034	80.902	-0.015
80.918	0.001	80.937	0.016	80.957	0.008	80.975	0.008
80.989	-0.020	81.003	-0.016	81.013	-0.013	81.028	-0.005
81.056	-0.013	81.072	-0.025	81.093	-0.021	81.115	-0.009
81.136	-0.002	81.153	-0.026	81.171	-0.034	81.186	-0.034
81.204	-0.006	81.221	0.014	81.234	0.014	81.249	0.010
81.266	-0.002	81.280	-0.014	81.287	-0.034	81.298	-0.026
81.319	-0.038	81.339	-0.019	81.354	-0.023	81.369	0.001

81.387	0.013	81.403	0.029	81.418	0.005	81.434	-0.003
81.450	-0.035	81.469	-0.027	81.484	-0.019	81.505	0.009
81.524	0.009	81.537	0.020	81.553	-0.023	81.572	-0.024
81.589	-0.044	81.606	-0.028	81.617	-0.040	81.634	-0.032
81.652	-0.020	81.665	-0.000	81.680	0.020	81.700	0.024
81.706	0.024	81.719	-0.020	81.730	-0.040	81.748	-0.040
81.772	-0.028	81.786	-0.032	81.808	-0.008	81.824	0.012
81.841	0.052	81.860	0.048	81.874	0.044	81.890	-0.004
81.905	-0.028	81.925	-0.060	81.950	-0.060	81.971	-0.036
81.984	-0.016	82.007	0.028	82.029	0.028	82.042	0.028
82.059	-0.008	82.073	-0.000	82.086	-0.036	82.107	-0.036
82.122	-0.036	82.138	-0.016	82.158	0.004	82.171	0.020
82.191	0.008	82.207	0.020	82.226	0.004	82.242	-0.012
82.258	-0.040	82.274	-0.032	82.290	-0.032	82.305	-0.020
82.317	-0.004	82.326	-0.004	82.342	0.027	82.357	0.019
82.369	0.015	82.380	0.011	82.393	-0.001	82.408	-0.009
82.421	-0.033	82.440	-0.017	82.451	-0.009	82.463	-0.025
82.476	0.003	82.495	-0.013	82.512	-0.009	82.531	-0.010
82.546	0.014	82.564	0.006	82.582	0.006	82.591	-0.002
82.610	0.006	82.622	-0.006	82.638	0.001	82.646	-0.003
82.660	-0.019	82.675	-0.011	82.691	-0.023	82.708	-0.023
82.725	-0.011	82.742	0.017	82.758	0.029	82.775	0.029
82.791	-0.007	82.809	-0.019	82.825	-0.031	82.835	-0.040
82.851	-0.028	82.865	-0.040	82.881	-0.028	82.892	-0.024
82.917	0.004	82.935	0.004	82.951	0.012	82.964	-0.000
82.983	-0.008	83.003	-0.032	83.017	-0.024	83.026	-0.040
83.043	-0.000	83.060	0.008	83.076	0.004	83.083	0.008
83.091	-0.000	83.104	-0.000	83.126	-0.016	83.139	-0.016
83.148	-0.008	83.156	-0.020	83.173	-0.016	83.183	-0.016
83.200	-0.024	83.214	-0.016	83.228	-0.016	83.246	0.000
83.262	-0.008	83.278	-0.012	83.289	-0.027	83.303	-0.019
83.319	-0.023	83.325	-0.023	83.344	0.009	83.360	0.005
83.377	0.001	83.390	-0.027	83.407	-0.023	83.424	-0.023
83.444	-0.003	83.455	0.009	83.477	0.017	83.496	0.006
83.512	-0.014	83.526	-0.026	83.540	-0.018	83.561	-0.006
83.583	-0.002	83.605	0.010	83.627	-0.001	83.643	0.003
83.661	0.003	83.675	0.003	83.697	-0.015	83.716	-0.021
83.738	-0.020	83.760	0.020	83.783	0.032	83.800	0.012
83.822	-0.036	83.833	-0.044	83.851	-0.028	83.870	-0.012
83.894	-0.007	83.920	-0.011	83.941	-0.011	83.963	-0.003
83.982	0.001	84.003	0.021	84.022	0.002	84.041	-0.026
84.061	-0.022	84.079	0.010	84.093	0.030	84.106	0.030
84.122	0.010	84.139	0.003	84.154	-0.001	84.167	-0.005
84.180	-0.005	84.198	-0.033	84.220	-0.069	84.245	-0.041
84.268	0.015	84.286	0.047	84.296	0.055	84.312	0.047
84.324	0.012	84.341	-0.012	84.359	-0.044	84.378	-0.052
84.397	-0.032	84.417	-0.000	84.435	0.038	84.451	0.011
84.469	0.023	84.486	0.023	84.504	0.011	84.518	0.015
84.527	-0.017	84.543	-0.021	84.560	-0.009	84.577	-0.001
84.593	-0.042	84.607	-0.050	84.625	-0.042	84.642	-0.010
84.651	0.009	84.674	0.029	84.679	0.029	84.691	0.037
84.714	0.024	84.729	-0.004	84.742	-0.028	84.765	-0.076
84.784	-0.068	84.801	-0.033	84.820	0.011	84.835	0.007
84.851	0.030	84.863	0.026	84.882	-0.002	84.900	-0.046
84.912	-0.070	84.924	-0.078	84.936	-0.069	84.952	-0.037
84.971	0.011	84.989	0.036	84.998	0.046	85.009	0.049

85.021	0.053	85.033	0.022	85.045	-0.001	85.056	-0.032
85.070	-0.052	85.082	-0.039	85.094	-0.019	85.110	0.000
85.121	0.012	85.139	0.016	85.158	0.035	85.171	0.047
85.181	0.054	85.193	0.054	85.201	0.038	85.222	-0.014
85.241	-0.027	85.253	-0.027	85.268	-0.023	85.276	-0.023
85.281	-0.015	85.293	-0.015	85.308	-0.007	85.320	0.001
85.333	0.013	85.347	0.044	85.354	0.036	85.368	0.024
85.385	0.004	85.400	-0.004	85.410	-0.004	85.428	-0.004
85.448	-0.012	85.458	-0.000	85.466	-0.008	85.470	-0.012
85.481	-0.000	85.485	0.012	85.496	0.008	85.507	-0.000
85.518	-0.004	85.529	-0.012	85.535	-0.012	85.546	-0.004
85.559	-0.004	85.567	-0.004	85.573	-0.004	85.584	0.004
85.592	0.012	85.601	0.004	85.613	0.020	85.620	0.016
85.634	0.016	85.640	-0.000	85.648	0.016	85.653	0.008
85.662	0.000	85.678	-0.012	85.688	-0.004	85.693	-0.004
85.702	-0.016	85.715	-0.008	85.728	-0.004	85.738	0.000
85.744	0.004	85.756	0.016	85.768	0.024	85.779	0.020
85.790	0.016	85.807	0.005	85.824	0.001	85.836	0.001
85.845	0.009	85.855	0.009	85.870	-0.003	85.889	0.001
85.902	0.005	85.916	0.001	85.924	0.001	85.935	-0.019
85.949	0.001	85.968	0.005	85.985	0.017	85.999	0.017
86.011	0.025	86.026	0.013	86.042	0.005	86.053	0.013
86.068	0.005	86.083	0.009	86.099	-0.007	86.111	-0.019
86.120	-0.011	86.124	0.001	86.134	0.005	86.144	0.025
86.153	0.049	86.164	0.049	86.173	0.053	86.185	0.045
86.196	0.021	86.205	-0.011	86.219	-0.015	86.229	-0.015
86.236	-0.027	86.252	-0.015	86.262	-0.008	86.275	0.000
86.286	0.016	86.295	0.024	86.309	0.036	86.320	0.044
86.328	0.036	86.342	0.020	86.358	0.024	86.368	0.016
86.376	0.004	86.392	-0.004	86.405	-0.008	86.413	-0.012
86.424	-0.004	86.438	-0.004	86.452	0.016	86.460	0.020
86.468	0.024	86.480	0.012	86.492	0.020	86.500	0.008
86.512	0.008	86.525	0.016	86.538	0.012	86.549	0.016
86.559	0.028	86.573	0.016	86.587	-0.004	86.592	-0.004
86.604	-0.004	86.622	-0.004	86.638	0.008	86.654	0.028
86.668	0.036	86.682	0.028	86.705	0.024	86.718	-0.000
86.733	0.004	86.749	-0.000	86.760	0.012	86.783	0.020
86.794	0.024	86.814	0.024	86.830	0.032	86.851	0.024
86.867	0.028	86.881	0.008	86.893	0.016	86.901	0.008
86.912	-0.004	86.924	-0.008	86.934	0.000	86.952	0.000
86.966	0.012	86.986	0.025	86.998	0.037	87.020	0.029
87.036	0.021	87.054	0.009	87.066	0.005	87.079	-0.007
87.092	0.013	87.109	0.012	87.133	0.020	87.143	0.008
87.167	0.004	87.190	0.012	87.202	0.024	87.228	0.020
87.244	0.028	87.263	0.024	87.279	0.012	87.296	0.008
87.309	-0.004	87.334	-0.005	87.349	0.007	87.360	0.023
87.379	0.039	87.399	0.038	87.416	0.042	87.431	0.034
87.440	0.018	87.454	-0.006	87.467	-0.026	87.477	-0.026
87.492	-0.027	87.504	-0.003	87.516	0.017	87.534	0.045
87.542	0.049	87.565	0.048	87.579	0.036	87.592	0.012
87.606	-0.004	87.613	-0.008	87.629	0.008	87.646	0.004
87.657	0.012	87.686	0.008	87.701	0.019	87.714	0.027
87.727	0.039	87.741	0.027	87.751	0.023	87.766	0.011
87.779	-0.013	87.796	-0.010	87.811	0.010	87.832	0.026
87.846	0.033	87.859	0.037	87.876	0.013	87.896	0.009
87.919	0.008	87.936	-0.004	87.956	-0.004	87.978	-0.001

87.992	0.015	88.005	0.019	88.027	0.018	88.046	0.022
88.060	0.033	88.073	0.037	88.093	0.025	88.107	0.016
88.120	0.004	88.140	-0.000	88.155	-0.009	88.181	-0.009
88.196	-0.002	88.213	0.018	88.229	0.034	88.246	0.026
88.267	0.018	88.285	0.006	88.302	0.002	88.318	-0.007
88.337	0.001	88.355	0.001	88.364	0.017	88.381	0.033
88.397	0.021	88.409	0.017	88.423	-0.019	88.434	-0.027
88.452	-0.019	88.467	-0.007	88.488	0.017	88.504	0.036
88.526	0.028	88.546	0.016	88.565	0.036	88.584	0.012
88.600	0.024	88.615	0.016	88.633	-0.016	88.652	-0.032
88.674	-0.040	88.696	-0.040	88.715	-0.017	88.727	-0.017
88.738	0.015	88.756	0.066	88.768	0.098	88.780	0.098
88.793	0.082	88.804	0.030	88.815	-0.034	88.823	-0.086
88.832	-0.098	88.840	-0.110	88.852	-0.102	88.862	-0.079
88.876	-0.003	88.887	0.065	88.900	0.093	88.912	0.097
88.923	0.085	88.934	0.037	88.941	-0.003	88.953	-0.019
88.967	-0.035	88.984	-0.047	88.999	-0.055	89.011	-0.059
89.026	-0.051	89.039	0.005	89.052	0.041	89.064	0.073
89.079	0.101	89.093	0.113	89.108	0.093	89.122	0.033
89.133	-0.027	89.143	-0.055	89.151	-0.071	89.156	-0.075
89.167	-0.063	89.178	-0.039	89.188	-0.011	89.201	0.005
89.212	0.017	89.220	0.017	89.235	0.017	89.251	0.009
89.263	-0.003	89.282	0.005	89.298	0.017	89.308	0.029
89.314	0.037	89.325	0.033	89.336	0.025	89.351	0.017
89.360	0.009	89.366	0.005	89.379	-0.003	89.395	0.013
89.406	0.037	89.419	0.041	89.433	0.037	89.447	0.009
89.460	-0.023	89.466	-0.035	89.476	-0.031	89.490	-0.012
89.499	0.012	89.519	0.040	89.534	0.036	89.555	0.024
89.590	0.008	89.615	0.012	89.635	0.016	89.657	0.024
89.672	0.028	89.696	0.004	89.713	-0.008	89.722	-0.020
89.737	-0.001	89.751	0.011	89.768	0.015	89.777	0.007
89.793	0.011	89.807	0.015	89.827	0.023	89.843	0.015
89.852	0.015	89.863	0.018	89.874	0.030	89.883	0.018
89.893	-0.010	89.905	-0.030	89.916	-0.054	89.926	-0.062
89.936	-0.054	89.949	-0.003	89.963	0.041	89.975	0.069
89.983	0.085	89.993	0.085	90.002	0.077	90.013	0.044
90.020	0.021	90.028	0.004	90.039	0.000	90.053	-0.004
90.065	-0.016	90.078	-0.036	90.091	-0.044	90.106	-0.037
90.120	-0.021	90.134	0.003	90.149	0.034	90.157	0.054
90.165	0.058	90.179	0.073	90.187	0.069	90.195	0.061
90.206	0.041	90.218	0.005	90.225	-0.027	90.236	-0.043
90.252	-0.044	90.270	-0.036	90.283	-0.028	90.297	-0.013
90.313	0.011	90.322	0.023	90.340	0.046	90.358	0.058
90.369	0.053	90.379	0.041	90.388	0.025	90.402	0.005
90.416	-0.027	90.432	-0.060	90.440	-0.068	90.452	-0.072
90.469	-0.048	90.480	-0.005	90.492	0.019	90.505	0.038
90.518	0.046	90.533	0.046	90.544	0.042	90.555	0.010
90.566	0.002	90.580	-0.006	90.594	-0.026	90.611	-0.022
90.623	-0.042	90.640	-0.031	90.652	-0.031	90.675	-0.011
90.688	0.013	90.701	0.025	90.711	0.037	90.720	0.033
90.739	0.037	90.749	0.025	90.761	-0.003	90.787	-0.026
90.794	-0.034	90.807	-0.018	90.820	-0.018	90.826	-0.018
90.840	0.010	90.856	0.014	90.872	0.015	90.885	0.015
90.898	0.007	90.915	-0.005	90.932	-0.008	90.943	-0.000
90.959	0.004	90.970	0.012	90.986	0.020	90.998	0.012
91.010	0.020	91.023	0.008	91.041	-0.007	91.049	0.005

91.066	-0.011	91.078	0.005	91.100	-0.007	91.112	-0.003
91.133	-0.003	91.149	0.010	91.167	0.014	91.183	0.014
91.197	0.002	91.211	0.022	91.224	0.018	91.236	0.010
91.251	0.014	91.265	0.006	91.284	0.017	91.300	0.013
91.315	0.013	91.322	0.025	91.330	0.017	91.338	0.005
91.352	0.021	91.371	0.017	91.392	0.017	91.408	-0.011
91.427	-0.019	91.446	-0.011	91.462	0.005	91.474	0.013
91.486	0.021	91.496	0.020	91.510	0.028	91.533	0.036
91.552	0.028	91.563	0.016	91.594	-0.012	91.619	-0.028
91.634	-0.028	91.645	-0.021	91.657	0.007	91.675	0.031
91.691	0.043	91.708	0.027	91.726	0.015	91.734	-0.009
91.743	-0.005	91.763	0.007	91.778	-0.001	91.791	0.003
91.802	-0.001	91.809	-0.005	91.825	0.003	91.841	0.011
91.858	0.027	91.870	0.031	91.893	0.027	91.899	0.003
91.917	-0.005	91.930	-0.005	91.940	-0.013	91.956	-0.001
91.964	-0.001	91.976	0.007	91.992	0.015	92.008	0.015
92.026	0.015	92.037	0.011	92.058	0.011	92.074	0.007
92.087	0.012	92.099	0.012	92.108	-0.008	92.125	-0.004
92.144	-0.004	92.166	0.004	92.189	0.012	92.217	0.016
92.227	0.019	92.244	0.011	92.261	0.011	92.272	0.003
92.283	0.003	92.298	0.011	92.314	0.007	92.331	-0.002
92.347	-0.010	92.364	-0.002	92.376	-0.014	92.393	0.010
92.402	0.014	92.414	0.026	92.428	0.037	92.437	0.037
92.446	0.017	92.458	0.025	92.470	0.001	92.483	-0.015
92.492	-0.015	92.504	0.001	92.521	0.016	92.534	0.008
92.547	0.004	92.559	-0.004	92.570	-0.008	92.584	-0.012
92.604	0.000	92.624	0.000	92.634	0.008	92.647	-0.004
92.664	0.008	92.680	0.008	92.696	0.016	92.707	0.020
92.724	-0.003	92.735	0.005	92.759	-0.003	92.779	-0.007
92.793	-0.003	92.806	0.009	92.817	0.021	92.832	0.025
92.848	0.029	92.859	0.025	92.871	0.017	92.882	-0.007
92.892	-0.011	92.901	-0.011	92.917	-0.011	92.932	0.001
92.948	0.017	92.962	0.022	92.982	0.010	93.011	0.010
93.021	0.026	93.048	0.006	93.082	-0.010	93.100	0.006
93.112	0.022	93.130	0.029	93.145	0.033	93.160	0.029
93.180	0.017	93.206	-0.007	93.227	-0.011	93.243	-0.015
93.257	0.001	93.278	0.005	93.296	0.013	93.319	0.017
93.336	0.025	93.355	0.008	93.369	0.000	93.384	-0.012
93.400	0.000	93.420	0.016	93.435	0.028	93.454	0.039
93.469	0.043	93.480	0.023	93.493	0.007	93.507	-0.013
93.526	-0.025	93.547	-0.009	93.566	-0.001	93.583	0.003
93.602	0.015	93.615	0.023	93.632	0.023	93.654	0.015
93.674	0.011	93.692	0.011	93.717	-0.001	93.729	-0.009
93.740	-0.013	93.767	-0.001	93.782	0.007	93.794	0.003
93.815	0.023	93.826	0.031	93.859	0.016	93.876	-0.000
93.894	0.008	93.912	0.008	93.924	0.000	93.935	-0.004
93.955	-0.003	93.966	0.001	93.974	-0.003	93.996	0.021
94.014	0.033	94.032	0.033	94.043	0.013	94.070	0.009
94.093	0.001	94.105	0.009	94.122	0.013	94.147	0.001
94.163	-0.003	94.168	-0.011	94.175	-0.011	94.194	0.005
94.214	0.021	94.231	0.033	94.247	0.021	94.265	0.005
94.282	-0.007	94.303	0.004	94.327	0.012	94.345	0.020
94.361	0.016	94.375	0.004	94.395	0.004	94.426	0.012
94.458	0.008	94.468	0.015	94.483	0.015	94.495	0.023
94.507	0.019	94.531	0.011	94.545	-0.005	94.562	-0.009
94.576	-0.017	94.595	0.006	94.614	0.026	94.639	0.038

94.656	0.034	94.679	0.025	94.693	-0.007	94.702	-0.007
94.716	-0.027	94.731	-0.020	94.750	-0.008	94.764	0.019
94.775	0.027	94.794	0.023	94.802	0.022	94.814	0.010
94.832	0.014	94.849	-0.010	94.861	-0.007	94.868	-0.011
94.891	-0.015	94.915	-0.019	94.935	0.016	94.947	0.016
94.958	0.032	94.981	0.020	94.995	0.004	95.008	-0.008
95.017	-0.024	95.042	-0.020	95.059	-0.011	95.068	0.001
95.083	-0.007	95.110	0.001	95.123	-0.007	95.133	0.005
95.152	0.001	95.166	0.005	95.175	-0.003	95.198	0.006
95.208	0.010	95.222	-0.010	95.248	-0.017	95.267	-0.009
95.295	-0.001	95.303	-0.000	95.320	-0.008	95.336	-0.003
95.349	0.007	95.373	0.018	95.383	0.009	95.391	0.001
95.405	-0.008	95.420	-0.017	95.438	-0.006	95.451	-0.019
95.471	-0.005	95.490	0.009	95.504	0.024	95.520	0.018
95.541	0.021	95.555	0.008	95.572	0.007	95.587	-0.005
95.607	-0.010	95.620	-0.038	95.646	-0.030	95.660	-0.010
95.675	0.014	95.689	0.015	95.705	0.027	95.722	0.011
95.739	-0.000	95.753	-0.016	95.766	-0.008	95.784	-0.011
95.801	0.005	95.812	0.009	95.827	0.006	95.840	0.006
95.856	0.010	95.874	0.019	95.889	0.015	95.904	0.022
95.919	-0.002	95.942	0.002	95.951	-0.014	95.975	-0.002
95.993	-0.002	96.005	0.006	96.020	0.001	96.039	0.017
96.055	0.005	96.069	0.016	96.087	0.008	96.104	0.015
96.124	0.003	96.136	-0.005	96.152	-0.025	96.163	-0.025
96.172	-0.013	96.186	-0.021	96.204	-0.005	96.224	-0.005
96.239	0.023	96.251	0.019	96.275	0.019	96.289	-0.005
96.304	0.003	96.324	-0.025	96.336	-0.009	96.346	0.002
96.355	-0.006	96.369	0.014	96.388	0.006	96.399	-0.006
96.413	0.010	96.423	-0.006	96.440	0.002	96.456	0.007
96.475	-0.005	96.490	-0.005	96.508	0.003	96.526	0.003
96.546	0.015	96.562	-0.000	96.585	-0.008	96.602	-0.016
96.624	-0.028	96.644	-0.004	96.659	0.004	96.682	0.012
96.697	0.004	96.712	0.012	96.729	0.004	96.749	-0.004
96.769	-0.012	96.791	-0.012	96.815	-0.016	96.831	0.008
96.854	0.020	96.868	0.012	96.900	0.012	96.912	0.008
96.932	-0.008	96.947	-0.004	96.962	-0.024	96.983	-0.012
97.005	0.004	97.025	0.004	97.045	-0.000	97.070	-0.000
97.085	-0.000	97.107	-0.000	97.119	-0.000	97.143	0.004
97.167	-0.016	97.191	-0.004	97.212	0.008	97.240	0.008
97.258	0.004	97.278	0.004	97.299	-0.012	97.316	-0.020
97.332	-0.024	97.353	-0.000	97.379	0.008	97.396	0.004
97.408	-0.004	97.424	0.004	97.447	0.012	97.462	-0.000
97.480	-0.005	97.500	-0.009	97.516	0.003	97.541	0.018
97.559	0.014	97.568	-0.003	97.608	-0.003	97.622	-0.004
97.637	0.004	97.656	-0.017	97.676	-0.018	97.697	-0.010
97.721	-0.018	97.737	-0.018	97.755	-0.011	97.779	-0.007
97.794	-0.007	97.819	0.001	97.836	0.002	97.850	0.002
97.864	-0.014	97.881	-0.013	97.906	-0.021	97.922	0.003
97.946	0.003	97.977	-0.004	98.004	-0.000	98.021	-0.004
98.048	-0.012	98.079	-0.012	98.116	-0.012	98.138	-0.012
98.166	-0.012	98.194	-0.000	98.216	0.004	98.248	-0.000
98.272	-0.016	98.283	-0.028	98.314	-0.004	98.342	0.004
98.368	0.012	98.393	-0.000	98.403	-0.008	98.426	-0.020
98.440	-0.020	98.458	-0.008	98.481	-0.004	98.516	0.004
98.548	0.004	98.575	-0.016	98.601	-0.020	98.636	-0.012
98.667	-0.000	98.693	-0.000	98.718	-0.008	98.745	-0.008

98.771	-0.004	98.793	-0.016	98.825	-0.012	98.844	0.004
98.855	-0.012	98.874	0.008	98.897	0.004	98.926	-0.008
98.948	-0.012	98.963	-0.028	98.990	-0.020	99.020	-0.004
99.041	-0.000	99.060	-0.004	99.076	-0.004	99.097	-0.008
99.112	-0.004	99.144	-0.007	99.161	-0.023	99.179	-0.011
99.195	-0.011	99.207	-0.006	99.226	-0.006	99.241	0.003
99.261	0.003	99.284	0.004	99.311	0.004	99.334	-0.007
99.349	-0.006	99.369	-0.010	99.391	0.006	99.416	0.010
99.431	0.006	99.453	0.003	99.467	-0.001	99.481	0.007
99.494	-0.001	99.511	0.003	99.535	0.004	99.550	0.012
99.595	-0.000	99.605	-0.020	99.618	-0.008	99.657	0.007
99.669	-0.005	99.686	0.011	99.715	0.003	99.731	0.007
99.739	-0.002	99.749	0.002	99.767	-0.006	99.789	-0.002
99.802	-0.010	99.816	-0.003	99.835	-0.015	99.854	0.001
99.867	-0.007	99.890	0.005	99.906	-0.011	99.921	-0.003
99.938	-0.007	99.948	0.005	99.979	-0.007	99.991	0.009
100.006	-0.003	100.020	0.005	100.042	-0.018	100.055	-0.010
100.074	-0.029	100.091	-0.001	100.112	-0.001	100.135	-0.001
100.151	0.012	100.169	-0.008	100.194	0.004	100.205	-0.012
100.224	-0.000	100.248	0.012	100.268	0.012	100.285	0.020
100.305	0.008	100.323	-0.000	100.340	-0.000	100.358	0.004
100.385	0.004	100.393	0.016	100.408	0.008	100.423	0.024
100.435	0.012	100.457	-0.000	100.471	-0.008	100.489	-0.004
100.503	-0.016	100.521	0.008	100.539	0.012	100.556	0.020
100.571	0.012	100.590	0.020	100.615	0.008	100.638	-0.016
100.654	-0.028	100.679	-0.012	100.697	0.008	100.726	0.008
100.751	0.008	100.790	0.012	100.814	-0.008	100.834	-0.000
100.853	-0.004	100.881	0.004	100.893	0.016	100.918	0.016
100.942	-0.000	100.956	-0.012	100.978	-0.004	100.991	0.008
101.010	-0.004	101.038	-0.000	101.040	-0.004	101.063	-0.000
101.089	0.016	101.111	0.004	101.128	0.012	101.152	-0.004
101.165	0.004	101.178	-0.000	101.196	0.024	101.220	0.008
101.244	-0.000	101.276	-0.000	101.304	0.008	101.323	0.004
101.358	0.004	101.379	0.004	101.397	0.032	101.420	0.016
101.449	0.008	101.468	0.008	101.488	0.008	101.499	0.016
101.516	-0.000	101.540	-0.000	101.569	-0.012	101.593	-0.008
101.622	0.004	101.641	0.008	101.660	-0.008	101.687	-0.008
101.705	-0.008	101.738	-0.008	101.761	-0.020	101.785	-0.016
101.800	-0.000	101.818	-0.008	101.846	-0.000	101.861	-0.008
101.880	-0.000						

IG112
71.038 2/9/71 0600 PST L.A. 611 W.6TH ST., BSMT. N38E

2930 POINTS 52.016 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1497 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.014	0.011	-0.030	0.020	-0.061	0.029	-0.125
0.041	-0.173	0.052	-0.157	0.069	-0.014	0.075	0.026
0.098	0.089	0.106	0.097	0.131	-0.014	0.142	-0.054
0.154	-0.030	0.170	0.022	0.191	-0.030	0.203	0.014
0.212	0.006	0.239	-0.085	0.247	-0.101	0.257	-0.077
0.279	-0.002	0.291	0.014	0.300	-0.014	0.316	-0.093
0.325	-0.077	0.351	0.070	0.364	0.113	0.381	0.042
0.400	-0.101	0.430	-0.105	0.440	-0.097	0.459	-0.045
0.471	-0.017	0.485	0.055	0.495	0.055	0.509	-0.017
0.525	-0.020	0.542	-0.044	0.558	0.008	0.578	-0.024
0.588	0.004	0.600	0.056	0.628	-0.011	0.646	0.001
0.662	-0.067	0.671	-0.079	0.679	-0.055	0.698	0.132
0.709	0.168	0.718	0.132	0.742	-0.022	0.753	-0.086
0.768	-0.046	0.788	-0.018	0.802	0.050	0.812	0.066
0.823	0.042	0.841	-0.029	0.851	-0.025	0.869	0.038
0.881	0.062	0.902	0.082	0.913	0.055	0.936	-0.013
0.955	-0.132	0.971	-0.128	0.981	-0.088	0.994	0.019
1.004	0.039	1.014	0.007	1.032	-0.116	1.042	-0.140
1.051	-0.108	1.078	0.077	1.084	0.109	1.104	0.053
1.112	0.061	1.131	0.120	1.137	0.104	1.148	0.052
1.164	-0.068	1.173	-0.056	1.180	-0.072	1.197	0.011
1.211	0.034	1.224	0.109	1.231	0.117	1.239	0.085
1.251	-0.034	1.261	-0.110	1.268	-0.130	1.278	-0.082
1.293	0.060	1.300	0.088	1.308	0.064	1.327	-0.008
1.341	-0.040	1.361	-0.049	1.374	-0.073	1.400	-0.133
1.411	-0.121	1.432	-0.010	1.442	0.030	1.468	0.042
1.476	0.022	1.494	-0.037	1.503	-0.033	1.522	0.007
1.530	-0.000	1.543	-0.008	1.550	0.012	1.566	0.101
1.573	0.089	1.592	-0.021	1.597	-0.053	1.605	-0.036
1.616	-0.020	1.631	-0.047	1.641	-0.074	1.650	-0.074
1.658	-0.022	1.669	0.058	1.680	0.078	1.694	0.035
1.708	-0.012	1.720	-0.036	1.730	-0.055	1.739	-0.079
1.747	-0.063	1.762	0.002	1.775	0.042	1.786	0.054
1.797	0.042	1.808	0.023	1.816	-0.005	1.826	0.007
1.833	0.003	1.844	-0.028	1.853	-0.056	1.860	-0.040
1.867	-0.016	1.881	0.079	1.889	0.083	1.905	0.048
1.925	0.028	1.933	0.005	1.948	-0.059	1.956	-0.086
1.965	-0.074	1.981	0.021	1.993	0.061	2.008	0.105
2.017	0.113	2.029	0.090	2.050	0.067	2.062	0.091
2.080	0.143	2.089	0.159	2.111	0.140	2.122	0.148

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
2.137	0.185	2.147	0.138	2.158	0.083	2.167	0.064
2.174	0.112	2.189	0.252	2.197	0.236	2.212	0.182
2.225	0.170	2.237	0.183	2.253	0.224	2.269	0.289
2.279	0.338	2.288	0.323	2.298	0.213	2.308	0.091
2.316	0.053	2.321	0.038	2.340	0.065	2.361	-0.003
2.382	0.052	2.404	0.031	2.423	0.065	2.434	0.026
2.452	-0.223	2.460	-0.338	2.468	-0.417	2.478	-0.425
2.488	-0.361	2.501	-0.103	2.515	0.084	2.522	0.068
2.537	-0.099	2.553	-0.206	2.563	-0.293	2.572	-0.416
2.578	-0.472	2.586	-0.495	2.592	-0.468	2.604	-0.412
2.618	-0.360	2.634	-0.161	2.646	-0.121	2.660	-0.100
2.668	-0.120	2.685	-0.215	2.696	-0.242	2.717	0.001
2.731	0.120	2.752	0.248	2.761	0.268	2.768	0.236
2.783	0.106	2.793	0.079	2.809	0.087	2.818	0.056
2.838	-0.035	2.862	-0.050	2.870	-0.026	2.888	0.181
2.898	0.340	2.904	0.348	2.923	0.289	2.934	0.364
2.950	0.627	2.962	0.698	2.970	0.635	2.988	0.230
2.997	0.167	3.014	0.353	3.024	0.345	3.041	0.270
3.060	0.230	3.076	0.016	3.085	-0.040	3.100	0.020
3.122	-0.016	3.137	0.048	3.144	0.028	3.158	-0.091
3.169	-0.182	3.179	-0.214	3.188	-0.178	3.205	0.104
3.217	0.335	3.223	0.323	3.238	0.236	3.244	0.240
3.258	0.293	3.264	0.269	3.278	-0.020	3.289	-0.210
3.298	-0.226	3.317	-0.043	3.322	-0.054	3.340	-0.094
3.348	-0.054	3.377	0.476	3.385	0.448	3.401	0.286
3.413	0.008	3.423	-0.007	3.437	0.247	3.445	0.271
3.455	0.176	3.464	-0.059	3.472	-0.174	3.479	-0.233
3.492	-0.289	3.498	-0.277	3.508	-0.063	3.520	0.183
3.528	0.175	3.538	0.120	3.554	-0.103	3.568	-0.186
3.580	-0.238	3.587	-0.175	3.605	0.051	3.616	0.095
3.625	0.055	3.635	-0.064	3.645	-0.116	3.652	-0.084
3.664	0.082	3.670	0.078	3.677	0.038	3.693	-0.291
3.699	-0.407	3.709	-0.454	3.718	-0.415	3.738	-0.121
3.760	0.029	3.776	0.243	3.782	0.271	3.792	0.160
3.811	-0.503	3.821	-0.602	3.830	-0.602	3.841	-0.515
3.858	-0.499	3.887	0.053	3.897	0.116	3.917	0.188
3.924	0.196	3.934	0.120	3.952	-0.166	3.960	-0.213
3.976	-0.241	3.991	-0.372	4.000	-0.368	4.016	0.013
4.034	0.497	4.041	0.474	4.060	0.156	4.070	0.041
4.083	0.005	4.107	-0.054	4.116	-0.066	4.135	0.180

4.143	0.239	4.158	0.255	4.168	0.347	4.187	0.593
4.197	0.577	4.212	0.279	4.221	0.192	4.229	0.184
4.244	0.498	4.253	0.542	4.263	0.510	4.281	0.458
4.290	0.450	4.298	0.486	4.315	0.577	4.322	0.577
4.335	0.542	4.347	0.562	4.356	0.522	4.371	0.328
4.383	0.157	4.389	0.101	4.398	0.093	4.410	0.165
4.418	0.141	4.438	0.050	4.458	0.085	4.465	0.053
4.474	-0.038	4.485	-0.225	4.496	-0.288	4.505	-0.248
4.519	-0.042	4.529	-0.066	4.544	-0.209	4.550	-0.245
4.559	-0.233	4.578	0.144	4.588	0.128	4.603	-0.050
4.615	-0.078	4.624	0.077	4.656	0.787	4.664	0.835
4.671	0.787	4.698	0.343	4.710	0.271	4.719	0.287
4.741	0.449	4.750	0.461	4.763	0.382	4.781	0.092
4.795	0.024	4.812	0.163	4.819	0.139	4.846	-0.139
4.862	-0.322	4.875	-0.362	4.892	-0.294	4.902	-0.346
4.920	-0.418	4.936	-0.398	4.946	-0.434	4.967	-0.712
4.981	-0.911	4.995	-0.982	5.013	-0.816	5.022	-0.820
5.045	-0.932	5.054	-0.948	5.067	-0.888	5.079	-0.773
5.100	-0.440	5.107	-0.453	5.125	-0.552	5.132	-0.552
5.146	-0.378	5.163	-0.092	5.174	-0.041	5.180	-0.057
5.198	-0.161	5.206	-0.173	5.214	-0.125	5.243	0.235
5.253	0.263	5.259	0.247	5.292	0.163	5.298	0.171
5.320	0.245	5.325	0.221	5.340	0.118	5.351	0.090
5.357	0.137	5.379	0.502	5.388	0.660	5.409	0.775
5.422	0.897	5.436	0.889	5.448	0.825	5.461	0.666
5.472	0.475	5.482	0.296	5.494	0.236	5.508	0.299
5.516	0.259	5.529	0.107	5.537	0.032	5.551	-0.020
5.558	0.027	5.578	0.475	5.585	0.610	5.593	0.590
5.617	0.136	5.629	-0.126	5.639	-0.214	5.657	-0.187
5.669	-0.231	5.691	-0.478	5.702	-0.526	5.709	-0.490
5.738	-0.106	5.748	-0.035	5.771	0.012	5.789	0.147
5.799	0.103	5.819	-0.164	5.829	-0.307	5.845	-0.645
5.871	-0.944	5.881	-0.984	5.912	0.112	5.923	0.175
5.942	-0.159	5.954	-0.215	5.979	0.368	5.998	0.420
6.014	0.459	6.024	0.427	6.038	0.196	6.050	0.093
6.068	0.005	6.077	0.005	6.099	0.243	6.106	0.255
6.129	0.167	6.146	0.206	6.153	0.186	6.169	0.095
6.177	0.075	6.194	0.166	6.219	0.153	6.250	0.355
6.272	0.367	6.285	0.390	6.295	0.343	6.317	-0.087
6.328	-0.222	6.343	-0.286	6.364	0.004	6.386	-0.008
6.404	0.079	6.412	0.102	6.424	0.074	6.450	-0.113
6.462	-0.161	6.471	-0.117	6.493	0.272	6.501	0.359
6.519	-0.047	6.535	-0.535	6.547	-0.678	6.557	-0.734
6.564	-0.663	6.586	-0.008	6.593	0.051	6.603	-0.016
6.619	-0.318	6.632	-0.406	6.642	-0.414	6.668	-0.228
6.675	-0.216	6.694	-0.383	6.704	-0.419	6.714	-0.371
6.736	-0.094	6.745	-0.062	6.753	-0.102	6.768	-0.376
6.780	-0.682	6.787	-0.793	6.797	-0.817	6.839	-0.373
6.852	-0.293	6.878	-0.321	6.890	-0.282	6.909	-0.143
6.921	-0.108	6.931	-0.112	6.946	-0.171	6.959	-0.283
6.969	-0.378	6.981	-0.402	7.003	-0.132	7.026	0.070
7.046	0.181	7.055	0.197	7.072	0.122	7.089	-0.010
7.103	-0.153	7.117	-0.196	7.137	-0.113	7.149	-0.006
7.167	0.303	7.179	0.391	7.209	0.331	7.219	0.255
7.241	-0.249	7.252	-0.305	7.268	-0.253	7.293	-0.356
7.303	-0.376	7.329	-0.178	7.340	-0.178	7.363	-0.266

7.370	-0.278	7.406	0.266	7.417	0.353	7.456	0.464
7.476	0.512	7.465	0.504	7.497	0.444	7.517	0.222
7.531	0.150	7.580	0.678	7.586	0.690	7.616	0.185
7.638	-0.085	7.661	-0.613	7.675	-0.848	7.689	-0.991
7.719	-1.058	7.726	-1.015	7.755	-0.427	7.763	-0.380
7.775	-0.463	7.801	-0.837	7.812	-0.892	7.841	-0.607
7.879	0.032	7.906	0.131	7.916	0.131	7.941	0.088
7.963	-0.095	7.975	-0.119	7.990	0.036	8.013	0.139
8.024	0.131	8.048	0.079	8.089	0.333	8.117	0.575
8.129	0.579	8.140	0.507	8.163	-0.001	8.176	-0.144
8.189	-0.196	8.230	0.157	8.238	0.181	8.257	0.157
8.268	0.228	8.288	0.566	8.295	0.605	8.305	0.562
8.334	0.085	8.347	-0.070	8.353	-0.142	8.379	-0.189
8.391	-0.205	8.424	0.076	8.442	0.096	8.465	0.092
8.489	0.036	8.498	0.076	8.516	0.322	8.524	0.342
8.537	0.267	8.559	-0.099	8.571	-0.222	8.581	-0.250
8.592	-0.178	8.615	0.302	8.625	0.381	8.637	0.369
8.655	0.318	8.676	0.203	8.686	0.195	8.704	0.306
8.712	0.341	8.722	0.306	8.734	0.194	8.757	0.119
8.771	0.031	8.781	0.011	8.790	0.063	8.811	0.246
8.818	0.257	8.824	0.226	8.842	0.110	8.869	-0.005
8.885	-0.029	8.919	0.062	8.936	0.130	8.956	0.062
8.964	0.050	8.988	0.129	8.995	0.121	9.018	0.002
9.030	-0.022	9.058	0.307	9.070	0.288	9.093	-0.050
9.109	-0.138	9.137	0.061	9.169	0.442	9.179	0.437
9.211	0.370	9.244	0.365	9.262	0.258	9.267	0.254
9.293	0.532	9.306	0.563	9.332	0.444	9.346	0.468
9.355	0.428	9.378	0.146	9.392	0.094	9.409	0.197
9.419	0.209	9.433	0.126	9.455	-0.057	9.478	-0.172
9.504	-0.049	9.530	-0.065	9.561	0.074	9.583	0.352
9.591	0.376	9.602	0.316	9.629	-0.006	9.642	-0.061
9.674	0.066	9.698	0.272	9.708	0.284	9.724	0.193
9.750	-0.121	9.760	-0.157	9.782	-0.014	9.811	0.056
9.836	-0.026	9.845	-0.030	9.868	0.113	9.878	0.081
9.895	-0.042	9.906	-0.018	9.933	0.256	9.963	0.359
9.975	0.347	9.999	0.153	10.032	0.125	10.041	0.145
10.070	0.347	10.081	0.371	10.096	0.308	10.117	0.074
10.126	0.042	10.163	-0.061	10.178	-0.073	10.200	-0.136
10.226	-0.124	10.255	-0.013	10.264	-0.001	10.290	-0.036
10.307	-0.024	10.317	-0.000	10.346	0.183	10.354	0.198
10.361	0.163	10.381	-0.006	10.392	-0.032	10.414	0.048
10.456	0.001	10.490	0.009	10.511	-0.015	10.528	0.041
10.561	0.192	10.583	0.169	10.604	0.157	10.635	-0.081
10.659	-0.144	10.680	-0.128	10.702	0.079	10.714	0.075
10.750	-0.028	10.768	-0.187	10.780	-0.211	10.799	-0.088
10.812	-0.099	10.844	-0.326	10.856	-0.377	10.878	-0.357
10.897	-0.417	10.908	-0.385	10.930	-0.258	10.951	-0.226
10.962	-0.258	10.974	-0.337	10.988	-0.404	10.999	-0.384
11.011	-0.253	11.029	-0.169	11.054	-0.124	11.089	-0.072
11.092	-0.044	11.118	-0.023	11.138	-0.003	11.151	0.001
11.159	-0.034	11.174	-0.069	11.190	-0.041	11.205	-0.037
11.224	0.011	11.242	0.095	11.254	0.115	11.272	0.079
11.290	0.079	11.310	0.060	11.329	0.052	11.335	0.052
11.361	0.112	11.379	0.215	11.392	0.251	11.403	0.243
11.411	0.203	11.432	0.132	11.446	0.076	11.454	0.048
11.475	0.044	11.487	0.013	11.507	-0.075	11.520	-0.094

11.541	-0.114	11.559	-0.082	11.575	-0.071	11.594	-0.099
11.612	-0.134	11.627	-0.162	11.640	-0.150	11.651	-0.115
11.662	-0.099	11.689	-0.187	11.701	-0.187	11.714	-0.115
11.732	-0.107	11.762	-0.135	11.777	-0.104	11.786	-0.001
11.801	0.063	11.805	0.106	11.831	0.106	11.837	0.090
11.859	0.090	11.888	0.102	11.907	0.078	11.909	0.070
11.931	0.114	11.951	0.062	11.974	-0.038	11.991	-0.081
12.010	-0.082	12.023	-0.066	12.045	-0.054	12.061	0.021
12.084	0.009	12.094	-0.042	12.110	-0.126	12.118	-0.154
12.136	-0.118	12.153	-0.079	12.160	-0.067	12.190	-0.020
12.213	-0.037	12.239	0.007	12.267	-0.026	12.286	0.049
12.298	0.105	12.329	0.172	12.339	0.187	12.361	0.191
12.375	0.155	12.387	0.131	12.405	0.059	12.424	0.062
12.452	0.097	12.466	0.073	12.485	0.048	12.502	0.008
12.522	-0.048	12.533	-0.084	12.557	-0.136	12.576	-0.208
12.603	-0.205	12.622	-0.150	12.643	-0.144	12.661	-0.125
12.683	-0.043	12.691	-0.055	12.719	-0.148	12.744	-0.149
12.767	-0.154	12.785	-0.084	12.795	-0.013	12.810	-0.013
12.824	-0.078	12.841	-0.118	12.859	-0.095	12.876	-0.096
12.897	-0.141	12.916	-0.190	12.930	-0.179	12.962	-0.236
12.985	-0.245	13.003	-0.218	13.015	-0.179	13.031	-0.160
13.045	-0.201	13.075	-0.175	13.094	-0.176	13.117	-0.212
13.140	-0.161	13.167	-0.145	13.190	-0.174	13.202	-0.213
13.215	-0.198	13.230	-0.107	13.242	-0.071	13.254	-0.103
13.269	-0.147	13.292	-0.080	13.304	0.011	13.327	0.011
13.340	-0.029	13.355	-0.117	13.370	-0.077	13.382	0.022
13.399	0.113	13.423	0.128	13.447	0.132	13.465	0.088
13.481	0.044	13.486	0.052	13.508	0.119	13.525	0.098
13.540	0.066	13.566	-0.007	13.594	-0.016	13.612	0.011
13.642	0.086	13.657	0.085	13.676	0.033	13.694	-0.004
13.714	-0.052	13.731	-0.084	13.752	-0.085	13.765	-0.017
13.782	0.050	13.801	0.061	13.815	0.053	13.843	0.013
13.855	-0.027	13.867	-0.024	13.887	0.008	13.913	-0.017
13.937	0.030	13.956	-0.073	13.983	-0.112	14.007	-0.100
14.016	-0.072	14.042	-0.039	14.068	-0.007	14.087	0.057
14.104	0.030	14.116	-0.037	14.133	-0.076	14.144	-0.096
14.162	-0.072	14.167	-0.048	14.191	0.032	14.215	0.084
14.228	0.120	14.265	0.140	14.290	0.124	14.311	0.109
14.331	0.065	14.347	0.105	14.363	0.152	14.375	0.203
14.394	0.182	14.409	0.126	14.426	0.081	14.432	0.077
14.459	0.202	14.462	0.257	14.476	0.241	14.492	0.180
14.521	0.202	14.540	0.264	14.558	0.255	14.572	0.254
14.590	0.193	14.599	0.184	14.630	0.177	14.656	0.159
14.678	0.129	14.694	0.103	14.718	0.101	14.736	0.115
14.758	0.109	14.772	0.100	14.785	0.122	14.803	0.168
14.813	0.167	14.833	0.131	14.849	0.102	14.867	0.144
14.892	0.194	14.911	0.170	14.930	0.137	14.953	0.131
14.965	0.154	14.983	0.133	14.995	0.121	15.022	0.195
15.031	0.230	15.048	0.177	15.055	0.153	15.070	0.169
15.088	0.237	15.103	0.261	15.122	0.254	15.139	0.210
15.156	0.203	15.175	0.175	15.192	0.148	15.204	0.128
15.228	0.113	15.243	0.109	15.260	0.070	15.276	0.027
15.293	0.024	15.322	0.013	15.335	0.017	15.354	0.058
15.369	0.106	15.389	0.099	15.401	0.076	15.414	0.045
15.419	0.009	15.441	-0.085	15.451	-0.141	15.466	-0.133
15.484	-0.049	15.498	-0.022	15.524	-0.045	15.546	-0.045

15.565	-0.021	15.588	-0.041	15.607	-0.049	15.630	-0.081
15.649	-0.097	15.666	-0.105	15.687	-0.101	15.710	-0.105
15.727	-0.057	15.742	0.026	15.782	0.069	15.795	0.009
15.813	0.013	15.818	0.013	15.837	0.024	15.866	0.003
15.886	0.043	15.901	0.086	15.932	0.113	15.942	0.109
15.973	0.112	15.984	0.072	16.000	0.008	16.008	-0.004
16.025	0.003	16.040	0.027	16.058	0.074	16.076	0.114
16.092	0.093	16.097	0.077	16.116	0.049	16.137	0.013
16.149	-0.031	16.165	-0.083	16.183	-0.107	16.200	-0.052
16.226	0.007	16.239	-0.021	16.257	-0.084	16.275	-0.140
16.297	-0.105	16.325	-0.062	16.344	-0.102	16.360	-0.153
16.372	-0.162	16.391	-0.118	16.414	-0.067	16.427	-0.055
16.456	-0.095	16.465	-0.064	16.483	-0.020	16.503	0.011
16.516	-0.017	16.532	-0.100	16.550	-0.124	16.582	-0.045
16.605	-0.073	16.625	-0.121	16.641	-0.129	16.652	-0.129
16.678	-0.074	16.701	-0.086	16.715	-0.106	16.739	-0.091
16.753	-0.079	16.758	-0.075	16.788	-0.139	16.813	-0.135
16.837	-0.194	16.852	-0.178	16.867	-0.115	16.876	-0.103
16.890	-0.118	16.897	-0.154	16.913	-0.182	16.930	-0.170
16.947	-0.201	16.967	-0.249	16.975	-0.233	16.999	-0.169
17.011	-0.121	17.034	-0.133	17.048	-0.173	17.069	-0.208
17.080	-0.184	17.101	-0.125	17.120	-0.089	17.155	-0.041
17.163	0.007	17.176	0.035	17.194	0.023	17.209	0.027
17.232	0.055	17.239	0.067	17.269	0.063	17.287	0.095
17.300	0.135	17.315	0.155	17.336	0.151	17.354	0.139
17.370	0.151	17.386	0.147	17.396	0.104	17.401	0.080
17.411	0.064	17.436	0.065	17.454	0.049	17.487	0.057
17.499	0.041	17.513	0.014	17.524	-0.006	17.538	0.046
17.553	0.090	17.559	0.125	17.582	0.106	17.603	0.054
17.623	0.063	17.642	0.068	17.654	0.028	17.671	-0.019
17.691	-0.062	17.711	-0.069	17.731	-0.037	17.754	-0.005
17.771	-0.024	17.791	-0.071	17.811	-0.094	17.821	-0.078
17.842	-0.046	17.852	0.006	17.873	0.042	17.890	0.078
17.915	0.027	17.929	-0.004	17.942	-0.016	17.960	0.009
17.964	0.029	17.990	0.049	18.010	-0.006	18.032	-0.013
18.048	-0.013	18.064	0.000	18.080	0.033	18.093	0.085
18.109	0.105	18.123	0.118	18.137	0.107	18.154	0.064
18.165	0.029	18.179	-0.002	18.196	0.010	18.207	0.054
18.233	0.051	18.246	0.036	18.264	0.072	18.286	0.065
18.299	0.026	18.313	-0.022	18.326	-0.046	18.341	-0.042
18.360	0.009	18.378	0.009	18.399	-0.023	18.414	-0.032
18.430	0.008	18.441	0.043	18.456	0.063	18.471	0.063
18.488	0.027	18.502	-0.017	18.514	-0.017	18.537	0.046
18.544	0.066	18.571	0.057	18.587	0.001	18.600	-0.027
18.616	0.005	18.637	0.036	18.661	0.040	18.688	0.040
18.705	0.064	18.715	0.075	18.743	0.028	18.757	0.008
18.777	-0.012	18.790	0.016	18.809	0.056	18.826	0.060
18.849	0.052	18.863	0.032	18.877	0.024	18.905	0.021
18.924	0.050	18.938	0.039	18.953	0.016	18.968	-0.019
18.984	-0.038	19.001	-0.041	19.001	-0.041	19.018	-0.068
19.032	-0.063	19.056	-0.019	19.075	-0.030	19.078	-0.037
19.089	-0.053	19.113	-0.044	19.134	-0.023	19.161	-0.006
19.177	-0.013	19.194	-0.049	19.209	-0.058	19.227	-0.062
19.244	-0.063	19.253	-0.047	19.274	0.016	19.297	0.055
19.318	0.030	19.341	0.033	19.355	0.029	19.374	-0.007
19.406	0.019	19.417	0.055	19.435	0.054	19.449	0.050

19.481	0.014	19.494	-0.002	19.495	-0.006	19.524	0.030
19.549	0.038	19.561	-0.009	19.583	-0.061	19.605	-0.061
19.627	-0.029	19.632	0.003	19.646	0.047	19.676	0.052
19.697	0.029	19.718	0.009	19.738	-0.006	19.755	-0.022
19.767	-0.053	19.779	-0.097	19.791	-0.088	19.809	-0.021
19.826	-0.028	19.850	-0.055	19.865	-0.071	19.881	-0.063
19.907	-0.082	19.928	-0.109	19.943	-0.097	19.954	-0.041
19.972	0.019	20.005	0.032	20.019	0.012	20.036	0.013
20.065	0.006	20.095	0.027	20.117	0.079	20.132	0.096
20.149	0.065	20.161	0.033	20.184	0.019	20.203	0.031
20.220	0.008	20.238	-0.019	20.255	-0.026	20.280	-0.001
20.301	-0.008	20.311	-0.016	20.328	0.009	20.344	0.041
20.360	0.014	20.380	-0.021	20.394	-0.032	20.416	-0.059
20.433	-0.074	20.456	-0.085	20.476	-0.088	20.490	-0.091
20.512	-0.079	20.527	-0.038	20.538	0.002	20.552	0.011
20.579	-0.044	20.607	-0.019	20.632	0.001	20.660	0.021
20.671	0.056	20.685	0.072	20.709	0.041	20.731	-0.007
20.744	0.013	20.764	0.065	20.787	0.053	20.810	0.052
20.826	0.076	20.838	0.107	20.858	0.139	20.875	0.127
20.891	0.094	20.910	0.070	20.939	0.066	20.963	0.089
20.989	0.093	21.001	0.096	21.017	0.080	21.033	0.049
21.050	0.045	21.051	0.045	21.062	0.065	21.090	0.057
21.097	0.069	21.116	0.101	21.132	0.066	21.150	0.003
21.175	-0.017	21.183	-0.017	21.200	-0.005	21.232	0.023
21.252	0.055	21.266	0.051	21.287	0.059	21.298	0.063
21.314	0.044	21.338	0.004	21.350	-0.035	21.368	-0.048
21.372	-0.044	21.383	0.003	21.393	0.031	21.411	0.050
21.434	0.018	21.456	-0.018	21.469	-0.031	21.490	-0.023
21.500	-0.024	21.522	-0.024	21.534	0.007	21.554	-0.009
21.577	-0.030	21.600	-0.019	21.620	-0.022	21.637	-0.018
21.645	-0.014	21.668	-0.033	21.684	-0.081	21.696	-0.092
21.710	-0.064	21.721	-0.040	21.744	-0.028	21.768	-0.024
21.781	-0.015	21.805	-0.038	21.826	-0.077	21.852	-0.107
21.870	-0.075	21.882	0.001	21.887	0.013	21.899	0.038
21.909	0.026	21.915	0.018	21.927	-0.001	21.933	-0.001
21.950	0.003	21.964	-0.002	21.978	-0.014	21.991	-0.022
22.005	-0.034	22.018	-0.042	22.032	-0.050	22.040	-0.058
22.051	-0.047	22.066	-0.043	22.083	-0.027	22.094	-0.016
22.105	0.004	22.115	0.004	22.129	-0.004	22.158	-0.068
22.175	-0.088	22.187	-0.097	22.204	-0.073	22.216	-0.053
22.227	-0.070	22.239	-0.086	22.250	-0.090	22.263	-0.078
22.279	-0.051	22.294	-0.019	22.306	0.001	22.319	-0.003
22.330	-0.023	22.344	-0.055	22.353	-0.087	22.363	-0.091
22.375	-0.095	22.388	-0.091	22.401	-0.075	22.417	-0.040
22.429	-0.008	22.439	0.020	22.450	-0.004	22.460	-0.016
22.472	-0.040	22.484	-0.028	22.499	-0.005	22.510	0.019
22.521	0.022	22.533	-0.002	22.544	-0.014	22.555	-0.026
22.566	-0.027	22.580	-0.019	22.592	0.000	22.601	0.004
22.617	0.011	22.631	0.031	22.643	0.058	22.652	0.078
22.661	0.097	22.670	0.101	22.684	0.088	22.698	0.080
22.707	0.064	22.724	0.063	22.736	0.071	22.749	0.082
22.761	0.102	22.774	0.109	22.789	0.109	22.802	0.104
22.818	0.112	22.833	0.103	22.845	0.083	22.858	0.070
22.872	0.066	22.884	0.073	22.900	0.065	22.913	0.052
22.927	0.028	22.936	0.004	22.946	-0.024	22.952	-0.025
22.963	-0.017	22.976	0.006	22.989	0.025	23.006	0.009

23.019	0.008	23.031	-0.008	23.043	-0.028	23.053	-0.025
23.064	0.007	23.078	0.018	23.086	0.018	23.097	-0.014
23.108	-0.026	23.121	-0.035	23.133	0.001	23.145	0.032
23.154	0.068	23.164	0.075	23.176	0.063	23.190	0.051
23.205	0.050	23.218	0.054	23.232	0.069	23.243	0.049
23.256	0.029	23.271	-0.007	23.286	-0.020	23.300	-0.016
23.319	-0.032	23.331	-0.005	23.354	0.019	23.372	0.026
23.385	0.022	23.400	0.022	23.408	0.009	23.426	0.025
23.442	0.021	23.456	0.004	23.464	-0.004	23.474	0.008
23.486	0.012	23.500	0.023	23.511	0.019	23.528	0.031
23.541	0.035	23.555	0.030	23.567	0.026	23.580	0.050
23.591	0.062	23.600	0.065	23.616	0.049	23.628	0.021
23.636	0.033	23.647	0.053	23.661	0.088	23.672	0.100
23.688	0.088	23.703	0.080	23.715	0.091	23.726	0.103
23.740	0.087	23.758	0.063	23.772	0.043	23.784	0.039
23.801	0.051	23.819	0.082	23.830	0.122	23.844	0.130
23.860	0.114	23.873	0.094	23.883	0.082	23.895	0.097
23.907	0.105	23.920	0.093	23.935	0.081	23.943	0.077
23.956	0.089	23.968	0.112	23.982	0.100	23.997	0.072
24.007	0.041	24.016	0.005	24.025	-0.003	24.038	0.016
24.051	0.020	24.063	0.048	24.079	0.075	24.094	0.059
24.112	0.047	24.125	0.039	24.138	0.063	24.152	0.071
24.171	0.051	24.188	0.023	24.207	-0.009	24.222	-0.006
24.234	0.034	24.250	0.042	24.274	0.034	24.290	0.029
24.301	0.013	24.313	-0.011	24.326	-0.019	24.346	0.013
24.369	0.016	24.393	0.012	24.410	0.008	24.426	0.023
24.446	-0.001	24.462	-0.009	24.474	0.011	24.491	0.022
24.501	0.058	24.514	0.050	24.528	0.042	24.543	0.034
24.561	0.046	24.575	0.041	24.589	0.025	24.604	0.025
24.618	0.033	24.627	0.049	24.640	0.053	24.654	0.045
24.669	0.037	24.682	0.057	24.695	0.049	24.709	0.044
24.725	0.017	24.736	-0.015	24.747	-0.007	24.767	0.000
24.784	-0.020	24.801	-0.040	24.823	-0.059	24.836	-0.039
24.854	-0.035	24.869	-0.046	24.883	-0.058	24.904	-0.062
24.920	-0.065	24.936	-0.057	24.942	-0.025	24.959	-0.029
24.971	-0.056	24.982	-0.072	24.992	-0.092	25.008	-0.103
25.025	-0.111	25.041	-0.087	25.065	-0.027	25.085	-0.002
25.109	0.002	25.132	0.023	25.148	0.031	25.169	0.032
25.191	0.020	25.216	-0.003	25.233	-0.022	25.251	-0.034
25.264	-0.054	25.277	-0.046	25.290	-0.026	25.299	-0.002
25.310	0.018	25.319	0.026	25.333	0.010	25.345	-0.010
25.356	-0.025	25.370	-0.021	25.381	-0.005	25.390	0.014
25.398	0.022	25.407	0.026	25.421	0.011	25.435	-0.009
25.449	0.003	25.463	0.007	25.479	0.011	25.500	0.003
25.517	0.007	25.533	0.011	25.547	0.023	25.556	0.023
25.570	0.008	25.582	-0.004	25.593	-0.000	25.610	0.008
25.629	-0.016	25.644	-0.028	25.655	-0.027	25.672	-0.023
25.686	-0.019	25.703	-0.023	25.718	-0.019	25.731	0.005
25.747	0.029	25.761	0.033	25.777	0.029	25.795	0.030
25.817	0.047	25.838	0.040	25.851	0.028	25.864	0.013
25.880	0.006	25.896	0.010	25.911	0.011	25.926	0.023
25.938	0.036	25.952	0.044	25.965	0.045	25.975	0.041
25.990	0.034	26.001	0.046	26.015	0.074	26.028	0.102
26.044	0.091	26.055	0.100	26.067	0.096	26.078	0.073
26.090	0.061	26.104	0.070	26.118	0.102	26.128	0.118
26.138	0.122	26.150	0.111	26.163	0.092	26.177	0.096

26.191	0.081	26.203	0.077	26.212	0.070	26.233	0.074
26.250	0.071	26.272	0.075	26.289	0.079	26.308	0.092
26.323	0.104	26.332	0.092	26.346	0.076	26.358	0.049
26.369	0.049	26.383	0.049	26.393	0.085	26.407	0.093
26.423	0.101	26.427	0.066	26.439	0.046	26.451	0.022
26.462	0.038	26.475	0.055	26.486	0.090	26.496	0.091
26.508	0.071	26.519	0.043	26.533	0.016	26.543	-0.004
26.554	-0.004	26.568	-0.004	26.586	0.021	26.600	0.037
26.613	0.029	26.630	0.021	26.652	0.022	26.669	0.006
26.678	0.030	26.690	0.014	26.702	-0.006	26.712	-0.005
26.724	0.003	26.732	0.035	26.742	0.039	26.752	0.047
26.761	0.047	26.773	0.012	26.783	-0.008	26.796	-0.003
26.810	0.025	26.822	0.021	26.836	0.041	26.851	0.038
26.864	0.018	26.883	0.003	26.898	-0.001	26.908	-0.012
26.920	0.012	26.928	0.036	26.938	0.036	26.952	0.013
26.966	-0.019	26.979	-0.026	26.994	-0.018	27.015	-0.021
27.030	-0.021	27.045	-0.017	27.059	-0.017	27.074	-0.013
27.090	-0.004	27.106	0.012	27.121	0.000	27.142	-0.019
27.153	-0.003	27.165	0.025	27.176	0.041	27.190	0.061
27.207	0.057	27.219	0.033	27.228	0.018	27.236	0.014
27.251	0.026	27.263	0.050	27.277	0.050	27.288	0.030
27.301	0.026	27.315	0.018	27.329	0.014	27.343	0.033
27.356	0.041	27.371	0.053	27.391	0.045	27.405	0.033
27.416	0.021	27.427	0.017	27.441	0.025	27.459	0.029
27.477	0.025	27.496	0.013	27.510	0.005	27.524	0.013
27.534	0.029	27.548	0.045	27.563	0.029	27.585	-0.007
27.599	-0.027	27.612	-0.051	27.624	-0.078	27.633	-0.070
27.650	-0.054	27.665	-0.043	27.681	-0.023	27.696	-0.003
27.709	-0.003	27.725	-0.023	27.748	-0.035	27.758	-0.039
27.767	-0.062	27.781	-0.062	27.797	-0.042	27.812	-0.027
27.826	-0.007	27.835	-0.003	27.850	-0.012	27.865	-0.016
27.881	-0.004	27.908	0.003	27.920	-0.005	27.932	-0.033
27.944	-0.049	27.959	-0.049	27.972	-0.026	27.982	-0.002
27.991	0.026	28.001	0.029	28.011	0.013	28.022	0.005
28.036	0.000	28.048	0.004	28.061	0.019	28.073	0.023
28.088	0.010	28.100	-0.010	28.110	-0.030	28.119	-0.043
28.128	-0.047	28.143	-0.039	28.153	-0.008	28.165	-0.001
28.178	-0.005	28.194	-0.009	28.206	-0.022	28.228	-0.011
28.244	-0.015	28.262	-0.020	28.280	-0.016	28.294	-0.021
28.310	-0.025	28.327	-0.029	28.339	-0.022	28.352	-0.014
28.370	-0.026	28.386	-0.034	28.401	-0.031	28.420	-0.019
28.430	-0.016	28.443	-0.032	28.459	-0.036	28.482	-0.033
28.498	-0.009	28.518	-0.006	28.534	0.010	28.551	0.006
28.568	-0.010	28.582	-0.010	28.593	-0.007	28.614	0.025
28.626	0.021	28.640	0.005	28.652	-0.023	28.667	-0.027
28.682	-0.023	28.699	-0.008	28.715	0.004	28.732	-0.008
28.747	-0.020	28.767	-0.032	28.781	-0.013	28.798	-0.001
28.813	0.043	28.832	0.027	28.849	-0.005	28.867	-0.009
28.883	-0.001	28.899	0.027	28.927	0.020	28.939	0.031
28.953	0.043	28.981	0.032	29.006	0.024	29.013	0.024
29.023	0.028	29.045	0.016	29.070	0.032	29.088	0.036
29.101	0.032	29.115	0.021	29.128	0.037	29.141	0.049
29.161	0.029	29.175	0.029	29.186	0.033	29.201	0.030
29.220	0.026	29.237	0.014	29.256	0.030	29.269	0.038
29.287	0.039	29.301	0.055	29.312	0.059	29.325	0.047
29.335	0.055	29.346	0.043	29.355	0.031	29.367	0.023

29.376	0.015	29.387	0.031	29.397	0.063	29.407	0.063
29.418	0.055	29.433	0.055	29.443	0.051	29.455	0.063
29.465	0.055	29.477	0.052	29.488	0.068	29.497	0.083
29.510	0.079	29.528	0.067	29.548	0.055	29.565	0.040
29.574	0.051	29.588	0.055	29.600	0.071	29.616	0.071
29.630	0.055	29.643	0.039	29.656	0.015	29.666	0.011
29.678	0.023	29.689	0.047	29.701	0.047	29.720	0.051
29.746	0.047	29.772	0.047	29.791	0.047	29.814	0.019
29.827	0.011	29.841	0.006	29.860	0.014	29.873	0.038
29.891	0.026	29.903	-0.002	29.912	-0.018	29.932	-0.022
29.951	-0.022	29.964	-0.018	29.979	0.013	29.991	0.005
30.009	-0.003	30.027	-0.007	30.047	-0.003	30.067	0.005
30.084	-0.003	30.093	-0.003	30.106	0.005	30.115	0.021
30.127	0.036	30.140	0.020	30.158	0.016	30.168	0.012
30.183	0.028	30.203	0.040	30.221	0.032	30.234	0.028
30.245	0.028	30.261	0.028	30.272	0.044	30.288	0.048
30.300	0.040	30.316	0.020	30.331	0.016	30.345	0.024
30.364	0.020	30.377	0.020	30.391	0.023	30.400	0.023
30.410	0.035	30.418	0.039	30.427	0.055	30.436	0.071
30.446	0.103	30.459	0.107	30.475	0.106	30.493	0.102
30.506	0.098	30.521	0.098	30.536	0.082	30.548	0.066
30.558	0.054	30.569	0.050	30.577	0.054	30.590	0.074
30.600	0.086	30.612	0.097	30.622	0.105	30.632	0.089
30.646	0.077	30.661	0.065	30.676	0.073	30.694	0.077
30.697	0.073	30.709	0.065	30.727	0.056	30.737	0.056
30.749	0.040	30.761	0.036	30.777	0.048	30.792	0.060
30.810	0.063	30.822	0.075	30.834	0.079	30.853	0.067
30.864	0.051	30.870	0.051	30.882	0.038	30.896	0.042
30.911	0.058	30.924	0.054	30.939	0.045	30.955	0.013
30.968	-0.003	30.984	0.001	30.999	0.013	31.014	0.024
31.023	0.036	31.033	0.048	31.048	0.060	31.059	0.048
31.070	0.035	31.085	0.007	31.096	0.003	31.105	0.011
31.115	0.019	31.125	0.010	31.135	0.002	31.147	-0.002
31.158	0.010	31.168	0.029	31.184	0.041	31.197	0.037
31.208	0.008	31.217	0.004	31.229	0.020	31.245	0.031
31.255	0.015	31.272	0.023	31.282	0.039	31.291	0.038
31.304	0.038	31.312	0.029	31.323	0.025	31.335	0.025
31.344	0.040	31.356	0.060	31.367	0.071	31.379	0.059
31.388	0.027	31.400	-0.018	31.412	-0.038	31.429	-0.046
31.438	-0.015	31.456	0.048	31.471	0.079	31.492	0.086
31.510	0.070	31.526	0.041	31.543	-0.035	31.556	-0.083
31.567	-0.096	31.583	-0.080	31.597	-0.037	31.608	-0.038
31.621	-0.058	31.635	-0.126	31.645	-0.143	31.656	-0.115
31.663	-0.084	31.675	-0.048	31.684	-0.049	31.698	-0.073
31.713	-0.090	31.731	-0.090	31.752	-0.087	31.769	-0.088
31.783	-0.068	31.798	-0.065	31.813	-0.050	31.827	-0.026
31.835	-0.011	31.845	-0.031	31.858	-0.051	31.869	-0.064
31.886	-0.076	31.901	-0.089	31.915	-0.081	31.931	-0.038
31.941	-0.015	31.951	-0.015	31.969	-0.043	31.983	-0.052
32.007	-0.045	32.040	-0.038	32.048	-0.054	32.071	-0.086
32.085	-0.107	32.100	-0.107	32.113	-0.076	32.135	-0.009
32.149	0.011	32.162	0.010	32.179	0.006	32.190	0.018
32.200	0.038	32.211	0.053	32.221	0.037	32.234	0.009
32.243	0.013	32.255	0.057	32.269	0.100	32.284	0.100
32.300	0.036	32.312	-0.004	32.330	0.004	32.345	0.028
32.358	0.032	32.373	0.027	32.388	0.007	32.403	-0.009

32.416	0.015	32.423	0.031	32.431	0.023	32.442	0.003
32.452	-0.029	32.461	-0.045	32.476	-0.037	32.494	0.014
32.503	0.042	32.515	-3.904	32.528	0.034	32.544	-0.002
32.560	0.029	32.572	0.020	32.584	0.015	32.592	0.007
32.605	0.034	32.620	0.025	32.641	0.024	32.663	0.046
32.692	0.012	32.716	0.007	32.727	0.018	32.736	0.037
32.741	0.061	32.744	0.073	32.746	0.076	32.751	0.072
32.764	0.055	32.776	0.018	32.788	0.013	32.802	0.024
32.819	0.034	32.836	0.005	32.850	-0.016	32.864	-0.049
32.878	-0.058	32.900	-0.027	32.922	0.000	32.946	0.011
32.966	0.019	32.982	0.026	32.999	-0.002	33.011	-0.042
33.024	-0.063	33.038	-0.055	33.057	-0.031	33.074	-0.015
33.092	-0.039	33.119	-0.019	33.132	-0.047	33.154	-0.078
33.179	-0.062	33.197	-0.046	33.210	-0.038	33.228	-0.054
33.245	-0.054	33.262	-0.039	33.281	-0.031	33.305	-0.039
33.321	-0.007	33.338	0.013	33.353	-0.015	33.368	-0.023
33.392	0.012	33.413	0.044	33.434	0.111	33.459	0.060
33.484	0.012	33.503	-0.012	33.524	-0.024	33.550	-0.003
33.560	-0.007	33.585	-0.003	33.606	0.017	33.625	-0.019
33.645	-0.046	33.665	-0.054	33.690	-0.030	33.705	0.002
33.721	0.002	33.739	0.018	33.761	0.030	33.784	0.050
33.804	0.071	33.827	0.052	33.845	0.036	33.873	0.001
33.896	0.014	33.910	0.018	33.929	0.010	33.946	-0.025
33.968	-0.048	33.990	-0.040	34.005	-0.039	34.023	-0.038
34.046	-0.018	34.069	-0.005	34.084	-0.004	34.100	-0.007
34.114	-0.007	34.129	-0.010	34.148	0.018	34.164	0.039
34.180	0.008	34.197	-0.008	34.221	0.001	34.243	-0.021
34.263	-0.033	34.284	-0.020	34.306	0.001	34.324	0.022
34.346	0.003	34.363	-0.028	34.386	-0.039	34.407	-0.035
34.432	-0.049	34.456	-0.005	34.481	0.016	34.505	0.020
34.544	0.005	34.562	-0.018	34.583	-0.033	34.605	0.003
34.626	0.012	34.648	-0.028	34.668	-0.059	34.684	-0.058
34.706	-0.022	34.721	0.010	34.745	0.002	34.763	0.003
34.780	0.003	34.807	-0.013	34.832	0.019	34.854	0.028
34.868	-0.000	34.892	-0.024	34.905	0.000	34.926	0.032
34.947	0.025	34.960	0.005	34.981	-0.003	35.008	0.017
35.027	0.029	35.045	0.022	35.061	0.006	35.079	0.006
35.102	0.010	35.120	-0.005	35.141	-0.021	35.160	-0.009
35.184	0.023	35.198	-0.000	35.215	-0.016	35.233	-0.036
35.254	-0.024	35.268	-0.024	35.302	-0.035	35.324	-0.027
35.348	-0.023	35.382	-0.022	35.410	-0.046	35.435	-0.018
35.470	-0.041	35.495	-0.041	35.514	-0.029	35.531	-0.029
35.545	-0.036	35.564	-0.072	35.585	-0.092	35.610	-0.064
35.635	-0.059	35.664	-0.031	35.687	-0.019	35.702	-0.015
35.730	-0.019	35.762	0.013	35.785	0.022	35.806	0.022
35.821	0.022	35.850	-0.005	35.869	-0.025	35.887	-0.024
35.903	-0.024	35.928	-0.020	35.945	-0.003	35.965	-0.015
35.984	-0.035	36.006	-0.046	36.032	-0.041	36.052	-0.025
36.077	0.004	36.100	-0.011	36.117	-0.039	36.135	-0.058
36.154	-0.065	36.189	-0.040	36.221	-0.004	36.243	-0.023
36.264	-0.038	36.280	-0.041	36.303	-0.029	36.330	-0.036
36.344	-0.035	36.375	-0.026	36.400	-0.033	36.430	-0.028
36.461	-0.035	36.488	-0.042	36.510	-0.049	36.538	-0.052
36.557	-0.060	36.574	-0.055	36.597	-0.035	36.620	-0.034
36.637	-0.033	36.655	-0.037	36.674	-0.036	36.699	-0.015
36.717	-0.027	36.735	-0.026	36.756	-0.026	36.775	-0.021

36.801	-0.056	36.822	-0.056	36.846	-0.055	36.883	-0.030
36.907	-0.042	36.931	-0.049	36.955	-0.048	36.979	-0.048
37.010	-0.055	37.043	-0.043	37.070	-0.035	37.094	-0.034
37.125	-0.058	37.145	-0.046	37.172	-0.021	37.190	-0.037
37.211	-0.049	37.238	-0.060	37.265	-0.060	37.283	-0.060
37.317	-0.004	37.339	-0.024	37.359	-0.024	37.384	-0.023
37.409	-0.023	37.432	-0.031	37.449	-0.027	37.475	-0.011
37.500	-0.019	37.523	-0.034	37.547	-0.022	37.575	-0.026
37.591	-0.026	37.613	-0.022	37.638	-0.018	37.675	0.006
37.695	0.006	37.716	0.006	37.734	0.006	37.754	0.018
37.771	0.026	37.791	0.014	37.815	0.037	37.845	0.037
37.864	0.037	37.880	0.041	37.895	0.041	37.913	0.033
37.931	0.021	37.966	0.041	37.989	0.029	38.016	0.013
38.039	0.009	38.055	0.009	38.081	0.020	38.101	0.024
38.125	0.028	38.148	0.036	38.171	0.040	38.193	0.020
38.217	0.020	38.234	0.032	38.256	0.047	38.279	0.039
38.301	0.027	38.325	0.039	38.346	0.039	38.368	0.051
38.388	0.062	38.403	0.062	38.424	0.034	38.448	0.018
38.475	0.018	38.502	0.037	38.527	0.013	38.555	-0.015
38.585	-0.023	38.609	-0.016	38.631	-0.000	38.651	-0.013
38.678	-0.009	38.697	-0.017	38.721	-0.010	38.737	-0.002
38.767	-0.006	38.791	-0.010	38.810	-0.018	38.839	-0.011
38.865	-0.027	38.895	-0.043	38.902	-0.047	38.932	0.000
38.955	0.000	38.982	0.000	39.007	0.000	39.015	0.000
39.037	0.000	39.054	-0.008	39.085	-0.020	39.104	-0.004
39.127	0.000	39.139	-0.008	39.157	-0.024	39.179	-0.020
39.204	-0.004	39.227	0.000	39.247	-0.004	39.267	-0.015
39.268	-0.031	39.308	-0.031	39.323	-0.030	39.344	-0.022
39.377	-0.054	39.405	-0.029	39.426	-0.045	39.451	-0.048
39.485	-0.024	39.504	-0.023	39.528	-0.031	39.549	-0.038
39.567	-0.038	39.578	-0.038	39.603	-0.021	39.632	-0.032
39.654	-0.036	39.672	-0.035	39.692	-0.035	39.711	-0.023
39.735	-0.034	39.764	0.002	39.788	0.010	39.809	-0.014
39.832	-0.021	39.863	0.007	39.890	-0.001	39.911	0.007
39.933	-0.000	39.959	-0.012	39.981	-0.012	40.009	-0.016
40.031	-0.020	40.054	-0.020	40.085	-0.040	40.112	-0.028
40.134	-0.024	40.160	-0.032	40.188	-0.067	40.206	-0.048
40.229	-0.020	40.250	-0.024	40.273	-0.044	40.291	-0.032
40.306	-0.028	40.327	-0.036	40.346	-0.052	40.366	-0.075
40.398	-0.063	40.418	-0.063	40.438	-0.063	40.462	-0.063
40.485	-0.063	40.504	-0.063	40.526	-0.059	40.546	-0.059
40.568	-0.056	40.594	-0.044	40.615	-0.036	40.638	-0.040
40.664	-0.048	40.687	-0.056	40.710	-0.059	40.737	-0.028
40.750	-0.020	40.774	-0.028	40.792	-0.036	40.808	-0.044
40.832	-0.024	40.852	-0.004	40.872	-0.004	40.890	-0.008
40.906	-0.020	40.927	-0.008	40.946	-0.008	40.974	-0.020
40.996	-0.016	41.019	-0.008	41.041	-0.020	41.068	-0.024
41.095	-0.024	41.123	-0.024	41.146	-0.024	41.179	-0.024
41.196	-0.024	41.225	-0.032	41.258	-0.012	41.286	-0.028
41.317	-0.036	41.338	-0.048	41.355	-0.048	41.373	-0.048
41.398	-0.048	41.428	-0.071	41.446	-0.075	41.481	-0.071
41.506	-0.059	41.535	-0.056	41.564	-0.056	41.592	-0.052
41.615	-0.052	41.648	-0.067	41.670	-0.063	41.691	-0.052
41.712	-0.063	41.732	-0.071	41.757	-0.040	41.779	-0.036
41.803	-0.044	41.817	-0.048	41.838	-0.036	41.864	-0.028
41.895	-0.009	41.922	0.011	41.940	0.011	41.955	0.011

41.979	0.031	41.997	0.031	42.019	0.019	42.039	0.018
42.066	0.042	42.088	0.042	42.109	0.038	42.129	0.046
42.157	0.070	42.182	0.058	42.207	0.058	42.232	0.062
42.255	0.062	42.279	0.062	42.303	0.062	42.323	0.062
42.341	0.058	42.368	0.039	42.398	0.063	42.414	0.055
42.435	0.055	42.459	0.075	42.484	0.051	42.504	0.051
42.539	0.063	42.567	0.043	42.601	0.035	42.624	0.035
42.655	0.035	42.684	0.023	42.706	0.023	42.739	0.014
42.771	-0.010	42.800	-0.022	42.832	0.006	42.868	0.006
42.895	-0.018	42.912	-0.030	42.953	-0.015	42.976	-0.015
43.001	-0.015	43.021	-0.015	43.044	-0.031	43.065	-0.039
43.094	-0.039	43.103	-0.039	43.120	-0.047	43.147	-0.063
43.170	-0.063	43.188	-0.063	43.209	-0.063	43.243	-0.071
43.257	-0.067	43.288	-0.056	43.307	-0.036	43.327	-0.027
43.362	-0.055	43.377	-0.062	43.394	-0.070	43.410	-0.070
43.421	-0.070	43.430	-0.061	43.434	-0.061	43.437	-0.061
43.439	-0.061	43.455	-0.060	43.471	-0.064	43.510	-0.038
43.523	-0.037	43.544	-0.052	43.582	-0.042	43.622	-0.036
43.654	-0.030	43.698	-0.032	43.727	-0.036	43.763	-0.004
43.788	-0.020	43.833	-0.057	43.877	-0.070	43.903	-0.036
43.926	-0.025	43.955	-0.038	43.973	-0.039	44.017	-0.048
44.034	-0.041	44.066	-0.046	44.092	-0.047	44.121	-0.031
44.131	-0.019	44.155	-0.032	44.169	-0.040	44.181	-0.024
44.223	-0.017	44.267	-0.021	44.293	-0.025	44.317	-0.022
44.339	-0.030	44.375	-0.022	44.394	-0.003	44.414	-0.015
44.444	-0.027	44.479	-0.023	44.530	-0.015	44.552	-0.020
44.569	-0.028	44.592	-0.032	44.636	-0.004	44.671	0.000
44.711	0.012	44.737	0.016	44.770	-0.004	44.790	0.028
44.825	0.040	44.856	0.029	44.902	0.017	44.915	0.017
44.941	0.017	44.958	0.025	44.979	0.005	44.995	0.002
45.031	0.006	45.065	0.010	45.087	0.003	45.117	0.015
45.146	-0.001	45.177	0.002	45.221	0.009	45.259	0.017
45.291	0.024	45.325	0.023	45.355	0.014	45.388	0.001
45.426	0.012	45.460	0.004	45.496	0.008	45.519	-0.005
45.553	-0.017	45.568	-0.021	45.605	-0.002	45.631	-0.014
45.652	-0.018	45.679	-0.014	45.709	-0.034	45.749	-0.030
45.771	-0.023	45.786	-0.023	45.811	-0.035	45.836	-0.019
45.848	0.001	45.860	-0.007	45.876	-0.027	45.910	0.000
45.925	0.000	45.942	-0.020	45.967	-0.036	46.005	-0.028
46.015	-0.024	46.040	-0.024	46.054	-0.028	46.093	-0.028
46.111	-0.032	46.139	-0.048	46.177	-0.028	46.197	-0.040
46.215	-0.044	46.238	-0.032	46.250	-0.020	46.277	-0.032
46.298	-0.032	46.319	-0.036	46.337	-0.045	46.366	-0.025
46.401	-0.037	46.429	-0.042	46.453	-0.046	46.475	-0.054
46.494	-0.034	46.527	-0.043	46.568	-0.047	46.581	-0.036
46.595	-0.016	46.632	-0.033	46.651	-0.025	46.683	-0.022
46.702	-0.027	46.727	-0.039	46.750	-0.024	46.786	-0.020
46.815	-0.009	46.850	0.002	46.883	-0.006	46.910	0.018
46.937	0.013	46.970	0.009	46.985	0.009	47.010	0.021
47.040	0.020	47.058	0.000	47.079	-0.012	47.123	-0.008
47.155	-0.012	47.175	-0.008	47.196	0.003	47.231	-0.021
47.258	-0.041	47.286	-0.009	47.322	-0.013	47.354	-0.005
47.384	-0.010	47.408	0.006	47.439	0.002	47.459	-0.006
47.499	-0.007	47.544	-0.003	47.587	-0.020	47.610	0.004
47.641	0.004	47.680	0.011	47.715	0.003	47.755	0.006
47.787	0.002	47.823	0.009	47.855	-0.003	47.864	-0.007

47.896	-0.003	47.931	-0.007	47.956	-0.007	47.975	-0.007
47.999	-0.019	48.031	-0.035	48.061	-0.028	48.099	-0.024
48.134	-0.016	48.149	-0.024	48.182	-0.004	48.203	-0.019
48.218	-0.031	48.243	-0.011	48.251	-0.011	48.272	-0.023
48.295	-0.039	48.320	-0.031	48.365	-0.027	48.380	-0.039
48.402	-0.035	48.417	-0.031	48.448	-0.042	48.471	-0.046
48.502	-0.030	48.529	-0.034	48.556	-0.046	48.574	-0.050
48.596	-0.041	48.625	-0.045	48.668	-0.045	48.694	-0.045
48.727	-0.045	48.751	-0.052	48.779	-0.060	48.799	-0.041
48.826	-0.033	48.852	-0.041	48.874	-0.033	48.924	-0.029
48.939	-0.013	48.960	0.003	48.991	-0.009	49.029	-0.013
49.065	-0.017	49.095	-0.022	49.121	-0.002	49.150	0.002
49.159	0.002	49.191	0.001	49.211	0.001	49.231	-0.007
49.285	0.009	49.320	0.001	49.329	0.001	49.359	0.009
49.390	0.008	49.419	0.008	49.443	0.008	49.479	0.004
49.493	-0.012	49.518	-0.016	49.555	-0.008	49.600	0.000
49.619	0.000	49.650	-0.012	49.676	-0.020	49.702	-0.012
49.745	-0.008	49.770	-0.028	49.802	-0.028	49.813	-0.020
49.842	-0.020	49.874	-0.032	49.902	-0.036	49.920	-0.020
49.942	-0.016	49.978	-0.032	49.997	-0.044	50.036	-0.028
50.048	-0.024	50.073	-0.040	50.096	-0.047	50.125	-0.035
50.146	-0.047	50.169	-0.039	50.205	-0.043	50.238	-0.031
50.287	-0.039	50.314	-0.031	50.342	-0.019	50.370	-0.019
50.410	-0.030	50.458	-0.030	50.501	-0.034	50.540	-0.017
50.555	-0.021	50.586	-0.029	50.620	-0.033	50.656	-0.036
50.681	-0.040	50.706	-0.028	50.742	-0.028	50.775	-0.032
50.800	-0.028	50.808	-0.024	50.839	-0.028	50.855	-0.028
50.874	-0.020	50.904	-0.020	50.935	-0.028	50.950	-0.012
50.990	-0.016	51.026	-0.008	51.055	-0.012	51.079	-0.020
51.110	-0.016	51.159	0.012	51.167	0.016	51.202	0.012
51.242	0.020	51.264	0.016	51.299	0.008	51.329	-0.012
51.363	0.004	51.397	0.000	51.438	-0.004	51.472	0.004
51.509	0.008	51.529	0.012	51.553	0.004	51.585	0.000
51.618	0.000	51.644	-0.012	51.675	0.008	51.704	0.000
51.736	-0.008	51.759	-0.016	51.787	-0.012	51.808	-0.028
51.835	-0.032	51.866	-0.044	51.900	-0.028	51.950	-0.020
51.980	-0.020	52.016	-0.024				

IG112
71.038 2/9/71 0600 PST L.A. 611 W.6TH ST., BSMT. N52W

3220 POINTS 51.942 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1301 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.052	0.014	0.064	0.027	0.012	0.041	-0.028
0.055	0.012	0.069	0.052	0.087	-0.028	0.098	-0.067
0.108	-0.079	0.127	-0.028	0.142	0.103	0.154	0.202
0.166	0.246	0.169	0.242	0.173	0.214	0.183	0.055
0.191	-0.040	0.202	-0.103	0.218	-0.096	0.237	-0.123
0.244	-0.084	0.257	0.019	0.270	0.051	0.285	0.035
0.300	0.031	0.311	-0.032	0.328	-0.036	0.337	-0.009
0.350	0.043	0.357	0.055	0.371	0.019	0.380	-0.005
0.397	0.027	0.423	-0.076	0.427	-0.108	0.434	-0.124
0.445	-0.088	0.456	-0.057	0.474	-0.009	0.485	0.062
0.493	0.098	0.503	0.098	0.509	0.034	0.520	0.011
0.533	-0.021	0.544	0.010	0.550	0.058	0.559	0.062
0.570	0.010	0.581	-0.022	0.582	-0.022	0.589	0.022
0.601	0.113	0.609	0.105	0.617	0.066	0.630	0.014
0.634	0.002	0.651	0.018	0.668	0.030	0.688	-0.058
0.707	-0.102	0.712	-0.126	0.723	-0.074	0.735	0.021
0.759	0.053	0.769	0.065	0.781	-0.023	0.793	-0.074
0.816	-0.047	0.832	-0.054	0.855	0.025	0.869	0.057
0.897	0.065	0.911	0.013	0.919	-0.039	0.932	-0.090
0.947	-0.102	0.969	-0.106	0.975	-0.110	0.989	-0.118
0.994	-0.126	1.007	-0.094	1.022	-0.031	1.037	-0.031
1.043	-0.043	1.053	-0.106	1.064	-0.126	1.076	-0.078
1.083	-0.027	1.104	0.013	1.116	0.057	1.127	0.113
1.137	0.129	1.139	0.129	1.147	0.109	1.169	0.073
1.188	0.093	1.201	-0.002	1.207	-0.057	1.216	-0.109
1.222	-0.117	1.235	-0.029	1.246	0.082	1.253	0.142
1.263	0.146	1.268	0.118	1.285	-0.017	1.300	-0.096
1.316	-0.135	1.325	-0.096	1.343	-0.024	1.366	-0.004
1.387	-0.020	1.395	-0.043	1.412	-0.091	1.428	-0.138
1.439	-0.134	1.444	-0.079	1.454	0.029	1.470	0.045
1.485	0.033	1.499	0.109	1.508	0.152	1.515	0.157
1.518	0.133	1.533	-0.006	1.554	-0.022	1.565	0.014
1.576	0.050	1.601	0.094	1.625	0.071	1.635	-0.040
1.647	-0.107	1.658	-0.087	1.678	-0.083	1.710	-0.094
1.723	-0.047	1.732	-0.031	1.759	-0.082	1.789	-0.101
1.802	-0.029	1.818	0.018	1.845	-0.021	1.860	0.094
1.868	0.150	1.874	0.142	1.884	0.059	1.893	0.032
1.904	0.048	1.913	0.072	1.926	0.092	1.952	0.057
1.970	0.097	1.972	0.093	1.979	0.046	1.987	-0.045
1.996	-0.053	2.009	0.047	2.022	0.107	2.042	0.123

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
2.062	0.104	2.078	0.076	2.091	0.029	2.103	-0.003
2.117	0.006	2.118	0.006	2.127	0.173	2.137	0.169
2.146	0.066	2.156	-0.033	2.165	-0.116	2.184	-0.191
2.204	-0.258	2.216	-0.189	2.230	-0.053	2.239	-0.036
2.250	-0.071	2.262	-0.166	2.280	-0.156	2.295	-0.159
2.311	-0.106	2.323	-0.010	2.331	-0.041	2.336	-0.072
2.342	-0.246	2.352	-0.471	2.361	-0.491	2.369	-0.434
2.380	-0.231	2.387	-0.139	2.396	-0.162	2.411	-0.136
2.421	-0.064	2.431	0.011	2.441	0.023	2.448	-0.024
2.465	-0.044	2.468	-0.004	2.484	0.226	2.499	0.385
2.519	0.108	2.527	0.092	2.534	0.135	2.548	0.226
2.569	0.171	2.586	0.357	2.594	0.381	2.602	0.349
2.616	0.130	2.630	-0.088	2.640	-0.112	2.647	-0.072
2.660	0.135	2.665	0.198	2.682	0.350	2.701	0.478
2.713	0.458	2.716	0.435	2.732	0.253	2.736	0.253
2.763	0.234	2.779	0.215	2.791	0.105	2.798	-0.018
2.808	-0.196	2.814	-0.347	2.829	-0.505	2.838	-0.461
2.843	-0.298	2.855	0.000	2.863	0.100	2.881	0.129
2.908	0.051	2.917	0.028	2.939	-0.047	2.947	-0.177
2.956	-0.320	2.972	-0.335	2.994	-0.172	2.999	-0.009
3.010	0.047	3.022	-0.076	3.032	-0.187	3.045	-0.170
3.057	-0.083	3.067	0.057	3.079	0.033	3.089	-0.074
3.101	-0.253	3.112	-0.443	3.123	-0.594	3.136	-0.570
3.142	-0.510	3.152	-0.300	3.168	-0.077	3.197	-0.006
3.216	-0.077	3.228	-0.248	3.238	-0.363	3.243	-0.378
3.259	-0.263	3.273	-0.104	3.291	0.098	3.302	0.098
3.309	0.035	3.329	0.047	3.342	0.158	3.360	0.329
3.375	0.317	3.396	0.301	3.403	0.301	3.415	0.194
3.426	0.063	3.440	-0.234	3.454	-0.389	3.455	-0.389
3.459	-0.361	3.478	0.052	3.479	0.175	3.489	0.377
3.498	0.484	3.507	0.496	3.512	0.433	3.525	0.115
3.536	-0.155	3.548	-0.369	3.564	-0.373	3.576	-0.405
3.589	-0.448	3.599	-0.302	3.612	-0.055	3.624	0.155
3.644	0.278	3.647	0.258	3.654	0.211	3.661	0.131
3.673	-0.024	3.686	-0.123	3.695	-0.123	3.711	-0.043
3.726	0.227	3.746	0.401	3.760	0.437	3.788	0.401
3.795	0.127	3.811	0.012	3.832	-0.051	3.852	-0.036
3.858	0.008	3.878	-0.020	3.884	-0.036	3.896	0.008
3.911	0.234	3.927	0.334	3.939	0.179	3.951	0.044
3.972	0.008	3.981	-0.075	3.993	-0.234	4.004	-0.361

4.011	-0.369	4.024	-0.294	4.035	-0.266	4.045	-0.135
4.070	0.032	4.080	-0.004	4.082	-0.024	4.100	-0.306
4.114	-0.278	4.123	-0.036	4.138	-0.051	4.142	-0.095
4.148	-0.155	4.159	-0.151	4.165	-0.075	4.179	0.119
4.187	0.088	4.192	0.064	4.203	-0.202	4.217	-0.178
4.218	-0.178	4.232	0.159	4.242	0.167	4.250	-0.012
4.260	-0.163	4.272	-0.373	4.281	-0.393	4.288	-0.218
4.302	0.044	4.317	0.187	4.318	0.187	4.323	0.107
4.341	-0.214	4.350	-0.282	4.361	-0.250	4.368	-0.202
4.381	-0.214	4.393	-0.309	4.402	-0.484	4.410	-0.675
4.421	-0.667	4.428	-0.587	4.437	-0.325	4.448	-0.198
4.453	-0.206	4.457	-0.250	4.471	-0.393	4.485	-0.373
4.488	-0.361	4.508	-0.230	4.526	0.036	4.543	-0.214
4.558	-0.496	4.569	-0.496	4.572	-0.417	4.580	-0.174
4.590	0.088	4.611	0.326	4.624	0.369	4.633	0.322
4.647	0.024	4.658	0.012	4.667	0.064	4.681	0.060
4.693	-0.040	4.698	-0.147	4.708	-0.159	4.721	-0.055
4.730	0.155	4.742	0.417	4.757	0.520	4.765	0.512
4.779	0.484	4.798	0.401	4.814	0.321	4.830	0.250
4.846	0.067	4.858	-0.012	4.867	-0.004	4.876	0.063
4.902	0.186	4.915	0.043	4.936	0.023	4.945	-0.044
4.958	-0.191	4.964	-0.243	4.973	-0.259	4.984	-0.191
5.002	0.090	5.029	0.177	5.042	0.439	5.054	0.550
5.061	0.530	5.074	0.411	5.088	0.244	5.107	0.307
5.117	0.470	5.137	0.720	5.146	0.867	5.163	0.577
5.172	0.207	5.193	-0.214	5.194	-0.214	5.206	-0.099
5.219	0.250	5.230	0.480	5.247	0.512	5.259	0.452
5.271	0.496	5.279	0.519	5.293	0.503	5.293	0.495
5.311	0.126	5.323	-0.192	5.333	-0.371	5.357	-0.391
5.373	-0.416	5.381	-0.460	5.393	-0.650	5.403	-0.694
5.412	-0.647	5.425	-0.357	5.437	-0.211	5.444	-0.187
5.462	-0.291	5.484	-0.319	5.504	-0.466	5.514	-0.542
5.531	-0.550	5.545	-0.571	5.558	-0.523	5.565	-0.424
5.586	-0.302	5.609	-0.263	5.620	-0.334	5.632	-0.561
5.644	-0.661	5.654	-0.633	5.660	-0.478	5.670	-0.193
5.678	-0.070	5.696	-0.094	5.714	-0.194	5.718	-0.190
5.731	-0.095	5.745	0.043	5.758	0.102	5.776	0.149
5.787	0.030	5.800	-0.038	5.808	-0.014	5.814	0.132
5.821	0.343	5.831	0.469	5.840	0.517	5.846	0.493
5.848	0.445	5.864	0.222	5.876	0.019	5.891	-0.112
5.905	-0.108	5.917	0.118	5.930	0.276	5.942	0.323
5.959	0.303	5.964	0.271	5.980	0.167	6.005	0.147
6.014	0.004	6.027	-0.255	6.033	-0.477	6.043	-0.640
6.061	-0.637	6.069	-0.427	6.081	-0.133	6.091	-0.050
6.105	-0.046	6.121	-0.059	6.134	0.147	6.146	0.282
6.151	0.258	6.162	0.028	6.171	-0.096	6.181	-0.187
6.190	-0.148	6.195	-0.025	6.207	0.181	6.219	0.225
6.226	0.165	6.246	-0.125	6.256	-0.197	6.262	-0.233
6.264	-0.241	6.273	-0.150	6.287	0.088	6.300	0.223
6.304	0.219	6.310	0.080	6.322	-0.091	6.330	-0.135
6.338	-0.107	6.353	0.087	6.372	0.218	6.377	0.202
6.388	0.134	6.390	0.099	6.404	0.098	6.417	0.265
6.432	0.455	6.454	0.455	6.462	0.312	6.469	0.133
6.479	0.033	6.491	0.061	6.500	0.128	6.509	0.104
6.523	0.009	6.542	-0.150	6.555	-0.206	6.564	-0.159
6.572	-0.127	6.595	-0.020	6.609	0.016	6.632	-0.001

6.644	-0.132	6.656	-0.346	6.665	-0.398	6.676	-0.350
6.686	-0.263	6.702	-0.386	6.713	-0.387	6.716	-0.371
6.730	-0.311	6.741	-0.327	6.751	-0.407	6.761	-0.534
6.768	-0.562	6.781	-0.550	6.794	-0.510	6.811	-0.479
6.825	-0.268	6.840	0.013	6.867	0.124	6.897	0.187
6.911	0.243	6.935	0.394	6.948	0.409	6.961	0.290
6.970	0.262	6.978	0.274	6.988	0.369	7.007	0.492
7.015	0.488	7.027	0.425	7.041	0.365	7.058	0.317
7.076	0.317	7.082	0.357	7.096	0.412	7.102	0.385
7.108	0.345	7.124	0.162	7.132	0.110	7.143	0.134
7.152	0.221	7.166	0.344	7.175	0.316	7.193	0.046
7.208	0.029	7.212	0.077	7.220	0.172	7.226	0.176
7.235	0.120	7.250	-0.174	7.269	-0.337	7.287	-0.413
7.306	-0.417	7.327	-0.521	7.334	-0.477	7.359	-0.227
7.374	-0.140	7.388	0.118	7.405	0.359	7.414	0.339
7.429	0.156	7.441	0.120	7.449	0.104	7.461	0.064
7.475	0.091	7.491	0.138	7.499	0.075	7.518	-0.129
7.535	-0.173	7.551	-0.193	7.565	-0.162	7.579	-0.039
7.592	0.091	7.597	0.079	7.613	-0.001	7.622	-0.196
7.637	-0.303	7.648	-0.530	7.660	-0.757	7.673	-0.884
7.681	-0.845	7.696	-0.404	7.707	-0.103	7.718	0.008
7.734	0.055	7.766	0.280	7.769	0.256	7.779	0.177
7.800	0.057	7.825	0.124	7.825	0.123	7.847	0.377
7.861	0.472	7.866	0.452	7.878	0.320	7.891	0.090
7.901	-0.054	7.909	-0.022	7.917	0.053	7.943	0.374
7.958	0.389	7.966	0.369	7.977	0.175	7.997	0.123
8.007	0.067	8.015	-0.132	8.025	-0.215	8.031	-0.322
8.053	-0.358	8.066	-0.422	8.076	-0.446	8.090	-0.414
8.091	-0.375	8.103	-0.196	8.124	0.129	8.134	0.149
8.156	0.053	8.177	0.001	8.185	0.029	8.198	0.068
8.222	-0.003	8.236	-0.023	8.255	-0.167	8.262	-0.202
8.285	-0.297	8.300	-0.246	8.316	-0.051	8.326	0.009
8.349	0.009	8.361	0.033	8.372	0.080	8.385	0.060
8.394	0.013	8.419	-0.078	8.420	-0.078	8.429	-0.015
8.444	0.271	8.460	0.605	8.472	0.656	8.478	0.668
8.484	0.645	8.514	0.430	8.526	0.371	8.545	0.228
8.555	0.173	8.570	0.173	8.578	0.157	8.585	0.169
8.603	0.308	8.610	0.328	8.630	0.252	8.646	0.252
8.652	0.248	8.665	0.217	8.687	0.209	8.704	0.046
8.715	0.014	8.724	0.038	8.726	0.046	8.754	0.082
8.763	0.050	8.785	-0.045	8.801	-0.014	8.801	-0.010
8.819	0.197	8.827	0.312	8.835	0.340	8.847	0.244
8.863	0.102	8.869	0.133	8.874	0.165	8.888	0.423
8.900	0.562	8.930	0.546	8.948	0.495	8.952	0.364
8.964	0.248	8.974	0.090	8.990	0.086	9.000	0.205
9.013	0.201	9.019	0.165	9.020	0.161	9.049	-0.014
9.086	-0.051	9.099	0.005	9.109	0.001	9.130	-0.087
9.139	-0.155	9.148	-0.139	9.154	-0.123	9.168	-0.032
9.179	-0.048	9.192	-0.151	9.202	-0.286	9.209	-0.338
9.226	-0.311	9.244	-0.279	9.255	-0.208	9.276	-0.049
9.300	0.018	9.317	0.069	9.324	0.121	9.330	0.121
9.346	0.025	9.358	-0.055	9.366	-0.035	9.401	-0.059
9.415	-0.091	9.430	-0.056	9.448	0.107	9.448	0.123
9.461	0.122	9.474	-0.064	9.487	-0.200	9.495	-0.227
9.500	-0.220	9.504	-0.196	9.528	-0.025	9.542	-0.054
9.548	-0.034	9.578	0.093	9.593	0.097	9.614	0.132

9.614	0.132	9.637	0.322	9.648	0.286	9.660	0.246
9.682	0.214	9.701	0.198	9.719	0.158	9.737	0.154
9.760	0.205	9.792	0.197	9.804	0.236	9.826	0.157
9.846	-0.014	9.867	-0.066	9.889	-0.106	9.907	-0.079
9.924	-0.083	9.938	-0.214	9.954	-0.313	9.969	-0.330
9.981	-0.298	10.013	-0.140	10.037	-0.148	10.057	-0.132
10.062	-0.112	10.090	0.002	10.103	-0.026	10.106	-0.065
10.124	-0.213	10.151	-0.233	10.171	-0.193	10.187	-0.233
10.202	-0.329	10.215	-0.373	10.224	-0.357	10.230	-0.345
10.245	-0.266	10.273	-0.254	10.287	-0.310	10.310	-0.386
10.326	-0.370	10.336	-0.318	10.361	-0.219	10.375	-0.196
10.392	-0.236	10.411	-0.395	10.419	-0.399	10.426	-0.375
10.436	-0.272	10.452	-0.133	10.461	-0.153	10.476	-0.264
10.482	-0.312	10.506	-0.340	10.527	-0.400	10.539	-0.499
10.551	-0.539	10.551	-0.543	10.561	-0.488	10.584	-0.273
10.611	-0.218	10.626	-0.194	10.642	-0.198	10.661	-0.278
10.681	-0.393	10.696	-0.440	10.726	-0.266	10.742	-0.127
10.757	-0.047	10.788	-0.043	10.805	-0.155	10.818	-0.210
10.835	-0.238	10.843	-0.214	10.854	-0.190	10.867	-0.178
10.887	-0.210	10.901	-0.261	10.909	-0.245	10.919	-0.180
10.928	-0.073	10.940	-0.060	10.951	-0.083	10.959	-0.150
10.964	-0.186	10.972	-0.226	10.981	-0.202	10.990	-0.182
11.004	-0.205	11.010	-0.201	11.024	-0.173	11.041	-0.137
11.052	-0.121	11.064	-0.137	11.073	-0.157	11.088	-0.160
11.097	-0.172	11.102	-0.184	11.110	-0.172	11.120	-0.144
11.129	-0.116	11.141	-0.096	11.148	-0.052	11.156	-0.020
11.164	-0.016	11.175	-0.016	11.193	-0.024	11.209	-0.040
11.224	-0.055	11.237	-0.083	11.250	-0.087	11.265	-0.074
11.270	-0.066	11.283	-0.094	11.292	-0.126	11.307	-0.094
11.316	-0.018	11.327	0.077	11.339	0.113	11.353	0.085
11.365	0.073	11.383	0.081	11.396	0.109	11.405	0.124
11.413	0.109	11.425	0.073	11.434	0.061	11.445	0.069
11.455	0.081	11.465	0.049	11.477	0.001	11.486	-0.054
11.492	-0.078	11.508	-0.070	11.518	-0.030	11.532	0.057
11.545	0.100	11.560	0.084	11.574	0.096	11.587	0.112
11.600	0.120	11.620	0.172	11.632	0.191	11.654	0.199
11.668	0.183	11.706	0.040	11.716	0.000	11.727	0.044
11.742	0.175	11.751	0.215	11.765	0.199	11.787	0.155
11.800	0.139	11.817	0.171	11.831	0.203	11.838	0.207
11.852	0.183	11.861	0.171	11.876	0.211	11.901	0.302
11.913	0.342	11.928	0.326	11.956	0.254	11.968	0.207
11.986	0.115	11.993	0.076	12.006	0.076	12.017	0.103
12.035	0.171	12.048	0.190	12.063	0.162	12.072	0.119
12.087	0.103	12.100	0.122	12.121	0.190	12.133	0.214
12.145	0.194	12.166	0.122	12.175	0.098	12.185	0.130
12.207	0.284	12.214	0.312	12.225	0.276	12.233	0.221
12.243	0.189	12.252	0.232	12.271	0.344	12.283	0.363
12.293	0.327	12.317	0.216	12.328	0.176	12.339	0.188
12.353	0.228	12.362	0.235	12.377	0.223	12.387	0.251
12.413	0.457	12.423	0.489	12.435	0.473	12.462	0.389
12.489	0.329	12.517	0.273	12.537	0.289	12.561	0.360
12.573	0.368	12.584	0.344	12.603	0.261	12.614	0.217
12.625	0.193	12.657	0.193	12.673	0.273	12.677	0.245
12.695	0.169	12.707	0.122	12.726	0.157	12.749	0.201
12.777	0.233	12.787	0.225	12.800	0.173	12.810	0.141
12.825	0.161	12.835	0.165	12.849	0.169	12.863	0.165

12.883	0.224	12.892	0.248	12.905	0.232	12.915	0.192
12.927	0.141	12.950	0.093	12.967	0.089	12.984	0.121
13.002	0.144	13.014	0.112	13.036	0.025	13.057	-0.007
13.078	-0.075	13.089	-0.087	13.098	-0.055	13.118	0.016
13.125	0.024	13.136	-0.012	13.166	-0.136	13.179	-0.171
13.187	-0.179	13.206	-0.160	13.211	-0.160	13.221	-0.204
13.237	-0.295	13.246	-0.335	13.263	-0.331	13.302	-0.332
13.316	-0.332	13.328	-0.324	13.342	-0.281	13.355	-0.241
13.364	-0.265	13.382	-0.329	13.394	-0.361	13.404	-0.354
13.417	-0.322	13.426	-0.314	13.437	-0.334	13.449	-0.386
13.458	-0.394	13.469	-0.371	13.487	-0.240	13.495	-0.213
13.503	-0.233	13.513	-0.276	13.521	-0.293	13.535	-0.257
13.558	-0.159	13.568	-0.139	13.579	-0.155	13.597	-0.195
13.613	-0.180	13.629	-0.137	13.651	0.057	13.662	0.097
13.672	0.049	13.690	-0.011	13.706	-0.067	13.732	-0.048
13.746	-0.060	13.767	-0.117	13.783	-0.153	13.803	-0.145
13.812	-0.173	13.828	-0.222	13.839	-0.198	13.860	-0.048
13.867	-0.028	13.876	-0.040	13.888	-0.108	13.899	-0.128
13.911	-0.097	13.918	-0.089	13.929	-0.109	13.940	-0.133
13.951	-0.098	13.967	-0.071	13.984	-0.099	14.004	-0.103
14.013	-0.123	14.023	-0.167	14.029	-0.176	14.040	-0.168
14.048	-0.136	14.056	-0.121	14.066	-0.153	14.077	-0.197
14.089	-0.225	14.101	-0.241	14.120	-0.313	14.130	-0.338
14.138	-0.298	14.174	0.070	14.183	0.117	14.218	0.148
14.234	0.136	14.244	0.123	14.272	0.118	14.283	0.118
14.299	0.054	14.308	0.026	14.317	0.033	14.347	0.084
14.358	0.091	14.372	0.059	14.401	-0.010	14.411	-0.034
14.429	-0.011	14.435	0.013	14.456	0.004	14.479	0.023
14.487	0.003	14.507	-0.081	14.519	-0.102	14.531	-0.094
14.555	-0.035	14.568	-0.048	14.583	-0.068	14.602	-0.168
14.614	-0.232	14.628	-0.212	14.655	-0.154	14.669	-0.138
14.689	-0.139	14.700	-0.123	14.714	-0.076	14.726	-0.049
14.741	-0.069	14.758	-0.109	14.769	-0.070	14.780	-0.015
14.797	0.024	14.807	0.052	14.819	0.032	14.829	0.016
14.845	0.035	14.863	0.019	14.899	-0.018	14.909	-0.006
14.933	0.029	14.963	0.075	14.977	0.079	14.993	0.055
15.003	0.090	15.019	0.165	15.032	0.188	15.049	0.172
15.080	0.131	15.094	0.131	15.104	0.162	15.121	0.210
15.145	0.213	15.159	0.188	15.174	0.148	15.196	0.124
15.216	0.099	15.235	0.123	15.247	0.162	15.276	0.209
15.292	0.240	15.304	0.220	15.316	0.104	15.332	0.037
15.340	0.020	15.351	0.036	15.384	0.158	15.393	0.174
15.402	0.158	15.422	0.106	15.435	0.129	15.450	0.153
15.472	0.148	15.494	0.112	15.507	0.080	15.542	0.028
15.572	0.063	15.614	0.126	15.622	0.130	15.639	0.086
15.645	0.066	15.658	0.090	15.676	0.149	15.684	0.141
15.702	0.109	15.720	0.069	15.736	0.009	15.755	-0.011
15.778	-0.091	15.798	-0.119	15.820	-0.147	15.843	-0.139
15.855	-0.167	15.878	-0.199	15.895	-0.192	15.916	-0.144
15.931	-0.129	15.948	-0.137	15.959	-0.113	15.971	-0.066
15.983	-0.058	15.999	-0.066	16.017	-0.054	16.030	-0.046
16.043	-0.070	16.058	-0.114	16.078	-0.178	16.094	-0.138
16.113	-0.106	16.130	-0.114	16.156	-0.114	16.185	-0.114
16.208	-0.083	16.217	-0.067	16.227	-0.099	16.239	-0.143
16.247	-0.158	16.258	-0.135	16.273	-0.067	16.285	-0.043
16.297	-0.047	16.314	-0.043	16.331	-0.027	16.343	-0.055

16.355	-0.075	16.362	-0.087	16.374	-0.063	16.408	-0.007
16.426	0.017	16.433	-0.003	16.451	-0.055	16.455	-0.063
16.464	-0.047	16.487	0.116	16.494	0.148	16.506	0.168
16.519	0.156	16.534	0.140	16.562	0.153	16.572	0.145
16.583	0.121	16.589	0.105	16.597	0.105	16.607	0.113
16.620	0.106	16.630	0.098	16.642	0.110	16.652	0.146
16.665	0.166	16.689	0.150	16.702	0.146	16.717	0.146
16.731	0.154	16.743	0.143	16.758	0.115	16.772	0.072
16.784	0.068	16.798	0.088	16.815	0.108	16.835	0.088
16.855	0.065	16.873	0.041	16.891	-0.022	16.907	-0.065
16.924	-0.093	16.943	-0.065	16.959	-0.005	16.978	0.079
16.993	0.095	17.006	0.091	17.019	0.071	17.032	0.064
17.045	0.076	17.062	0.128	17.078	0.128	17.089	0.128
17.110	0.140	17.123	0.104	17.143	0.073	17.157	0.093
17.183	0.200	17.194	0.212	17.208	0.181	17.227	0.074
17.241	0.038	17.268	0.051	17.285	0.043	17.301	0.031
17.312	0.071	17.336	0.162	17.350	0.190	17.362	0.175
17.386	0.107	17.396	0.087	17.413	0.088	17.430	0.112
17.451	0.112	17.465	0.132	17.486	0.136	17.491	0.108
17.505	0.088	17.521	0.108	17.537	0.120	17.553	0.124
17.573	0.109	17.583	0.093	17.593	0.077	17.615	0.113
17.626	0.133	17.637	0.105	17.655	0.042	17.677	0.014
17.701	-0.001	17.724	0.019	17.739	0.043	17.751	0.051
17.756	0.047	17.772	0.035	17.787	0.015	17.798	0.007
17.814	0.019	17.826	0.039	17.839	0.032	17.860	0.016
17.875	0.012	17.891	-0.015	17.916	-0.071	17.927	-0.074
17.954	-0.054	17.975	-0.058	17.993	-0.074	18.015	-0.018
18.034	0.002	18.050	0.006	18.079	-0.017	18.081	-0.033
18.099	-0.025	18.121	-0.013	18.139	0.011	18.162	0.023
18.175	0.047	18.190	0.087	18.200	0.079	18.220	-0.004
18.235	-0.028	18.250	-0.016	18.264	0.059	18.273	0.060
18.287	0.056	18.317	-0.040	18.329	-0.043	18.347	-0.040
18.361	-0.055	18.379	-0.063	18.393	-0.059	18.405	-0.051
18.415	-0.036	18.437	-0.040	18.446	-0.016	18.458	-0.008
18.473	-0.020	18.489	-0.055	18.502	-0.107	18.509	-0.167
18.521	-0.198	18.540	-0.186	18.562	-0.126	18.595	-0.157
18.600	-0.094	18.611	-0.109	18.627	-0.137	18.637	-0.125
18.653	-0.093	18.667	-0.081	18.694	-0.076	18.709	-0.068
18.730	0.008	18.744	0.040	18.758	0.032	18.778	-0.011
18.793	-0.007	18.819	0.037	18.852	0.037	18.879	0.010
18.900	-0.057	18.908	-0.085	18.933	-0.029	18.946	-0.029
18.963	-0.033	18.985	-0.029	19.002	-0.056	19.016	-0.092
19.043	-0.076	19.065	-0.041	19.081	0.003	19.093	0.042
19.116	0.078	19.134	0.074	19.174	0.038	19.191	0.006
19.204	-0.030	19.218	-0.050	19.238	-0.006	19.257	0.037
19.289	0.069	19.298	0.057	19.313	0.033	19.323	-0.003
19.348	0.017	19.368	0.041	19.385	0.018	19.398	-0.014
19.415	-0.050	19.427	-0.065	19.442	-0.037	19.459	0.002
19.474	0.010	19.486	-0.001	19.508	-0.045	19.520	-0.049
19.535	-0.032	19.553	0.008	19.570	0.032	19.588	0.040
19.601	0.056	19.612	0.068	19.620	0.057	19.633	0.033
19.644	0.033	19.656	0.045	19.666	0.065	19.680	0.078
19.694	0.046	19.712	-0.013	19.719	-0.033	19.731	-0.029
19.741	0.015	19.752	0.035	19.762	0.024	19.779	-0.012
19.800	0.004	19.826	0.021	19.836	0.033	19.849	0.048
19.861	0.029	19.892	-0.042	19.906	-0.034	19.919	0.005

19.929	0.013	19.949	0.029	19.960	0.057	19.971	0.077
19.987	0.061	20.014	0.026	20.038	0.006	20.060	-0.014
20.073	0.006	20.091	0.062	20.099	0.078	20.108	0.050
20.122	0.010	20.132	0.022	20.148	0.058	20.159	0.078
20.168	0.066	20.185	0.022	20.199	-0.002	20.219	0.006
20.236	-0.002	20.253	-0.006	20.269	0.010	20.279	0.014
20.292	0.002	20.307	-0.030	20.318	-0.026	20.332	-0.010
20.346	0.002	20.361	-0.006	20.382	-0.022	20.412	-0.018
20.427	-0.014	20.445	0.033	20.457	0.025	20.473	-0.014
20.482	-0.026	20.508	-0.074	20.522	-0.098	20.536	-0.090
20.554	-0.091	20.572	-0.075	20.581	-0.087	20.597	-0.100
20.608	-0.088	20.622	-0.064	20.640	-0.061	20.659	-0.073
20.682	-0.097	20.712	-0.149	20.732	-0.138	20.757	-0.130
20.785	-0.107	20.812	-0.036	20.821	-0.021	20.838	-0.009
20.853	0.015	20.865	0.022	20.884	-0.034	20.903	-0.058
20.919	-0.058	20.941	-0.055	20.962	-0.039	20.975	-0.051
20.993	-0.088	21.001	-0.100	21.012	-0.080	21.034	-0.005
21.045	0.019	21.052	-0.005	21.070	-0.064	21.082	-0.092
21.094	-0.076	21.112	-0.053	21.125	-0.041	21.138	-0.053
21.148	-0.065	21.159	-0.057	21.171	-0.049	21.186	-0.021
21.199	-0.013	21.208	-0.025	21.219	-0.037	21.236	-0.013
21.255	0.006	21.267	-0.002	21.286	-0.022	21.292	-0.038
21.301	-0.046	21.316	-0.026	21.330	0.022	21.342	0.057
21.356	0.057	21.371	0.045	21.385	-0.006	21.394	-0.014
21.414	0.001	21.434	0.041	21.452	0.088	21.467	0.104
21.479	0.100	21.492	0.072	21.505	0.044	21.521	0.039
21.539	0.035	21.557	0.023	21.577	0.050	21.589	0.046
21.603	0.026	21.612	-0.002	21.623	-0.022	21.631	-0.003
21.646	0.021	21.658	0.052	21.667	0.044	21.682	0.024
21.692	0.012	21.703	0.019	21.725	0.043	21.735	0.046
21.746	0.042	21.762	0.002	21.772	0.025	21.795	0.104
21.804	0.104	21.817	0.076	21.838	0.028	21.857	0.087
21.875	0.110	21.917	0.078	21.941	0.065	21.969	0.065
21.992	0.052	22.010	0.024	22.023	0.008	22.045	0.028
22.063	0.019	22.066	-0.005	22.090	-0.045	22.121	0.006
22.138	0.018	22.155	0.005	22.170	-0.023	22.190	-0.004
22.223	-0.009	22.238	-0.029	22.263	-0.030	22.284	-0.019
22.299	-0.007	22.328	-0.008	22.345	0.003	22.357	0.023
22.379	-0.026	22.390	-0.070	22.410	-0.066	22.430	-0.027
22.445	0.012	22.466	0.011	22.479	0.059	22.486	0.050
22.510	0.038	22.529	0.001	22.550	0.005	22.571	0.032
22.587	0.023	22.601	0.003	22.620	0.002	22.640	0.033
22.650	0.069	22.673	0.064	22.694	0.063	22.708	0.051
22.722	0.058	22.748	0.081	22.767	0.085	22.785	0.060
22.803	0.075	22.818	0.087	22.828	0.094	22.831	0.094
22.861	0.030	22.878	0.029	22.900	0.037	22.917	0.060
22.932	0.068	22.953	0.076	22.967	0.075	22.987	0.075
23.004	0.095	23.008	0.110	23.040	0.114	23.058	0.121
23.070	0.101	23.090	0.069	23.113	0.037	23.127	0.041
23.145	0.064	23.161	0.096	23.172	0.104	23.189	0.091
23.203	0.079	23.217	0.087	23.230	0.091	23.247	0.075
23.263	0.055	23.276	0.019	23.292	0.007	23.304	-0.013
23.318	-0.041	23.327	-0.057	23.331	-0.053	23.350	-0.017
23.365	-0.005	23.390	-0.049	23.400	-0.053	23.433	-0.057
23.457	-0.069	23.474	-0.069	23.497	-0.101	23.510	-0.113
23.527	-0.117	23.543	-0.077	23.553	-0.053	23.566	-0.037

23.583	-0.038	23.601	-0.026	23.625	-0.018	23.652	-0.006
23.677	0.038	23.689	0.010	23.699	-0.030	23.713	-0.038
23.747	0.010	23.777	-0.002	23.801	0.018	23.816	0.014
23.829	0.010	23.863	-0.026	23.875	-0.018	23.895	-0.050
23.910	-0.058	23.935	-0.038	23.953	-0.034	23.964	-0.026
23.982	0.009	24.008	-0.014	24.030	-0.050	24.053	-0.070
24.089	-0.050	24.105	0.041	24.122	0.053	24.143	0.042
24.162	0.014	24.179	-0.014	24.194	-0.018	24.229	-0.006
24.262	0.022	24.288	0.014	24.313	0.018	24.339	0.026
24.357	0.050	24.375	0.030	24.394	0.023	24.414	0.027
24.434	0.015	24.459	0.003	24.480	-0.009	24.498	-0.009
24.512	-0.037	24.536	-0.040	24.559	-0.000	24.580	-0.016
24.602	-0.032	24.632	0.016	24.650	0.016	24.662	0.009
24.683	-0.011	24.702	-0.027	24.744	-0.026	24.758	-0.038
24.771	-0.034	24.798	0.006	24.817	0.026	24.833	0.026
24.847	0.015	24.859	0.023	24.887	0.019	24.902	-0.029
24.920	-0.016	24.933	-0.000	24.959	0.008	24.985	0.020
25.004	0.032	25.026	0.048	25.044	0.060	25.077	0.053
25.098	0.053	25.119	0.057	25.140	0.069	25.153	0.081
25.169	0.085	25.191	0.078	25.208	0.082	25.228	0.070
25.244	0.054	25.255	0.042	25.279	0.046	25.301	0.043
25.330	0.063	25.349	0.087	25.371	0.071	25.397	0.031
25.416	0.008	25.432	-0.000	25.458	0.008	25.478	0.008
25.501	0.032	25.534	0.040	25.550	0.041	25.574	0.049
25.592	0.021	25.606	0.017	25.633	0.025	25.654	0.006
25.674	-0.030	25.701	-0.026	25.710	-0.030	25.731	-0.021
25.746	-0.005	25.760	-0.001	25.771	-0.013	25.798	-0.009
25.818	0.003	25.831	0.011	25.856	0.007	25.865	0.008
25.880	0.004	25.903	0.032	25.918	0.036	25.937	0.020
25.943	0.008	25.959	-0.007	25.974	-0.019	25.997	-0.003
26.014	0.041	26.033	0.061	26.049	0.041	26.067	0.041
26.082	0.029	26.089	0.022	26.118	0.010	26.132	0.007
26.144	0.003	26.162	0.003	26.180	-0.032	26.187	-0.044
26.204	-0.052	26.236	0.005	26.257	0.005	26.276	0.002
26.289	-0.018	26.297	-0.022	26.312	-0.017	26.327	-0.001
26.342	-0.009	26.355	-0.001	26.366	0.007	26.376	0.012
26.387	-0.008	26.397	-0.020	26.403	-0.016	26.412	-0.007
26.419	-0.007	26.429	-0.019	26.437	-0.031	26.451	-0.054
26.462	-0.070	26.473	-0.062	26.487	-0.041	26.496	-0.037
26.502	-0.037	26.510	-0.037	26.519	-0.053	26.531	-0.072
26.541	-0.112	26.547	-0.123	26.559	-0.111	26.568	-0.103
26.577	-0.095	26.589	-0.106	26.597	-0.102	26.606	-0.098
26.619	-0.094	26.631	-0.105	26.643	-0.109	26.650	-0.109
26.660	-0.101	26.676	-0.080	26.688	-0.064	26.700	-0.068
26.714	-0.076	26.727	-0.083	26.741	-0.079	26.751	-0.063
26.768	-0.023	26.777	-0.011	26.790	-0.018	26.802	-0.026
26.822	-0.022	26.835	-0.033	26.850	-0.041	26.864	-0.049
26.879	-0.045	26.892	-0.052	26.905	-0.040	26.913	-0.040
26.925	-0.056	26.937	-0.076	26.954	-0.067	26.965	-0.079
26.984	-0.115	26.993	-0.106	27.006	-0.090	27.015	-0.090
27.024	-0.102	27.036	-0.118	27.048	-0.137	27.057	-0.137
27.075	-0.101	27.087	-0.085	27.099	-0.097	27.111	-0.109
27.126	-0.116	27.138	-0.100	27.156	-0.080	27.174	-0.064
27.189	-0.056	27.207	-0.056	27.230	-0.036	27.239	-0.051
27.251	-0.079	27.261	-0.091	27.281	-0.071	27.298	-0.067
27.319	-0.023	27.331	-0.004	27.346	-0.011	27.363	-0.023

27.375	-0.039	27.392	-0.039	27.413	-0.027	27.430	-0.015
27.440	-0.003	27.458	-0.003	27.478	0.021	27.507	0.025
27.518	0.017	27.541	-0.019	27.552	-0.023	27.572	-0.007
27.596	-0.027	27.627	0.029	27.649	0.049	27.665	0.065
27.683	0.049	27.697	0.037	27.721	0.037	27.733	0.025
27.752	0.005	27.768	-0.004	27.783	-0.024	27.803	0.004
27.816	0.028	27.821	0.036	27.831	0.024	27.849	-0.008
27.859	-0.016	27.879	-0.008	27.899	-0.025	27.917	-0.001
27.927	0.003	27.949	-0.025	27.968	-0.009	27.985	0.022
28.000	0.034	28.010	0.026	28.033	0.002	28.051	-0.022
28.075	0.006	28.089	0.014	28.117	0.001	28.144	0.005
28.165	-0.007	28.196	0.013	28.222	0.032	28.254	0.052
28.285	0.044	28.320	0.036	28.338	0.012	28.359	-0.008
28.380	0.016	28.408	0.048	28.430	0.083	28.442	0.091
28.467	0.083	28.491	0.079	28.503	0.067	28.520	0.039
28.536	0.019	28.551	0.007	28.567	0.007	28.584	0.027
28.602	0.043	28.614	0.059	28.630	0.090	28.641	0.083
28.665	0.059	28.681	0.031	28.692	0.023	28.709	0.031
28.725	0.051	28.750	0.043	28.767	0.047	28.799	0.075
28.818	0.087	28.826	0.091	28.842	0.055	28.852	0.035
28.873	0.019	28.886	0.004	28.894	0.004	28.910	0.016
28.922	0.024	28.941	0.008	28.951	-0.000	28.971	0.012
28.993	0.024	29.010	0.036	29.023	0.020	29.041	-0.000
29.062	0.004	29.083	-0.020	29.099	-0.044	29.116	-0.051
29.135	-0.032	29.155	-0.020	29.168	-0.008	29.190	-0.020
29.201	-0.044	29.213	-0.056	29.231	-0.032	29.250	-0.016
29.263	-0.012	29.277	-0.016	29.292	-0.024	29.305	-0.036
29.322	-0.024	29.343	-0.044	29.358	-0.056	29.374	-0.044
29.414	-0.021	29.425	-0.017	29.438	-0.029	29.474	0.011
29.498	0.026	29.519	0.058	29.535	0.066	29.561	0.038
29.597	0.054	29.630	0.022	29.661	0.057	29.692	0.077
29.739	0.076	29.769	0.024	29.795	0.012	29.817	0.004
29.834	-0.008	29.878	0.039	29.892	0.035	29.926	0.011
29.941	0.015	29.952	-0.001	29.976	-0.037	30.017	-0.049
30.032	-0.045	30.042	-0.034	30.073	-0.054	30.086	-0.046
30.108	-0.030	30.125	-0.018	30.136	-0.042	30.151	-0.062
30.162	-0.074	30.172	-0.066	30.196	-0.019	30.205	-0.007
30.221	-0.023	30.233	-0.035	30.262	-0.035	30.278	-0.028
30.287	-0.028	30.300	-0.040	30.324	-0.084	30.337	-0.084
30.365	-0.052	30.378	-0.040	30.396	-0.060	30.417	-0.072
30.434	-0.053	30.453	-0.037	30.472	-0.057	30.518	-0.061
30.546	-0.018	30.556	-0.014	30.571	-0.030	30.589	-0.058
30.610	-0.034	30.631	-0.042	30.652	-0.015	30.662	-0.015
30.677	-0.047	30.702	-0.043	30.715	-0.039	30.736	-0.047
30.767	-0.032	30.775	-0.024	30.800	-0.024	30.814	-0.016
30.833	-0.036	30.864	-0.072	30.884	-0.080	30.904	-0.061
30.944	-0.006	30.958	0.006	30.977	-0.018	31.012	-0.038
31.034	-0.058	31.043	-0.062	31.063	-0.035	31.073	-0.023
31.082	-0.047	31.100	-0.083	31.107	-0.095	31.119	-0.068
31.142	0.043	31.151	0.071	31.159	0.067	31.176	0.023
31.197	-0.029	31.222	-0.061	31.242	-0.078	31.255	-0.058
31.279	0.005	31.294	0.041	31.308	0.049	31.321	0.036
31.338	0.012	31.371	0.115	31.383	0.127	31.391	0.103
31.419	-0.021	31.429	-0.041	31.437	-0.022	31.473	0.049
31.490	0.064	31.498	0.048	31.545	-0.060	31.559	-0.076
31.586	-0.041	31.612	-0.086	31.638	-0.023	31.660	0.000

31.676	0.040	31.702	0.023	31.721	0.038	31.737	0.018
31.755	-0.026	31.771	-0.050	31.796	-0.011	31.826	0.063
31.834	0.075	31.846	0.063	31.858	0.030	31.884	-0.050
31.909	-0.011	31.936	-0.039	31.954	0.008	31.963	0.008
31.988	-0.056	32.016	-0.005	32.026	-0.009	32.044	-0.021
32.067	0.002	32.094	-0.058	32.123	0.044	32.132	0.052
32.141	0.036	32.167	-0.040	32.174	-0.036	32.199	0.007
32.213	-0.009	32.232	-0.021	32.257	0.006	32.284	-0.022
32.305	-0.038	32.320	-0.007	32.348	0.048	32.382	0.008
32.406	0.024	32.424	0.011	32.464	0.011	32.486	0.046
32.516	0.006	32.537	0.014	32.562	0.037	32.582	0.028
32.596	0.004	32.621	0.071	32.637	0.074	32.659	0.030
32.672	0.018	32.690	0.041	32.709	0.085	32.719	0.089
32.736	0.069	32.758	0.030	32.800	-0.027	32.826	-0.001
32.845	0.044	32.851	0.036	32.852	0.036	32.853	0.036
32.857	0.025	32.866	0.009	32.878	-0.002	32.892	-0.026
32.906	-0.021	32.918	-0.005	32.927	0.023	32.936	0.035
32.952	0.036	32.960	0.036	32.973	0.032	32.986	0.033
33.000	0.041	33.015	0.057	33.027	0.058	33.036	0.054
33.048	0.051	33.060	0.055	33.075	0.047	33.085	0.044
33.096	0.040	33.110	0.045	33.129	0.049	33.143	0.061
33.151	0.076	33.166	0.052	33.172	0.037	33.185	0.021
33.201	0.016	33.214	0.016	33.224	0.008	33.237	0.008
33.251	0.032	33.260	0.060	33.270	0.072	33.284	0.079
33.297	0.079	33.308	0.067	33.321	0.043	33.335	0.035
33.348	0.027	33.362	0.051	33.374	0.063	33.393	0.062
33.401	0.058	33.414	0.062	33.430	0.070	33.443	0.070
33.456	0.066	33.467	0.042	33.482	0.029	33.493	0.021
33.509	0.009	33.520	-0.003	33.535	-0.011	33.550	-0.007
33.564	0.016	33.588	0.040	33.602	0.067	33.615	0.079
33.624	0.087	33.635	0.087	33.651	0.075	33.667	0.059
33.673	0.047	33.681	0.035	33.687	0.023	33.694	0.027
33.709	0.035	33.718	0.039	33.724	0.023	33.734	0.008
33.744	-0.008	33.756	0.008	33.769	0.020	33.784	0.004
33.793	-0.020	33.811	-0.000	33.831	0.036	33.845	0.036
33.855	0.036	33.883	0.028	33.898	0.036	33.915	0.060
33.926	0.092	33.942	0.105	33.961	0.097	33.973	0.077
33.985	0.038	33.998	0.019	34.007	0.007	34.015	-0.005
34.033	0.011	34.047	0.032	34.061	0.036	34.074	0.024
34.085	0.017	34.098	0.001	34.112	0.017	34.122	0.010
34.133	0.002	34.143	-0.002	34.155	-0.001	34.167	-0.001
34.177	0.007	34.195	0.024	34.208	0.016	34.224	0.013
34.238	0.014	34.247	0.006	34.259	-0.002	34.271	-0.009
34.280	-0.013	34.294	-0.016	34.312	-0.004	34.324	-0.003
34.332	-0.007	34.342	-0.010	34.350	-0.010	34.360	-0.018
34.376	-0.021	34.395	0.003	34.408	0.016	34.419	0.008
34.430	0.000	34.441	-0.007	34.455	-0.011	34.467	-0.011
34.482	-0.042	34.494	-0.065	34.505	-0.077	34.515	-0.077
34.530	-0.060	34.544	-0.052	34.555	-0.068	34.571	-0.087
34.584	-0.059	34.599	-0.035	34.613	-0.010	34.619	-0.010
34.636	-0.010	34.656	-0.006	34.671	-0.005	34.686	-0.025
34.698	-0.037	34.709	-0.045	34.728	-0.036	34.745	-0.024
34.773	0.008	34.789	0.016	34.804	0.032	34.817	0.020
34.834	-0.003	34.848	-0.015	34.863	-0.015	34.880	-0.015
34.899	-0.003	34.909	-0.003	34.922	-0.002	34.939	-0.014
34.952	-0.018	34.972	-0.026	34.989	-0.026	35.002	-0.026

35.014	-0.018	35.029	-0.017	35.044	-0.037	35.069	-0.045
35.080	-0.045	35.096	-0.045	35.103	-0.045	35.115	-0.040
35.135	-0.040	35.148	-0.040	35.168	-0.028	35.191	-0.040
35.211	-0.047	35.223	-0.055	35.239	-0.063	35.253	-0.059
35.270	-0.046	35.284	-0.050	35.299	-0.058	35.317	-0.034
35.331	-0.010	35.343	0.018	35.357	0.030	35.370	0.007
35.382	-0.009	35.397	-0.032	35.416	-0.024	35.426	-0.016
35.444	-0.039	35.461	-0.023	35.476	-0.007	35.487	-0.018
35.506	-0.030	35.527	-0.017	35.540	-0.005	35.562	0.015
35.578	-0.000	35.593	-0.012	35.612	-0.019	35.627	-0.023
35.647	-0.046	35.670	-0.053	35.687	-0.049	35.705	-0.025
35.727	0.008	35.742	0.024	35.764	0.009	35.781	-0.014
35.800	-0.038	35.807	-0.037	35.822	-0.017	35.838	-0.005
35.855	-0.008	35.868	-0.008	35.880	-0.007	35.892	-0.007
35.906	-0.007	35.921	-0.002	35.935	0.010	35.947	0.014
35.971	-0.029	35.986	-0.017	36.003	-0.016	36.022	-0.028
36.038	-0.027	36.052	-0.027	36.066	-0.027	36.088	-0.026
36.100	-0.026	36.121	-0.010	36.137	-0.009	36.150	-0.009
36.166	-0.013	36.181	-0.013	36.197	0.003	36.208	0.011
36.222	0.007	36.233	0.004	36.251	-0.000	36.262	-0.000
36.271	-0.008	36.287	-0.016	36.300	-0.004	36.323	0.009
36.338	-0.003	36.350	-0.023	36.366	-0.030	36.381	-0.018
36.400	0.002	36.413	-0.006	36.432	-0.021	36.448	-0.033
36.464	-0.029	36.477	-0.024	36.491	-0.024	36.506	-0.024
36.520	-0.019	36.529	-0.019	36.544	-0.019	36.564	-0.030
36.587	-0.002	36.607	0.010	36.620	-0.001	36.634	-0.017
36.648	-0.020	36.673	-0.008	36.688	-0.007	36.707	-0.007
36.723	-0.006	36.738	-0.006	36.758	-0.001	36.769	0.003
36.782	0.004	36.799	0.008	36.812	0.013	36.825	0.009
36.838	0.006	36.855	0.002	36.876	-0.005	36.889	-0.005
36.904	0.007	36.923	0.015	36.936	0.004	36.950	-0.008
36.966	0.008	36.981	0.013	37.000	0.001	37.018	-0.003
37.031	-0.002	37.047	-0.002	37.063	-0.006	37.078	-0.005
37.094	0.007	37.105	0.015	37.114	0.019	37.130	-0.005
37.144	-0.021	37.163	0.003	37.177	0.019	37.194	0.027
37.208	0.015	37.229	-0.000	37.247	-0.000	37.267	-0.004
37.276	-0.004	37.283	-0.004	37.293	-0.004	37.316	-0.008
37.324	-0.008	37.356	0.028	37.368	0.020	37.386	-0.008
37.401	-0.004	37.418	0.004	37.431	0.012	37.450	-0.004
37.471	-0.016	37.493	-0.016	37.514	0.000	37.530	0.012
37.545	0.004	37.563	-0.004	37.579	-0.012	37.597	-0.024
37.609	-0.036	37.629	-0.036	37.645	-0.032	37.662	-0.020
37.675	-0.012	37.688	-0.004	37.710	-0.012	37.728	-0.012
37.747	-0.008	37.763	-0.004	37.782	0.004	37.797	0.012
37.816	0.008	37.837	0.004	37.854	-0.008	37.871	-0.016
37.891	0.004	37.908	0.024	37.922	0.024	37.937	0.020
37.955	0.016	37.968	0.008	37.985	0.000	38.001	-0.004
38.018	-0.012	38.037	0.020	38.050	0.020	38.073	0.012
38.090	0.004	38.110	-0.008	38.132	-0.011	38.149	-0.011
38.161	-0.011	38.174	-0.011	38.186	-0.011	38.201	-0.011
38.222	0.017	38.241	0.021	38.259	0.021	38.280	0.014
38.301	-0.010	38.328	-0.022	38.349	-0.010	38.367	-0.006
38.388	-0.005	38.412	-0.009	38.431	-0.020	38.454	-0.024
38.480	-0.039	38.505	-0.055	38.525	-0.055	38.544	-0.054
38.556	-0.066	38.566	-0.070	38.582	-0.046	38.603	-0.030
38.622	-0.033	38.635	-0.041	38.659	-0.029	38.678	-0.005

38.693	0.003	38.714	-0.005	38.730	-0.013	38.742	-0.013
38.754	-0.017	38.775	-0.028	38.796	-0.020	38.814	-0.004
38.836	-0.008	38.854	-0.012	38.878	-0.012	38.896	-0.012
38.911	-0.012	38.934	-0.020	38.952	-0.012	38.967	-0.004
38.982	0.004	39.000	-0.024	39.022	-0.043	39.044	-0.028
39.064	-0.020	39.086	-0.020	39.110	-0.004	39.141	-0.008
39.166	-0.004	39.188	-0.004	39.212	-0.020	39.233	-0.004
39.246	-0.004	39.261	-0.020	39.287	0.016	39.303	0.032
39.326	0.028	39.351	0.020	39.376	0.012	39.394	-0.004
39.417	0.004	39.437	0.012	39.455	0.008	39.478	0.012
39.494	-0.012	39.514	-0.032	39.531	-0.040	39.553	-0.040
39.576	-0.036	39.593	-0.040	39.613	-0.028	39.636	-0.020
39.659	-0.008	39.674	-0.008	39.696	-0.032	39.715	-0.036
39.735	-0.016	39.752	0.004	39.772	-0.004	39.791	0.016
39.808	0.020	39.826	0.000	39.847	0.004	39.871	-0.004
39.883	-0.012	39.896	-0.012	39.911	-0.012	39.926	-0.028
39.943	-0.040	39.974	-0.020	39.993	-0.028	40.026	-0.020
40.029	-0.020	40.045	-0.020	40.065	-0.016	40.085	-0.005
40.107	0.003	40.129	0.019	40.148	0.011	40.161	0.006
40.181	0.014	40.206	0.026	40.222	0.026	40.246	0.033
40.260	0.033	40.275	0.033	40.286	0.017	40.300	-0.003
40.314	0.013	40.327	0.032	40.344	0.028	40.362	0.020
40.383	-0.008	40.403	-0.020	40.416	-0.016	40.434	-0.009
40.449	-0.021	40.470	0.011	40.491	0.014	40.513	-0.006
40.537	-0.026	40.558	0.002	40.576	0.017	40.598	0.005
40.616	0.005	40.636	0.001	40.655	-0.007	40.672	-0.011
40.689	-0.007	40.703	-0.007	40.725	-0.027	40.743	-0.015
40.764	-0.007	40.789	-0.011	40.807	-0.012	40.826	-0.012
40.847	-0.012	40.859	-0.016	40.879	-0.004	40.900	-0.004
40.928	-0.008	40.945	-0.004	40.963	0.004	40.983	0.032
41.003	0.052	41.021	0.044	41.040	0.016	41.061	0.032
41.079	0.040	41.099	0.044	41.124	0.044	41.142	0.048
41.157	0.048	41.177	0.040	41.204	0.048	41.230	0.029
41.249	0.025	41.271	0.017	41.290	0.009	41.303	0.001
41.321	-0.003	41.332	-0.003	41.352	0.013	41.377	0.001
41.393	-0.014	41.424	0.010	41.442	0.014	41.461	0.010
41.487	0.014	41.502	0.010	41.527	0.003	41.548	-0.009
41.565	-0.021	41.581	-0.021	41.597	-0.021	41.615	-0.001
41.631	-0.001	41.649	-0.009	41.666	-0.008	41.682	-0.008
41.703	-0.000	41.724	-0.000	41.745	0.020	41.763	0.036
41.785	0.036	41.801	0.036	41.815	0.032	41.830	0.036
41.844	0.048	41.858	0.060	41.876	0.079	41.899	0.075
41.918	0.063	41.937	0.063	41.958	0.059	41.970	0.055
41.988	0.079	42.008	0.087	42.031	0.083	42.054	0.063
42.078	0.059	42.102	0.055	42.117	0.059	42.141	0.066
42.164	0.062	42.182	0.062	42.203	0.062	42.224	0.078
42.241	0.078	42.265	0.065	42.299	0.037	42.328	0.021
42.352	0.021	42.370	0.005	42.387	0.001	42.412	0.013
42.430	0.005	42.450	0.005	42.468	0.005	42.484	0.005
42.510	0.013	42.533	0.016	42.552	0.001	42.569	-0.011
42.596	0.012	42.622	0.008	42.639	0.004	42.660	-0.012
42.681	-0.028	42.710	-0.020	42.728	-0.020	42.750	-0.032
42.774	-0.036	42.788	-0.036	42.805	-0.036	42.819	-0.036
42.848	-0.016	42.869	-0.008	42.885	-0.013	42.912	-0.041
42.939	-0.045	42.965	-0.045	42.984	-0.046	42.998	-0.046
43.015	-0.039	43.036	-0.051	43.051	-0.052	43.081	-0.041

43.095	-0.045	43.115	-0.058	43.147	-0.043	43.165	-0.055
43.178	-0.056	43.198	-0.056	43.212	-0.057	43.239	-0.062
43.260	-0.038	43.284	-0.023	43.310	-0.016	43.336	-0.016
43.357	-0.017	43.372	-0.013	43.384	-0.022	43.399	-0.046
43.417	-0.042	43.437	-0.042	43.454	-0.042	43.475	-0.027
43.486	-0.027	43.502	-0.015	43.523	-0.028	43.546	-0.036
43.565	-0.044	43.583	-0.044	43.604	-0.045	43.616	-0.045
43.635	-0.045	43.653	-0.037	43.674	-0.033	43.700	-0.022
43.712	-0.018	43.729	-0.018	43.750	-0.019	43.763	-0.019
43.784	-0.019	43.802	-0.007	43.822	-0.003	43.836	-0.008
43.853	-0.004	43.872	0.004	43.888	0.004	43.905	0.004
43.925	0.007	43.939	0.007	43.953	0.007	43.970	0.007
43.982	0.007	43.997	0.006	44.016	0.018	44.032	0.030
44.049	0.026	44.069	0.014	44.084	0.010	44.104	0.005
44.124	0.009	44.142	0.021	44.162	0.029	44.181	0.017
44.201	0.017	44.217	0.021	44.242	0.017	44.264	0.016
44.286	0.016	44.309	0.024	44.330	0.020	44.345	0.020
44.360	0.016	44.377	0.004	44.394	0.004	44.409	0.004
44.425	-0.004	44.442	-0.008	44.460	-0.008	44.479	0.000
44.497	0.008	44.516	0.008	44.534	0.008	44.554	0.000
44.568	-0.004	44.585	0.008	44.605	0.024	44.616	0.024
44.631	0.016	44.650	-0.004	44.667	0.012	44.687	0.032
44.704	0.028	44.722	0.020	44.734	0.016	44.748	0.012
44.764	0.016	44.773	0.020	44.793	0.004	44.808	-0.004
44.830	0.004	44.850	0.008	44.871	0.016	44.889	0.020
44.913	0.020	44.932	0.020	44.945	0.016	44.966	0.016
44.984	0.020	45.005	0.012	45.028	0.015	45.050	0.027
45.074	0.039	45.096	0.039	45.115	0.039	45.132	0.039
45.148	0.035	45.169	0.019	45.194	0.026	45.218	0.026
45.239	0.026	45.262	0.022	45.289	0.030	45.310	0.033
45.341	0.021	45.362	0.021	45.383	0.005	45.410	0.017
45.424	0.001	45.450	-0.011	45.471	-0.011	45.488	-0.011
45.512	-0.011	45.533	-0.027	45.557	-0.023	45.575	-0.024
45.591	-0.036	45.609	-0.032	45.631	-0.024	45.656	-0.036
45.679	-0.032	45.698	-0.032	45.728	-0.032	45.747	-0.028
45.783	-0.012	45.793	-0.004	45.816	-0.016	45.843	0.000
45.867	0.004	45.895	0.004	45.910	0.004	45.943	0.011
45.964	0.011	45.987	-0.005	46.009	-0.009	46.034	-0.005
46.053	0.007	46.071	0.006	46.095	0.010	46.107	0.010
46.131	-0.014	46.167	-0.019	46.194	-0.035	46.221	-0.035
46.254	-0.024	46.283	-0.021	46.305	-0.033	46.328	-0.029
46.348	-0.018	46.368	-0.018	46.392	-0.026	46.418	-0.022
46.441	-0.010	46.461	-0.011	46.482	-0.011	46.499	-0.011
46.516	-0.011	46.532	-0.015	46.548	-0.015	46.570	-0.011
46.597	-0.012	46.617	-0.008	46.635	-0.004	46.653	-0.008
46.687	-0.004	46.702	-0.004	46.722	0.004	46.737	0.004
46.760	0.000	46.774	0.000	46.802	0.016	46.823	0.016
46.841	0.016	46.865	0.020	46.879	0.024	46.893	0.020
46.908	0.020	46.927	0.020	46.950	0.004	46.967	0.012
46.987	0.012	47.012	-0.012	47.030	-0.008	47.047	-0.008
47.062	-0.008	47.087	-0.008	47.113	-0.012	47.126	-0.008
47.143	-0.008	47.157	-0.008	47.181	-0.004	47.202	-0.004
47.223	-0.004	47.240	-0.012	47.251	-0.012	47.269	-0.012
47.285	0.000	47.300	0.000	47.316	-0.004	47.328	-0.012
47.353	0.000	47.371	0.000	47.389	0.004	47.405	0.008
47.423	0.008	47.443	0.000	47.461	-0.020	47.487	-0.020

47.510	-0.012	47.535	-0.008	47.556	-0.008	47.581	-0.008
47.600	-0.008	47.633	-0.008	47.656	-0.012	47.685	-0.024
47.703	-0.036	47.721	-0.043	47.740	-0.055	47.760	-0.040
47.784	-0.028	47.805	-0.024	47.822	-0.024	47.839	-0.020
47.865	-0.008	47.890	-0.012	47.911	-0.016	47.935	-0.020
47.959	-0.028	47.978	-0.028	48.005	-0.028	48.026	-0.028
48.042	-0.032	48.068	-0.040	48.100	-0.024	48.131	-0.016
48.150	-0.012	48.186	-0.020	48.212	-0.016	48.244	-0.024
48.271	-0.012	48.315	-0.008	48.342	-0.008	48.376	-0.008
48.401	-0.008	48.421	0.000	48.442	0.000	48.465	-0.008
48.491	-0.008	48.511	-0.008	48.531	-0.008	48.549	-0.008
48.565	-0.008	48.598	-0.012	48.615	-0.012	48.639	-0.004
48.659	-0.004	48.677	-0.008	48.700	-0.008	48.722	-0.008
48.746	-0.008	48.785	0.000	48.816	0.000	48.833	0.004
48.850	0.020	48.875	0.016	48.890	0.004	48.911	-0.008
48.937	-0.008	48.955	-0.008	48.972	-0.008	48.988	-0.008
49.002	-0.008	49.015	-0.008	49.039	-0.008	49.060	-0.012
49.081	-0.020	49.100	-0.012	49.118	-0.004	49.142	-0.004
49.159	0.000	49.178	-0.012	49.197	-0.012	49.223	-0.008
49.239	-0.008	49.265	-0.004	49.282	-0.004	49.310	0.008
49.332	0.004	49.350	0.004	49.379	0.016	49.402	0.020
49.420	0.008	49.435	0.012	49.451	0.012	49.470	-0.004
49.487	-0.008	49.507	0.004	49.524	0.008	49.539	0.008
49.563	-0.004	49.582	0.004	49.606	0.020	49.629	0.020
49.651	0.012	49.667	0.012	49.682	0.012	49.701	0.020
49.718	0.016	49.739	0.004	49.758	0.012	49.778	0.020
49.803	0.012	49.822	0.016	49.842	0.028	49.864	0.020
49.884	0.008	49.901	0.012	49.920	0.008	49.938	0.004
49.953	-0.004	49.975	0.000	49.996	-0.004	50.027	-0.004
50.051	0.000	50.074	0.000	50.096	0.000	50.116	0.000
50.137	0.000	50.152	-0.004	50.176	-0.012	50.192	-0.004
50.207	0.008	50.230	0.008	50.247	0.004	50.266	-0.008
50.279	-0.020	50.302	-0.004	50.318	-0.004	50.336	-0.008
50.366	0.004	50.394	0.004	50.421	0.004	50.444	0.008
50.468	0.004	50.482	0.004	50.498	0.004	50.508	0.004
50.528	0.004	50.547	0.004	50.566	0.004	50.586	0.004
50.613	0.005	50.632	0.005	50.655	0.009	50.677	0.009
50.692	0.009	50.708	0.009	50.716	0.009	50.743	0.030
50.768	0.030	50.783	0.030	50.799	0.030	50.822	0.035
50.840	0.035	50.859	0.035	50.878	0.035	50.911	0.023
50.924	0.027	50.945	0.032	50.969	0.024	50.990	0.016
51.006	0.016	51.020	0.016	51.039	0.016	51.070	0.012
51.090	0.016	51.112	0.024	51.131	0.036	51.145	0.036
51.162	0.024	51.191	0.024	51.204	0.024	51.219	0.024
51.237	0.024	51.259	0.019	51.282	0.019	51.300	0.015
51.317	0.015	51.337	0.015	51.356	0.015	51.375	0.019
51.399	0.022	51.422	0.022	51.441	0.014	51.463	0.017
51.479	0.017	51.496	0.017	51.517	0.009	51.535	0.008
51.554	0.008	51.574	0.004	51.603	0.003	51.624	0.011
51.643	0.003	51.663	0.002	51.681	0.002	51.702	-0.006
51.721	-0.022	51.740	-0.022	51.776	-0.015	51.793	-0.015
51.812	-0.015	51.830	-0.011	51.850	-0.011	51.869	-0.011
51.886	-0.011	51.904	-0.016	51.927	-0.016	51.942	-0.016

IG112
71.038 2/9/71 0600 PST L.A. 611 W.6TH ST., BSMT. DOWN

2870 POINTS 51.992 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.0831 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.009	0.023	-0.065	0.038	-0.208	0.050	-0.307
0.063	-0.331	0.075	-0.287	0.081	-0.243	0.093	-0.172
0.116	0.094	0.129	0.114	0.133	0.074	0.156	-0.112
0.168	-0.152	0.174	-0.116	0.181	-0.025	0.201	-0.057
0.233	0.082	0.239	-0.005	0.249	-0.029	0.261	-0.128
0.272	-0.156	0.283	-0.105	0.303	0.161	0.313	0.169
0.325	0.122	0.337	0.086	0.345	0.130	0.364	0.328
0.374	0.316	0.380	0.289	0.395	0.110	0.413	-0.049
0.423	-0.112	0.448	-0.148	0.458	-0.101	0.490	0.165
0.509	0.066	0.528	-0.002	0.530	-0.049	0.551	-0.276
0.555	-0.300	0.564	-0.181	0.580	0.026	0.596	0.105
0.611	0.161	0.636	0.121	0.642	0.014	0.657	-0.260
0.681	-0.257	0.692	-0.161	0.718	0.148	0.749	0.037
0.763	-0.189	0.790	-0.055	0.810	0.124	0.822	0.164
0.841	0.132	0.857	0.187	0.873	0.215	0.890	0.279
0.916	0.139	0.933	0.032	0.961	-0.182	0.999	0.012
1.024	-0.127	1.043	-0.123	1.056	-0.123	1.092	0.083
1.108	0.079	1.136	0.015	1.145	0.043	1.172	-0.271
1.184	-0.188	1.199	0.122	1.214	0.277	1.224	0.276
1.236	0.205	1.262	0.018	1.280	0.054	1.298	0.101
1.309	0.125	1.341	-0.050	1.360	-0.066	1.374	-0.078
1.396	-0.054	1.423	-0.102	1.440	-0.070	1.454	-0.039
1.465	-0.023	1.491	-0.059	1.502	-0.015	1.517	0.033
1.533	-0.015	1.553	-0.106	1.563	-0.047	1.586	0.128
1.611	0.005	1.625	0.026	1.652	-0.002	1.675	-0.002
1.690	0.011	1.713	0.106	1.740	-0.044	1.759	-0.032
1.779	-0.113	1.815	0.041	1.839	0.028	1.841	0.016
1.863	-0.237	1.877	-0.181	1.890	0.001	1.911	0.033
1.937	0.120	1.957	0.040	1.987	0.098	2.028	0.284
2.044	0.216	2.058	0.085	2.074	-0.090	2.092	-0.106
2.114	-0.035	2.128	-0.003	2.138	0.136	2.162	0.239
2.186	0.081	2.207	0.034	2.229	0.127	2.235	0.127
2.250	0.115	2.262	0.056	2.271	-0.023	2.288	-0.018
2.307	-0.152	2.320	-0.230	2.332	-0.197	2.355	-0.055
2.365	-0.042	2.386	-0.071	2.408	0.003	2.426	-0.019
2.444	0.053	2.468	-0.041	2.483	-0.179	2.486	-0.227
2.496	-0.270	2.529	-0.210	2.556	-0.221	2.566	-0.237
2.569	-0.245	2.585	-0.220	2.607	-0.355	2.615	-0.331
2.631	-0.108	2.647	0.083	2.659	0.123	2.674	0.219
2.682	0.187	2.703	0.037	2.708	0.030	2.724	0.019

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
2.744	-0.170	2.756	-0.197	2.778	-0.152	2.800	-0.111
2.813	0.108	2.826	0.216	2.846	0.043	2.854	-0.028
2.871	-0.094	2.890	0.137	2.900	0.237	2.912	0.270
2.930	0.212	2.957	0.257	2.976	0.059	2.982	0.023
2.998	-0.199	3.019	-0.310	3.043	-0.282	3.053	-0.266
3.074	-0.001	3.086	0.023	3.106	0.031	3.121	0.031
3.143	0.046	3.161	-0.001	3.189	0.095	3.208	-0.143
3.223	-0.231	3.235	-0.294	3.241	-0.377	3.249	-0.389
3.268	-0.230	3.292	-0.218	3.311	0.064	3.314	0.120
3.330	0.112	3.341	-0.010	3.346	-0.193	3.362	-0.518
3.372	-0.478	3.386	-0.216	3.398	-0.101	3.420	-0.049
3.438	0.015	3.448	0.234	3.466	0.337	3.477	0.329
3.489	0.234	3.509	0.127	3.521	0.143	3.542	-0.139
3.555	-0.219	3.570	-0.100	3.591	0.031	3.619	-0.044
3.646	-0.207	3.661	-0.187	3.680	0.016	3.681	0.016
3.689	0.035	3.720	-0.076	3.742	-0.350	3.757	-0.298
3.781	-0.005	3.796	0.055	3.809	0.003	3.832	0.035
3.844	0.173	3.853	0.181	3.874	-0.025	3.892	-0.188
3.907	-0.085	3.914	0.058	3.923	0.197	3.946	0.197
3.954	0.137	3.965	0.085	3.993	0.018	4.009	-0.161
4.029	-0.316	4.046	-0.185	4.060	-0.094	4.069	-0.026
4.081	0.160	4.096	0.283	4.111	0.263	4.118	0.092
4.121	-0.031	4.148	-0.221	4.163	-0.126	4.182	0.132
4.204	0.386	4.214	0.378	4.224	0.215	4.235	0.076
4.261	-0.532	4.274	-0.579	4.282	-0.492	4.293	-0.190
4.305	0.052	4.329	0.191	4.340	0.167	4.354	0.075
4.378	0.131	4.398	-0.016	4.421	0.027	4.444	-0.045
4.458	0.003	4.482	0.094	4.497	0.086	4.510	-0.006
4.528	-0.196	4.539	-0.212	4.540	-0.212	4.553	-0.181
4.570	-0.018	4.589	0.093	4.591	0.093	4.600	0.049
4.607	-0.094	4.619	-0.237	4.630	-0.245	4.649	-0.174
4.680	0.020	4.684	0.012	4.717	0.028	4.731	-0.012
4.755	-0.064	4.783	-0.017	4.809	-0.165	4.828	-0.141
4.846	-0.070	4.863	-0.070	4.882	0.005	4.889	0.068
4.914	0.115	4.923	0.028	4.941	0.051	4.942	0.079
4.961	0.305	4.967	0.305	4.976	0.281	4.985	0.225
5.007	0.046	5.031	0.097	5.042	0.053	5.054	0.025
5.069	-0.007	5.082	-0.011	5.091	0.048	5.103	0.171
5.114	0.163	5.125	0.056	5.145	-0.067	5.165	0.008
5.177	0.146	5.196	0.361	5.215	0.487	5.236	0.356

5.249	0.288	5.282	0.085	5.286	0.038	5.305	-0.169
5.312	-0.177	5.329	-0.118	5.338	-0.157	5.363	-0.205
5.377	-0.209	5.384	-0.178	5.398	0.037	5.411	0.188
5.418	0.227	5.437	0.334	5.450	0.441	5.459	0.461
5.475	0.417	5.499	0.191	5.519	0.091	5.532	-0.099
5.550	-0.322	5.561	-0.540	5.570	-0.580	5.585	-0.513
5.608	-0.354	5.625	-0.041	5.638	0.182	5.647	0.209
5.658	0.177	5.673	-0.045	5.685	-0.152	5.694	-0.125
5.715	-0.002	5.728	-0.010	5.742	-0.097	5.743	-0.117
5.755	-0.125	5.784	0.029	5.797	0.132	5.802	0.112
5.812	-0.003	5.830	-0.146	5.854	-0.114	5.877	-0.115
5.891	-0.091	5.900	-0.008	5.914	0.151	5.920	0.194
5.942	0.154	5.954	0.245	5.961	0.356	5.970	0.447
5.979	0.419	5.995	0.276	6.019	0.077	6.036	-0.010
6.060	-0.174	6.071	-0.229	6.090	-0.166	6.102	-0.008
6.117	0.060	6.139	0.103	6.171	0.150	6.187	0.161
6.218	0.117	6.227	0.101	6.233	0.176	6.239	0.224
6.258	0.394	6.264	0.402	6.275	0.362	6.291	0.151
6.305	-0.000	6.327	-0.028	6.339	-0.009	6.367	0.058
6.374	0.002	6.391	-0.117	6.416	-0.110	6.432	-0.174
6.442	-0.146	6.451	0.064	6.466	0.286	6.477	0.278
6.487	0.242	6.490	0.191	6.519	0.083	6.540	0.090
6.557	0.054	6.576	0.042	6.580	0.110	6.597	0.324
6.609	0.367	6.618	0.335	6.635	0.204	6.652	0.080
6.668	0.033	6.701	0.087	6.713	0.198	6.727	0.234
6.732	0.214	6.745	0.126	6.770	0.070	6.786	0.042
6.804	0.042	6.821	0.038	6.836	0.073	6.848	0.160
6.852	0.168	6.885	-0.095	6.898	-0.158	6.926	-0.171
6.946	-0.215	6.959	-0.096	6.970	-0.077	6.980	-0.105
6.995	-0.256	7.001	-0.359	7.013	-0.391	7.023	-0.368
7.032	-0.300	7.045	-0.229	7.059	-0.075	7.079	0.004
7.109	-0.072	7.121	-0.052	7.134	-0.009	7.149	-0.009
7.164	-0.149	7.178	-0.217	7.187	-0.245	7.198	-0.181
7.211	-0.019	7.235	0.072	7.254	-0.043	7.264	-0.127
7.282	-0.314	7.311	-0.334	7.327	-0.283	7.345	-0.268
7.350	-0.268	7.376	-0.082	7.400	-0.078	7.414	-0.118
7.424	-0.186	7.442	-0.309	7.466	-0.342	7.494	-0.291
7.520	-0.140	7.537	-0.137	7.551	-0.169	7.570	-0.253
7.598	-0.094	7.598	-0.094	7.609	-0.031	7.619	0.037
7.640	0.084	7.664	0.199	7.670	0.195	7.678	0.155
7.696	-0.071	7.712	-0.103	7.733	-0.060	7.752	-0.012
7.784	-0.139	7.797	-0.136	7.815	-0.199	7.826	-0.267
7.846	-0.446	7.869	-0.478	7.884	-0.386	7.893	-0.323
7.907	-0.085	7.922	0.066	7.949	0.059	7.958	0.027
7.971	-0.025	7.985	-0.009	7.996	0.063	8.009	0.015
8.019	-0.021	8.036	-0.060	8.057	-0.116	8.081	-0.104
8.090	-0.112	8.091	-0.112	8.125	-0.060	8.154	-0.147
8.178	-0.226	8.203	-0.337	8.225	-0.309	8.236	-0.222
8.254	-0.098	8.262	-0.015	8.284	0.160	8.300	0.184
8.326	0.204	8.344	0.264	8.364	0.244	8.380	0.189
8.400	0.070	8.432	0.015	8.450	-0.005	8.457	0.003
8.474	0.051	8.496	0.004	8.516	-0.028	8.528	0.004
8.558	0.068	8.573	0.001	8.584	-0.074	8.600	-0.130
8.630	-0.109	8.642	-0.030	8.660	0.117	8.677	0.173
8.700	0.181	8.721	0.201	8.726	0.158	8.740	0.035
8.768	0.051	8.785	-0.029	8.807	0.039	8.819	0.071

8.843	0.178	8.863	0.162	8.886	0.063	8.908	0.039
8.925	0.103	8.946	0.174	8.964	0.166	8.994	0.198
9.028	0.193	9.059	0.241	9.080	0.276	9.087	0.276
9.108	0.180	9.148	0.117	9.160	0.108	9.169	0.108
9.188	0.156	9.210	0.247	9.231	0.215	9.232	0.215
9.242	0.064	9.253	-0.008	9.271	-0.012	9.284	0.055
9.294	0.130	9.316	0.110	9.317	0.106	9.330	0.042
9.346	0.109	9.361	0.201	9.373	0.228	9.382	0.204
9.394	0.144	9.406	0.140	9.425	0.219	9.450	0.219
9.477	0.294	9.496	0.282	9.507	0.258	9.529	0.106
9.555	0.078	9.578	-0.038	9.590	-0.034	9.613	0.025
9.626	0.001	9.635	-0.039	9.657	-0.091	9.671	-0.194
9.685	-0.214	9.702	-0.151	9.721	0.039	9.730	0.071
9.739	0.070	9.755	0.030	9.769	-0.009	9.798	0.002
9.830	0.108	9.842	0.172	9.851	0.168	9.873	0.124
9.889	0.080	9.903	0.040	9.917	0.016	9.940	-0.016
9.960	0.015	9.983	-0.045	10.003	-0.009	10.015	0.054
10.027	0.074	10.037	0.046	10.048	-0.010	10.057	-0.030
10.077	-0.014	10.107	0.025	10.120	0.077	10.139	0.097
10.156	0.061	10.170	0.013	10.198	0.077	10.209	0.073
10.234	0.088	10.248	0.053	10.278	0.017	10.283	-0.007
10.306	-0.007	10.316	-0.019	10.332	0.001	10.344	0.028
10.376	0.068	10.395	0.068	10.406	0.048	10.423	-0.015
10.450	0.009	10.473	0.001	10.494	-0.003	10.513	-0.043
10.531	-0.067	10.554	-0.079	10.572	-0.110	10.592	-0.146
10.608	-0.067	10.629	-0.003	10.642	0.028	10.657	0.017
10.669	-0.027	10.684	-0.110	10.701	-0.083	10.718	-0.067
10.737	0.005	10.766	0.096	10.793	0.088	10.811	-0.023
10.830	-0.087	10.846	-0.162	10.878	-0.182	10.899	-0.103
10.911	-0.075	10.924	-0.079	10.937	-0.083	10.965	-0.015
10.968	-0.019	10.977	-0.027	10.985	-0.050	10.996	-0.094
11.005	-0.121	11.018	-0.109	11.033	-0.081	11.057	-0.068
11.079	-0.060	11.088	-0.052	11.100	-0.067	11.116	-0.122
11.122	-0.130	11.131	-0.110	11.144	-0.070	11.155	-0.046
11.170	-0.006	11.186	0.015	11.201	0.011	11.215	0.015
11.228	0.004	11.241	-0.004	11.254	-0.031	11.269	-0.063
11.285	-0.102	11.296	-0.082	11.310	-0.050	11.329	-0.017
11.340	0.007	11.349	0.015	11.358	0.023	11.368	0.023
11.376	0.007	11.389	-0.028	11.396	-0.040	11.408	-0.016
11.418	0.004	11.425	0.032	11.437	0.048	11.450	0.009
11.468	-0.046	11.488	-0.101	11.506	-0.133	11.528	-0.120
11.551	-0.089	11.570	-0.057	11.583	-0.010	11.597	0.101
11.610	0.113	11.622	0.093	11.635	0.053	11.651	0.017
11.668	0.016	11.687	0.068	11.714	0.131	11.733	0.158
11.748	0.158	11.757	0.126	11.771	0.086	11.780	0.062
11.791	0.046	11.818	0.038	11.834	0.046	11.846	0.041
11.872	-0.062	11.906	-0.162	11.928	-0.163	11.941	-0.127
11.952	-0.115	11.974	-0.021	11.985	-0.009	12.000	-0.065
12.017	-0.160	12.028	-0.216	12.044	-0.268	12.059	-0.256
12.075	-0.153	12.095	-0.070	12.116	0.001	12.126	0.008
12.138	-0.004	12.151	-0.036	12.160	-0.048	12.188	-0.044
12.197	-0.064	12.214	-0.081	12.231	-0.061	12.255	-0.002
12.277	0.018	12.298	0.013	12.327	-0.027	12.344	-0.043
12.360	-0.012	12.385	0.091	12.395	0.107	12.415	0.082
12.434	0.082	12.450	0.034	12.471	0.037	12.495	0.005
12.507	-0.003	12.530	-0.004	12.548	-0.040	12.562	-0.052

12.579	-0.005	12.602	0.023	12.614	0.050	12.637	0.117
12.647	0.129	12.670	0.069	12.690	0.097	12.707	0.112
12.732	0.096	12.752	0.044	12.772	-0.020	12.780	-0.036
12.796	-0.012	12.813	0.039	12.822	0.043	12.838	0.031
12.849	0.050	12.867	0.130	12.878	0.125	12.899	0.057
12.912	0.041	12.946	0.028	12.958	0.008	12.966	-0.008
12.987	-0.005	13.007	-0.045	13.017	-0.049	13.050	0.005
13.057	0.013	13.067	-0.003	13.084	-0.059	13.097	-0.083
13.113	-0.076	13.136	-0.041	13.171	0.009	13.181	0.045
13.191	0.076	13.202	0.072	13.216	0.071	13.235	0.114
13.258	0.101	13.276	0.109	13.305	0.096	13.320	0.111
13.338	0.146	13.370	0.181	13.386	0.145	13.402	0.093
13.411	0.089	13.445	0.100	13.472	0.166	13.488	0.186
13.514	0.145	13.538	0.117	13.582	0.128	13.606	0.187
13.615	0.174	13.629	0.150	13.642	0.146	13.660	0.170
13.686	0.225	13.699	0.221	13.714	0.173	13.726	0.109
13.750	0.010	13.767	-0.030	13.785	-0.019	13.802	0.013
13.818	0.040	13.834	0.072	13.843	0.060	13.871	-0.020
13.897	-0.064	13.915	-0.124	13.926	-0.128	13.938	-0.104
13.955	-0.109	13.980	-0.105	14.003	-0.145	14.035	-0.014
14.048	-0.018	14.060	-0.027	14.075	-0.015	14.087	-0.043
14.107	-0.103	14.126	-0.135	14.152	-0.112	14.175	-0.101
14.204	-0.014	14.215	-0.003	14.235	-0.031	14.250	-0.047
14.266	-0.044	14.286	-0.017	14.298	-0.001	14.316	-0.021
14.337	-0.002	14.348	-0.006	14.367	-0.067	14.381	-0.055
14.421	0.027	14.452	0.037	14.471	0.033	14.503	-0.008
14.534	0.007	14.580	0.017	14.592	0.028	14.605	0.004
14.624	-0.064	14.637	-0.076	14.648	-0.053	14.672	0.010
14.684	0.001	14.701	-0.031	14.730	-0.048	14.760	-0.069
14.783	-0.066	14.801	-0.058	14.825	-0.091	14.853	-0.127
14.878	-0.164	14.891	-0.180	14.913	-0.173	14.933	-0.181
14.948	-0.166	14.966	-0.134	14.980	-0.162	14.995	-0.151
15.017	-0.100	15.031	-0.108	15.041	-0.116	15.062	-0.105
15.082	-0.069	15.097	-0.066	15.115	-0.090	15.139	-0.161
15.151	-0.166	15.162	-0.138	15.184	-0.055	15.212	0.044
15.225	0.068	15.236	0.060	15.268	-0.008	15.287	-0.020
15.313	0.011	15.338	0.034	15.367	0.054	15.392	0.073
15.405	0.104	15.421	0.168	15.440	0.179	15.449	0.175
15.468	0.166	15.480	0.166	15.499	0.110	15.510	0.102
15.535	0.141	15.550	0.124	15.566	0.112	15.592	0.103
15.605	0.119	15.622	0.130	15.642	0.125	15.666	0.105
15.681	0.100	15.700	0.088	15.715	0.067	15.732	0.055
15.740	0.039	15.760	-0.033	15.775	-0.050	15.794	-0.042
15.814	-0.019	15.838	0.000	15.855	0.024	15.869	0.044
15.882	0.020	15.897	-0.040	15.916	-0.060	15.936	-0.041
15.956	0.054	15.974	0.078	15.992	0.081	16.021	0.045
16.047	0.021	16.059	0.037	16.072	0.060	16.085	0.064
16.097	0.032	16.115	0.013	16.131	0.005	16.151	0.025
16.170	0.021	16.182	0.025	16.204	0.080	16.227	0.096
16.249	0.112	16.256	0.124	16.280	0.092	16.305	0.064
16.333	0.072	16.352	0.064	16.368	0.080	16.378	0.080
16.393	0.064	16.414	0.020	16.430	-0.008	16.444	-0.016
16.459	-0.004	16.473	0.012	16.494	0.008	16.508	0.040
16.521	0.083	16.538	0.119	16.550	0.115	16.575	0.043
16.596	0.004	16.616	-0.004	16.641	0.009	16.660	0.029
16.686	0.073	16.710	0.121	16.723	0.109	16.741	0.073

16.763	0.054	16.780	0.042	16.807	0.042	16.824	0.019
16.839	0.007	16.852	0.015	16.868	0.004	16.882	-0.007
16.899	-0.015	16.912	-0.003	16.930	0.018	16.952	0.023
16.964	0.019	16.984	-0.004	17.006	-0.059	17.024	-0.058
17.044	-0.058	17.062	-0.085	17.081	-0.144	17.109	-0.136
17.134	-0.144	17.148	-0.124	17.167	-0.091	17.192	-0.091
17.205	-0.079	17.223	-0.043	17.239	-0.051	17.253	-0.058
17.275	-0.062	17.305	-0.089	17.329	-0.097	17.353	-0.116
17.383	-0.085	17.405	-0.084	17.423	-0.084	17.444	-0.092
17.463	-0.040	17.489	-0.021	17.512	-0.024	17.522	-0.032
17.539	-0.024	17.554	-0.056	17.570	-0.083	17.587	-0.071
17.600	-0.055	17.623	-0.063	17.636	-0.086	17.650	-0.102
17.659	-0.070	17.677	-0.038	17.698	0.002	17.729	0.018
17.750	0.043	17.773	0.039	17.792	0.004	17.808	-0.008
17.825	-0.024	17.842	-0.020	17.861	0.020	17.878	0.072
17.899	0.081	17.923	0.117	17.940	0.117	17.969	0.098
17.987	0.126	18.015	0.174	18.030	0.162	18.067	0.079
18.079	0.067	18.095	0.095	18.117	0.135	18.135	0.143
18.154	0.135	18.173	0.136	18.198	0.088	18.212	0.072
18.247	0.065	18.266	0.053	18.287	0.029	18.312	0.037
18.349	0.026	18.364	0.010	18.381	-0.013	18.403	0.011
18.421	-0.008	18.440	-0.008	18.454	-0.012	18.474	0.000
18.488	0.001	18.507	-0.019	18.526	-0.023	18.540	-0.058
18.556	-0.054	18.586	-0.033	18.613	-0.025	18.625	-0.017
18.660	-0.095	18.693	-0.095	18.724	-0.086	18.740	-0.066
18.760	-0.038	18.779	-0.045	18.807	-0.041	18.826	-0.084
18.842	-0.108	18.864	-0.108	18.884	-0.080	18.908	-0.048
18.925	0.016	18.941	0.016	18.963	-0.004	18.987	-0.008
19.005	0.004	19.022	-0.015	19.045	-0.039	19.059	-0.035
19.077	-0.019	19.092	-0.019	19.107	-0.015	19.127	-0.035
19.140	-0.035	19.157	-0.019	19.171	-0.035	19.192	-0.051
19.206	-0.035	19.220	-0.019	19.233	-0.031	19.247	-0.039
19.261	-0.051	19.274	-0.035	19.287	-0.007	19.302	0.021
19.313	0.021	19.330	0.013	19.357	-0.011	19.382	-0.042
19.403	-0.058	19.423	-0.050	19.445	0.014	19.466	0.038
19.483	0.042	19.502	0.070	19.515	0.070	19.537	0.046
19.557	0.047	19.591	0.024	19.620	0.005	19.641	-0.014
19.672	-0.014	19.683	-0.017	19.710	-0.001	19.727	-0.020
19.752	-0.043	19.772	-0.062	19.785	-0.042	19.802	0.002
19.817	0.014	19.836	0.011	19.866	0.008	19.889	-0.004
19.905	0.024	19.924	0.069	19.942	0.061	19.967	0.046
19.992	0.019	20.007	0.015	20.041	0.028	20.057	0.036
20.075	0.052	20.090	0.037	20.107	0.017	20.117	0.021
20.136	0.045	20.150	0.037	20.182	0.037	20.199	0.041
20.209	0.053	20.221	0.029	20.256	-0.018	20.271	-0.018
20.319	0.045	20.336	0.037	20.355	0.041	20.380	0.053
20.404	0.041	20.434	0.077	20.451	0.077	20.466	0.065
20.495	0.076	20.514	0.052	20.533	0.029	20.551	0.021
20.571	0.036	20.591	0.052	20.608	0.044	20.623	0.020
20.638	0.004	20.660	0.004	20.673	-0.012	20.685	-0.020
20.696	-0.008	20.715	-0.008	20.730	-0.020	20.749	-0.040
20.767	-0.060	20.780	-0.064	20.797	-0.052	20.829	-0.000
20.846	0.011	20.866	0.003	20.884	-0.017	20.894	-0.025
20.913	-0.017	20.931	-0.010	20.943	-0.010	20.960	-0.026
20.972	0.002	20.988	0.029	20.997	0.049	21.012	0.065
21.024	0.049	21.040	0.017	21.056	-0.007	21.070	-0.031

21.084	-0.027	21.104	-0.024	21.121	-0.024	21.142	-0.016
21.155	0.007	21.164	0.027	21.176	0.055	21.189	0.046
21.206	0.022	21.225	0.002	21.249	0.006	21.265	-0.010
21.290	-0.027	21.311	0.001	21.331	-0.003	21.350	-0.031
21.364	-0.039	21.382	-0.032	21.401	-0.004	21.421	0.043
21.439	0.059	21.453	0.075	21.469	0.051	21.485	0.019
21.493	0.003	21.513	0.006	21.525	0.018	21.538	-0.002
21.554	-0.038	21.564	-0.030	21.583	-0.026	21.601	-0.011
21.615	0.001	21.633	0.013	21.647	0.009	21.659	-0.015
21.673	-0.031	21.682	-0.039	21.700	-0.039	21.712	-0.031
21.727	-0.024	21.746	-0.024	21.761	-0.024	21.781	-0.040
21.801	-0.068	21.810	-0.052	21.825	-0.037	21.853	-0.029
21.878	-0.058	21.891	-0.058	21.931	-0.028	21.963	-0.037
21.985	-0.057	22.004	-0.102	22.018	-0.094	22.030	-0.083
22.050	-0.087	22.056	-0.080	22.080	-0.041	22.092	-0.021
22.112	-0.026	22.127	-0.035	22.141	-0.043	22.158	-0.048
22.180	-0.056	22.197	-0.077	22.215	-0.077	22.223	-0.074
22.235	-0.066	22.255	-0.043	22.274	-0.020	22.292	-0.017
22.297	-0.013	22.316	0.007	22.318	0.010	22.327	0.018
22.345	0.006	22.369	-0.007	22.384	0.000	22.386	0.000
22.409	0.027	22.431	0.038	22.448	0.030	22.463	0.021
22.468	0.021	22.493	0.016	22.511	0.016	22.529	0.027
22.540	0.035	22.548	0.042	22.569	0.033	22.586	0.029
22.589	0.033	22.605	0.040	22.611	0.040	22.631	0.027
22.649	0.022	22.670	0.022	22.673	0.021	22.684	0.009
22.703	0.000	22.720	-0.012	22.740	0.007	22.756	0.018
22.769	0.026	22.779	0.021	22.797	0.001	22.813	-0.008
22.831	0.015	22.846	0.039	22.863	0.062	22.876	0.062
22.891	0.041	22.901	0.033	22.917	0.044	22.930	0.052
22.944	0.043	22.956	0.047	22.973	0.058	22.991	0.066
23.002	0.065	23.014	0.057	23.026	0.045	23.037	0.028
23.048	0.012	23.058	-0.004	23.068	-0.008	23.081	0.003
23.092	0.015	23.107	0.023	23.113	0.023	23.125	0.018
23.133	0.014	23.146	0.014	23.158	0.030	23.169	0.053
23.179	0.065	23.191	0.085	23.202	0.084	23.216	0.084
23.229	0.068	23.242	0.048	23.253	0.032	23.265	0.020
23.278	0.012	23.290	0.003	23.303	-0.005	23.317	0.003
23.328	0.015	23.346	0.014	23.357	0.010	23.373	0.026
23.388	0.046	23.401	0.053	23.415	0.037	23.428	0.017
23.439	0.001	23.453	-0.023	23.467	-0.031	23.477	-0.035
23.489	-0.035	23.503	-0.027	23.515	-0.012	23.527	0.008
23.537	0.024	23.549	0.016	23.563	-0.000	23.578	-0.000
23.584	-0.001	23.597	-0.009	23.609	-0.013	23.621	-0.017
23.631	-0.017	23.644	-0.001	23.656	0.015	23.669	0.022
23.686	0.026	23.694	0.038	23.707	0.046	23.719	0.058
23.730	0.062	23.741	0.062	23.757	0.058	23.762	0.058
23.778	0.062	23.792	0.054	23.808	0.042	23.817	0.030
23.826	0.010	23.837	-0.002	23.850	-0.006	23.862	-0.002
23.875	0.002	23.888	-0.010	23.901	-0.026	23.916	-0.042
23.925	-0.042	23.934	-0.030	23.947	-0.014	23.958	-0.002
23.970	0.002	23.985	-0.006	23.999	-0.006	24.012	-0.002
24.025	0.002	24.041	-0.002	24.054	-0.010	24.068	-0.002
24.083	-0.002	24.106	-0.006	24.110	-0.006	24.125	-0.014
24.139	-0.010	24.154	-0.010	24.167	-0.018	24.181	-0.026
24.204	-0.026	24.207	-0.030	24.223	-0.034	24.243	-0.026
24.256	-0.018	24.271	-0.010	24.285	-0.003	24.303	-0.011

24.317	-0.015	24.326	-0.019	24.341	-0.011	24.355	-0.007
24.369	0.000	24.384	0.004	24.400	0.004	24.415	0.008
24.433	-0.004	24.444	-0.004	24.456	0.003	24.474	0.015
24.497	0.019	24.512	0.019	24.519	0.019	24.533	0.023
24.556	-0.005	24.563	-0.021	24.583	-0.029	24.593	-0.029
24.607	-0.029	24.626	-0.025	24.644	-0.025	24.650	-0.029
24.664	-0.025	24.684	-0.009	24.697	-0.001	24.714	0.007
24.731	0.019	24.743	0.023	24.765	0.011	24.781	-0.001
24.799	-0.005	24.815	0.007	24.832	0.011	24.850	0.003
24.865	-0.001	24.880	-0.000	24.898	-0.012	24.911	-0.020
24.928	-0.023	24.946	-0.027	24.957	-0.019	24.966	0.001
24.982	0.025	24.991	0.037	25.002	0.041	25.021	0.038
25.041	0.030	25.056	0.019	25.065	0.011	25.081	0.003
25.100	0.011	25.110	0.015	25.123	0.020	25.139	0.008
25.151	-0.012	25.161	-0.031	25.174	-0.047	25.194	-0.031
25.201	-0.031	25.215	-0.027	25.228	-0.023	25.240	-0.018
25.251	-0.014	25.269	-0.022	25.284	-0.018	25.297	-0.014
25.310	-0.010	25.321	-0.005	25.334	0.007	25.347	0.015
25.361	0.019	25.372	-0.001	25.389	-0.020	25.399	-0.024
25.405	-0.028	25.422	-0.016	25.433	0.000	25.446	0.012
25.465	0.028	25.473	0.036	25.483	0.040	25.497	0.048
25.517	0.045	25.530	0.045	25.538	0.045	25.550	0.053
25.568	0.057	25.582	0.053	25.592	0.049	25.601	0.046
25.612	0.050	25.623	0.030	25.637	0.022	25.656	0.018
25.661	0.026	25.677	0.038	25.690	0.051	25.702	0.051
25.713	0.051	25.728	0.048	25.743	0.041	25.760	0.021
25.776	-0.002	25.790	-0.018	25.806	-0.041	25.822	-0.052
25.834	-0.060	25.845	-0.063	25.858	-0.063	25.872	-0.062
25.897	-0.058	25.904	-0.050	25.918	-0.037	25.936	-0.025
25.953	-0.008	25.969	0.004	25.987	0.013	26.000	0.021
26.011	0.014	26.024	-0.001	26.031	-0.005	26.045	-0.009
26.061	-0.004	26.075	-0.019	26.088	-0.027	26.099	-0.030
26.110	-0.030	26.123	-0.033	26.139	-0.017	26.155	-0.020
26.167	-0.028	26.184	-0.016	26.199	0.004	26.210	0.028
26.225	0.048	26.242	0.024	26.256	0.005	26.268	0.001
26.282	-0.003	26.297	0.017	26.315	0.021	26.325	0.009
26.345	0.009	26.359	0.006	26.365	0.002	26.381	0.022
26.396	0.041	26.412	0.045	26.428	0.037	26.444	0.022
26.463	0.026	26.478	0.026	26.503	0.010	26.515	0.010
26.526	0.006	26.545	0.018	26.568	0.002	26.589	0.006
26.604	-0.006	26.623	0.010	26.634	0.014	26.653	0.018
26.668	0.018	26.682	0.014	26.697	0.003	26.712	-0.001
26.728	0.015	26.743	0.027	26.756	0.024	26.769	-0.004
26.783	-0.027	26.797	-0.035	26.811	-0.035	26.826	-0.023
26.837	-0.015	26.852	-0.014	26.863	-0.006	26.879	0.002
26.889	-0.002	26.902	-0.017	26.910	-0.029	26.926	-0.005
26.937	0.019	26.953	0.012	26.970	0.004	26.984	0.008
26.999	0.009	27.014	0.009	27.031	-0.002	27.046	-0.018
27.063	-0.037	27.079	-0.045	27.089	-0.013	27.102	0.015
27.120	0.027	27.138	0.008	27.147	-0.008	27.166	-0.011
27.173	-0.003	27.187	0.009	27.213	0.021	27.226	0.009
27.238	0.001	27.255	0.001	27.267	-0.019	27.274	-0.023
27.289	0.005	27.300	0.017	27.319	-0.007	27.335	-0.011
27.350	-0.014	27.356	-0.014	27.372	0.009	27.386	0.017
27.400	0.002	27.418	-0.022	27.438	-0.010	27.455	-0.007
27.476	-0.031	27.493	-0.015	27.502	-0.011	27.518	-0.015

27.540	0.005	27.560	-0.011	27.578	-0.031	27.599	-0.032
27.616	-0.032	27.636	-0.012	27.649	-0.000	27.668	0.012
27.680	0.019	27.699	0.003	27.712	-0.016	27.724	-0.028
27.738	-0.013	27.752	-0.001	27.768	-0.009	27.780	-0.005
27.799	-0.013	27.817	-0.017	27.834	-0.033	27.845	-0.045
27.863	-0.021	27.878	-0.017	27.892	-0.021	27.910	-0.006
27.932	-0.046	27.950	-0.066	27.966	-0.074	27.987	-0.050
28.009	-0.054	28.021	-0.050	28.040	-0.035	28.055	-0.039
28.070	-0.051	28.085	-0.059	28.100	-0.063	28.119	-0.044
28.131	-0.028	28.146	-0.024	28.164	-0.028	28.183	-0.017
28.199	-0.006	28.228	0.010	28.235	0.005	28.250	0.001
28.266	-0.003	28.282	0.000	28.300	-0.008	28.313	-0.024
28.324	-0.029	28.341	-0.001	28.357	0.014	28.373	0.022
28.395	0.009	28.410	0.001	28.429	-0.007	28.443	-0.007
28.458	-0.004	28.467	-0.004	28.484	-0.008	28.504	-0.016
28.510	-0.016	28.529	-0.004	28.545	-0.001	28.568	-0.001
28.582	-0.009	28.600	0.003	28.613	0.007	28.634	-0.002
28.651	-0.002	28.664	-0.002	28.683	0.010	28.704	0.030
28.720	0.022	28.739	0.014	28.754	0.018	28.770	0.038
28.792	0.054	28.813	0.050	28.822	0.046	28.837	0.050
28.857	0.046	28.874	0.038	28.892	0.026	28.906	0.014
28.923	0.014	28.936	0.018	28.954	0.030	28.972	0.030
28.991	0.042	29.005	0.046	29.024	0.034	29.053	0.030
29.063	0.030	29.078	0.038	29.089	0.038	29.115	0.022
29.133	0.026	29.155	0.002	29.176	0.010	29.195	0.006
29.215	0.030	29.234	0.037	29.250	0.041	29.264	0.033
29.281	0.025	29.305	0.029	29.323	0.021	29.339	0.005
29.360	-0.012	29.372	-0.020	29.380	-0.008	29.403	0.008
29.414	0.008	29.430	-0.004	29.445	-0.016	29.464	-0.025
29.490	-0.013	29.512	-0.013	29.532	-0.029	29.557	-0.049
29.573	-0.030	29.592	-0.018	29.612	-0.026	29.638	-0.011
29.659	-0.031	29.676	-0.051	29.689	-0.055	29.707	-0.032
29.723	-0.016	29.744	-0.020	29.757	-0.024	29.763	-0.020
29.778	-0.029	29.805	-0.017	29.821	-0.021	29.834	-0.025
29.859	-0.045	29.872	-0.034	29.889	-0.010	29.906	0.006
29.917	0.026	29.938	0.013	29.953	-0.011	29.972	0.005
29.988	-0.011	30.007	-0.023	30.029	-0.023	30.051	-0.012
30.065	0.004	30.084	0.008	30.099	0.008	30.118	-0.020
30.141	-0.044	30.151	-0.032	30.161	-0.024	30.182	-0.005
30.199	-0.009	30.216	-0.021	30.239	-0.005	30.258	-0.001
30.276	0.003	30.295	0.010	30.307	0.014	30.324	0.002
30.343	-0.014	30.361	-0.026	30.372	-0.042	30.388	-0.050
30.403	-0.046	30.423	-0.014	30.437	-0.006	30.458	-0.042
30.477	-0.051	30.495	-0.043	30.506	-0.031	30.521	-0.011
30.539	0.000	30.555	-0.004	30.570	-0.032	30.586	-0.056
30.602	-0.056	30.621	-0.052	30.637	-0.028	30.651	-0.009
30.668	-0.001	30.691	-0.005	30.705	-0.013	30.723	-0.010
30.742	-0.022	30.761	-0.007	30.777	0.001	30.796	-0.023
30.813	-0.036	30.835	-0.016	30.846	0.007	30.864	0.019
30.879	0.018	30.892	0.018	30.912	-0.002	30.926	-0.006
30.944	-0.007	30.955	0.001	30.972	0.016	30.987	0.024
31.001	0.031	31.018	0.019	31.035	0.003	31.059	0.006
31.079	-0.003	31.100	0.025	31.117	0.048	31.131	0.059
31.149	0.043	31.166	0.023	31.186	0.014	31.207	0.006
31.228	0.017	31.252	0.008	31.268	0.008	31.281	0.012
31.297	0.007	31.312	0.011	31.331	-0.002	31.348	0.014

31.368	0.017	31.382	-0.003	31.397	-0.028	31.414	-0.044
31.434	-0.060	31.451	-0.081	31.469	-0.097	31.484	-0.078
31.500	-0.046	31.514	-0.023	31.528	-0.008	31.543	-0.004
31.555	-0.016	31.572	-0.033	31.590	-0.045	31.604	-0.050
31.622	-0.026	31.635	-0.011	31.655	-0.027	31.665	-0.028
31.681	-0.012	31.701	-0.013	31.719	0.010	31.737	-0.014
31.757	-0.051	31.779	-0.039	31.797	-0.036	31.814	-0.020
31.833	-0.009	31.846	0.003	31.861	0.030	31.881	0.054
31.898	0.061	31.917	0.045	31.931	0.028	31.955	0.052
31.976	0.059	31.992	0.051	32.009	0.023	32.032	0.002
32.050	0.022	32.069	0.030	32.081	0.002	32.096	-0.019
32.115	0.013	32.132	0.040	32.152	0.024	32.171	0.032
32.187	0.067	32.200	0.075	32.218	0.067	32.233	0.059
32.247	0.062	32.268	0.070	32.288	0.085	32.312	0.093
32.324	0.089	32.336	0.065	32.353	0.025	32.373	-0.003
32.388	0.008	32.405	0.020	32.424	0.031	32.439	0.011
32.451	-0.005	32.467	-0.017	32.480	-0.021	32.492	-0.021
32.510	0.003	32.525	0.019	32.542	0.034	32.558	0.046
32.572	0.039	32.580	0.039	32.599	0.066	32.617	0.082
32.630	0.062	32.644	0.051	32.666	0.051	32.680	0.043
32.690	0.031	32.704	0.012	32.724	-0.007	32.736	0.005
32.746	0.010	32.763	-0.001	32.780	-0.004	32.790	-0.012
32.803	-0.019	32.816	-0.035	32.825	-0.042	32.837	-0.029
32.855	0.012	32.868	0.024	32.881	0.024	32.898	0.001
32.911	-0.023	32.919	-0.031	32.933	-0.023	32.949	-0.007
32.961	0.009	32.974	0.005	32.989	-0.003	33.002	-0.011
33.014	-0.019	33.024	-0.039	33.036	-0.051	33.050	-0.051
33.064	-0.055	33.079	-0.035	33.097	-0.016	33.107	-0.016
33.116	-0.016	33.130	-0.008	33.141	-0.004	33.155	0.000
33.162	-0.004	33.177	-0.012	33.187	-0.012	33.200	-0.012
33.210	-0.012	33.222	-0.020	33.234	-0.020	33.254	-0.008
33.271	0.004	33.283	0.024	33.301	0.024	33.310	0.024
33.331	0.024	33.340	0.008	33.355	-0.012	33.369	-0.012
33.388	-0.008	33.403	-0.008	33.421	-0.008	33.435	0.016
33.448	0.020	33.468	0.008	33.490	-0.000	33.506	-0.004
33.521	-0.008	33.536	-0.008	33.551	-0.012	33.562	-0.012
33.580	0.001	33.603	0.001	33.618	0.002	33.637	0.006
33.651	-0.001	33.664	-0.005	33.681	-0.001	33.698	0.004
33.709	0.008	33.721	0.000	33.736	-0.035	33.749	-0.051
33.770	-0.022	33.790	-0.006	33.804	-0.006	33.812	-0.006
33.830	0.007	33.847	-0.000	33.858	0.000	33.872	0.001
33.884	0.001	33.896	0.002	33.915	-0.001	33.935	-0.004
33.947	0.000	33.965	0.001	33.983	-0.010	34.001	-0.006
34.016	-0.001	34.029	-0.000	34.053	0.009	34.068	0.005
34.082	0.006	34.095	0.006	34.111	0.011	34.126	0.011
34.143	0.008	34.161	0.009	34.174	0.001	34.188	0.006
34.203	0.015	34.226	0.023	34.243	0.016	34.256	0.013
34.272	0.001	34.284	-0.011	34.300	-0.018	34.320	-0.018
34.328	-0.017	34.346	-0.013	34.358	-0.009	34.378	-0.004
34.398	-0.008	34.412	-0.015	34.428	-0.019	34.441	-0.019
34.448	-0.034	34.463	-0.034	34.479	-0.026	34.497	-0.017
34.519	-0.005	34.530	-0.005	34.550	-0.005	34.571	-0.009
34.589	-0.012	34.609	-0.012	34.629	-0.028	34.644	-0.024
34.657	-0.024	34.674	-0.016	34.685	-0.015	34.703	-0.003
34.714	0.005	34.730	0.001	34.751	-0.023	34.764	-0.035
34.784	-0.031	34.795	-0.015	34.812	0.001	34.829	0.017

34.844	0.009	34.857	0.009	34.876	0.001	34.886	0.001
34.903	-0.003	34.915	0.001	34.932	0.013	34.951	0.028
34.964	0.032	34.978	0.032	34.994	0.025	35.005	0.025
35.019	0.025	35.034	0.033	35.045	0.033	35.063	0.021
35.080	0.009	35.102	0.001	35.114	-0.003	35.133	0.001
35.152	0.013	35.173	0.021	35.191	0.017	35.209	0.013
35.225	0.017	35.239	0.022	35.255	0.030	35.270	0.030
35.282	0.034	35.298	0.030	35.314	0.018	35.324	0.003
35.334	-0.009	35.345	-0.005	35.369	0.007	35.385	0.039
35.400	0.043	35.419	0.020	35.437	-0.008	35.456	-0.035
35.471	-0.039	35.481	-0.039	35.512	-0.003	35.533	0.021
35.556	0.029	35.573	0.034	35.594	0.010	35.610	-0.001
35.623	-0.001	35.638	-0.001	35.650	-0.001	35.664	-0.001
35.694	0.020	35.718	0.024	35.727	0.028	35.745	0.017
35.755	0.013	35.774	0.025	35.792	0.026	35.810	0.026
35.831	0.031	35.845	0.027	35.861	0.019	35.880	0.016
35.898	0.012	35.909	0.013	35.930	0.013	35.948	0.022
35.964	0.014	35.981	0.014	36.001	0.023	36.014	0.019
36.029	0.004	36.045	0.001	36.063	0.013	36.082	0.014
36.101	0.011	36.121	0.011	36.135	0.012	36.148	0.012
36.164	0.009	36.178	0.005	36.202	0.018	36.221	0.015
36.239	0.008	36.256	-0.004	36.273	-0.003	36.300	-0.014
36.318	-0.013	36.334	-0.017	36.354	-0.016	36.368	-0.011
36.385	-0.007	36.401	-0.006	36.419	-0.017	36.435	-0.017
36.450	-0.020	36.470	-0.015	36.489	-0.019	36.504	-0.042
36.521	-0.058	36.537	-0.061	36.551	-0.061	36.568	-0.040
36.594	-0.016	36.612	-0.023	36.627	-0.027	36.644	-0.030
36.662	-0.034	36.680	-0.017	36.700	-0.029	36.722	-0.036
36.740	-0.024	36.770	-0.015	36.789	-0.015	36.804	-0.011
36.819	-0.007	36.837	-0.014	36.850	-0.018	36.865	-0.002
36.881	0.003	36.898	-0.005	36.932	-0.012	36.949	-0.024
36.961	-0.028	36.987	-0.011	37.005	-0.007	37.032	-0.019
37.052	-0.018	37.073	-0.014	37.098	0.002	37.115	0.002
37.136	-0.002	37.161	0.015	37.185	0.031	37.207	0.035
37.225	0.035	37.245	0.043	37.265	0.047	37.282	0.048
37.297	0.044	37.311	0.032	37.327	0.024	37.347	0.028
37.365	0.028	37.384	0.036	37.396	0.036	37.406	0.036
37.421	0.012	37.440	0.004	37.457	0.005	37.470	0.005
37.492	0.021	37.511	0.032	37.524	0.032	37.537	0.032
37.551	0.009	37.566	-0.007	37.581	-0.015	37.597	-0.015
37.609	-0.015	37.632	-0.003	37.650	0.005	37.668	0.013
37.684	0.025	37.701	0.028	37.715	0.032	37.730	0.028
37.748	0.032	37.766	0.025	37.781	0.017	37.793	0.013
37.808	0.013	37.824	0.013	37.841	0.009	37.854	-0.003
37.867	-0.011	37.879	-0.011	37.900	0.001	37.920	0.001
37.935	0.001	37.950	0.009	37.966	0.017	37.981	0.017
37.995	0.017	38.010	0.017	38.022	0.001	38.040	0.001
38.056	0.001	38.077	0.001	38.093	0.013	38.120	0.032
38.147	0.044	38.168	0.040	38.179	0.036	38.189	0.036
38.204	0.036	38.220	0.036	38.237	0.048	38.253	0.052
38.271	0.040	38.287	0.040	38.300	0.028	38.314	0.021
38.323	0.013	38.341	0.013	38.353	0.013	38.368	0.013
38.391	0.017	38.404	0.021	38.412	0.021	38.428	0.021
38.441	0.021	38.452	0.017	38.467	0.013	38.479	0.001
38.493	-0.015	38.509	-0.019	38.521	-0.019	38.537	-0.019
38.558	-0.019	38.573	-0.019	38.590	-0.019	38.606	-0.007

38.619	0.001	38.637	-0.011	38.655	-0.011	38.668	-0.011
38.682	-0.011	38.697	-0.011	38.707	-0.011	38.721	-0.011
38.741	-0.023	38.759	-0.019	38.776	-0.019	38.790	-0.019
38.804	-0.019	38.825	-0.031	38.841	-0.035	38.863	-0.027
38.874	-0.027	38.892	-0.031	38.914	-0.039	38.935	-0.055
38.953	-0.055	38.972	-0.059	38.988	-0.039	39.009	-0.039
39.024	-0.039	39.039	-0.039	39.053	-0.035	39.071	-0.043
39.087	-0.047	39.107	-0.023	39.123	-0.003	39.145	0.005
39.163	0.001	39.180	-0.014	39.197	-0.022	39.221	-0.006
39.244	0.002	39.264	-0.006	39.289	-0.014	39.317	-0.026
39.329	-0.025	39.351	-0.021	39.370	-0.021	39.391	-0.025
39.410	-0.037	39.425	-0.037	39.439	-0.040	39.453	-0.036
39.469	-0.024	39.491	-0.016	39.506	-0.012	39.525	-0.012
39.548	-0.012	39.549	-0.012	39.584	-0.016	39.609	-0.008
39.630	-0.004	39.652	0.004	39.671	0.004	39.700	0.013
39.724	0.005	39.739	0.005	39.758	0.009	39.776	0.005
39.801	0.005	39.823	0.005	39.841	0.005	39.859	0.005
39.875	0.005	39.893	-0.003	39.919	-0.019	39.939	-0.015
39.962	-0.007	39.976	-0.007	39.998	0.001	40.015	0.005
40.033	-0.003	40.053	-0.007	40.082	0.005	40.102	0.005
40.117	0.005	40.138	0.005	40.155	-0.003	40.170	-0.007
40.179	-0.007	40.203	0.013	40.218	0.013	40.234	0.013
40.251	0.028	40.268	0.044	40.286	0.052	40.301	0.052
40.314	0.048	40.328	0.044	40.340	0.036	40.355	0.028
40.371	0.025	40.384	0.025	40.404	0.032	40.422	0.040
40.437	0.040	40.461	0.025	40.476	0.025	40.492	0.025
40.507	0.025	40.522	0.025	40.540	0.028	40.561	0.036
40.578	0.025	40.598	0.013	40.615	0.013	40.646	0.025
40.665	0.028	40.687	0.036	40.706	0.040	40.720	0.028
40.735	0.025	40.756	0.040	40.767	0.044	40.783	0.028
40.800	0.021	40.815	0.021	40.832	0.025	40.850	0.021
40.866	0.013	40.883	0.005	40.905	0.005	40.921	0.005
40.936	0.009	40.957	0.017	40.975	0.025	40.994	0.025
41.010	0.025	41.029	0.025	41.045	0.025	41.061	0.025
41.073	0.025	41.089	0.017	41.105	0.005	41.119	-0.003
41.145	0.013	41.161	0.009	41.176	0.009	41.191	0.009
41.207	0.017	41.231	0.017	41.242	0.013	41.263	0.013
41.280	0.017	41.298	0.005	41.324	-0.015	41.341	-0.019
41.363	-0.007	41.384	-0.003	41.403	-0.003	41.419	-0.007
41.435	-0.011	41.459	-0.023	41.477	-0.023	41.493	-0.019
41.520	-0.011	41.538	-0.011	41.571	-0.019	41.590	-0.015
41.608	-0.015	41.622	-0.015	41.642	-0.011	41.668	-0.003
41.690	-0.003	41.709	-0.003	41.730	-0.007	41.749	-0.008
41.769	-0.012	41.794	-0.024	41.816	-0.020	41.827	-0.020
41.842	-0.020	41.856	-0.020	41.875	-0.017	41.891	-0.017
41.911	-0.017	41.929	-0.017	41.949	-0.013	41.967	-0.013
41.984	-0.010	42.000	-0.010	42.017	-0.010	42.034	-0.010
42.044	-0.011	42.057	-0.011	42.074	-0.007	42.091	0.016
42.111	0.020	42.129	0.020	42.148	0.016	42.163	0.015
42.181	0.015	42.207	0.023	42.217	0.023	42.230	0.026
42.252	0.034	42.280	0.034	42.296	0.030	42.312	0.026
42.331	0.014	42.352	0.009	42.367	0.013	42.389	0.017
42.409	0.021	42.424	0.021	42.442	0.029	42.462	0.044
42.479	0.044	42.499	0.036	42.520	0.032	42.539	0.032
42.558	0.028	42.570	0.017	42.585	0.017	42.599	0.009
42.623	0.013	42.631	0.021	42.654	0.032	42.673	0.032

42.689	0.032	42.711	0.036	42.728	0.044	42.749	0.032
42.773	0.017	42.790	0.013	42.806	0.009	42.824	0.013
42.849	0.017	42.864	0.017	42.884	0.013	42.908	0.001
42.928	-0.003	42.948	-0.003	42.961	-0.003	42.977	-0.007
42.995	-0.007	43.012	0.001	43.031	0.005	43.048	0.005
43.066	0.005	43.085	0.001	43.101	0.001	43.117	0.001
43.137	0.013	43.151	0.005	43.167	0.005	43.189	-0.007
43.205	-0.007	43.219	-0.011	43.240	-0.003	43.258	-0.003
43.277	-0.007	43.295	-0.011	43.310	-0.011	43.335	-0.011
43.350	-0.003	43.370	-0.003	43.396	-0.007	43.416	-0.007
43.434	-0.011	43.458	-0.015	43.478	-0.012	43.499	-0.000
43.521	0.007	43.538	0.007	43.554	0.007	43.573	0.002
43.587	0.002	43.596	-0.002	43.601	-0.002	43.615	-0.002
43.627	-0.003	43.637	-0.003	43.642	-0.003	43.648	-0.003
43.675	-0.001	43.695	0.001	43.718	-0.008	43.737	-0.013
43.757	-0.015	43.772	-0.008	43.792	-0.005	43.811	-0.010
43.828	-0.039	43.848	-0.048	43.882	-0.050	43.918	-0.031
43.957	-0.024	43.991	-0.036	44.009	-0.047	44.042	-0.031
44.060	-0.039	44.087	-0.042	44.114	-0.026	44.134	-0.033
44.159	-0.033	44.197	-0.028	44.236	-0.020	44.270	-0.020
44.285	-0.024	44.315	-0.009	44.357	-0.024	44.385	-0.012
44.419	-0.024	44.455	-0.020	44.496	-0.012	44.521	-0.001
44.554	-0.008	44.582	-0.017	44.601	-0.033	44.640	-0.025
44.670	-0.025	44.714	-0.010	44.750	0.005	44.780	0.009
44.812	-0.004	44.856	-0.005	44.893	-0.005	44.918	0.010
44.946	0.014	44.983	0.025	45.034	0.024	45.058	0.015
45.089	0.023	45.127	0.018	45.162	0.010	45.195	0.009
45.210	0.009	45.233	0.009	45.268	0.013	45.294	0.021
45.342	0.021	45.355	0.013	45.389	0.009	45.428	0.013
45.473	0.013	45.508	0.021	45.544	0.013	45.584	0.005
45.615	0.012	45.643	0.012	45.663	-0.004	45.705	-0.004
45.729	-0.012	45.763	-0.016	45.794	-0.008	45.830	-0.020
45.863	-0.020	45.899	-0.021	45.924	-0.009	45.959	-0.021
46.010	-0.029	46.044	-0.018	46.072	-0.034	46.110	-0.034
46.145	-0.019	46.180	-0.007	46.233	-0.011	46.273	-0.012
46.301	-0.003	46.346	-0.001	46.388	-0.006	46.436	-0.006
46.473	-0.007	46.497	-0.023	46.536	-0.024	46.575	-0.021
46.614	-0.026	46.659	-0.023	46.696	-0.015	46.734	-0.008
46.738	-0.008	46.766	-0.032	46.804	-0.033	46.855	-0.026
46.890	-0.007	46.927	-0.003	46.970	0.000	47.008	-0.016
47.046	-0.028	47.080	-0.020	47.120	-0.021	47.172	-0.013
47.213	-0.013	47.253	-0.013	47.289	-0.021	47.335	-0.017
47.372	0.003	47.388	-0.009	47.421	-0.028	47.465	-0.020
47.509	-0.019	47.539	-0.019	47.561	-0.023	47.586	-0.010
47.618	-0.006	47.649	-0.002	47.680	-0.009	47.711	-0.013
47.751	-0.000	47.788	0.013	47.828	0.005	47.872	0.014
47.912	0.003	47.948	0.004	47.999	0.001	48.031	0.005
48.062	-0.011	48.103	-0.006	48.144	-0.006	48.199	-0.001
48.234	-0.001	48.268	-0.013	48.308	-0.017	48.342	-0.009
48.383	-0.005	48.431	0.002	48.435	0.006	48.469	-0.018
48.518	-0.013	48.546	-0.007	48.574	-0.011	48.621	-0.031
48.643	-0.003	48.682	-0.004	48.715	-0.009	48.752	-0.014
48.785	-0.026	48.826	-0.007	48.869	-0.016	48.929	-0.013
48.957	-0.005	48.990	-0.002	49.014	-0.010	49.038	-0.015
49.056	-0.011	49.095	-0.011	49.139	-0.004	49.158	-0.008
49.184	-0.003	49.218	-0.005	49.253	-0.013	49.286	-0.009
49.312	-0.005	49.343	-0.001	49.376	0.007	49.410	-0.001
49.438	-0.017	49.451	-0.005	49.472	-0.001	49.503	0.007
49.525	-0.009	49.559	-0.001	49.599	0.007	49.609	0.011
49.649	0.003	49.674	-0.001	49.695	-0.005	49.729	0.004
49.765	0.004	49.806	0.008	49.832	0.004	49.869	0.013
49.904	0.005	49.938	0.006	49.975	0.002	50.018	-0.005
50.052	-0.001	50.079	0.011	50.116	0.003	50.160	0.004
50.192	0.016	50.216	0.023	50.254	0.007	50.285	0.007
50.314	0.003	50.350	0.003	50.372	0.015	50.400	0.003
50.432	0.023	50.476	0.003	50.517	0.007	50.548	0.003
50.586	0.011	50.622	0.008	50.665	0.004	50.679	-0.004
50.717	0.012	50.755	0.008	50.779	0.000	50.823	-0.007
50.835	-0.003	50.877	-0.015	50.892	-0.012	50.925	-0.008
50.966	0.004	50.989	-0.004	51.022	0.008	51.065	0.007
51.085	0.011	51.105	-0.017	51.139	-0.010	51.189	-0.003
51.207	-0.007	51.221	-0.019	51.256	-0.016	51.277	-0.016
51.298	-0.032	51.326	-0.029	51.361	-0.030	51.396	-0.018
51.422	-0.031	51.459	-0.015	51.498	-0.019	51.516	-0.015
51.552	0.000	51.599	-0.004	51.636	-0.004	51.654	-0.004
51.693	-0.004	51.713	-0.011	51.757	-0.006	51.776	-0.018
51.820	-0.017	51.852	-0.017	51.887	-0.016	51.919	-0.032
51.962	-0.031	51.992	-0.019				

IG113
71.040 2/9/71 C6COPST L.A. 611 W. SIXTH ST. 42ND FLOCR N52W

2235 PCINTS 48.385 SECCNDS

SCALED CATA, WITH THE DIGITIZED FIXED TRACE SMCCTHED
AND SUBTRACTEC, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HCRIZCNTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATICN OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2609 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.285	0.018	0.345	0.045	0.345	0.068	0.340
0.090	0.336	0.101	0.328	0.118	0.360	0.139	0.419
0.157	0.475	0.175	0.487	0.186	0.483	0.205	0.443
0.224	0.426	0.241	0.374	0.258	0.314	0.280	0.306
0.300	0.330	0.320	0.357	0.334	0.365	0.354	0.329
0.378	0.264	0.395	0.164	0.412	0.040	0.429	-0.064
0.443	-0.133	0.460	-0.129	0.472	-0.113	0.494	-0.137
0.521	-0.170	0.544	-0.170	0.562	-0.190	0.584	-0.178
0.601	-0.170	0.625	-0.202	0.643	-0.254	0.657	-0.322
0.675	-0.358	0.693	-0.447	0.711	-0.547	0.726	-0.619
0.744	-0.643	0.758	-0.611	0.774	-0.511	0.789	-0.387
0.805	-0.307	0.823	-0.223	0.840	-0.135	0.855	-0.091
0.875	-0.071	0.893	0.001	0.909	0.048	0.934	0.048
0.952	0.088	0.970	0.184	0.990	0.260	1.015	0.264
1.034	0.252	1.053	0.192	1.068	0.108	1.082	-0.020
1.096	-0.096	1.110	-0.160	1.128	-0.176	1.140	-0.152
1.161	-0.049	1.178	0.015	1.193	0.039	1.214	0.063
1.238	0.127	1.258	0.199	1.276	0.303	1.284	0.351
1.309	0.399	1.333	0.423	1.355	0.463	1.374	0.499
1.394	0.539	1.412	0.551	1.432	0.531	1.450	0.459
1.468	0.363	1.481	0.259	1.500	0.187	1.520	0.103
1.539	0.047	1.560	-0.045	1.585	-0.125	1.603	-0.221
1.619	-0.301	1.638	-0.369	1.650	-0.405	1.672	-0.405
1.689	-0.377	1.713	-0.313	1.735	-0.241	1.755	-0.193
1.776	-0.121	1.787	-0.101	1.801	-0.117	1.818	-0.205
1.838	-0.317	1.855	-0.425	1.880	-0.449	1.901	-0.461
1.924	-0.461	1.940	-0.441	1.960	-0.485	1.986	-0.545
2.007	-0.617	2.026	-0.637	2.043	-0.597	2.063	-0.545
2.087	-0.521	2.103	-0.481	2.131	-0.413	2.151	-0.417
2.176	-0.397	2.202	-0.301	2.227	-0.213	2.252	-0.125
2.268	-0.081	2.291	0.047	2.313	0.115	2.339	0.147
2.358	0.163	2.373	0.139	2.387	0.099	2.405	0.118
2.416	0.106	2.437	0.154	2.453	0.170	2.472	0.178
2.491	0.242	2.506	0.274	2.526	0.258	2.551	0.254
2.564	0.225	2.578	0.153	2.593	0.141	2.613	0.181
2.635	0.241	2.648	0.328	2.668	0.448	2.686	0.552
2.700	0.680	2.712	0.768	2.729	0.799	2.750	0.803
2.774	0.827	2.793	0.823	2.811	0.823	2.828	0.783
2.847	0.751	2.870	0.783	2.888	0.747	2.912	0.607
2.925	0.491	2.943	0.370	2.964	0.226	2.981	0.106

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
2.997	0.046	3.020	0.038	3.040	0.030	3.064	0.046
3.082	0.062	3.100	0.039	3.120	-0.073	3.139	-0.217
3.156	-0.341	3.172	-0.401	3.186	-0.537	3.201	-0.677
3.214	-0.769	3.234	-0.777	3.253	-0.889	3.269	-0.933
3.280	-1.001	3.298	-1.013	3.314	-0.988	3.332	-0.884
3.350	-0.776	3.366	-0.584	3.386	-0.392	3.402	-0.248
3.426	-0.156	3.443	-0.040	3.463	0.040	3.482	0.112
3.505	0.168	3.522	0.184	3.539	0.216	3.557	0.192
3.579	0.129	3.592	0.081	3.603	0.053	3.617	0.033
3.631	-0.059	3.645	-0.146	3.661	-0.150	3.676	-0.202
3.698	-0.230	3.718	-0.253	3.748	-0.225	3.772	-0.237
3.790	-0.253	3.820	-0.240	3.845	-0.268	3.870	-0.300
3.893	-0.280	3.915	-0.236	3.937	-0.187	3.958	-0.171
3.986	-0.155	4.015	-0.167	4.035	-0.142	4.056	-0.066
4.081	0.014	4.107	0.142	4.129	0.258	4.145	0.374
4.165	0.527	4.181	0.611	4.192	0.667	4.204	0.687
4.220	0.647	4.237	0.599	4.252	0.515	4.269	0.431
4.290	0.347	4.309	0.239	4.328	0.135	4.352	0.023
4.376	-0.093	4.402	-0.190	4.428	-0.282	4.454	-0.362
4.471	-0.394	4.491	-0.401	4.511	-0.385	4.532	-0.301
4.551	-0.217	4.568	-0.101	4.586	0.040	4.603	0.192
4.613	0.312	4.625	0.464	4.635	0.596	4.648	0.728
4.661	0.864	4.676	0.969	4.693	1.069	4.711	1.117
4.726	1.081	4.741	1.010	4.760	0.934	4.778	0.851
4.792	0.743	4.807	0.660	4.823	0.593	4.839	0.533
4.856	0.418	4.874	0.298	4.891	0.203	4.909	0.132
4.923	0.028	4.940	-0.067	4.956	-0.143	4.975	-0.170
4.987	-0.170	5.003	-0.193	5.018	-0.161	5.030	-0.149
5.043	-0.149	5.058	-0.124	5.083	-0.184	5.101	-0.159
5.117	-0.167	5.137	-0.143	5.164	-0.094	5.186	-0.070
5.205	-0.097	5.228	-0.149	5.245	-0.229	5.264	-0.337
5.285	-0.453	5.302	-0.553	5.317	-0.661	5.334	-0.745
5.354	-0.809	5.369	-0.877	5.382	-0.909	5.401	-0.881
5.416	-0.861	5.433	-0.757	5.452	-0.625	5.465	-0.497
5.478	-0.353	5.495	-0.205	5.517	-0.069	5.531	0.043
5.549	0.159	5.571	0.251	5.592	0.360	5.616	0.416
5.632	0.384	5.646	0.324	5.668	0.292	5.687	0.216
5.711	0.152	5.734	0.109	5.748	0.049	5.773	0.037
5.789	-0.027	5.804	-0.087	5.830	-0.078	5.853	-0.054
5.875	-0.042	5.895	0.018	5.917	0.099	5.936	0.159

5.957	0.203	5.973	0.227	5.996	0.272	6.018	0.260
6.035	0.240	6.059	0.188	6.077	0.132	6.102	0.108
6.117	0.120	6.136	0.160	6.156	0.172	6.173	0.252
6.191	0.356	6.211	0.444	6.230	0.524	6.251	0.595
6.265	0.627	6.283	0.671	6.304	0.675	6.330	0.654
6.356	0.650	6.382	0.642	6.404	0.609	6.418	0.549
6.436	0.529	6.453	0.473	6.471	0.472	6.485	0.440
6.507	0.460	6.529	0.452	6.554	0.424	6.576	0.408
6.594	0.408	6.618	0.360	6.639	0.327	6.664	0.311
6.693	0.251	6.717	0.219	6.733	0.179	6.760	0.171
6.777	0.123	6.796	0.051	6.821	-0.013	6.844	-0.065
6.862	-0.129	6.886	-0.165	6.899	-0.189	6.913	-0.193
6.935	-0.253	6.950	-0.269	6.975	-0.257	6.995	-0.261
7.013	-0.293	7.033	-0.285	7.059	-0.265	7.079	-0.277
7.109	-0.281	7.139	-0.285	7.164	-0.313	7.186	-0.329
7.212	-0.313	7.237	-0.277	7.261	-0.233	7.284	-0.145
7.308	-0.065	7.336	-0.008	7.365	0.036	7.385	0.080
7.411	0.136	7.444	0.168	7.462	0.180	7.487	0.148
7.508	0.080	7.531	0.001	7.559	-0.083	7.583	-0.155
7.605	-0.199	7.628	-0.223	7.655	-0.214	7.680	-0.214
7.705	-0.166	7.727	-0.126	7.751	-0.070	7.780	-0.014
7.806	0.026	7.821	0.034	7.845	0.014	7.873	-0.053
7.887	-0.101	7.915	-0.177	7.938	-0.237	7.960	-0.317
7.984	-0.401	8.002	-0.449	8.026	-0.477	8.051	-0.513
8.083	-0.533	8.108	-0.561	8.133	-0.581	8.158	-0.621
8.184	-0.633	8.204	-0.633	8.231	-0.629	8.252	-0.657
8.282	-0.689	8.306	-0.737	8.339	-0.749	8.365	-0.761
8.381	-0.769	8.400	-0.753	8.421	-0.729	8.445	-0.677
8.471	-0.629	8.496	-0.573	8.518	-0.537	8.536	-0.513
8.557	-0.477	8.581	-0.457	8.605	-0.441	8.630	-0.445
8.656	-0.469	8.679	-0.489	8.703	-0.494	8.733	-0.506
8.758	-0.510	8.792	-0.510	8.822	-0.522	8.854	-0.534
8.887	-0.550	8.915	-0.566	8.943	-0.578	8.969	-0.594
8.988	-0.606	9.005	-0.586	9.022	-0.558	9.045	-0.485
9.068	-0.401	9.086	-0.317	9.107	-0.264	9.134	-0.220
9.161	-0.183	9.191	-0.171	9.216	-0.162	9.244	-0.122
9.271	-0.082	9.299	-0.049	9.328	-0.033	9.355	-0.016
9.382	-0.004	9.413	0.029	9.438	0.057	9.466	0.082
9.497	0.098	9.523	0.118	9.551	0.138	9.577	0.170
9.599	0.213	9.628	0.281	9.659	0.349	9.683	0.412
9.708	0.464	9.740	0.464	9.764	0.463	9.788	0.430
9.817	0.422	9.845	0.429	9.870	0.428	9.888	0.444
9.909	0.487	9.932	0.507	9.960	0.546	9.987	0.577
10.018	0.589	10.046	0.592	10.071	0.584	10.096	0.575
10.127	0.586	10.152	0.610	10.174	0.629	10.201	0.673
10.231	0.700	10.259	0.755	10.283	0.818	10.311	0.861
10.338	0.904	10.366	0.918	10.391	0.908	10.419	0.895
10.450	0.877	10.480	0.871	10.510	0.854	10.536	0.848
10.561	0.851	10.582	0.846	10.604	0.845	10.628	0.820
10.650	0.791	10.667	0.774	10.680	0.758	10.692	0.745
10.716	0.724	10.744	0.691	10.771	0.650	10.799	0.577
10.828	0.508	10.854	0.431	10.881	0.346	10.912	0.241
10.943	0.160	10.976	0.091	11.009	0.018	11.040	-0.022
11.066	-0.043	11.097	-0.047	11.129	-0.064	11.163	-0.096
11.200	-0.120	11.218	-0.109	11.251	-0.113	11.277	-0.102
11.313	-0.082	11.347	-0.050	11.379	-0.094	11.414	-0.118

11.447	-0.158	11.479	-0.166	11.511	-0.154	11.549	-0.106
11.583	-0.074	11.615	-0.054	11.646	-0.029	11.674	0.011
11.703	0.043	11.725	0.063	11.743	0.071	11.770	0.035
11.796	-0.009	11.827	-0.041	11.857	-0.061	11.885	-0.085
11.911	-0.093	11.940	-0.065	11.969	-0.042	11.999	0.026
12.032	0.066	12.062	0.082	12.093	0.086	12.123	0.078
12.154	0.042	12.178	0.017	12.215	0.009	12.250	-0.003
12.287	-0.035	12.315	-0.091	12.338	-0.151	12.365	-0.203
12.388	-0.271	12.418	-0.339	12.450	-0.424	12.483	-0.504
12.516	-0.584	12.541	-0.640	12.567	-0.636	12.586	-0.640
12.616	-0.607	12.645	-0.571	12.673	-0.523	12.706	-0.483
12.736	-0.459	12.760	-0.443	12.795	-0.383	12.826	-0.326
12.857	-0.270	12.877	-0.265	12.907	-0.265	12.941	-0.240
12.974	-0.208	13.007	-0.191	13.041	-0.191	13.073	-0.206
13.098	-0.222	13.133	-0.230	13.171	-0.222	13.205	-0.213
13.235	-0.229	13.275	-0.257	13.301	-0.277	13.335	-0.285
13.365	-0.284	13.402	-0.268	13.441	-0.272	13.471	-0.296
13.502	-0.324	13.534	-0.400	13.562	-0.467	13.595	-0.547
13.623	-0.603	13.655	-0.630	13.679	-0.646	13.701	-0.634
13.736	-0.609	13.771	-0.581	13.807	-0.560	13.843	-0.515
13.886	-0.479	13.919	-0.446	13.949	-0.434	13.988	-0.445
14.028	-0.428	14.069	-0.388	14.103	-0.324	14.131	-0.264
14.163	-0.211	14.205	-0.175	14.243	-0.107	14.282	-0.035
14.316	0.021	14.347	0.049	14.391	0.065	14.435	0.052
14.478	0.060	14.523	0.056	14.568	0.088	14.607	0.107
14.631	0.103	14.664	0.103	14.703	0.095	14.734	0.082
14.773	0.094	14.807	0.102	14.841	0.134	14.875	0.162
14.908	0.185	14.941	0.209	14.979	0.241	15.016	0.289
15.042	0.329	15.076	0.361	15.106	0.370	15.144	0.398
15.187	0.410	15.231	0.430	15.274	0.462	15.317	0.518
15.349	0.574	15.378	0.614	15.408	0.639	15.443	0.619
15.476	0.559	15.516	0.507	15.555	0.459	15.606	0.399
15.643	0.363	15.679	0.318	15.717	0.246	15.752	0.194
15.782	0.186	15.815	0.178	15.850	0.186	15.887	0.146
15.930	0.137	15.966	0.153	16.002	0.205	16.033	0.213
16.069	0.197	16.100	0.161	16.139	0.142	16.180	0.122
16.221	0.098	16.258	0.090	16.298	0.118	16.335	0.150
16.371	0.155	16.413	0.155	16.461	0.179	16.502	0.211
16.540	0.239	16.580	0.235	16.623	0.215	16.670	0.190
16.718	0.166	16.761	0.138	16.806	0.109	16.850	0.105
16.901	0.084	16.958	0.076	17.003	0.063	17.045	0.051
17.088	0.054	17.133	0.069	17.174	0.073	17.221	0.060
17.263	0.028	17.306	-0.008	17.348	-0.025	17.384	-0.041
17.424	-0.029	17.454	0.006	17.491	0.050	17.524	0.073
17.561	0.080	17.594	0.048	17.631	0.031	17.671	-0.010
17.716	-0.030	17.755	-0.047	17.795	-0.052	17.833	-0.053
17.876	-0.047	17.917	-0.060	17.958	-0.093	17.998	-0.118
18.046	-0.162	18.085	-0.227	18.122	-0.259	18.162	-0.271
18.196	-0.279	18.235	-0.304	18.273	-0.324	18.312	-0.324
18.358	-0.352	18.406	-0.404	18.452	-0.448	18.489	-0.488
18.527	-0.552	18.567	-0.597	18.601	-0.593	18.634	-0.550
18.666	-0.494	18.700	-0.459	18.733	-0.423	18.770	-0.416
18.809	-0.420	18.850	-0.393	18.891	-0.378	18.930	-0.350
18.979	-0.319	19.029	-0.288	19.076	-0.248	19.121	-0.216
19.160	-0.204	19.204	-0.208	19.250	-0.192	19.298	-0.180
19.352	-0.172	19.400	-0.148	19.459	-0.140	19.516	-0.116

19.565	-0.109	19.605	-0.061	19.646	-0.022	19.695	-0.007
19.743	-0.016	19.791	-0.036	19.837	-0.033	19.879	-0.038
19.940	-0.031	19.983	-0.011	20.019	0.024	20.056	0.056
20.098	0.036	20.141	-0.004	20.175	-0.033	20.223	-0.041
20.266	-0.025	20.311	-0.001	20.364	0.015	20.406	0.027
20.437	0.075	20.472	0.123	20.506	0.159	20.537	0.171
20.567	0.162	20.606	0.162	20.647	0.153	20.690	0.149
20.735	0.136	20.770	0.135	20.806	0.162	20.853	0.197
20.890	0.260	20.931	0.323	20.968	0.383	21.002	0.423
21.041	0.438	21.086	0.406	21.137	0.358	21.170	0.290
21.203	0.258	21.232	0.206	21.259	0.158	21.284	0.129
21.301	0.109	21.322	0.100	21.342	0.112	21.360	0.112
21.372	0.120	21.381	0.124	21.392	0.128	21.400	0.137
21.421	0.147	21.435	0.153	21.448	0.140	21.464	0.128
21.481	0.121	21.497	0.109	21.508	0.101	21.520	0.102
21.536	0.110	21.551	0.119	21.567	0.123	21.580	0.127
21.597	0.131	21.612	0.135	21.624	0.143	21.641	0.127
21.659	0.143	21.680	0.139	21.701	0.135	21.720	0.127
21.738	0.127	21.755	0.127	21.770	0.119	21.781	0.115
21.796	0.111	21.808	0.107	21.822	0.103	21.838	0.107
21.859	0.107	21.874	0.115	21.884	0.111	21.900	0.106
21.913	0.110	21.924	0.114	21.937	0.118	21.950	0.138
21.961	0.158	21.975	0.162	21.992	0.158	22.005	0.174
22.022	0.186	22.040	0.189	22.057	0.193	22.070	0.201
22.089	0.213	22.108	0.212	22.124	0.212	22.143	0.212
22.161	0.207	22.177	0.203	22.201	0.175	22.219	0.154
22.232	0.142	22.252	0.134	22.265	0.118	22.280	0.113
22.296	0.105	22.312	0.097	22.328	0.096	22.343	0.088
22.363	0.092	22.380	0.083	22.394	0.079	22.410	0.083
22.425	0.078	22.437	0.078	22.457	0.066	22.474	0.057
22.489	0.049	22.503	0.045	22.518	0.029	22.530	0.017
22.546	0.017	22.564	0.021	22.580	0.017	22.593	0.009
22.603	0.005	22.618	0.005	22.631	0.013	22.645	0.001
22.661	-0.003	22.677	-0.003	22.690	-0.007	22.702	-0.003
22.718	-0.007	22.732	-0.015	22.744	-0.007	22.756	0.005
22.771	0.009	22.785	0.017	22.802	0.018	22.821	0.058
22.836	0.082	22.851	0.086	22.866	0.106	22.884	0.123
22.898	0.127	22.913	0.135	22.926	0.143	22.942	0.143
22.959	0.135	22.974	0.156	22.986	0.152	23.004	0.160
23.025	0.160	23.047	0.176	23.065	0.196	23.083	0.201
23.098	0.193	23.116	0.197	23.129	0.181	23.145	0.169
23.164	0.149	23.182	0.117	23.199	0.102	23.216	0.090
23.235	0.066	23.258	0.058	23.278	0.038	23.298	0.031
23.315	0.027	23.329	0.019	23.349	0.007	23.365	-0.001
23.385	-0.012	23.403	-0.008	23.418	-0.008	23.434	-0.012
23.453	-0.015	23.478	-0.023	23.495	-0.035	23.515	-0.039
23.531	-0.054	23.557	-0.082	23.578	-0.097	23.597	-0.117
23.614	-0.153	23.641	-0.188	23.660	-0.212	23.678	-0.251
23.700	-0.255	23.720	-0.274	23.739	-0.286	23.759	-0.294
23.779	-0.298	23.794	-0.294	23.810	-0.282	23.825	-0.274
23.843	-0.246	23.863	-0.206	23.887	-0.182	23.903	-0.174
23.927	-0.170	23.946	-0.178	23.966	-0.186	23.996	-0.186
24.014	-0.198	24.033	-0.199	24.052	-0.195	24.068	-0.192
24.089	-0.197	24.103	-0.201	24.114	-0.202	24.130	-0.198
24.148	-0.199	24.169	-0.155	24.183	-0.192	24.195	-0.204
24.211	-0.193	24.226	-0.189	24.247	-0.198	24.269	-0.179

24.294	-0.183	24.319	-0.195	24.337	-0.196	24.361	-0.232
24.380	-0.248	24.400	-0.261	24.424	-0.265	24.451	-0.281
24.475	-0.282	24.499	-0.286	24.524	-0.287	24.543	-0.270
24.562	-0.262	24.581	-0.262	24.604	-0.249	24.625	-0.217
24.645	-0.201	24.663	-0.212	24.683	-0.220	24.711	-0.244
24.729	-0.259	24.748	-0.283	24.766	-0.291	24.787	-0.295
24.810	-0.299	24.827	-0.300	24.843	-0.296	24.861	-0.288
24.879	-0.292	24.897	-0.284	24.917	-0.268	24.935	-0.265
24.951	-0.241	24.970	-0.217	24.991	-0.177	25.013	-0.173
25.034	-0.153	25.049	-0.162	25.068	-0.167	25.083	-0.152
25.112	-0.141	25.131	-0.126	25.152	-0.123	25.171	-0.115
25.193	-0.116	25.214	-0.117	25.235	-0.098	25.256	-0.083
25.277	-0.076	25.301	-0.065	25.319	-0.042	25.335	-0.026
25.352	-0.019	25.367	0.012	25.385	0.016	25.403	0.019
25.420	0.054	25.438	0.054	25.451	0.065	25.468	0.069
25.489	0.092	25.505	0.095	25.522	0.090	25.537	0.086
25.555	0.078	25.577	0.046	25.597	0.022	25.619	0.006
25.637	0.006	25.659	-0.006	25.677	0.002	25.696	-0.005
25.714	-0.017	25.730	-0.017	25.748	-0.025	25.763	-0.033
25.783	-0.032	25.802	-0.032	25.822	-0.032	25.838	-0.039
25.856	-0.039	25.877	-0.034	25.896	-0.042	25.914	-0.046
25.932	-0.065	25.951	-0.061	25.963	-0.056	25.975	-0.048
25.988	-0.048	26.006	-0.040	26.019	-0.040	26.033	-0.032
26.049	-0.021	26.066	-0.021	26.085	-0.013	26.103	0.003
26.120	-0.005	26.137	-0.001	26.155	0.014	26.169	0.014
26.186	0.030	26.205	0.054	26.227	0.054	26.247	0.053
26.267	0.081	26.286	0.089	26.310	0.108	26.328	0.124
26.340	0.124	26.362	0.152	26.386	0.191	26.403	0.203
26.424	0.215	26.448	0.238	26.463	0.238	26.484	0.238
26.506	0.241	26.524	0.229	26.548	0.233	26.563	0.229
26.586	0.237	26.607	0.233	26.629	0.233	26.646	0.234
26.662	0.234	26.679	0.246	26.692	0.234	26.710	0.234
26.727	0.242	26.741	0.250	26.756	0.238	26.775	0.246
26.791	0.258	26.810	0.254	26.826	0.246	26.841	0.246
26.861	0.242	26.880	0.222	26.897	0.219	26.912	0.207
26.926	0.199	26.943	0.187	26.960	0.179	26.977	0.175
26.994	0.171	27.012	0.167	27.028	0.163	27.046	0.152
27.062	0.160	27.075	0.152	27.089	0.149	27.104	0.141
27.118	0.145	27.131	0.133	27.144	0.134	27.162	0.138
27.179	0.134	27.196	0.135	27.211	0.155	27.225	0.163
27.241	0.156	27.256	0.156	27.275	0.177	27.293	0.194
27.311	0.202	27.325	0.207	27.341	0.207	27.353	0.268
27.368	0.280	27.386	0.269	27.403	0.274	27.415	0.282
27.435	0.303	27.455	0.312	27.474	0.304	27.492	0.329
27.515	0.345	27.535	0.344	27.564	0.352	27.584	0.364
27.603	0.367	27.621	0.387	27.637	0.395	27.656	0.391
27.682	0.375	27.704	0.350	27.725	0.322	27.747	0.274
27.764	0.241	27.777	0.220	27.794	0.195	27.811	0.194
27.830	0.181	27.848	0.180	27.865	0.163	27.883	0.154
27.897	0.137	27.919	0.124	27.935	0.119	27.951	0.094
27.971	0.101	27.986	0.100	28.001	0.103	28.022	0.095
28.036	0.098	28.056	0.086	28.076	0.073	28.091	0.061
28.111	0.048	28.126	0.039	28.145	0.011	28.164	-0.006
28.185	-0.010	28.210	-0.011	28.228	-0.028	28.243	-0.048
28.260	-0.065	28.286	-0.080	28.309	-0.104	28.333	-0.088
28.357	-0.095	28.379	-0.099	28.400	-0.087	28.420	-0.102

28.436	-0.102	28.454	-0.118	28.478	-0.105	28.499	-0.097
28.520	-0.097	28.538	-0.088	28.556	-0.080	28.575	-0.080
28.592	-0.083	28.613	-0.091	28.635	-0.099	28.662	-0.074
28.681	-0.054	28.698	-0.041	28.719	-0.033	28.739	-0.020
28.768	-0.036	28.784	-0.036	28.805	-0.069	28.829	-0.062
28.853	-0.066	28.874	-0.063	28.896	-0.060	28.913	-0.056
28.935	-0.045	28.950	-0.057	28.970	-0.074	28.989	-0.086
29.010	-0.095	29.028	-0.104	29.046	-0.101	29.067	-0.110
29.085	-0.099	29.100	-0.104	29.123	-0.109	29.142	-0.106
29.157	-0.103	29.176	-0.096	29.190	-0.097	29.209	-0.090
29.231	-0.095	29.253	-0.113	29.273	-0.109	29.291	-0.137
29.309	-0.153	29.325	-0.157	29.340	-0.158	29.354	-0.154
29.375	-0.170	29.394	-0.190	29.415	-0.218	29.432	-0.223
29.448	-0.243	29.464	-0.251	29.480	-0.243	29.500	-0.239
29.521	-0.204	29.538	-0.175	29.556	-0.167	29.573	-0.154
29.591	-0.142	29.608	-0.141	29.627	-0.145	29.647	-0.112
29.666	-0.124	29.683	-0.127	29.699	-0.143	29.719	-0.134
29.737	-0.154	29.746	-0.153	29.760	-0.153	29.774	-0.156
29.789	-0.148	29.805	-0.155	29.823	-0.163	29.842	-0.138
29.862	-0.125	29.886	-0.108	29.912	-0.103	29.931	-0.115
29.949	-0.114	29.973	-0.121	29.990	-0.136	30.008	-0.140
30.027	-0.140	30.044	-0.152	30.062	-0.160	30.081	-0.183
30.098	-0.191	30.119	-0.215	30.140	-0.219	30.155	-0.215
30.173	-0.227	30.194	-0.219	30.212	-0.211	30.230	-0.215
30.243	-0.223	30.268	-0.223	30.289	-0.212	30.308	-0.196
30.325	-0.229	30.339	-0.209	30.355	-0.202	30.373	-0.194
30.386	-0.195	30.404	-0.183	30.423	-0.172	30.440	-0.184
30.455	-0.173	30.472	-0.165	30.492	-0.162	30.515	-0.171
30.534	-0.175	30.552	-0.168	30.571	-0.164	30.587	-0.152
30.603	-0.169	30.621	-0.169	30.642	-0.145	30.660	-0.146
30.681	-0.134	30.701	-0.143	30.716	-0.135	30.736	-0.123
30.753	-0.116	30.770	-0.112	30.791	-0.108	30.811	-0.080
30.831	-0.057	30.850	-0.061	30.868	-0.057	30.891	-0.029
30.910	-0.010	30.930	-0.006	30.947	0.010	30.963	-0.006
30.980	-0.007	30.997	0.005	31.016	0.009	31.033	0.017
31.051	0.018	31.065	0.014	31.078	0.018	31.096	0.010
31.113	0.022	31.131	0.026	31.149	0.030	31.168	0.034
31.182	0.042	31.194	0.074	31.206	0.074	31.222	0.074
31.241	0.074	31.258	0.102	31.282	0.090	31.304	0.106
31.324	0.114	31.340	0.114	31.361	0.122	31.378	0.126
31.401	0.122	31.419	0.122	31.435	0.122	31.453	0.126
31.474	0.118	31.494	0.130	31.514	0.134	31.533	0.126
31.552	0.125	31.569	0.120	31.587	0.107	31.604	0.102
31.623	0.093	31.638	0.080	31.653	0.076	31.672	0.083
31.687	0.078	31.703	0.077	31.722	0.088	31.740	0.099
31.767	0.110	31.782	0.122	31.801	0.129	31.815	0.137
31.830	0.152	31.842	0.168	31.857	0.172	31.871	0.180
31.886	0.193	31.900	0.201	31.915	0.197	31.927	0.217
31.945	0.221	31.964	0.208	31.979	0.224	31.993	0.227
32.008	0.231	32.023	0.230	32.041	0.242	32.057	0.233
32.075	0.216	32.091	0.219	32.105	0.226	32.118	0.226
32.134	0.229	32.151	0.221	32.165	0.217	32.179	0.217
32.191	0.205	32.206	0.197	32.217	0.185	32.232	0.179
32.250	0.165	32.269	0.143	32.270	0.143	32.271	0.143
32.273	0.144	32.274	0.144	32.275	0.144	32.277	0.144
32.283	0.132	32.292	0.117	32.296	0.113	32.302	0.105

32.309	0.101	32.315	0.097	32.322	0.097	32.330	0.093
32.337	0.089	32.343	0.089	32.350	0.085	32.358	0.088
32.367	0.088	32.380	0.096	32.387	0.104	32.398	0.108
32.405	0.112	32.415	0.120	32.425	0.128	32.434	0.136
32.444	0.140	32.455	0.144	32.467	0.140	32.476	0.140
32.487	0.139	32.496	0.131	32.508	0.127	32.521	0.123
32.532	0.123	32.544	0.123	32.555	0.135	32.569	0.135
32.582	0.135	32.591	0.147	32.603	0.139	32.614	0.139
32.627	0.139	32.638	0.135	32.651	0.139	32.663	0.127
32.677	0.119	32.689	0.131	32.699	0.127	32.710	0.123
32.720	0.123	32.731	0.111	32.743	0.119	32.754	0.115
32.769	0.111	32.781	0.111	32.795	0.103	32.806	0.103
32.821	0.107	32.832	0.107	32.844	0.107	32.854	0.107
32.864	0.103	32.874	0.091	32.882	0.099	32.892	0.087
32.901	0.091	32.912	0.079	32.923	0.071	32.932	0.063
32.944	0.063	32.953	0.059	32.960	0.055	32.971	0.055
32.979	0.055	32.992	0.043	33.002	0.047	33.017	0.047
33.034	0.055	33.051	0.055	33.064	0.054	33.082	0.062
33.098	0.070	33.111	0.078	33.123	0.082	33.137	0.077
33.151	0.089	33.165	0.081	33.178	0.093	33.190	0.097
33.202	0.092	33.211	0.096	33.221	0.092	33.229	0.095
33.239	0.087	33.251	0.079	33.263	0.074	33.274	0.070
33.286	0.058	33.296	0.058	33.307	0.053	33.324	0.061
33.335	0.057	33.349	0.060	33.358	0.060	33.370	0.060
33.382	0.056	33.394	0.056	33.406	0.055	33.418	0.047
33.435	0.055	33.446	0.047	33.457	0.039	33.472	0.047
33.489	0.059	33.505	0.071	33.517	0.071	33.534	0.079
33.552	0.079	33.570	0.087	33.585	0.079	33.601	0.072
33.611	0.072	33.624	0.060	33.637	0.056	33.651	0.048
33.665	0.045	33.685	0.037	33.697	0.033	33.716	0.026
33.731	0.018	33.746	0.015	33.757	0.015	33.769	0.003
33.782	-0.004	33.794	-0.004	33.808	-0.011	33.825	-0.011
33.843	-0.011	33.861	-0.007	33.876	-0.007	33.890	-0.006
33.906	-0.006	33.923	-0.010	33.944	-0.018	33.968	-0.022
33.983	-0.030	33.999	-0.038	34.019	-0.046	34.037	-0.046
34.058	-0.047	34.073	-0.047	34.095	-0.059	34.113	-0.059
34.131	-0.059	34.148	-0.059	34.167	-0.054	34.191	-0.050
34.208	-0.046	34.227	-0.046	34.247	-0.042	34.267	-0.042
34.285	-0.046	34.303	-0.046	34.324	-0.046	34.348	-0.057
34.374	-0.061	34.395	-0.069	34.416	-0.081	34.436	-0.089
34.461	-0.101	34.483	-0.105	34.501	-0.105	34.521	-0.105
34.540	-0.105	34.562	-0.105	34.577	-0.105	34.597	-0.097
34.618	-0.089	34.638	-0.089	34.662	-0.089	34.682	-0.089
34.658	-0.089	34.718	-0.089	34.739	-0.089	34.757	-0.085
34.775	-0.077	34.792	-0.077	34.807	-0.081	34.826	-0.085
34.842	-0.081	34.860	-0.081	34.874	-0.081	34.897	-0.085
34.913	-0.085	34.934	-0.081	34.953	-0.078	34.973	-0.074
34.996	-0.070	35.018	-0.066	35.040	-0.070	35.062	-0.071
35.082	-0.071	35.101	-0.067	35.122	-0.071	35.144	-0.076
35.162	-0.092	35.177	-0.104	35.191	-0.116	35.208	-0.116
35.224	-0.124	35.238	-0.133	35.247	-0.129	35.263	-0.129
35.276	-0.121	35.296	-0.117	35.314	-0.113	35.334	-0.109
35.349	-0.105	35.364	-0.101	35.382	-0.105	35.394	-0.097
35.412	-0.097	35.424	-0.093	35.436	-0.093	35.448	-0.093
35.464	-0.089	35.476	-0.093	35.488	-0.085	35.503	-0.089
35.514	-0.085	35.526	-0.089	35.539	-0.085	35.554	-0.089

35.572	-0.093	35.589	-0.085	35.604	-0.081	35.622	-0.081
35.638	-0.081	35.657	-0.073	35.679	-0.069	35.703	-0.065
35.722	-0.061	35.738	-0.061	35.757	-0.057	35.771	-0.053
35.790	-0.054	35.804	-0.054	35.821	-0.046	35.841	-0.050
35.856	-0.042	35.879	-0.046	35.900	-0.059	35.921	-0.067
35.942	-0.067	35.958	-0.071	35.977	-0.068	35.993	-0.072
36.015	-0.068	36.041	-0.068	36.063	-0.053	36.086	-0.053
36.107	-0.049	36.125	-0.049	36.139	-0.038	36.153	-0.038
36.169	-0.034	36.185	-0.038	36.202	-0.042	36.218	-0.050
36.233	-0.058	36.252	-0.066	36.269	-0.070	36.285	-0.075
36.303	-0.091	36.324	-0.095	36.341	-0.095	36.358	-0.099
36.380	-0.099	36.404	-0.095	36.430	-0.079	36.455	-0.067
36.475	-0.059	36.498	-0.039	36.518	-0.027	36.539	-0.011
36.555	-0.007	36.571	-0.003	36.586	-0.007	36.597	-0.003
36.611	0.001	36.628	0.001	36.643	0.005	36.655	0.005
36.673	0.005	36.686	0.005	36.705	0.013	36.720	0.005
36.735	0.017	36.750	0.017	36.763	0.021	36.779	0.021
36.797	0.021	36.817	0.021	36.841	0.029	36.864	0.032
36.883	0.032	36.901	0.040	36.919	0.044	36.937	0.051
36.954	0.047	36.971	0.047	36.989	0.050	37.006	0.054
37.023	0.054	37.043	0.053	37.058	0.061	37.070	0.057
37.090	0.056	37.112	0.060	37.130	0.064	37.150	0.068
37.178	0.076	37.196	0.088	37.220	0.096	37.243	0.112
37.262	0.120	37.282	0.128	37.299	0.140	37.318	0.140
37.332	0.144	37.349	0.144	37.366	0.141	37.382	0.137
37.402	0.137	37.418	0.137	37.438	0.129	37.458	0.121
37.478	0.113	37.496	0.105	37.511	0.101	37.536	0.089
37.555	0.089	37.582	0.080	37.601	0.076	37.621	0.072
37.645	0.072	37.669	0.076	37.688	0.076	37.705	0.092
37.724	0.087	37.748	0.075	37.765	0.071	37.789	0.067
37.804	0.063	37.825	0.059	37.836	0.063	37.856	0.067
37.874	0.066	37.892	0.074	37.910	0.078	37.924	0.082
37.941	0.090	37.956	0.094	37.975	0.094	37.989	0.097
37.995	0.109	38.007	0.117	38.022	0.117	38.034	0.117
38.049	0.120	38.064	0.132	38.076	0.140	38.091	0.148
38.100	0.152	38.113	0.152	38.125	0.156	38.137	0.160
38.151	0.163	38.167	0.163	38.184	0.155	38.200	0.151
38.216	0.151	38.230	0.147	38.244	0.139	38.255	0.139
38.269	0.131	38.287	0.131	38.300	0.131	38.315	0.131
38.329	0.135	38.345	0.131	38.359	0.131	38.376	0.115
38.390	0.107	38.407	0.091	38.423	0.091	38.439	0.071
38.453	0.071	38.469	0.059	38.487	0.059	38.508	0.051
38.525	0.051	38.540	0.051	38.551	0.047	38.565	0.047
38.578	0.043	38.591	0.043	38.607	0.043	38.625	0.047
38.641	0.047	38.662	0.051	38.682	0.055	38.704	0.059
38.723	0.067	38.742	0.071	38.757	0.075	38.774	0.075
38.795	0.079	38.809	0.079	38.819	0.079	38.833	0.079
38.854	0.083	38.876	0.091	38.897	0.099	38.918	0.103
38.933	0.111	38.951	0.123	38.972	0.123	38.994	0.119
39.014	0.111	39.026	0.107	39.041	0.099	39.056	0.091
39.079	0.091	39.092	0.079	39.108	0.075	39.127	0.075
39.145	0.067	39.162	0.063	39.181	0.059	39.197	0.055
39.213	0.055	39.230	0.051	39.246	0.051	39.264	0.051
39.280	0.051	39.299	0.047	39.318	0.047	39.336	0.047
39.354	0.043	39.372	0.035	39.387	0.035	39.404	0.019
39.423	0.015	39.440	0.007	39.456	-0.001	39.475	-0.005

39.497	-0.013	39.515	-0.017	39.535	-0.017	39.555	-0.021
39.575	-0.025	39.594	-0.017	39.618	-0.013	39.643	-0.013
39.664	-0.005	39.688	-0.002	39.714	0.006	39.733	0.018
39.752	0.021	39.768	0.029	39.789	0.040	39.808	0.048
39.829	0.047	39.850	0.055	39.868	0.050	39.890	0.041
39.908	0.040	39.929	0.040	39.949	0.039	39.968	0.030
39.986	0.026	40.003	0.026	40.028	0.025	40.049	0.025
40.071	0.029	40.086	0.033	40.110	0.021	40.126	0.013
40.148	0.013	40.172	0.013	40.196	0.009	40.215	0.005
40.239	-0.006	40.260	-0.014	40.284	-0.018	40.303	-0.026
40.321	-0.038	40.344	-0.046	40.367	-0.053	40.386	-0.057
40.401	-0.069	40.413	-0.069	40.429	-0.069	40.450	-0.069
40.467	-0.073	40.483	-0.084	40.502	-0.084	40.517	-0.084
40.534	-0.084	40.550	-0.084	40.567	-0.084	40.585	-0.084
40.603	-0.084	40.621	-0.100	40.643	-0.108	40.661	-0.108
40.683	-0.112	40.703	-0.125	40.721	-0.129	40.741	-0.130
40.768	-0.139	40.789	-0.147	40.805	-0.152	40.819	-0.168
40.837	-0.169	40.855	-0.173	40.874	-0.185	40.892	-0.185
40.915	-0.193	40.935	-0.201	40.954	-0.209	40.971	-0.213
40.987	-0.221	41.003	-0.233	41.022	-0.237	41.037	-0.245
41.052	-0.253	41.067	-0.261	41.087	-0.265	41.108	-0.265
41.128	-0.257	41.147	-0.245	41.163	-0.225	41.183	-0.209
41.203	-0.197	41.223	-0.189	41.244	-0.177	41.262	-0.177
41.282	-0.169	41.298	-0.161	41.316	-0.161	41.333	-0.161
41.346	-0.153	41.364	-0.149	41.381	-0.145	41.403	-0.141
41.426	-0.137	41.446	-0.133	41.464	-0.129	41.481	-0.121
41.505	-0.125	41.525	-0.121	41.552	-0.121	41.573	-0.114
41.594	-0.098	41.617	-0.090	41.632	-0.083	41.656	-0.075
41.675	-0.068	41.692	-0.072	41.711	-0.061	41.730	-0.061
41.751	-0.054	41.772	-0.050	41.781	-0.047	41.799	-0.043
41.817	-0.036	41.832	-0.032	41.849	-0.020	41.864	-0.016
41.886	-0.012	41.906	-0.004	41.921	0.007	41.946	0.003
41.966	0.007	41.982	0.007	42.003	0.015	42.014	0.023
42.032	0.031	42.044	0.030	42.059	0.030	42.073	0.034
42.089	0.038	42.108	0.042	42.123	0.046	42.134	0.042
42.146	0.045	42.165	0.045	42.180	0.049	42.204	0.049
42.215	0.049	42.232	0.044	42.251	0.052	42.272	0.048
42.288	0.048	42.300	0.044	42.311	0.044	42.323	0.044
42.337	0.044	42.353	0.048	42.365	0.044	42.383	0.040
42.414	0.048	42.427	0.048	42.445	0.036	42.469	0.040
42.489	0.041	42.509	0.041	42.529	0.041	42.552	0.045
42.571	0.045	42.587	0.049	42.607	0.049	42.626	0.041
42.645	0.057	42.660	0.057	42.675	0.053	42.689	0.049
42.705	0.044	42.720	0.048	42.737	0.052	42.751	0.044
42.770	0.048	42.788	0.044	42.803	0.047	42.819	0.051
42.832	0.055	42.850	0.054	42.870	0.061	42.887	0.057
42.902	0.048	42.920	0.048	42.937	0.055	42.953	0.055
42.965	0.066	42.973	0.070	42.983	0.073	42.993	0.081
42.999	0.081	43.010	0.080	43.019	0.084	43.025	0.084
43.033	0.083	43.054	0.087	43.080	0.090	43.111	0.094
43.142	0.098	43.172	0.101	43.203	0.101	43.235	0.108
43.269	0.112	43.300	0.116	43.332	0.124	43.363	0.109
43.391	0.105	43.425	0.097	43.455	0.085	43.489	0.081
43.520	0.073	43.548	0.065	43.581	0.060	43.614	0.064
43.653	0.064	43.683	0.067	43.712	0.083	43.739	0.091
43.769	0.111	43.804	0.115	43.833	0.143	43.869	0.163

43.905	0.171	43.937	0.175	43.970	0.179	44.000	0.184
44.030	0.184	44.060	0.181	44.091	0.169	44.129	0.158
44.161	0.159	44.198	0.148	44.231	0.148	44.264	0.153
44.300	0.145	44.332	0.145	44.370	0.142	44.406	0.134
44.442	0.131	44.475	0.131	44.515	0.131	44.551	0.127
44.589	0.119	44.623	0.111	44.660	0.107	44.695	0.091
44.737	0.063	44.768	0.051	44.808	0.039	44.845	0.031
44.885	0.027	44.925	0.014	44.961	0.018	45.000	0.014
45.041	0.014	45.080	0.006	45.117	-0.002	45.156	-0.011
45.201	-0.019	45.241	-0.019	45.277	-0.035	45.325	-0.043
45.371	-0.043	45.413	-0.044	45.449	-0.036	45.492	-0.036
45.538	-0.044	45.581	-0.056	45.618	-0.069	45.657	-0.089
45.690	-0.105	45.721	-0.110	45.756	-0.126	45.798	-0.126
45.835	-0.126	45.861	-0.117	45.893	-0.121	45.937	-0.129
45.973	-0.133	46.006	-0.133	46.040	-0.125	46.072	-0.125
46.107	-0.112	46.142	-0.104	46.176	-0.096	46.218	-0.084
46.257	-0.084	46.291	-0.076	46.331	-0.065	46.374	-0.061
46.411	-0.069	46.451	-0.066	46.494	-0.082	46.534	-0.090
46.570	-0.095	46.610	-0.095	46.647	-0.092	46.684	-0.096
46.724	-0.097	46.758	-0.101	46.799	-0.098	46.838	-0.099
46.875	-0.104	46.914	-0.112	46.955	-0.121	46.996	-0.133
47.033	-0.145	47.072	-0.158	47.108	-0.150	47.141	-0.142
47.179	-0.125	47.214	-0.113	47.249	-0.101	47.295	-0.085
47.340	-0.077	47.372	-0.065	47.411	-0.053	47.454	-0.045
47.498	-0.037	47.535	-0.025	47.577	-0.025	47.611	-0.021
47.645	-0.013	47.679	-0.009	47.718	0.003	47.757	0.011
47.789	0.015	47.822	0.007	47.854	0.015	47.889	0.019
47.931	0.019	47.969	0.019	48.005	0.018	48.049	0.018
48.089	0.018	48.127	0.018	48.163	0.022	48.204	0.017
48.241	0.017	48.276	0.021	48.304	0.021	48.331	0.029
48.351	0.037	48.370	0.037	48.385	0.041		

IG113
71.040 2/9/71 0600PST L.A. 611 W. SIXTH ST. 42ND FLOOR N38E

2380 POINTS 48.417 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.3985 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.418	0.022	0.354	0.051	0.310	0.087	0.278
0.117	0.253	0.139	0.209	0.159	0.101	0.180	-0.011
0.200	-0.179	0.212	-0.295	0.232	-0.391	0.255	-0.459
0.272	-0.563	0.293	-0.584	0.312	-0.716	0.328	-0.788
0.344	-0.816	0.363	-0.761	0.382	-0.637	0.398	-0.477
0.416	-0.341	0.434	-0.202	0.457	-0.126	0.483	-0.078
0.510	-0.038	0.531	-0.055	0.558	0.037	0.580	0.145
0.599	0.276	0.632	0.404	0.651	0.464	0.681	0.443
0.708	0.463	0.734	0.547	0.761	0.622	0.781	0.554
0.802	0.442	0.817	0.290	0.832	0.166	0.864	0.126
0.896	0.109	0.923	0.161	0.951	0.225	0.973	0.256
1.006	0.248	1.023	0.276	1.048	0.251	1.067	0.315
1.097	0.323	1.124	0.422	1.148	0.466	1.177	0.437
1.197	0.341	1.217	0.237	1.230	0.196	1.245	0.160
1.260	0.068	1.288	0.056	1.318	-0.009	1.345	-0.085
1.371	-0.129	1.399	-0.089	1.429	-0.133	1.458	-0.241
1.476	-0.361	1.498	-0.445	1.516	-0.517	1.552	-0.537
1.577	-0.625	1.602	-0.705	1.625	-0.777	1.653	-0.705
1.677	-0.585	1.707	-0.425	1.736	-0.385	1.766	-0.382
1.790	-0.282	1.813	-0.106	1.839	0.053	1.868	0.201
1.900	0.269	1.932	0.341	1.963	0.420	1.983	0.568
1.998	0.680	2.022	0.812	2.044	0.940	2.066	0.952
2.090	0.924	2.111	0.784	2.129	0.624	2.150	0.440
2.171	0.280	2.197	0.140	2.223	0.044	2.254	0.032
2.280	0.080	2.308	0.156	2.328	0.224	2.345	0.287
2.367	0.319	2.387	0.511	2.408	0.715	2.425	0.787
2.441	0.943	2.459	0.999	2.476	0.962	2.492	0.870
2.514	0.802	2.535	0.662	2.568	0.625	2.599	0.573
2.622	0.521	2.642	0.389	2.664	0.205	2.685	0.029
2.701	-0.135	2.727	-0.235	2.756	-0.288	2.775	-0.404
2.792	-0.608	2.807	-0.856	2.826	-1.108	2.841	-1.344
2.864	-1.584	2.887	-1.784	2.909	-1.872	2.931	-1.792
2.950	-1.708	2.971	-1.512	2.991	-1.248	3.012	-1.044
3.033	-0.856	3.054	-0.672	3.076	-0.564	3.097	-0.420
3.131	-0.268	3.159	-0.068	3.182	0.071	3.215	0.127
3.240	0.227	3.260	0.407	3.287	0.623	3.305	0.783
3.325	0.895	3.348	0.923	3.377	0.866	3.398	0.738
3.414	0.590	3.437	0.446	3.465	0.310	3.485	0.170
3.511	0.062	3.535	-0.126	3.552	-0.234	3.579	-0.286
3.596	-0.386	3.614	-0.386	3.635	-0.482	3.656	-0.506

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
3.676	-0.626	3.702	-0.654	3.722	-0.802	3.750	-0.638
3.777	-0.790	3.809	-0.590	3.838	-0.479	3.861	-0.319
3.890	-0.171	3.926	0.025	3.952	0.137	3.975	0.169
4.007	0.181	4.036	0.257	4.062	0.349	4.096	0.405
4.126	0.462	4.146	0.546	4.166	0.634	4.191	0.699
4.220	0.628	4.245	0.480	4.270	0.337	4.297	0.189
4.318	0.102	4.350	0.043	4.370	-0.073	4.398	-0.152
4.421	-0.244	4.438	-0.271	4.464	-0.227	4.493	-0.218
4.514	-0.205	4.541	-0.301	4.569	-0.428	4.594	-0.496
4.620	-0.627	4.646	-0.691	4.672	-0.814	4.694	-0.934
4.714	-1.001	4.743	-1.013	4.765	-0.965	4.788	-0.996
4.817	-0.988	4.844	-0.867	4.866	-0.711	4.885	-0.578
4.905	-0.482	4.925	-0.326	4.946	-0.210	4.969	-0.173
5.002	-0.193	5.035	-0.260	5.060	-0.324	5.086	-0.444
5.114	-0.587	5.141	-0.667	5.162	-0.687	5.187	-0.626
5.215	-0.518	5.238	-0.386	5.266	-0.298	5.294	-0.149
5.319	-0.033	5.356	0.083	5.389	0.179	5.420	0.272
5.447	0.480	5.466	0.604	5.486	0.640	5.505	0.589
5.526	0.433	5.544	0.249	5.568	0.029	5.581	-0.138
5.595	-0.334	5.608	-0.498	5.629	-0.694	5.641	-0.810
5.654	-1.006	5.666	-1.137	5.691	-1.285	5.712	-1.393
5.736	-1.345	5.755	-1.188	5.767	-1.004	5.784	-0.812
5.805	-0.676	5.825	-0.488	5.849	-0.332	5.873	-0.175
5.893	-0.035	5.921	0.065	5.952	0.145	5.988	0.214
6.009	0.266	6.031	0.350	6.057	0.535	6.078	0.763
6.105	0.883	6.128	0.951	6.154	0.923	6.164	0.896
6.180	0.888	6.200	0.740	6.222	0.576	6.244	0.413
6.261	0.325	6.278	0.201	6.306	0.141	6.322	0.073
6.338	-0.015	6.366	-0.059	6.391	-0.074	6.416	0.010
6.449	0.214	6.471	0.414	6.496	0.598	6.522	0.798
6.551	0.962	6.582	1.066	6.612	1.130	6.633	1.107
6.659	0.999	6.685	0.863	6.712	0.743	6.733	0.587
6.763	0.455	6.784	0.320	6.809	0.246	6.833	0.184
6.868	0.172	6.911	0.127	6.954	0.059	6.977	0.043
7.002	0.038	7.036	0.122	7.063	0.262	7.087	0.342
7.104	0.474	7.131	0.545	7.153	0.685	7.183	0.749
7.212	0.785	7.233	0.781	7.256	0.729	7.285	0.586
7.313	0.474	7.345	0.370	7.375	0.319	7.408	0.291
7.433	0.284	7.466	0.300	7.494	0.344	7.525	0.413
7.551	0.509	7.577	0.533	7.601	0.577	7.634	0.562

7.672	0.586	7.702	0.602	7.728	0.678	7.761	0.674
7.807	0.686	7.837	0.678	7.873	0.618	7.907	0.507
7.937	0.379	7.967	0.323	8.001	0.284	8.037	0.220
8.072	0.132	8.108	0.105	8.130	0.093	8.159	0.109
8.201	0.130	8.237	0.146	8.269	0.202	8.296	0.274
8.324	0.369	8.355	0.409	8.383	0.441	8.409	0.449
8.437	0.413	8.473	0.349	8.512	0.285	8.553	0.212
8.590	0.136	8.627	0.040	8.667	-0.023	8.711	-0.087
8.755	-0.146	8.798	-0.238	8.842	-0.357	8.876	-0.463
8.910	-0.602	8.945	-0.729	8.983	-0.824	9.018	-0.875
9.045	-0.822	9.068	-0.665	9.092	-0.500	9.119	-0.376
9.152	-0.235	9.185	-0.131	9.220	-0.047	9.249	-0.007
9.291	-0.031	9.334	-0.063	9.374	-0.063	9.407	-0.075
9.448	-0.123	9.490	-0.191	9.525	-0.287	9.549	-0.406
9.514	-0.582	9.599	-0.782	9.621	-0.982	9.646	-1.065
9.665	-1.097	9.686	-1.061	9.716	-0.925	9.742	-0.776
9.767	-0.672	9.789	-0.588	9.821	-0.424	9.850	-0.311
9.877	-0.275	9.904	-0.315	9.934	-0.431	9.964	-0.530
9.995	-0.630	10.024	-0.658	10.056	-0.634	10.089	-0.545
10.122	-0.473	10.162	-0.385	10.198	-0.257	10.238	-0.113
10.268	-0.016	10.307	0.036	10.354	0.012	10.390	-0.096
10.423	-0.200	10.454	-0.292	10.483	-0.405	10.523	-0.589
10.549	-0.701	10.578	-0.765	10.601	-0.777	10.626	-0.757
10.647	-0.725	10.666	-0.725	10.688	-0.729	10.709	-0.758
10.728	-0.778	10.747	-0.774	10.762	-0.774	10.779	-0.770
10.794	-0.758	10.808	-0.766	10.815	-0.762	10.826	-0.770
10.835	-0.762	10.842	-0.762	10.851	-0.762	10.860	-0.775
10.866	-0.783	10.875	-0.795	10.883	-0.811	10.895	-0.815
10.904	-0.827	10.911	-0.835	10.922	-0.831	10.931	-0.827
10.940	-0.823	10.947	-0.823	10.958	-0.811	10.965	-0.795
10.972	-0.783	10.980	-0.775	10.989	-0.760	10.996	-0.756
11.004	-0.740	11.010	-0.728	11.016	-0.724	11.023	-0.716
11.029	-0.704	11.035	-0.696	11.041	-0.685	11.048	-0.665
11.055	-0.661	11.062	-0.649	11.068	-0.637	11.075	-0.629
11.080	-0.629	11.087	-0.617	11.091	-0.610	11.096	-0.606
11.101	-0.602	11.107	-0.594	11.111	-0.586	11.116	-0.570
11.121	-0.562	11.130	-0.562	11.137	-0.530	11.144	-0.507
11.150	-0.507	11.158	-0.495	11.164	-0.487	11.170	-0.483
11.177	-0.475	11.188	-0.451	11.197	-0.436	11.206	-0.416
11.213	-0.404	11.223	-0.396	11.232	-0.384	11.240	-0.376
11.252	-0.361	11.265	-0.345	11.275	-0.337	11.285	-0.317
11.298	-0.297	11.310	-0.277	11.324	-0.246	11.337	-0.238
11.346	-0.210	11.357	-0.210	11.366	-0.198	11.375	-0.190
11.383	-0.178	11.391	-0.166	11.398	-0.158	11.406	-0.142
11.414	-0.142	11.424	-0.130	11.431	-0.118	11.440	-0.118
11.447	-0.110	11.457	-0.115	11.466	-0.115	11.475	-0.119
11.485	-0.107	11.493	-0.111	11.501	-0.111	11.511	-0.111
11.524	-0.115	11.536	-0.107	11.546	-0.111	11.556	-0.103
11.568	-0.107	11.581	-0.099	11.591	-0.099	11.599	-0.103
11.609	-0.091	11.618	-0.095	11.630	-0.087	11.640	-0.075
11.650	-0.071	11.660	-0.079	11.670	-0.074	11.682	-0.066
11.691	-0.062	11.700	-0.046	11.710	-0.014	11.722	-0.002
11.730	0.022	11.737	0.030	11.749	0.054	11.756	0.066
11.769	0.082	11.777	0.078	11.786	0.098	11.794	0.098
11.803	0.106	11.812	0.122	11.822	0.122	11.832	0.122
11.841	0.125	11.852	0.129	11.864	0.125	11.872	0.125

11.880	0.125	11.888	0.121	11.898	0.113	11.908	0.105
11.918	0.101	11.928	0.085	11.936	0.081	11.945	0.061
11.951	0.045	11.960	0.032	11.969	0.024	11.975	0.012
11.984	0.008	11.996	0.012	12.003	0.012	12.012	0.008
12.024	0.024	12.033	0.024	12.039	0.064	12.048	0.068
12.057	0.084	12.063	0.091	12.071	0.111	12.080	0.119
12.089	0.139	12.098	0.139	12.105	0.151	12.114	0.151
12.125	0.151	12.135	0.163	12.147	0.162	12.159	0.182
12.170	0.198	12.183	0.194	12.194	0.194	12.205	0.206
12.214	0.213	12.223	0.221	12.232	0.221	12.241	0.229
12.250	0.237	12.259	0.253	12.268	0.249	12.278	0.269
12.288	0.277	12.303	0.289	12.315	0.293	12.330	0.308
12.339	0.332	12.351	0.340	12.360	0.344	12.372	0.356
12.381	0.388	12.392	0.416	12.402	0.432	12.413	0.468
12.423	0.496	12.432	0.508	12.440	0.524	12.450	0.560
12.462	0.572	12.472	0.588	12.477	0.608	12.486	0.636
12.495	0.672	12.504	0.708	12.513	0.716	12.519	0.728
12.527	0.752	12.534	0.796	12.543	0.804	12.549	0.816
12.557	0.816	12.564	0.848	12.573	0.860	12.583	0.892
12.590	0.896	12.598	0.920	12.608	0.932	12.617	0.948
12.630	0.948	12.641	0.940	12.652	0.924	12.662	0.912
12.671	0.892	12.680	0.868	12.689	0.840	12.698	0.808
12.708	0.776	12.716	0.760	12.726	0.752	12.738	0.752
12.750	0.744	12.767	0.760	12.780	0.764	12.789	0.768
12.801	0.808	12.813	0.819	12.825	0.827	12.833	0.855
12.841	0.859	12.848	0.859	12.858	0.863	12.866	0.867
12.872	0.867	12.880	0.883	12.888	0.899	12.895	0.923
12.901	0.927	12.912	0.967	12.920	0.979	12.929	0.991
12.938	1.022	12.947	1.042	12.955	1.066	12.962	1.090
12.972	1.102	12.981	1.102	12.989	1.110	12.998	1.106
13.008	1.094	13.015	1.098	13.027	1.090	13.035	1.086
13.044	1.086	13.053	1.086	13.062	1.086	13.071	1.090
13.077	1.086	13.087	1.082	13.096	1.082	13.107	1.074
13.115	1.074	13.129	1.031	13.141	1.019	13.149	0.995
13.162	0.951	13.171	0.911	13.185	0.871	13.198	0.823
13.210	0.755	13.222	0.703	13.234	0.655	13.243	0.619
13.255	0.567	13.264	0.563	13.277	0.531	13.291	0.512
13.304	0.500	13.313	0.488	13.329	0.469	13.343	0.461
13.358	0.462	13.370	0.442	13.389	0.403	13.407	0.367
13.427	0.344	13.449	0.300	13.465	0.297	13.483	0.285
13.495	0.286	13.510	0.282	13.521	0.294	13.536	0.291
13.555	0.275	13.570	0.287	13.582	0.272	13.598	0.276
13.610	0.256	13.619	0.268	13.631	0.277	13.641	0.277
13.655	0.281	13.663	0.289	13.678	0.274	13.696	0.286
13.708	0.290	13.720	0.295	13.731	0.291	13.745	0.287
13.757	0.295	13.768	0.307	13.781	0.307	13.794	0.319
13.807	0.331	13.818	0.323	13.832	0.343	13.845	0.364
13.857	0.376	13.870	0.400	13.880	0.424	13.891	0.436
13.902	0.456	13.911	0.472	13.921	0.500	13.930	0.500
13.942	0.528	13.951	0.548	13.961	0.552	13.970	0.568
13.981	0.571	13.993	0.595	14.004	0.595	14.017	0.615
14.030	0.639	14.044	0.647	14.065	0.647	14.077	0.643
14.094	0.623	14.108	0.607	14.125	0.566	14.143	0.498
14.156	0.446	14.171	0.358	14.190	0.334	14.205	0.294
14.218	0.278	14.232	0.254	14.255	0.234	14.279	0.218
14.304	0.198	14.323	0.202	14.341	0.202	14.365	0.173

14.386	0.153	14.400	0.153	14.415	0.149	14.432	0.153
14.449	0.149	14.467	0.149	14.490	0.149	14.513	0.117
14.533	0.117	14.553	0.109	14.568	0.097	14.586	0.093
14.605	0.073	14.620	0.061	14.628	0.061	14.639	0.061
14.654	0.049	14.670	0.033	14.680	0.009	14.694	-0.003
14.707	-0.035	14.720	-0.051	14.733	-0.075	14.743	-0.087
14.753	-0.115	14.772	-0.160	14.791	-0.200	14.811	-0.269
14.833	-0.309	14.845	-0.354	14.857	-0.378	14.871	-0.406
14.887	-0.447	14.904	-0.495	14.917	-0.519	14.930	-0.556
14.949	-0.596	14.966	-0.633	14.980	-0.661	14.995	-0.693
15.006	-0.733	15.020	-0.762	15.035	-0.766	15.050	-0.774
15.064	-0.790	15.077	-0.795	15.089	-0.783	15.098	-0.775
15.109	-0.759	15.120	-0.747	15.127	-0.711	15.132	-0.671
15.141	-0.636	15.146	-0.612	15.160	-0.588	15.176	-0.524
15.188	-0.476	15.200	-0.437	15.215	-0.405	15.228	-0.357
15.240	-0.321	15.252	-0.277	15.263	-0.236	15.270	-0.212
15.284	-0.176	15.294	-0.152	15.304	-0.116	15.317	-0.088
15.327	-0.100	15.336	-0.096	15.351	-0.095	15.361	-0.099
15.376	-0.107	15.390	-0.119	15.402	-0.147	15.412	-0.163
15.424	-0.175	15.442	-0.182	15.456	-0.198	15.468	-0.214
15.482	-0.218	15.496	-0.230	15.510	-0.234	15.527	-0.246
15.541	-0.258	15.553	-0.282	15.566	-0.306	15.583	-0.326
15.596	-0.346	15.613	-0.378	15.632	-0.437	15.648	-0.485
15.665	-0.529	15.680	-0.565	15.694	-0.613	15.708	-0.637
15.723	-0.673	15.739	-0.689	15.756	-0.681	15.770	-0.673
15.779	-0.665	15.792	-0.661	15.802	-0.653	15.815	-0.649
15.828	-0.633	15.841	-0.649	15.861	-0.637	15.874	-0.633
15.887	-0.622	15.899	-0.614	15.912	-0.610	15.924	-0.586
15.937	-0.578	15.949	-0.582	15.964	-0.586	15.980	-0.594
15.992	-0.586	16.006	-0.594	16.016	-0.610	16.030	-0.626
16.045	-0.646	16.058	-0.654	16.070	-0.654	16.082	-0.658
16.097	-0.653	16.109	-0.645	16.119	-0.637	16.134	-0.629
16.148	-0.633	16.164	-0.633	16.179	-0.637	16.191	-0.653
16.201	-0.665	16.212	-0.677	16.233	-0.713	16.244	-0.769
16.257	-0.769	16.272	-0.765	16.286	-0.769	16.302	-0.761
16.317	-0.753	16.334	-0.749	16.348	-0.733	16.360	-0.712
16.379	-0.668	16.391	-0.652	16.403	-0.628	16.417	-0.592
16.430	-0.560	16.439	-0.548	16.452	-0.520	16.470	-0.472
16.488	-0.416	16.506	-0.384	16.520	-0.360	16.533	-0.344
16.551	-0.328	16.567	-0.336	16.582	-0.320	16.602	-0.321
16.618	-0.317	16.636	-0.313	16.654	-0.289	16.668	-0.269
16.683	-0.261	16.704	-0.265	16.721	-0.250	16.738	-0.262
16.757	-0.222	16.775	-0.230	16.790	-0.246	16.813	-0.283
16.827	-0.299	16.841	-0.315	16.860	-0.315	16.873	-0.320
16.892	-0.328	16.907	-0.328	16.914	-0.328	16.923	-0.328
16.941	-0.329	16.956	-0.329	16.965	-0.325	16.979	-0.325
16.993	-0.314	17.009	-0.310	17.022	-0.302	17.033	-0.302
17.049	-0.310	17.060	-0.294	17.077	-0.286	17.092	-0.302
17.106	-0.310	17.121	-0.306	17.135	-0.326	17.147	-0.330
17.160	-0.330	17.176	-0.330	17.194	-0.310	17.206	-0.302
17.222	-0.282	17.239	-0.278	17.255	-0.278	17.270	-0.250
17.285	-0.254	17.297	-0.254	17.319	-0.245	17.333	-0.249
17.344	-0.245	17.360	-0.225	17.372	-0.233	17.386	-0.233
17.399	-0.237	17.415	-0.249	17.434	-0.253	17.450	-0.252
17.464	-0.228	17.482	-0.208	17.493	-0.196	17.503	-0.196
17.515	-0.180	17.532	-0.173	17.551	-0.173	17.574	-0.157

17.588	-0.150	17.601	-0.158	17.619	-0.150	17.634	-0.126
17.647	-0.119	17.659	-0.139	17.670	-0.119	17.684	-0.115
17.701	-0.095	17.715	-0.104	17.727	-0.096	17.744	-0.080
17.764	-0.069	17.786	-0.053	17.801	-0.009	17.815	0.015
17.829	0.030	17.844	0.038	17.857	0.066	17.870	0.078
17.885	0.093	17.899	0.117	17.916	0.117	17.935	0.117
17.958	0.164	17.982	0.196	17.997	0.192	18.020	0.204
18.043	0.261	18.061	0.285	18.084	0.325	18.105	0.369
18.123	0.397	18.142	0.441	18.156	0.481	18.173	0.518
18.189	0.538	18.209	0.546	18.224	0.546	18.245	0.546
18.264	0.554	18.283	0.558	18.299	0.554	18.314	0.530
18.327	0.510	18.346	0.490	18.359	0.454	18.371	0.410
18.383	0.382	18.397	0.350	18.413	0.302	18.431	0.310
18.446	0.274	18.464	0.262	18.477	0.250	18.493	0.233
18.509	0.213	18.523	0.197	18.541	0.168	18.558	0.172
18.568	0.176	18.583	0.164	18.598	0.168	18.609	0.171
18.621	0.187	18.636	0.191	18.648	0.195	18.663	0.202
18.678	0.222	18.690	0.250	18.702	0.274	18.720	0.334
18.744	0.382	18.764	0.418	18.788	0.506	18.809	0.554
18.831	0.614	18.854	0.677	18.888	0.741	18.905	0.777
18.920	0.833	18.938	0.857	18.956	0.889	18.970	0.901
18.989	0.905	19.006	0.921	19.023	0.909	19.041	0.897
19.061	0.873	19.076	0.873	19.095	0.849	19.109	0.825
19.120	0.801	19.134	0.781	19.152	0.757	19.167	0.730
19.185	0.714	19.203	0.706	19.221	0.710	19.236	0.714
19.251	0.702	19.270	0.658	19.288	0.710	19.304	0.714
19.324	0.706	19.350	0.730	19.377	0.682	19.399	0.650
19.420	0.630	19.441	0.555	19.451	0.555	19.464	0.547
19.482	0.527	19.495	0.511	19.514	0.487	19.539	0.467
19.559	0.463	19.580	0.436	19.602	0.408	19.626	0.388
19.653	0.361	19.681	0.357	19.704	0.349	19.733	0.321
19.749	0.310	19.766	0.286	19.781	0.282	19.800	0.290
19.816	0.279	19.836	0.267	19.857	0.263	19.883	0.264
19.899	0.252	19.916	0.244	19.931	0.248	19.955	0.233
19.975	0.213	19.996	0.205	20.014	0.230	20.026	0.230
20.041	0.222	20.062	0.210	20.083	0.187	20.099	0.167
20.116	0.151	20.131	0.143	20.154	0.107	20.172	0.084
20.191	0.032	20.212	0.016	20.229	0.008	20.248	0.005
20.265	-0.011	20.280	-0.043	20.301	-0.039	20.319	-0.043
20.339	-0.043	20.349	-0.043	20.370	-0.039	20.390	-0.027
20.408	-0.035	20.428	-0.058	20.447	-0.058	20.464	-0.050
20.483	-0.026	20.496	-0.050	20.507	-0.050	20.521	-0.042
20.530	-0.030	20.545	-0.054	20.556	-0.066	20.563	-0.058
20.575	-0.038	20.590	-0.030	20.610	0.006	20.626	0.018
20.638	0.030	20.653	0.058	20.670	0.078	20.685	0.118
20.698	0.126	20.711	0.126	20.728	0.162	20.741	0.162
20.757	0.182	20.771	0.178	20.790	0.162	20.811	0.178
20.828	0.138	20.843	0.138	20.873	0.106	20.896	0.066
20.907	0.058	20.929	0.042	20.948	0.026	20.964	0.002
20.983	-0.026	21.001	-0.062	21.023	-0.101	21.048	-0.133
21.070	-0.189	21.093	-0.248	21.116	-0.284	21.130	-0.295
21.148	-0.319	21.166	-0.330	21.188	-0.325	21.213	-0.368
21.236	-0.372	21.257	-0.375	21.278	-0.390	21.298	-0.366
21.315	-0.369	21.341	-0.352	21.354	-0.328	21.372	-0.343
21.406	-0.317	21.408	-0.337	21.416	-0.337	21.422	-0.329
21.428	-0.340	21.434	-0.336	21.443	-0.340	21.458	-0.339

21.470	-0.323	21.482	-0.331	21.494	-0.311	21.507	-0.290
21.523	-0.282	21.537	-0.282	21.551	-0.281	21.563	-0.261
21.573	-0.273	21.590	-0.264	21.600	-0.276	21.610	-0.276
21.619	-0.264	21.631	-0.269	21.641	-0.273	21.656	-0.266
21.674	-0.266	21.685	-0.267	21.695	-0.275	21.707	-0.264
21.719	-0.252	21.733	-0.253	21.745	-0.253	21.757	-0.250
21.767	-0.246	21.781	-0.247	21.793	-0.251	21.799	-0.247
21.809	-0.247	21.818	-0.248	21.832	-0.240	21.842	-0.228
21.856	-0.228	21.865	-0.225	21.878	-0.213	21.892	-0.217
21.910	-0.242	21.925	-0.242	21.940	-0.266	21.955	-0.275
21.973	-0.311	21.988	-0.331	22.006	-0.348	22.016	-0.364
22.027	-0.372	22.041	-0.384	22.055	-0.392	22.069	-0.396
22.087	-0.424	22.100	-0.420	22.112	-0.424	22.127	-0.444
22.142	-0.468	22.158	-0.452	22.178	-0.476	22.196	-0.500
22.214	-0.516	22.228	-0.532	22.240	-0.544	22.254	-0.564
22.268	-0.592	22.280	-0.600	22.295	-0.604	22.309	-0.620
22.318	-0.624	22.331	-0.640	22.343	-0.653	22.358	-0.669
22.379	-0.681	22.394	-0.689	22.403	-0.678	22.417	-0.670
22.430	-0.654	22.444	-0.662	22.460	-0.679	22.475	-0.639
22.486	-0.623	22.501	-0.599	22.517	-0.576	22.529	-0.540
22.540	-0.520	22.549	-0.496	22.561	-0.504	22.572	-0.492
22.585	-0.491	22.596	-0.479	22.607	-0.467	22.618	-0.463
22.630	-0.479	22.644	-0.471	22.655	-0.463	22.665	-0.471
22.679	-0.475	22.691	-0.471	22.706	-0.486	22.722	-0.506
22.739	-0.518	22.751	-0.554	22.766	-0.574	22.777	-0.594
22.790	-0.598	22.804	-0.622	22.817	-0.630	22.831	-0.641
22.848	-0.649	22.863	-0.629	22.878	-0.609	22.891	-0.605
22.905	-0.581	22.917	-0.565	22.929	-0.545	22.941	-0.516
22.955	-0.512	22.967	-0.492	22.982	-0.476	22.995	-0.460
23.009	-0.424	23.021	-0.412	23.035	-0.380	23.047	-0.369
23.063	-0.369	23.077	-0.349	23.094	-0.322	23.109	-0.334
23.125	-0.319	23.139	-0.323	23.156	-0.319	23.169	-0.312
23.185	-0.316	23.198	-0.304	23.213	-0.301	23.231	-0.285
23.246	-0.282	23.258	-0.290	23.271	-0.258	23.281	-0.258
23.289	-0.234	23.304	-0.203	23.316	-0.215	23.331	-0.195
23.347	-0.195	23.361	-0.171	23.376	-0.167	23.388	-0.159
23.403	-0.151	23.418	-0.144	23.433	-0.140	23.447	-0.140
23.461	-0.132	23.476	-0.136	23.489	-0.128	23.508	-0.108
23.523	-0.131	23.541	-0.123	23.557	-0.130	23.569	-0.130
23.586	-0.134	23.602	-0.121	23.618	-0.105	23.630	-0.105
23.642	-0.088	23.654	-0.104	23.668	-0.092	23.681	-0.071
23.691	-0.071	23.701	-0.063	23.717	-0.042	23.730	-0.050
23.743	-0.050	23.761	-0.046	23.774	-0.033	23.788	-0.029
23.797	-0.017	23.812	0.007	23.826	-0.012	23.849	0.004
23.868	-0.008	23.886	0.001	23.903	0.009	23.922	0.021
23.940	0.017	23.962	0.038	23.976	0.050	23.991	0.066
24.006	0.090	24.021	0.090	24.031	0.102	24.045	0.133
24.059	0.169	24.072	0.173	24.090	0.185	24.107	0.213
24.120	0.241	24.135	0.253	24.147	0.277	24.161	0.296
24.177	0.336	24.186	0.360	24.195	0.384	24.210	0.396
24.221	0.424	24.236	0.460	24.246	0.488	24.258	0.500
24.271	0.500	24.284	0.499	24.301	0.515	24.314	0.523
24.329	0.543	24.342	0.555	24.354	0.559	24.366	0.575
24.380	0.579	24.393	0.567	24.405	0.538	24.418	0.554
24.430	0.550	24.442	0.538	24.460	0.522	24.468	0.518
24.478	0.510	24.486	0.466	24.499	0.462	24.511	0.434

24.525	0.405	24.539	0.377	24.555	0.349	24.570	0.333
24.582	0.341	24.597	0.333	24.611	0.333	24.628	0.325
24.642	0.329	24.656	0.336	24.673	0.336	24.690	0.332
24.706	0.336	24.720	0.348	24.744	0.340	24.758	0.340
24.772	0.336	24.790	0.368	24.808	0.352	24.829	0.360
24.843	0.336	24.861	0.324	24.877	0.296	24.893	0.296
24.911	0.288	24.927	0.272	24.949	0.268	24.967	0.248
24.989	0.244	25.007	0.236	25.022	0.248	25.036	0.241
25.051	0.241	25.064	0.245	25.079	0.249	25.104	0.277
25.121	0.290	25.135	0.314	25.145	0.330	25.162	0.334
25.178	0.362	25.191	0.374	25.203	0.383	25.221	0.387
25.236	0.387	25.248	0.415	25.259	0.423	25.274	0.431
25.288	0.451	25.303	0.462	25.320	0.478	25.334	0.502
25.349	0.506	25.363	0.514	25.378	0.518	25.392	0.526
25.410	0.557	25.425	0.545	25.443	0.565	25.460	0.585
25.477	0.569	25.491	0.553	25.504	0.537	25.519	0.525
25.534	0.512	25.548	0.512	25.564	0.500	25.581	0.464
25.594	0.424	25.612	0.416	25.630	0.396	25.645	0.387
25.661	0.383	25.678	0.363	25.699	0.355	25.717	0.343
25.736	0.323	25.756	0.347	25.768	0.336	25.786	0.344
25.806	0.352	25.822	0.356	25.840	0.376	25.857	0.401
25.876	0.401	25.898	0.393	25.913	0.421	25.929	0.437
25.940	0.454	25.955	0.458	25.976	0.450	25.991	0.450
26.012	0.462	26.032	0.462	26.049	0.446	26.066	0.438
26.087	0.429	26.105	0.405	26.122	0.381	26.149	0.329
26.162	0.293	26.187	0.289	26.202	0.273	26.216	0.265
26.232	0.245	26.249	0.240	26.263	0.220	26.280	0.199
26.298	0.186	26.317	0.178	26.333	0.169	26.348	0.169
26.364	0.164	26.379	0.148	26.402	0.151	26.420	0.130
26.433	0.138	26.445	0.133	26.461	0.121	26.471	0.132
26.485	0.128	26.501	0.127	26.522	0.111	26.539	0.114
26.552	0.126	26.566	0.141	26.578	0.121	26.596	0.136
26.612	0.132	26.630	0.123	26.644	0.139	26.662	0.138
26.685	0.121	26.702	0.105	26.720	0.108	26.739	0.096
26.760	0.104	26.783	0.104	26.808	0.088	26.829	0.084
26.850	0.040	26.871	0.060	26.892	0.036	26.906	0.024
26.927	0.016	26.944	0.004	26.959	0.008	26.976	-0.016
26.997	-0.024	27.012	-0.040	27.028	-0.063	27.043	-0.063
27.061	-0.091	27.076	-0.111	27.090	-0.114	27.102	-0.122
27.123	-0.110	27.141	-0.134	27.156	-0.117	27.174	-0.137
27.186	-0.125	27.202	-0.129	27.217	-0.148	27.234	-0.188
27.251	-0.208	27.268	-0.220	27.283	-0.228	27.297	-0.268
27.316	-0.256	27.337	-0.271	27.360	-0.291	27.376	-0.315
27.397	-0.315	27.415	-0.335	27.436	-0.331	27.453	-0.326
27.471	-0.322	27.488	-0.302	27.507	-0.298	27.524	-0.282
27.539	-0.262	27.560	-0.275	27.575	-0.259	27.590	-0.255
27.602	-0.268	27.617	-0.260	27.638	-0.253	27.655	-0.229
27.673	-0.225	27.689	-0.242	27.707	-0.246	27.729	-0.267
27.750	-0.251	27.769	-0.263	27.787	-0.248	27.810	-0.265
27.833	-0.301	27.857	-0.278	27.879	-0.327	27.901	-0.364
27.929	-0.401	27.956	-0.429	27.977	-0.418	27.992	-0.398
28.010	-0.414	28.025	-0.431	28.047	-0.399	28.067	-0.396
28.093	-0.384	28.115	-0.380	28.137	-0.377	28.155	-0.353
28.175	-0.337	28.196	-0.350	28.219	-0.318	28.252	-0.358
28.278	-0.358	28.299	-0.383	28.321	-0.375	28.347	-0.347
28.375	-0.343	28.398	-0.351	28.424	-0.347	28.440	-0.340

28.455	-0.344	28.472	-0.332	28.500	-0.291	28.522	-0.235
28.558	-0.237	28.591	-0.248	28.615	-0.259	28.642	-0.262
28.673	-0.265	28.703	-0.236	28.732	-0.227	28.759	-0.230
28.787	-0.245	28.813	-0.256	28.840	-0.210	28.863	-0.217
28.886	-0.200	28.916	-0.219	28.941	-0.250	28.965	-0.257
28.988	-0.240	29.009	-0.232	29.030	-0.248	29.055	-0.256
29.073	-0.272	29.089	-0.264	29.107	-0.280	29.123	-0.300
29.143	-0.288	29.166	-0.288	29.183	-0.284	29.200	-0.256
29.222	-0.228	29.243	-0.208	29.261	-0.208	29.288	-0.196
29.307	-0.188	29.327	-0.188	29.345	-0.204	29.363	-0.208
29.378	-0.208	29.399	-0.192	29.414	-0.196	29.432	-0.180
29.450	-0.184	29.468	-0.208	29.489	-0.200	29.503	-0.192
29.519	-0.204	29.540	-0.232	29.562	-0.280	29.582	-0.308
29.600	-0.324	29.617	-0.344	29.643	-0.348	29.663	-0.332
29.682	-0.343	29.703	-0.327	29.723	-0.319	29.739	-0.319
29.762	-0.319	29.787	-0.311	29.803	-0.311	29.821	-0.304
29.840	-0.300	29.856	-0.297	29.874	-0.281	29.890	-0.266
29.906	-0.266	29.925	-0.259	29.943	-0.244	29.959	-0.220
29.979	-0.201	29.997	-0.205	30.010	-0.198	30.038	-0.187
30.055	-0.187	30.075	-0.176	30.088	-0.160	30.100	-0.152
30.109	-0.140	30.122	-0.137	30.135	-0.141	30.148	-0.129
30.158	-0.113	30.173	-0.098	30.191	-0.102	30.210	-0.087
30.225	-0.067	30.241	-0.039	30.256	-0.020	30.271	-0.008
30.289	0.020	30.305	0.061	30.325	0.081	30.344	0.098
30.360	0.110	30.382	0.127	30.396	0.159	30.411	0.180
30.427	0.192	30.448	0.201	30.460	0.245	30.478	0.230
30.489	0.258	30.507	0.263	30.522	0.259	30.540	0.260
30.557	0.248	30.575	0.249	30.594	0.233	30.614	0.229
30.632	0.229	30.651	0.229	30.674	0.253	30.692	0.273
30.710	0.265	30.727	0.273	30.741	0.277	30.757	0.282
30.777	0.298	30.789	0.286	30.804	0.302	30.818	0.310
30.832	0.305	30.843	0.321	30.855	0.337	30.866	0.333
30.881	0.341	30.893	0.341	30.903	0.341	30.913	0.349
30.926	0.349	30.937	0.352	30.949	0.352	30.961	0.364
30.974	0.356	30.989	0.360	31.000	0.376	31.015	0.380
31.029	0.377	31.038	0.373	31.054	0.381	31.067	0.370
31.084	0.366	31.098	0.347	31.114	0.347	31.127	0.344
31.144	0.336	31.160	0.324	31.179	0.309	31.193	0.293
31.204	0.290	31.217	0.282	31.229	0.266	31.243	0.243
31.253	0.231	31.269	0.231	31.278	0.235	31.292	0.239
31.301	0.252	31.314	0.268	31.324	0.292	31.334	0.280
31.346	0.296	31.358	0.297	31.366	0.317	31.376	0.317
31.386	0.337	31.396	0.337	31.406	0.349	31.416	0.361
31.426	0.382	31.437	0.414	31.453	0.410	31.466	0.434
31.480	0.454	31.494	0.455	31.502	0.459	31.516	0.467
31.533	0.454	31.546	0.462	31.561	0.454	31.576	0.442
31.594	0.434	31.612	0.414	31.628	0.402	31.649	0.381
31.667	0.361	31.686	0.345	31.701	0.353	31.716	0.352
31.732	0.340	31.751	0.348	31.766	0.344	31.778	0.339
31.790	0.347	31.808	0.359	31.821	0.351	31.837	0.366
31.853	0.370	31.867	0.354	31.883	0.349	31.896	0.333
31.911	0.329	31.924	0.329	31.939	0.317	31.950	0.329
31.962	0.325	31.974	0.313	31.990	0.305	32.003	0.313
32.016	0.309	32.026	0.309	32.039	0.313	32.046	0.317
32.058	0.305	32.066	0.306	32.081	0.302	32.091	0.314
32.103	0.302	32.114	0.290	32.131	0.291	32.144	0.291

32.154	0.284	32.170	0.289	32.187	0.277	32.203	0.270
32.217	0.295	32.228	0.288	32.238	0.288	32.250	0.285
32.261	0.273	32.275	0.262	32.291	0.255	32.306	0.255
32.327	0.244	32.353	0.245	32.378	0.230	32.401	0.223
32.428	0.204	32.456	0.188	32.484	0.181	32.521	0.187
32.550	0.196	32.582	0.189	32.613	0.193	32.645	0.209
32.677	0.225	32.713	0.249	32.749	0.273	32.778	0.281
32.811	0.281	32.841	0.277	32.873	0.269	32.906	0.272
32.936	0.276	32.968	0.280	32.997	0.275	33.033	0.271
33.069	0.259	33.099	0.254	33.129	0.238	33.156	0.222
33.187	0.206	33.210	0.194	33.233	0.165	33.262	0.145
33.290	0.125	33.322	0.097	33.347	0.077	33.376	0.053
33.409	0.029	33.435	0.006	33.464	-0.006	33.496	-0.022
33.529	-0.062	33.556	-0.101	33.587	-0.141	33.618	-0.173
33.647	-0.205	33.684	-0.225	33.723	-0.245	33.759	-0.245
33.789	-0.237	33.818	-0.217	33.849	-0.197	33.879	-0.193
33.907	-0.194	33.938	-0.210	33.971	-0.226	34.003	-0.234
34.029	-0.238	34.055	-0.262	34.079	-0.286	34.106	-0.310
34.136	-0.342	34.163	-0.358	34.192	-0.366	34.223	-0.378
34.253	-0.390	34.285	-0.394	34.312	-0.394	34.341	-0.378
34.366	-0.366	34.397	-0.355	34.423	-0.343	34.449	-0.343
34.480	-0.343	34.515	-0.347	34.551	-0.356	34.588	-0.352
34.619	-0.348	34.659	-0.356	34.697	-0.369	34.733	-0.373
34.769	-0.382	34.804	-0.394	34.838	-0.414	34.872	-0.419
34.903	-0.431	34.931	-0.428	34.960	-0.424	34.985	-0.424
35.015	-0.428	35.049	-0.425	35.082	-0.417	35.118	-0.409
35.157	-0.406	35.181	-0.386	35.212	-0.362	35.244	-0.342
35.271	-0.326	35.299	-0.318	35.328	-0.307	35.358	-0.299
35.392	-0.283	35.423	-0.275	35.452	-0.272	35.484	-0.256
35.517	-0.245	35.547	-0.229	35.578	-0.214	35.612	-0.190
35.643	-0.167	35.673	-0.147	35.705	-0.124	35.736	-0.112
35.773	-0.093	35.804	-0.069	35.834	-0.054	35.865	-0.050
35.901	-0.047	35.939	-0.043	35.979	-0.043	36.016	-0.055
36.053	-0.072	36.087	-0.080	36.115	-0.084	36.152	-0.080
36.187	-0.076	36.221	-0.064	36.256	-0.044	36.286	-0.028
36.312	-0.007	36.341	0.017	36.373	0.033	36.406	0.057
36.443	0.077	36.479	0.085	36.509	0.098	36.542	0.102
36.574	0.106	36.600	0.114	36.630	0.123	36.666	0.123
36.699	0.135	36.729	0.151	36.766	0.151	36.798	0.159
36.831	0.179	36.865	0.191	36.899	0.207	36.931	0.219
36.960	0.234	36.987	0.246	37.015	0.282	37.046	0.309
37.077	0.333	37.112	0.357	37.145	0.364	37.180	0.380
37.214	0.396	37.248	0.408	37.282	0.407	37.318	0.407
37.354	0.407	37.388	0.407	37.414	0.399	37.441	0.391
37.471	0.375	37.501	0.355	37.537	0.340	37.577	0.328
37.610	0.320	37.640	0.321	37.669	0.333	37.700	0.353
37.730	0.377	37.762	0.401	37.793	0.421	37.829	0.440
37.859	0.448	37.889	0.456	37.925	0.452	37.959	0.444
37.991	0.444	38.019	0.427	38.048	0.407	38.085	0.403
38.119	0.391	38.152	0.374	38.186	0.362	38.219	0.346
38.247	0.330	38.281	0.310	38.312	0.294	38.344	0.282
38.379	0.271	38.417	0.263	38.459	0.251	38.493	0.243
38.527	0.232	38.558	0.220	38.590	0.204	38.625	0.200
38.660	0.193	38.695	0.185	38.729	0.181	38.770	0.185
38.803	0.182	38.840	0.174	38.875	0.174	38.912	0.167
38.942	0.155	38.980	0.147	39.015	0.135	39.049	0.123

39.080	0.111	39.115	0.100	39.152	0.080	39.185	0.056
39.218	0.036	39.255	0.020	39.296	0.004	39.327	-0.012
39.360	-0.031	39.388	-0.059	39.422	-0.083	39.452	-0.107
39.488	-0.115	39.519	-0.143	39.552	-0.154	39.576	-0.174
39.604	-0.186	39.634	-0.194	39.664	-0.205	39.691	-0.213
39.715	-0.217	39.743	-0.233	39.772	-0.261	39.801	-0.269
39.829	-0.268	39.859	-0.260	39.884	-0.244	39.912	-0.236
39.937	-0.216	39.967	-0.192	39.999	-0.176	40.031	-0.152
40.059	-0.136	40.098	-0.124	40.134	-0.128	40.164	-0.128
40.193	-0.116	40.225	-0.108	40.258	-0.100	40.288	-0.092
40.320	-0.088	40.353	-0.089	40.387	-0.089	40.420	-0.089
40.448	-0.097	40.483	-0.101	40.513	-0.090	40.550	-0.094
40.587	-0.090	40.616	-0.091	40.647	-0.107	40.678	-0.123
40.709	-0.139	40.749	-0.167	40.783	-0.171	40.815	-0.192
40.851	-0.200	40.886	-0.216	40.922	-0.228	40.954	-0.232
40.984	-0.228	41.017	-0.248	41.052	-0.257	41.082	-0.281
41.110	-0.301	41.138	-0.321	41.168	-0.341	41.203	-0.373
41.237	-0.385	41.267	-0.389	41.301	-0.398	41.334	-0.390
41.373	-0.378	41.408	-0.378	41.440	-0.378	41.472	-0.362
41.507	-0.341	41.537	-0.321	41.564	-0.309	41.596	-0.281
41.626	-0.269	41.655	-0.261	41.690	-0.252	41.730	-0.236
41.763	-0.219	41.796	-0.219	41.829	-0.215	41.862	-0.210
41.901	-0.198	41.936	-0.194	41.969	-0.177	42.004	-0.169
42.037	-0.160	42.076	-0.140	42.114	-0.123	42.151	-0.107
42.183	-0.091	42.219	-0.094	42.257	-0.090	42.294	-0.081
42.327	-0.069	42.361	-0.056	42.395	-0.036	42.427	-0.027
42.463	-0.007	42.496	0.009	42.532	0.026	42.566	0.038
42.598	0.063	42.632	0.075	42.658	0.095	42.684	0.108
42.713	0.128	42.749	0.169	42.776	0.197	42.803	0.228
42.832	0.251	42.855	0.283	42.883	0.317	42.912	0.344
42.931	0.351	42.957	0.369	42.992	0.372	43.022	0.366
43.051	0.353	43.085	0.324	43.119	0.304	43.156	0.276
43.195	0.260	43.230	0.260	43.263	0.269	43.299	0.290
43.334	0.294	43.367	0.303	43.406	0.299	43.444	0.287
43.480	0.272	43.516	0.252	43.552	0.224	43.595	0.204
43.630	0.184	43.671	0.177	43.708	0.165	43.750	0.157
43.794	0.154	43.839	0.154	43.883	0.159	43.923	0.179
43.973	0.192	44.003	0.196	44.043	0.201	44.082	0.209
44.121	0.210	44.157	0.207	44.196	0.216	44.235	0.212
44.274	0.221	44.315	0.213	44.353	0.210	44.395	0.209
44.438	0.209	44.476	0.208	44.509	0.219	44.536	0.219
44.568	0.214	44.600	0.217	44.628	0.213	44.663	0.213
44.696	0.220	44.732	0.236	44.769	0.248	44.804	0.247
44.840	0.251	44.877	0.251	44.923	0.246	44.962	0.221
45.004	0.209	45.043	0.201	45.084	0.184	45.126	0.180
45.165	0.156	45.206	0.152	45.249	0.152	45.288	0.160
45.325	0.148	45.363	0.148	45.407	0.140	45.449	0.128
45.497	0.120	45.543	0.104	45.588	0.100	45.630	0.096
45.673	0.084	45.710	0.072	45.749	0.056	45.788	0.052
45.829	0.028	45.865	0.012	45.904	-0.016	45.929	-0.048
45.964	-0.072	45.998	-0.108	46.033	-0.148	46.073	-0.184
46.106	-0.213	46.136	-0.225	46.171	-0.233	46.203	-0.242
46.239	-0.242	46.279	-0.239	46.316	-0.239	46.351	-0.239
46.384	-0.244	46.417	-0.268	46.454	-0.272	46.488	-0.292
46.521	-0.296	46.559	-0.316	46.586	-0.328	46.626	-0.348
46.662	-0.356	46.701	-0.360	46.740	-0.360	46.777	-0.364
46.808	-0.348	46.844	-0.324	46.876	-0.296	46.910	-0.272
46.944	-0.256	46.975	-0.240	47.005	-0.219	47.033	-0.211
47.063	-0.207	47.099	-0.206	47.133	-0.202	47.169	-0.197
47.208	-0.172	47.247	-0.155	47.282	-0.138	47.323	-0.133
47.371	-0.120	47.408	-0.116	47.448	-0.107	47.484	-0.103
47.520	-0.094	47.558	-0.082	47.591	-0.082	47.623	-0.083
47.660	-0.091	47.694	-0.099	47.729	-0.103	47.766	-0.120
47.799	-0.128	47.835	-0.136	47.874	-0.149	47.913	-0.153
47.951	-0.169	47.990	-0.181	48.027	-0.185	48.067	-0.193
48.105	-0.189	48.143	-0.185	48.179	-0.169	48.230	-0.149
48.284	-0.124	48.331	-0.112	48.378	-0.100	48.417	-0.096

IG113
71.040 2/9/71 0600PST L.A. 611 W. SIXTH ST. 42ND FLOOR DOWN

2610 POINTS 48.361 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2318 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.003	0.017	0.253	0.028	0.429	0.039	0.493
0.049	0.385	0.058	0.173	0.069	-0.155	0.078	-0.483
0.087	-0.739	0.095	-0.931	0.105	-1.063	0.117	-1.123
0.130	-1.054	0.141	-0.906	0.149	-0.722	0.156	-0.490
0.169	-0.194	0.183	0.054	0.195	0.238	0.210	0.302
0.221	0.462	0.231	0.610	0.235	0.738	0.248	0.830
0.257	0.770	0.265	0.606	0.273	0.370	0.280	0.130
0.286	-0.086	0.295	-0.278	0.302	-0.410	0.310	-0.506
0.322	-0.450	0.333	-0.295	0.344	-0.107	0.354	0.061
0.362	0.148	0.373	0.248	0.388	0.304	0.398	0.395
0.412	0.427	0.424	0.343	0.432	0.218	0.440	0.046
0.446	-0.114	0.454	-0.238	0.467	-0.302	0.478	-0.251
0.494	-0.179	0.510	-0.224	0.522	-0.300	0.536	-0.388
0.549	-0.313	0.558	-0.169	0.572	0.047	0.587	0.182
0.602	0.254	0.618	0.309	0.627	0.389	0.641	0.488
0.654	0.444	0.664	0.308	0.673	0.112	0.683	-0.105
0.690	-0.257	0.702	-0.369	0.715	-0.345	0.724	-0.174
0.735	-0.014	0.745	0.186	0.753	0.326	0.767	0.378
0.777	0.285	0.785	0.117	0.794	-0.123	0.802	-0.311
0.808	-0.455	0.814	-0.531	0.821	-0.579	0.833	-0.539
0.841	-0.403	0.850	-0.224	0.857	-0.012	0.867	0.136
0.879	0.232	0.891	0.168	0.900	0.080	0.907	-0.016
0.917	-0.101	0.934	-0.057	0.951	-0.021	0.970	-0.041
0.982	0.035	0.995	0.147	1.001	0.315	1.009	0.495
1.019	0.599	1.025	0.627	1.036	0.555	1.047	0.447
1.057	0.271	1.066	0.083	1.076	-0.133	1.085	-0.329
1.096	-0.481	1.109	-0.577	1.125	-0.525	1.137	-0.361
1.145	-0.197	1.152	-0.033	1.164	0.027	1.178	-0.025
1.189	-0.105	1.204	-0.109	1.227	-0.133	1.237	-0.189
1.248	-0.305	1.258	-0.413	1.269	-0.466	1.284	-0.402
1.295	-0.278	1.304	-0.102	1.317	-0.034	1.328	-0.110
1.341	-0.242	1.350	-0.354	1.358	-0.454	1.369	-0.382
1.380	-0.206	1.388	-0.022	1.395	0.206	1.406	0.401
1.420	0.557	1.435	0.657	1.446	0.833	1.457	0.988
1.472	1.048	1.484	0.976	1.497	0.852	1.510	0.747
1.524	0.599	1.539	0.459	1.548	0.267	1.555	0.067
1.570	-0.157	1.589	-0.414	1.605	-0.614	1.620	-0.810
1.633	-0.886	1.644	-0.798	1.659	-0.582	1.668	-0.323
1.680	-0.039	1.690	0.169	1.702	0.329	1.713	0.353
1.728	0.353	1.739	0.508	1.752	0.660	1.767	0.733

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
1.778	0.761	1.796	0.721	1.814	0.605	1.829	0.457
1.846	0.334	1.861	0.154	1.879	-0.038	1.894	-0.234
1.910	-0.374	1.926	-0.477	1.946	-0.417	1.961	-0.277
1.975	-0.061	1.984	0.151	1.995	0.355	2.003	0.487
2.017	0.535	2.026	0.471	2.041	0.395	2.051	0.231
2.065	0.063	2.074	-0.113	2.085	-0.357	2.094	-0.577
2.101	-0.808	2.111	-0.984	2.124	-1.180	2.136	-1.256
2.148	-1.185	2.160	-1.001	2.168	-0.781	2.174	-0.513
2.182	-0.189	2.191	0.070	2.193	0.318	2.202	0.562
2.209	0.746	2.219	0.650	2.236	0.802	2.251	0.725
2.266	0.597	2.275	0.465	2.287	0.261	2.300	0.053
2.313	-0.079	2.326	-0.160	2.341	-0.036	2.353	0.052
2.364	0.216	2.380	0.315	2.397	0.331	2.418	0.295
2.427	0.179	2.434	0.035	2.439	-0.145	2.451	-0.305
2.471	-0.298	2.484	-0.250	2.496	-0.058	2.508	0.130
2.522	0.253	2.542	0.365	2.558	0.345	2.579	0.421
2.590	0.313	2.599	0.077	2.611	-0.183	2.625	-0.423
2.640	-0.619	2.653	-0.683	2.673	-0.691	2.685	-0.631
2.697	-0.455	2.710	-0.259	2.725	0.081	2.738	0.393
2.758	0.417	2.775	0.593	2.787	0.753	2.800	0.949
2.815	1.049	2.829	0.961	2.836	0.781	2.847	0.589
2.854	0.401	2.862	0.157	2.869	-0.051	2.876	-0.195
2.883	-0.259	2.894	-0.187	2.904	-0.011	2.914	0.169
2.928	0.301	2.936	0.213	2.946	0.030	2.953	-0.170
2.959	-0.366	2.973	-0.582	2.984	-0.698	2.998	-0.730
3.010	-0.650	3.026	-0.366	3.046	-0.082	3.061	0.039
3.082	0.063	3.103	0.191	3.120	0.279	3.134	0.439
3.145	0.595	3.159	0.727	3.169	0.751	3.189	0.752
3.208	0.656	3.233	0.684	3.253	0.672	3.267	0.549
3.280	0.353	3.292	0.169	3.306	-0.035	3.319	-0.167
3.341	-0.222	3.355	-0.318	3.364	-0.474	3.376	-0.682
3.388	-0.798	3.401	-0.850	3.414	-0.797	3.426	-0.685
3.443	-0.689	3.459	-0.757	3.475	-0.765	3.494	-0.677
3.508	-0.569	3.528	-0.317	3.544	-0.088	3.559	0.024
3.581	0.064	3.597	0.216	3.614	0.472	3.629	0.628
3.648	0.552	3.664	0.468	3.682	0.388	3.702	0.488
3.722	0.436	3.737	0.268	3.750	0.120	3.776	0.061
3.793	-0.051	3.806	-0.263	3.818	-0.523	3.828	-0.811
3.840	-1.051	3.855	-1.223	3.870	-1.323	3.889	-1.283
3.903	-1.111	3.916	-0.879	3.928	-0.543	3.938	-0.275

3.950	0.013	3.962	0.237	3.980	0.385	3.996	0.313
4.006	0.117	4.019	-0.059	4.029	-0.183	4.048	-0.255
4.065	-0.175	4.082	0.033	4.096	0.249	4.113	0.353
4.126	0.293	4.139	0.133	4.152	0.009	4.163	-0.035
4.177	0.070	4.192	0.218	4.210	0.298	4.233	0.394
4.253	0.406	4.269	0.314	4.289	0.151	4.305	-0.053
4.320	-0.249	4.337	-0.501	4.351	-0.728	4.368	-0.984
4.385	-1.180	4.403	-1.276	4.423	-1.216	4.440	-0.987
4.457	-0.679	4.469	-0.327	4.481	0.057	4.496	0.433
4.513	0.593	4.532	0.594	4.550	0.654	4.570	-0.090
4.593	0.638	4.608	0.503	4.626	0.431	4.647	0.487
4.668	0.388	4.683	0.108	4.700	-0.180	4.718	-0.487
4.736	-0.795	4.750	-0.999	4.771	-1.099	4.788	-1.051
4.800	-0.919	4.815	-0.623	4.829	-0.319	4.842	0.013
4.860	0.154	4.881	0.270	4.901	0.482	4.918	0.570
4.943	0.526	4.967	0.470	4.986	0.506	5.010	0.534
5.025	0.622	5.040	0.646	5.062	0.566	5.076	0.410
5.095	0.306	5.111	0.134	5.129	-0.123	5.140	-0.347
5.153	-0.611	5.163	-0.739	5.176	-0.763	5.198	-0.751
5.213	-0.643	5.231	-0.483	5.251	-0.307	5.273	-0.175
5.296	-0.211	5.316	-0.079	5.334	0.172	5.350	0.436
5.364	0.668	5.380	0.884	5.392	1.096	5.405	1.132
5.423	1.056	5.437	0.860	5.450	0.620	5.466	0.396
5.487	0.245	5.502	0.145	5.519	-0.047	5.535	-0.091
5.557	0.013	5.573	-0.102	5.591	-0.278	5.606	-0.362
5.617	-0.246	5.626	-0.066	5.637	0.030	5.657	-0.049
5.671	-0.157	5.682	-0.185	5.698	-0.105	5.714	0.015
5.739	0.024	5.756	0.127	5.770	0.271	5.779	0.435
5.792	0.487	5.811	0.419	5.822	0.303	5.839	0.171
5.856	0.119	5.885	0.095	5.907	0.075	5.925	0.195
5.937	0.383	5.952	0.503	5.971	0.466	5.988	0.426
6.013	0.518	6.031	0.466	6.055	0.326	6.071	0.166
6.086	0.046	6.099	-0.257	6.113	-0.481	6.129	-0.577
6.143	-0.641	6.161	-0.773	6.177	-0.793	6.200	-0.737
6.224	-0.753	6.240	-0.777	6.258	-0.653	6.274	-0.424
6.286	-0.108	6.301	0.296	6.312	0.588	6.327	0.740
6.348	0.885	6.370	1.017	6.390	1.046	6.410	0.994
6.425	0.858	6.437	0.730	6.450	0.547	6.466	0.287
6.481	0.135	6.495	-0.128	6.509	-0.380	6.524	-0.636
6.538	-0.852	6.553	-1.043	6.578	-1.111	6.599	-1.075
6.613	-1.030	6.628	-0.814	6.639	-0.654	6.653	-0.386
6.670	-0.106	6.689	0.238	6.701	0.535	6.718	0.767
6.739	0.899	6.753	1.035	6.771	1.111	6.794	1.084
6.811	0.952	6.824	0.752	6.836	0.556	6.849	0.312
6.861	0.080	6.873	-0.120	6.887	-0.324	6.905	-0.504
6.922	-0.596	6.938	-0.672	6.951	-0.880	6.969	-0.943
6.987	-0.899	7.006	-0.711	7.021	-0.527	7.035	-0.355
7.050	-0.299	7.065	-0.303	7.077	-0.199	7.095	-0.039
7.106	0.161	7.118	0.285	7.132	0.321	7.148	0.473
7.157	0.521	7.168	0.677	7.186	0.789	7.202	0.737
7.219	0.601	7.235	0.381	7.253	0.149	7.271	-0.038
7.288	-0.162	7.307	-0.230	7.321	-0.302	7.341	-0.386
7.361	-0.538	7.376	-0.686	7.388	-0.782	7.401	-0.806
7.416	-0.714	7.436	-0.514	7.453	-0.314	7.468	-0.058
7.484	0.134	7.499	0.266	7.513	0.270	7.537	0.250
7.560	0.178	7.589	0.126	7.603	0.095	7.622	0.091

7.644	-0.017	7.664	-0.133	7.685	-0.213	7.705	-0.161
7.728	-0.017	7.749	0.103	7.768	0.142	7.791	0.107
7.810	0.035	7.828	-0.077	7.852	-0.145	7.874	-0.145
7.899	-0.121	7.914	-0.109	7.938	-0.185	7.958	-0.285
7.971	-0.361	7.989	-0.389	8.009	-0.302	8.028	-0.206
8.052	-0.162	8.078	-0.062	8.103	0.058	8.118	0.186
8.133	0.306	8.146	0.442	8.157	0.590	8.173	0.678
8.194	0.609	8.211	0.461	8.227	0.345	8.254	0.217
8.283	0.141	8.304	0.013	8.323	-0.143	8.341	-0.319
8.356	-0.468	8.375	-0.556	8.401	-0.512	8.428	-0.448
8.454	-0.424	8.470	-0.428	8.497	-0.324	8.512	-0.172
8.530	0.032	8.547	0.196	8.560	0.244	8.578	0.280
8.594	0.176	8.611	0.036	8.627	-0.072	8.642	-0.092
8.662	0.028	8.665	0.128	8.709	0.140	8.735	0.076
8.759	-0.064	8.780	-0.200	8.801	-0.292	8.825	-0.244
8.843	-0.120	8.860	0.012	8.879	0.024	8.897	-0.036
8.912	-0.072	8.934	-0.012	8.954	0.181	8.975	0.353
8.995	0.389	9.019	0.353	9.040	0.293	9.056	0.177
9.074	0.001	9.095	-0.111	9.113	-0.195	9.137	-0.207
9.153	-0.139	9.170	-0.087	9.187	-0.015	9.212	0.030
9.238	0.098	9.264	0.122	9.287	0.106	9.309	0.007
9.328	-0.081	9.345	-0.105	9.368	-0.041	9.387	0.048
9.419	0.180	9.447	0.292	9.469	0.221	9.492	0.097
9.513	-0.063	9.533	-0.175	9.559	-0.278	9.581	-0.306
9.604	-0.270	9.628	-0.134	9.646	-0.041	9.670	-0.029
9.691	0.103	9.714	0.155	9.733	0.176	9.760	0.328
9.780	0.396	9.802	0.420	9.828	0.388	9.853	0.344
9.870	0.232	9.886	0.140	9.905	0.108	9.929	0.096
9.949	0.016	9.968	-0.063	9.985	-0.072	10.015	0.040
10.037	0.072	10.062	0.156	10.081	0.160	10.114	0.152
10.134	0.167	10.154	0.303	10.172	0.379	10.199	0.351
10.226	0.379	10.248	0.311	10.268	0.119	10.289	-0.113
10.310	-0.345	10.322	-0.433	10.339	-0.473	10.359	-0.373
10.384	-0.205	10.409	-0.153	10.439	-0.169	10.460	-0.241
10.478	-0.305	10.493	-0.250	10.511	-0.130	10.523	-0.138
10.550	0.022	10.572	0.145	10.595	0.189	10.617	0.181
10.635	0.089	10.650	-0.012	10.664	-0.140	10.680	-0.228
10.655	-0.261	10.715	-0.189	10.731	-0.118	10.743	-0.010
10.753	0.050	10.764	0.089	10.778	0.133	10.790	0.141
10.813	0.124	10.829	0.100	10.851	0.036	10.867	-0.053
10.881	-0.133	10.899	-0.189	10.920	-0.221	10.942	-0.206
10.962	-0.146	10.984	-0.058	11.000	0.034	11.020	0.097
11.042	0.097	11.062	0.057	11.083	0.148	11.104	0.176
11.124	0.164	11.144	0.104	11.158	0.040	11.172	-0.064
11.186	-0.149	11.198	-0.193	11.219	-0.221	11.237	-0.153
11.251	-0.085	11.271	-0.029	11.291	-0.062	11.304	-0.134
11.321	-0.191	11.346	-0.244	11.364	-0.337	11.379	-0.393
11.401	-0.438	11.428	-0.447	11.445	-0.343	11.464	-0.208
11.485	-0.101	11.515	-0.042	11.538	0.029	11.558	0.076
11.575	0.096	11.588	0.123	11.610	0.106	11.637	0.109
11.660	0.060	11.675	-0.048	11.691	-0.173	11.705	-0.281
11.723	-0.338	11.743	-0.250	11.760	-0.142	11.782	-0.065
11.804	-0.077	11.835	-0.081	11.864	-0.005	11.894	0.092
11.912	0.176	11.925	0.320	11.944	0.461	11.963	0.521
11.986	0.502	12.009	0.402	12.030	0.271	12.051	0.131
12.067	0.023	12.079	-0.057	12.109	-0.129	12.136	-0.197

12.159	-0.169	12.179	-0.122	12.207	-0.126	12.234	-0.114
12.267	-0.035	12.288	-0.059	12.305	-0.079	12.333	-0.099
12.348	-0.048	12.363	0.048	12.385	0.136	12.402	0.167
12.417	0.187	12.438	0.139	12.459	0.051	12.487	0.031
12.507	0.095	12.525	0.155	12.540	0.091	12.564	0.035
12.592	-0.060	12.618	-0.140	12.641	-0.200	12.668	-0.151
12.696	-0.091	12.723	0.009	12.742	0.129	12.761	0.241
12.779	0.318	12.794	0.362	12.809	0.418	12.831	0.354
12.843	0.226	12.867	0.115	12.889	0.055	12.910	-0.057
12.929	-0.141	12.951	-0.205	12.975	-0.277	12.996	-0.301
13.023	-0.237	13.046	-0.141	13.062	-0.012	13.078	0.144
13.096	0.240	13.112	0.284	13.132	0.224	13.153	0.141
13.172	0.073	13.196	0.057	13.217	0.061	13.239	0.089
13.267	0.038	13.286	-0.018	13.310	-0.046	13.334	-0.085
13.352	-0.093	13.380	-0.105	13.418	-0.061	13.455	0.020
13.477	0.080	13.498	0.093	13.520	0.029	13.539	-0.091
13.559	-0.214	13.581	-0.342	13.606	-0.326	13.634	-0.265
13.658	-0.245	13.694	-0.164	13.725	-0.071	13.752	0.045
13.773	0.114	13.790	0.142	13.808	0.103	13.833	0.007
13.859	-0.093	13.890	-0.196	13.926	-0.248	13.967	-0.271
13.999	-0.214	14.026	-0.146	14.045	-0.094	14.067	-0.030
14.097	0.006	14.127	0.026	14.163	-0.006	14.190	-0.054
14.214	-0.095	14.239	-0.039	14.263	0.073	14.288	0.157
14.317	0.153	14.335	0.085	14.356	-0.015	14.374	-0.087
14.398	-0.119	14.420	-0.047	14.441	0.057	14.461	0.120
14.482	0.148	14.496	0.172	14.519	0.152	14.540	0.128
14.563	0.204	14.584	0.248	14.606	0.224	14.626	0.140
14.657	0.132	14.685	0.108	14.716	0.048	14.742	0.024
14.773	-0.060	14.798	-0.132	14.827	-0.156	14.864	-0.128
14.890	-0.064	14.909	-0.000	14.939	0.024	14.970	0.040
14.992	0.096	15.030	0.092	15.062	0.076	15.093	0.008
15.116	-0.092	15.140	-0.139	15.163	-0.160	15.189	-0.144
15.204	-0.120	15.225	-0.168	15.243	-0.201	15.279	-0.165
15.302	-0.113	15.317	-0.081	15.336	-0.018	15.352	-0.006
15.375	-0.038	15.398	-0.106	15.419	-0.139	15.445	-0.099
15.473	0.000	15.496	0.084	15.519	0.108	15.551	0.083
15.582	0.031	15.603	0.011	15.624	-0.033	15.663	-0.049
15.690	-0.085	15.714	-0.133	15.739	-0.141	15.768	-0.161
15.799	-0.089	15.825	0.031	15.850	0.083	15.868	0.103
15.896	0.067	15.919	-0.021	15.946	-0.061	15.971	-0.041
16.001	0.067	16.023	0.162	16.049	0.226	16.073	0.202
16.099	0.101	16.122	-0.011	16.150	-0.083	16.174	-0.140
16.208	-0.156	16.239	-0.141	16.267	-0.105	16.293	-0.102
16.321	-0.110	16.346	-0.042	16.371	0.114	16.396	0.202
16.431	0.218	16.460	0.250	16.493	0.238	16.513	0.182
16.537	0.066	16.558	-0.074	16.581	-0.137	16.611	-0.125
16.654	-0.105	16.699	-0.060	16.736	-0.040	16.757	0.004
16.784	0.092	16.806	0.112	16.826	0.088	16.849	0.065
16.873	0.144	16.899	0.188	16.931	0.164	16.962	0.113
16.996	0.033	17.036	-0.015	17.069	-0.023	17.103	-0.043
17.134	-0.071	17.169	-0.051	17.205	-0.015	17.237	0.001
17.277	-0.018	17.309	-0.050	17.339	-0.086	17.374	-0.067
17.406	0.013	17.427	0.025	17.454	0.037	17.490	0.009
17.519	-0.011	17.552	0.069	17.577	0.120	17.603	0.089
17.629	-0.015	17.653	-0.099	17.680	-0.119	17.707	-0.088
17.731	-0.012	17.757	0.016	17.776	0.003	17.809	-0.025

17.836	-0.057	17.875	-0.062	17.910	-0.030	17.944	0.057
17.972	0.141	17.989	0.149	18.015	0.125	18.040	0.029
18.064	-0.027	18.087	-0.063	18.115	-0.163	18.138	-0.211
18.161	-0.183	18.183	-0.146	18.215	-0.122	18.250	-0.030
18.284	0.013	18.309	0.049	18.335	0.025	18.359	-0.039
18.380	-0.043	18.409	-0.087	18.435	-0.116	18.471	-0.100
18.504	-0.092	18.538	-0.101	18.574	-0.133	18.600	-0.093
18.634	0.031	18.665	0.078	18.694	0.050	18.723	-0.042
18.742	-0.122	18.765	-0.154	18.798	-0.126	18.838	-0.039
18.872	0.028	18.900	0.060	18.939	0.071	18.977	0.078
19.012	0.077	19.049	0.060	19.081	0.040	19.105	-0.017
19.129	-0.077	19.162	-0.081	19.187	-0.077	19.206	-0.057
19.234	-0.085	19.256	-0.089	19.276	-0.065	19.291	-0.029
19.309	0.051	19.348	0.071	19.383	0.091	19.404	0.115
19.431	0.115	19.453	0.066	19.489	0.014	19.527	0.010
19.557	0.006	19.584	-0.070	19.605	-0.130	19.627	-0.186
19.654	-0.159	19.673	-0.091	19.699	0.013	19.722	0.141
19.743	0.216	19.762	0.232	19.786	0.172	19.812	0.072
19.839	-0.004	19.866	-0.056	19.901	-0.056	19.941	-0.085
19.976	-0.113	20.005	-0.153	20.028	-0.172	20.058	-0.092
20.084	0.032	20.108	0.052	20.132	0.096	20.165	0.092
20.200	0.072	20.231	0.084	20.254	0.140	20.291	0.132
20.326	0.076	20.358	-0.045	20.389	-0.157	20.413	-0.221
20.445	-0.218	20.480	-0.154	20.507	-0.055	20.541	0.021
20.557	0.052	20.587	0.076	20.618	0.092	20.644	0.076
20.678	0.052	20.709	-0.012	20.732	-0.092	20.752	-0.152
20.779	-0.164	20.811	-0.116	20.838	-0.036	20.862	-0.011
20.894	0.005	20.923	0.025	20.961	0.006	20.987	-0.022
21.019	0.003	21.055	0.035	21.086	0.015	21.116	-0.056
21.137	-0.135	21.167	-0.115	21.198	-0.046	21.224	-0.021
21.241	0.051	21.260	0.084	21.283	0.108	21.310	0.085
21.342	0.030	21.369	-0.009	21.384	-0.041	21.405	-0.040
21.423	-0.082	21.440	-0.109	21.456	-0.120	21.470	-0.119
21.482	-0.103	21.499	-0.077	21.510	-0.043	21.523	0.006
21.538	0.076	21.550	0.113	21.561	0.154	21.573	0.192
21.586	0.201	21.599	0.206	21.614	0.208	21.630	0.188
21.648	0.141	21.665	0.090	21.679	0.023	21.695	-0.024
21.714	-0.075	21.726	-0.107	21.742	-0.102	21.757	-0.121
21.779	-0.112	21.795	-0.105	21.818	-0.069	21.835	-0.038
21.851	-0.006	21.865	0.017	21.879	0.033	21.892	0.049
21.904	0.040	21.914	0.044	21.933	0.039	21.945	0.023
21.960	0.039	21.975	0.126	21.985	0.134	21.999	0.173
22.012	0.197	22.028	0.212	22.045	0.235	22.061	0.235
22.081	0.222	22.105	0.197	22.116	0.196	22.132	0.148
22.145	0.083	22.160	0.014	22.172	-0.030	22.187	-0.075
22.200	-0.119	22.218	-0.132	22.235	-0.129	22.247	-0.121
22.260	-0.102	22.274	-0.086	22.284	-0.063	22.301	-0.091
22.322	-0.120	22.338	-0.141	22.355	-0.153	22.371	-0.138
22.386	-0.103	22.401	-0.047	22.415	-0.004	22.431	0.076
22.445	0.107	22.455	0.155	22.469	0.186	22.487	0.202
22.506	0.201	22.523	0.188	22.539	0.144	22.558	0.080
22.579	0.023	22.593	-0.029	22.606	-0.074	22.621	-0.122
22.636	-0.162	22.647	-0.190	22.663	-0.199	22.679	-0.187
22.691	-0.151	22.702	-0.100	22.718	-0.028	22.728	-0.004
22.741	0.019	22.751	0.067	22.763	0.103	22.782	0.134
22.797	0.138	22.812	0.110	22.826	0.094	22.845	0.094

22.866	0.110	22.884	0.105	22.899	0.097	22.917	0.101
22.928	0.105	22.950	0.121	22.965	0.081	22.986	0.013
23.004	-0.043	23.021	-0.048	23.038	-0.028	23.058	-0.032
23.071	-0.048	23.086	-0.052	23.103	-0.060	23.116	-0.044
23.128	-0.036	23.143	-0.032	23.157	-0.028	23.170	-0.020
23.183	0.020	23.196	0.060	23.209	0.084	23.226	0.120
23.240	0.112	23.253	0.095	23.267	0.087	23.278	0.079
23.291	0.063	23.305	0.055	23.319	0.026	23.329	-0.034
23.343	-0.078	23.355	-0.070	23.370	-0.054	23.384	-0.035
23.401	-0.027	23.415	-0.019	23.427	-0.019	23.443	-0.028
23.458	-0.028	23.476	-0.008	23.492	0.020	23.506	0.044
23.520	0.043	23.539	0.047	23.542	0.023	23.557	0.035
23.570	0.043	23.582	0.031	23.593	0.019	23.606	0.003
23.623	-0.037	23.639	-0.013	23.651	0.011	23.663	0.055
23.681	0.087	23.696	0.083	23.710	0.071	23.732	0.043
23.753	0.079	23.767	0.043	23.783	-0.017	23.798	-0.061
23.813	-0.080	23.828	-0.048	23.845	-0.016	23.861	0.000
23.876	-0.008	23.888	0.004	23.903	-0.015	23.919	0.017
23.929	0.021	23.943	0.013	23.959	0.013	23.976	0.001
23.990	0.022	24.003	0.018	24.017	0.030	24.033	0.026
24.050	0.026	24.065	0.042	24.078	0.030	24.098	0.010
24.109	0.006	24.121	-0.034	24.134	-0.062	24.146	-0.106
24.164	-0.118	24.180	-0.090	24.193	-0.058	24.206	-0.026
24.215	-0.006	24.225	0.014	24.237	0.054	24.251	0.070
24.271	0.054	24.287	0.033	24.305	0.017	24.325	0.029
24.341	0.030	24.356	0.062	24.373	0.046	24.389	0.022
24.404	0.014	24.418	0.010	24.435	-0.022	24.457	-0.066
24.470	-0.098	24.482	-0.154	24.496	-0.202	24.518	-0.178
24.538	-0.167	24.552	-0.143	24.568	-0.131	24.579	-0.131
24.592	-0.119	24.608	-0.063	24.620	-0.031	24.634	-0.011
24.646	0.012	24.659	0.052	24.671	0.088	24.686	0.120
24.705	0.148	24.720	0.152	24.736	0.156	24.749	0.199
24.768	0.183	24.781	0.166	24.793	0.146	24.805	0.094
24.819	0.045	24.835	-0.023	24.846	-0.060	24.861	-0.104
24.872	-0.120	24.884	-0.113	24.897	-0.117	24.913	-0.102
24.925	-0.094	24.937	-0.090	24.950	-0.087	24.968	-0.067
24.981	-0.052	24.996	-0.052	25.016	-0.053	25.038	-0.021
25.056	0.011	25.071	0.059	25.089	0.127	25.110	0.111
25.133	0.103	25.155	0.083	25.171	0.087	25.197	0.067
25.213	0.063	25.234	0.083	25.254	0.076	25.282	0.040
25.298	0.008	25.316	0.001	25.336	-0.023	25.357	-0.026
25.376	-0.022	25.393	-0.026	25.403	-0.034	25.421	-0.037
25.441	-0.033	25.460	0.007	25.480	0.040	25.500	0.096
25.513	0.128	25.531	0.156	25.561	0.152	25.582	0.116
25.600	0.104	25.627	0.057	25.648	0.013	25.667	-0.023
25.685	-0.051	25.699	-0.023	25.714	-0.043	25.726	-0.043
25.745	-0.014	25.756	-0.014	25.771	0.013	25.787	0.025
25.805	0.029	25.823	0.049	25.835	0.069	25.850	0.089
25.868	0.084	25.885	0.068	25.899	0.060	25.915	0.024
25.931	0.024	25.950	0.012	25.979	-0.005	25.996	-0.057
26.030	-0.062	26.052	-0.051	26.090	-0.084	26.115	-0.085
26.133	-0.046	26.153	-0.019	26.170	-0.019	26.188	-0.008
26.213	-0.009	26.237	0.006	26.257	0.017	26.269	0.057
26.295	0.036	26.313	0.019	26.334	-0.010	26.355	-0.003
26.377	-0.024	26.401	-0.049	26.427	-0.011	26.452	0.040
26.473	0.039	26.504	0.018	26.529	0.012	26.547	0.024

26.571	-0.009	26.590	-0.018	26.617	-0.003	26.633	-0.011
26.644	-0.016	26.662	-0.032	26.677	-0.037	26.695	-0.101
26.715	-0.070	26.732	-0.062	26.752	-0.038	26.772	-0.030
26.787	-0.026	26.804	-0.010	26.820	0.015	26.838	0.047
26.860	0.027	26.882	-0.013	26.903	-0.033	26.922	-0.065
26.942	-0.056	26.955	-0.036	26.973	-0.012	26.989	-0.020
27.006	-0.016	27.024	-0.023	27.044	-0.007	27.060	-0.006
27.073	0.006	27.088	0.007	27.106	-0.033	27.120	-0.048
27.137	-0.108	27.159	-0.091	27.177	-0.058	27.197	-0.018
27.217	-0.017	27.232	-0.001	27.253	0.016	27.269	0.033
27.283	0.033	27.299	0.049	27.318	0.082	27.341	0.087
27.368	0.112	27.356	0.153	27.421	0.107	27.443	0.044
27.468	-0.007	27.498	0.010	27.515	-0.005	27.533	-0.048
27.549	-0.048	27.564	-0.071	27.583	-0.031	27.600	-0.023
27.618	0.033	27.637	0.057	27.655	0.081	27.674	0.145
27.697	0.184	27.715	0.160	27.734	0.116	27.750	0.080
27.766	0.028	27.793	0.015	27.813	0.026	27.839	0.025
27.863	-0.000	27.885	-0.049	27.905	-0.074	27.926	-0.103
27.945	-0.120	27.965	-0.153	27.986	-0.166	28.008	-0.155
28.029	-0.068	28.051	-0.004	28.071	0.035	28.089	0.083
28.115	0.098	28.135	0.098	28.153	0.086	28.173	0.073
28.192	0.053	28.213	0.053	28.232	0.081	28.254	0.121
28.276	0.105	28.294	0.029	28.311	-0.075	28.332	-0.139
28.359	-0.075	28.381	-0.019	28.405	0.057	28.432	0.101
28.453	0.141	28.475	0.081	28.498	0.010	28.516	0.042
28.533	0.078	28.547	0.066	28.563	0.078	28.578	0.058
28.594	0.074	28.608	0.098	28.623	0.110	28.639	0.086
28.654	0.078	28.671	0.074	28.695	0.094	28.715	0.090
28.733	0.098	28.745	0.082	28.766	0.099	28.788	0.071
28.806	0.039	28.826	0.027	28.848	0.035	28.866	0.023
28.880	0.031	28.895	0.015	28.911	0.027	28.929	0.003
28.949	0.007	28.974	0.035	28.992	0.027	29.015	0.004
29.038	0.032	29.064	0.088	29.090	0.132	29.111	0.120
29.133	0.116	29.158	0.112	29.174	0.060	29.193	0.000
29.212	-0.064	29.230	-0.108	29.248	-0.144	29.268	-0.087
29.283	-0.032	29.303	-0.016	29.322	-0.008	29.345	-0.008
29.364	-0.004	29.384	-0.016	29.402	0.012	29.426	0.047
29.451	0.039	29.479	-0.025	29.510	-0.013	29.537	-0.018
29.567	-0.082	29.594	-0.054	29.618	0.010	29.645	0.050
29.675	0.026	29.703	0.034	29.726	0.002	29.752	-0.018
29.776	-0.046	29.800	0.018	29.822	0.070	29.852	0.046
29.881	0.006	29.905	-0.022	29.929	-0.022	29.952	0.054
29.982	0.106	30.010	0.106	30.035	0.070	30.059	-0.046
30.081	-0.118	30.110	-0.111	30.131	-0.091	30.148	-0.079
30.165	-0.080	30.183	-0.052	30.201	-0.056	30.215	-0.029
30.228	-0.009	30.241	-0.013	30.257	0.010	30.274	0.022
30.288	0.034	30.302	0.050	30.314	0.073	30.331	0.109
30.349	0.132	30.364	0.108	30.379	0.091	30.394	0.058
30.409	0.006	30.422	-0.034	30.436	-0.055	30.452	-0.103
30.464	-0.132	30.478	-0.164	30.493	-0.189	30.515	-0.181
30.534	-0.134	30.552	-0.071	30.570	-0.043	30.585	-0.008
30.607	0.036	30.627	0.083	30.645	0.123	30.665	0.154
30.692	0.198	30.713	0.205	30.734	0.161	30.753	0.092
30.770	0.032	30.790	-0.064	30.806	-0.140	30.824	-0.204
30.844	-0.220	30.864	-0.232	30.887	-0.231	30.912	-0.215
30.930	-0.155	30.951	-0.091	30.962	0.001	30.974	0.041

30.992	0.089	31.010	0.133	31.030	0.150	31.053	0.158
31.074	0.158	31.096	0.110	31.114	0.055	31.132	-0.013
31.157	-0.089	31.173	-0.133	31.188	-0.180	31.210	-0.196
31.233	-0.124	31.255	-0.072	31.274	-0.055	31.297	-0.039
31.322	-0.003	31.348	0.077	31.369	0.113	31.394	0.161
31.417	0.138	31.434	0.094	31.447	0.062	31.465	0.014
31.481	-0.014	31.494	-0.006	31.514	-0.014	31.531	-0.029
31.548	-0.037	31.565	-0.044	31.587	-0.056	31.601	-0.063
31.619	-0.083	31.639	-0.062	31.651	-0.038	31.661	-0.002
31.673	0.035	31.688	0.059	31.703	0.096	31.716	0.116
31.730	0.120	31.741	0.113	31.752	0.117	31.761	0.105
31.773	0.102	31.783	0.070	31.794	0.062	31.806	0.043
31.819	0.031	31.835	0.004	31.850	-0.016	31.870	-0.059
31.885	-0.059	31.904	-0.038	31.916	-0.046	31.930	-0.030
31.942	-0.021	31.954	-0.029	31.967	-0.028	31.978	-0.044
31.995	-0.031	32.007	-0.031	32.025	0.001	32.037	0.029
32.049	0.061	32.062	0.073	32.075	0.097	32.091	0.121
32.105	0.120	32.115	0.116	32.125	0.100	32.140	0.068
32.151	0.044	32.161	0.012	32.170	-0.020	32.186	-0.048
32.203	-0.045	32.221	-0.021	32.247	-0.006	32.269	0.005
32.289	0.021	32.296	0.013	32.303	0.009	32.311	0.001
32.319	-0.003	32.327	-0.007	32.338	0.018	32.349	0.042
32.359	0.062	32.375	0.067	32.384	0.067	32.397	0.063
32.410	0.056	32.426	0.064	32.442	0.052	32.459	0.045
32.476	0.033	32.488	0.013	32.504	0.029	32.519	0.041
32.539	0.041	32.556	0.029	32.566	0.013	32.582	-0.011
32.604	-0.027	32.621	-0.035	32.637	-0.043	32.658	-0.027
32.678	-0.008	32.693	0.012	32.708	0.008	32.723	0.023
32.735	0.015	32.748	0.011	32.757	0.014	32.776	0.006
32.798	0.005	32.818	0.012	32.835	0.024	32.850	0.031
32.867	0.026	32.892	0.009	32.903	0.005	32.919	-0.004
32.930	-0.012	32.943	-0.025	32.954	-0.045	32.963	-0.057
32.976	-0.074	32.988	-0.070	33.000	-0.062	33.014	-0.067
33.028	-0.079	33.040	-0.100	33.055	-0.112	33.070	-0.116
33.092	-0.113	33.109	-0.085	33.121	-0.073	33.135	-0.037
33.151	-0.021	33.163	0.011	33.177	0.019	33.189	0.039
33.200	0.051	33.216	0.059	33.233	0.055	33.245	0.047
33.260	0.035	33.270	0.027	33.281	0.014	33.299	0.038
33.314	0.050	33.328	0.070	33.341	0.058	33.355	0.041
33.370	0.025	33.383	0.001	33.397	-0.016	33.409	-0.032
33.422	-0.048	33.431	-0.068	33.440	-0.084	33.452	-0.112
33.467	-0.121	33.481	-0.125	33.502	-0.105	33.523	-0.081
33.541	-0.045	33.556	-0.022	33.571	0.002	33.590	0.034
33.603	0.058	33.615	0.098	33.626	0.122	33.644	0.146
33.661	0.153	33.676	0.157	33.688	0.161	33.701	0.168
33.711	0.164	33.726	0.152	33.745	0.124	33.757	0.104
33.766	0.080	33.774	0.052	33.787	0.040	33.801	0.028
33.814	0.008	33.829	-0.008	33.843	-0.040	33.855	-0.056
33.864	-0.068	33.877	-0.084	33.888	-0.096	33.898	-0.115
33.915	-0.095	33.932	-0.079	33.945	-0.054	33.964	-0.038
33.979	-0.026	33.996	0.007	34.010	0.027	34.022	0.051
34.035	0.091	34.046	0.112	34.060	0.116	34.072	0.116
34.085	0.100	34.097	0.080	34.111	0.052	34.123	0.020
34.134	0.000	34.147	-0.012	34.163	-0.011	34.184	-0.011
34.200	-0.011	34.221	0.001	34.233	0.021	34.252	0.029
34.265	0.029	34.289	0.017	34.303	0.005	34.319	0.001

34.333	-0.007	34.348	-0.015	34.364	-0.014	34.383	-0.006
34.393	-0.010	34.409	-0.026	34.433	-0.022	34.454	-0.006
34.469	-0.003	34.489	0.001	34.505	0.004	34.521	0.012
34.537	0.016	34.551	0.024	34.561	0.024	34.578	0.016
34.595	0.004	34.614	0.007	34.633	0.016	34.653	0.052
34.668	0.076	34.684	0.089	34.703	0.089	34.722	0.085
34.741	0.069	34.759	0.057	34.778	0.053	34.790	0.053
34.803	0.053	34.820	0.045	34.833	0.021	34.847	0.005
34.862	-0.015	34.880	-0.020	34.898	-0.028	34.916	-0.044
34.931	-0.056	34.947	-0.064	34.964	-0.076	34.982	-0.065
34.999	-0.049	35.020	-0.029	35.038	-0.024	35.050	-0.020
35.067	-0.012	35.090	0.005	35.107	0.013	35.123	0.033
35.136	0.049	35.150	0.065	35.162	0.077	35.180	0.082
35.194	0.070	35.209	0.050	35.227	0.018	35.243	0.006
35.260	-0.022	35.275	-0.034	35.289	-0.046	35.303	-0.070
35.324	-0.081	35.344	-0.090	35.360	-0.094	35.376	-0.102
35.384	-0.102	35.396	-0.078	35.413	-0.066	35.428	-0.058
35.437	-0.050	35.454	-0.054	35.471	-0.062	35.493	-0.042
35.514	-0.011	35.533	0.021	35.549	0.033	35.561	0.044
35.581	0.048	35.598	0.052	35.611	0.043	35.630	0.043
35.647	0.039	35.665	0.022	35.677	0.022	35.695	0.022
35.708	0.010	35.722	-0.007	35.736	-0.019	35.749	-0.035
35.767	-0.027	35.782	-0.032	35.797	-0.032	35.810	-0.044
35.824	-0.064	35.844	-0.072	35.862	-0.073	35.879	-0.061
35.894	-0.065	35.915	-0.065	35.939	-0.057	35.953	-0.041
35.966	-0.029	35.983	-0.025	36.000	-0.013	36.018	0.003
36.030	0.019	36.045	0.035	36.066	0.043	36.075	0.063
36.093	0.071	36.107	0.067	36.126	0.055	36.146	0.027
36.163	0.015	36.181	0.007	36.200	0.019	36.214	0.015
36.230	0.015	36.239	0.035	36.254	0.023	36.272	0.015
36.288	-0.001	36.311	-0.017	36.335	-0.030	36.357	-0.030
36.381	-0.026	36.393	-0.030	36.407	-0.018	36.425	-0.026
36.443	-0.018	36.460	-0.026	36.479	-0.030	36.497	-0.018
36.520	0.005	36.538	0.017	36.553	0.025	36.566	0.041
36.580	0.033	36.598	0.041	36.616	0.049	36.634	0.037
36.647	0.025	36.652	0.013	36.664	0.001	36.676	0.001
36.691	0.005	36.702	0.005	36.712	0.021	36.730	0.005
36.746	0.001	36.761	0.005	36.778	0.013	36.788	0.033
36.800	0.057	36.817	0.061	36.832	0.076	36.847	0.068
36.865	0.056	36.877	0.047	36.889	0.035	36.904	0.019
36.923	0.011	36.940	0.018	36.952	0.034	36.962	0.046
36.980	0.053	36.998	0.053	37.007	0.048	37.024	0.044
37.043	0.039	37.061	0.039	37.084	0.022	37.102	0.001
37.117	-0.003	37.130	-0.020	37.145	-0.032	37.164	-0.040
37.182	-0.032	37.203	-0.021	37.219	0.003	37.234	0.015
37.247	0.039	37.264	0.047	37.280	0.059	37.297	0.067
37.311	0.067	37.323	0.075	37.338	0.059	37.355	0.043
37.374	0.031	37.390	0.011	37.404	-0.001	37.414	-0.013
37.430	-0.029	37.447	-0.025	37.467	-0.022	37.481	-0.018
37.500	-0.018	37.516	-0.018	37.531	-0.010	37.541	0.010
37.557	0.006	37.572	0.018	37.587	0.005	37.604	0.001
37.620	-0.003	37.638	-0.007	37.655	-0.016	37.670	-0.008
37.685	0.016	37.698	0.024	37.709	0.047	37.722	0.031
37.737	0.023	37.745	0.047	37.760	0.039	37.773	0.031
37.785	0.031	37.807	-0.001	37.821	-0.021	37.834	-0.041
37.846	-0.061	37.860	-0.073	37.872	-0.081	37.893	-0.081

37.907	-0.065	37.921	-0.057	37.938	-0.049	37.951	-0.037
37.971	-0.038	37.982	-0.034	37.995	-0.038	38.005	-0.034
38.019	-0.034	38.033	-0.030	38.045	-0.010	38.057	-0.022
38.065	-0.014	38.077	0.014	38.093	0.006	38.104	0.006
38.118	0.006	38.137	-0.006	38.171	-0.014	38.186	-0.014
38.203	-0.010	38.219	-0.014	38.229	-0.014	38.243	-0.018
38.258	-0.037	38.276	-0.045	38.293	-0.057	38.309	-0.065
38.330	-0.064	38.351	-0.061	38.373	-0.053	38.387	-0.041
38.402	-0.037	38.417	-0.033	38.433	-0.037	38.449	-0.034
38.467	-0.042	38.487	-0.038	38.511	-0.031	38.530	-0.019
38.548	-0.019	38.563	-0.007	38.574	0.005	38.593	0.001
38.613	0.001	38.629	0.013	38.645	0.029	38.659	0.037
38.672	0.048	38.693	0.036	38.710	0.028	38.728	0.012
38.746	0.004	38.761	0.004	38.781	-0.008	38.795	-0.000
38.812	0.004	38.830	-0.012	38.844	-0.020	38.856	-0.040
38.872	-0.052	38.888	-0.048	38.903	-0.048	38.924	-0.043
38.942	-0.023	38.961	-0.003	38.979	0.022	38.996	0.038
39.009	0.046	39.020	0.070	39.044	0.062	39.056	0.050
39.071	0.037	39.090	0.029	39.106	0.021	39.127	0.005
39.138	-0.007	39.157	-0.027	39.178	-0.019	39.203	-0.006
39.220	0.010	39.237	0.015	39.257	0.031	39.273	0.032
39.285	0.025	39.298	0.013	39.322	-0.010	39.340	-0.017
39.360	-0.045	39.379	-0.036	39.399	-0.028	39.415	-0.004
39.433	-0.012	39.457	-0.012	39.471	-0.016	39.482	-0.017
39.492	-0.005	39.506	-0.013	39.531	0.003	39.549	0.015
39.568	0.035	39.579	0.063	39.603	0.059	39.614	0.055
39.632	0.035	39.652	0.019	39.673	0.003	39.693	-0.009
39.713	-0.016	39.730	-0.032	39.746	-0.044	39.769	-0.064
39.789	-0.052	39.808	-0.048	39.817	-0.031	39.838	-0.035
39.855	-0.039	39.874	-0.039	39.893	-0.011	39.915	0.017
39.927	0.029	39.938	0.053	39.957	0.053	39.973	0.045
39.987	0.037	40.002	0.033	40.012	0.033	40.028	0.041
40.045	0.032	40.066	0.028	40.086	0.020	40.104	0.016
40.120	0.004	40.138	-0.009	40.150	-0.021	40.166	-0.037
40.182	-0.054	40.199	-0.054	40.216	-0.055	40.235	-0.055
40.251	-0.047	40.267	-0.024	40.288	-0.016	40.311	-0.005
40.319	0.003	40.331	0.011	40.346	0.023	40.360	0.011
40.376	-0.000	40.390	-0.000	40.405	0.000	40.423	0.009
40.443	0.001	40.459	-0.003	40.475	0.002	40.491	0.002
40.505	-0.002	40.527	-0.018	40.544	-0.034	40.557	-0.054
40.573	-0.066	40.597	-0.062	40.620	-0.058	40.640	-0.050
40.660	-0.031	40.684	-0.023	40.702	-0.016	40.722	-0.013
40.744	0.003	40.759	0.010	40.771	0.022	40.780	0.038
40.800	0.029	40.819	0.025	40.836	0.025	40.852	0.013
40.868	0.009	40.888	0.001	40.900	-0.011	40.918	-0.019
40.934	-0.027	40.956	-0.031	40.978	-0.035	41.000	-0.035
41.019	-0.023	41.037	-0.015	41.054	0.001	41.076	0.005
41.096	0.009	41.118	0.013	41.135	0.017	41.153	0.013
41.172	0.009	41.193	0.005	41.211	-0.003	41.232	0.002
41.254	0.010	41.276	0.022	41.290	0.030	41.311	0.039
41.332	0.035	41.350	0.019	41.367	0.003	41.380	-0.005
41.402	-0.008	41.418	-0.001	41.437	0.011	41.455	0.015
41.469	0.035	41.490	0.039	41.514	0.043	41.532	0.047
41.549	0.055	41.568	0.051	41.582	0.042	41.598	0.034
41.620	0.041	41.640	0.041	41.654	0.041	41.672	0.016
41.681	0.012	41.696	0.004	41.714	-0.004	41.729	-0.009

41.747	-0.009	41.761	-0.009	41.787	0.003	41.807	0.007
41.816	0.019	41.832	0.023	41.846	0.031	41.857	0.043
41.868	0.039	41.885	0.035	41.895	0.023	41.903	0.011
41.918	0.010	41.943	0.022	41.958	0.026	41.966	0.046
41.984	0.042	42.000	0.034	42.020	0.034	42.037	0.033
42.048	0.033	42.065	0.013	42.086	-0.007	42.108	-0.016
42.128	-0.020	42.143	-0.028	42.155	-0.032	42.169	-0.020
42.189	-0.024	42.205	-0.016	42.217	-0.012	42.234	-0.008
42.243	0.000	42.256	-0.012	42.279	-0.015	42.294	-0.015
42.311	-0.015	42.327	-0.014	42.344	-0.014	42.356	0.002
42.373	-0.013	42.390	-0.021	42.407	-0.024	42.429	-0.033
42.451	-0.025	42.468	-0.021	42.476	-0.009	42.494	-0.017
42.514	-0.029	42.535	-0.030	42.553	-0.034	42.571	-0.030
42.589	-0.030	42.606	-0.034	42.625	-0.030	42.642	-0.022
42.656	-0.013	42.668	-0.005	42.676	0.003	42.702	0.004
42.711	0.004	42.725	0.004	42.740	0.005	42.755	0.005
42.767	0.009	42.780	0.010	42.792	0.006	42.803	0.006
42.810	-0.002	42.837	-0.002	42.864	0.007	42.888	-0.001
42.916	-0.021	42.945	-0.037	42.970	-0.037	42.996	-0.033
43.027	-0.021	43.057	-0.036	43.080	-0.040	43.105	-0.029
43.136	-0.005	43.168	0.007	43.190	0.019	43.208	0.027
43.227	0.039	43.254	0.027	43.281	-0.001	43.311	-0.025
43.338	-0.037	43.369	-0.041	43.394	-0.029	43.413	-0.013
43.428	0.003	43.448	0.003	43.466	0.027	43.493	0.011
43.527	0.007	43.556	-0.013	43.577	-0.029	43.595	-0.017
43.616	-0.016	43.633	-0.008	43.652	-0.008	43.672	0.020
43.701	0.033	43.723	0.021	43.749	-0.003	43.777	-0.034
43.802	-0.046	43.820	-0.042	43.837	-0.033	43.855	-0.029
43.874	-0.013	43.891	-0.009	43.911	0.008	43.941	-0.008
43.969	-0.020	43.987	-0.023	44.009	-0.011	44.030	0.001
44.058	0.002	44.088	-0.010	44.118	-0.018	44.145	-0.013
44.161	-0.005	44.180	-0.013	44.196	0.003	44.216	-0.004
44.235	0.003	44.254	0.003	44.284	0.015	44.308	0.019
44.329	0.035	44.351	0.015	44.371	0.015	44.393	-0.005
44.426	-0.009	44.455	-0.021	44.479	-0.021	44.497	-0.005
44.515	-0.017	44.532	0.007	44.553	-0.014	44.573	0.002
44.598	-0.010	44.628	-0.006	44.649	-0.007	44.664	0.009
44.680	0.001	44.699	0.013	44.719	-0.003	44.739	0.009
44.760	-0.016	44.790	-0.032	44.818	-0.044	44.843	-0.036
44.865	-0.016	44.886	-0.012	44.908	0.020	44.940	0.020
44.969	0.024	44.998	0.004	45.017	-0.024	45.040	-0.016
45.060	-0.048	45.086	-0.048	45.116	-0.056	45.143	-0.056
45.170	-0.036	45.199	-0.000	45.221	0.016	45.253	0.024
45.281	0.028	45.305	0.008	45.330	0.016	45.360	-0.012
45.382	-0.012	45.414	-0.004	45.435	-0.008	45.461	-0.008
45.498	-0.011	45.535	-0.020	45.570	-0.012	45.604	0.004
45.632	0.004	45.662	0.016	45.699	0.023	45.731	0.027
45.754	0.019	45.775	0.023	45.806	0.015	45.836	-0.013
45.866	-0.018	45.899	-0.010	45.935	0.002	45.964	-0.003
45.992	0.005	46.022	0.025	46.055	0.037	46.089	0.040
46.117	0.044	46.141	0.044	46.168	0.028	46.207	0.003
46.240	-0.017	46.267	-0.017	46.304	-0.017	46.337	-0.009
46.369	0.003	46.400	0.023	46.436	0.039	46.473	0.039
46.503	0.035	46.538	0.019	46.573	0.019	46.601	0.019
46.635	0.007	46.666	-0.009	46.698	0.003	46.732	0.011
46.764	0.023	46.789	0.019	46.807	0.019	46.832	0.007

46.859	0.002	46.894	0.002	46.926	0.018	46.959	0.018
46.996	0.018	47.029	0.018	47.057	0.030	47.089	0.018
47.126	0.002	47.162	-0.014	47.191	-0.014	47.234	-0.015
47.268	-0.007	47.296	0.001	47.325	-0.007	47.355	-0.019
47.384	-0.015	47.414	-0.015	47.451	0.008	47.476	0.028
47.510	0.031	47.539	0.031	47.569	0.007	47.596	-0.014
47.632	-0.026	47.663	-0.034	47.694	-0.042	47.724	-0.038
47.748	-0.038	47.771	-0.050	47.800	-0.050	47.829	-0.042
47.865	-0.018	47.889	0.010	47.913	0.019	47.941	0.007
47.972	-0.012	48.002	-0.016	48.030	-0.007	48.057	0.009
48.077	0.009	48.103	0.014	48.136	0.002	48.169	-0.013
48.199	-0.017	48.225	-0.017	48.257	-0.016	48.291	-0.000
48.330	-0.036	48.361	-0.019				

IG114
71.064 2/9/71 0600PST PALMDALE FIRE STA. STORAGE ROOM S60E

4019 POINTS 57.666 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1998 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.056	0.004	0.012	0.011	-0.019	0.015	-0.055
0.020	-0.087	0.026	-0.059	0.026	-0.012	0.029	0.044
0.033	0.099	0.037	0.131	0.041	0.170	0.048	0.186
0.052	0.170	0.057	0.138	0.061	0.083	0.065	0.023
0.070	-0.036	0.076	-0.076	0.080	-0.112	0.083	-0.156
0.092	-0.192	0.096	-0.192	0.096	-0.192	0.098	-0.168
0.104	-0.164	0.108	-0.172	0.110	-0.188	0.115	-0.200
0.117	-0.184	0.122	-0.172	0.128	-0.137	0.132	-0.121
0.135	-0.101	0.138	-0.073	0.143	-0.042	0.148	-0.002
0.151	-0.006	0.155	-0.022	0.159	-0.038	0.165	-0.054
0.169	-0.078	0.175	-0.066	0.179	-0.054	0.183	-0.051
0.187	-0.059	0.194	-0.039	0.196	-0.003	0.203	0.028
0.207	0.064	0.210	0.100	0.214	0.127	0.219	0.155
0.222	0.187	0.227	0.210	0.232	0.222	0.235	0.198
0.242	0.174	0.245	0.151	0.249	0.123	0.257	0.126
0.265	0.095	0.268	0.059	0.274	0.007	0.281	-0.056
0.289	-0.080	0.293	-0.096	0.299	-0.131	0.302	-0.171
0.306	-0.207	0.312	-0.235	0.316	-0.254	0.321	-0.262
0.325	-0.250	0.331	-0.234	0.336	-0.207	0.340	-0.167
0.344	-0.135	0.349	-0.111	0.355	-0.103	0.360	-0.119
0.367	-0.143	0.372	-0.115	0.376	-0.087	0.385	-0.056
0.393	-0.020	0.394	-0.012	0.397	0.056	0.400	0.095
0.403	0.123	0.409	0.104	0.414	0.068	0.420	-0.015
0.423	-0.082	0.430	-0.106	0.438	-0.097	0.444	-0.069
0.450	-0.085	0.458	-0.124	0.461	-0.136	0.465	-0.140
0.466	-0.112	0.471	-0.084	0.475	-0.037	0.480	0.019
0.487	0.051	0.493	0.111	0.497	0.143	0.503	0.191
0.509	0.227	0.511	0.242	0.514	0.215	0.520	0.148
0.523	0.100	0.527	0.017	0.531	-0.034	0.537	-0.090
0.541	-0.125	0.546	-0.129	0.552	-0.113	0.557	-0.097
0.565	-0.085	0.572	-0.084	0.581	-0.095	0.586	-0.071
0.595	-0.043	0.601	-0.035	0.605	-0.054	0.612	-0.078
0.617	-0.078	0.623	-0.057	0.631	-0.021	0.636	0.011
0.646	0.043	0.652	0.040	0.654	0.012	0.659	-0.039
0.663	-0.087	0.667	-0.146	0.674	-0.205	0.679	-0.233
0.686	-0.248	0.691	-0.220	0.696	-0.176	0.703	-0.092
0.709	-0.009	0.716	0.067	0.720	0.119	0.725	0.159
0.732	0.207	0.738	0.239	0.748	0.267	0.754	0.232
0.759	0.188	0.762	0.137	0.765	0.085	0.773	0.026
0.778	-0.009	0.789	-0.056	0.801	-0.091	0.811	-0.115

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.819	-0.138	0.831	-0.125	0.839	-0.189	0.842	-0.153
0.845	-0.117	0.851	-0.057	0.855	-0.017	0.859	0.015
0.864	0.031	0.870	0.011	0.878	-0.024	0.884	-0.052
0.890	-0.028	0.893	0.004	0.903	0.024	0.909	0.000
0.913	-0.032	0.918	-0.063	0.928	-0.095	0.929	-0.095
0.937	-0.095	0.943	-0.071	0.956	-0.046	0.961	-0.062
0.966	-0.086	0.972	-0.122	0.978	-0.145	0.985	-0.117
0.994	-0.085	0.996	-0.046	1.004	0.050	1.011	0.145
1.013	0.197	1.022	0.205	1.030	0.177	1.040	0.118
1.050	0.043	1.061	0.003	1.072	0.026	1.084	-0.021
1.095	-0.061	1.100	-0.069	1.108	-0.054	1.119	0.005
1.130	0.089	1.137	0.136	1.142	0.096	1.153	-0.245
1.161	-0.555	1.165	-0.809	1.169	-0.888	1.175	-0.972
1.176	-1.015	1.183	-1.059	1.187	-1.027	1.194	-0.976
1.194	-0.873	1.197	-0.702	1.202	-0.437	1.211	-0.024
1.213	0.142	1.216	0.245	1.218	0.356	1.224	0.507
1.225	0.507	1.226	0.507	1.229	0.725	1.232	0.768
1.241	0.729	1.247	0.637	1.251	0.518	1.251	0.399
1.255	0.252	1.259	0.121	1.266	0.018	1.268	-0.057
1.277	-0.105	1.279	-0.045	1.287	0.069	1.292	0.311
1.294	0.482	1.300	0.672	1.301	0.827	1.307	0.926
1.309	1.005	1.313	1.073	1.320	1.100	1.324	1.057
1.330	0.922	1.332	0.830	1.335	0.703	1.339	0.453
1.344	0.203	1.350	-0.122	1.354	-0.281	1.359	-0.479
1.364	-0.642	1.365	-0.753	1.370	-0.824	1.376	-0.888
1.384	-0.844	1.390	-0.690	1.397	-0.511	1.402	-0.337
1.405	-0.190	1.412	-0.099	1.416	-0.012	1.421	0.044
1.429	-0.000	1.434	-0.080	1.439	-0.218	1.444	-0.334
1.449	-0.457	1.456	-0.568	1.463	-0.643	1.472	-0.691
1.479	-0.663	1.487	-0.591	1.492	-0.516	1.496	-0.417
1.501	-0.305	1.508	-0.202	1.511	-0.123	1.516	-0.075
1.520	-0.039	1.531	-0.071	1.535	-0.130	1.541	-0.194
1.548	-0.233	1.553	-0.193	1.557	-0.110	1.564	0.045
1.573	0.216	1.579	0.347	1.585	0.402	1.595	0.434
1.601	0.403	1.611	0.375	1.616	0.391	1.623	0.403
1.630	0.364	1.639	0.304	1.643	0.217	1.650	0.102
1.655	0.015	1.662	-0.112	1.671	-0.211	1.675	-0.238
1.680	-0.195	1.687	-0.131	1.694	-0.071	1.702	-0.040
1.710	0.000	1.719	0.048	1.724	0.131	1.731	0.215
1.738	0.278	1.744	0.362	1.751	0.405	1.760	0.382

1.766	0.322	1.771	0.231	1.776	0.120	1.779	0.017
1.783	-0.094	1.787	-0.213	1.791	-0.340	1.796	-0.423
1.801	-0.482	1.806	-0.514	1.814	-0.462	1.821	-0.399
1.825	-0.248	1.830	-0.073	1.835	0.125	1.839	0.284
1.842	0.419	1.846	0.574	1.849	0.685	1.853	0.728
1.858	0.792	1.863	0.812	1.866	0.752	1.871	0.618
1.881	0.348	1.888	0.094	1.894	-0.100	1.901	-0.223
1.908	-0.302	1.913	-0.334	1.917	-0.302	1.925	-0.230
1.931	-0.100	1.938	0.079	1.946	0.266	1.951	0.409
1.960	0.536	1.964	0.607	1.968	0.647	1.983	0.615
1.994	0.556	2.008	0.489	2.018	0.397	2.037	0.290
2.047	0.227	2.052	0.112	2.060	-0.066	2.066	-0.249
2.071	-0.411	2.079	-0.586	2.087	-0.760	2.091	-0.828
2.099	-0.895	2.107	-0.855	2.114	-0.760	2.122	-0.625
2.129	-0.486	2.136	-0.332	2.146	-0.133	2.156	0.077
2.168	0.236	2.180	0.339	2.187	0.395	2.194	0.367
2.200	0.308	2.218	0.173	2.241	0.177	2.256	0.173
2.273	0.197	2.283	0.157	2.294	0.054	2.308	-0.065
2.318	-0.101	2.322	-0.069	2.331	0.015	2.339	0.149
2.343	0.221	2.350	0.253	2.356	0.221	2.360	0.138
2.370	-0.088	2.387	-0.318	2.394	-0.461	2.406	-0.640
2.419	-0.890	2.423	-0.945	2.429	-0.965	2.434	-0.921
2.437	-0.798	2.447	-0.501	2.452	-0.302	2.452	-0.148
2.457	-0.013	2.460	0.114	2.463	0.198	2.465	0.253
2.470	0.285	2.475	0.245	2.480	0.142	2.487	-0.021
2.491	-0.274	2.498	-0.524	2.501	-0.711	2.505	-0.862
2.508	-0.949	2.512	-1.020	2.521	-1.100	2.527	-1.072
2.535	-0.957	2.543	-0.731	2.547	-0.501	2.559	-0.310
2.561	-0.171	2.571	-0.005	2.573	0.047	2.581	0.083
2.586	0.039	2.594	-0.084	2.604	-0.318	2.612	-0.564
2.618	-0.735	2.626	-0.854	2.628	-0.901	2.635	-0.933
2.640	-0.881	2.648	-0.758	2.657	-0.505	2.667	-0.278
2.674	-0.032	2.683	0.241	2.693	0.467	2.701	0.610
2.706	0.670	2.712	0.693	2.721	0.630	2.723	0.519
2.728	0.332	2.737	0.178	2.743	0.102	2.748	0.166
2.756	0.277	2.759	0.420	2.765	0.578	2.769	0.769
2.777	0.872	2.781	0.975	2.788	1.047	2.797	1.074
2.801	1.035	2.807	0.888	2.812	0.721	2.820	0.408
2.827	0.250	2.831	0.123	2.839	-0.028	2.848	-0.191
2.849	-0.210	2.857	-0.258	2.862	-0.183	2.870	0.004
2.874	0.242	2.879	0.436	2.882	0.619	2.887	0.785
2.891	0.885	2.897	0.952	2.902	0.992	2.907	0.956
2.914	0.877	2.921	0.778	2.926	0.683	2.932	0.623
2.937	0.607	2.944	0.639	2.949	0.710	2.956	0.814
2.962	0.897	2.968	0.956	2.973	0.984	2.984	0.937
2.992	0.861	3.001	0.735	3.010	0.616	3.018	0.489
3.028	0.406	3.048	0.306	3.063	0.247	3.072	0.156
3.082	-0.086	3.091	-0.300	3.101	-0.562	3.104	-0.717
3.110	-0.851	3.113	-0.962	3.119	-1.058	3.128	-1.109
3.135	-1.061	3.144	-0.958	3.150	-0.851	3.158	-0.704
3.165	-0.569	3.176	-0.458	3.188	-0.386	3.196	-0.327
3.202	-0.287	3.206	-0.204	3.212	-0.152	3.221	-0.101
3.225	-0.101	3.232	-0.180	3.244	-0.263	3.246	-0.299
3.254	-0.243	3.262	-0.060	3.274	0.197	3.280	0.400
3.289	0.638	3.297	0.828	3.301	0.896	3.307	0.944
3.314	0.959	3.318	0.936	3.323	0.844	3.330	0.718

3.338	0.484	3.343	0.218	3.348	0.083	3.355	-0.016
3.360	-0.064	3.365	-0.099	3.370	-0.059	3.375	0.024
3.379	0.107	3.387	0.183	3.392	0.242	3.400	0.250
3.408	0.210	3.414	0.143	3.425	0.028	3.433	-0.135
3.441	-0.294	3.447	-0.373	3.454	-0.401	3.457	-0.349
3.462	-0.262	3.467	-0.103	3.473	0.099	3.479	0.246
3.484	0.388	3.489	0.476	3.496	0.587	3.504	0.670
3.509	0.709	3.521	0.670	3.526	0.559	3.530	0.384
3.539	0.086	3.547	-0.179	3.556	-0.398	3.571	-0.616
3.582	-0.707	3.591	-0.759	3.600	-0.731	3.614	-0.696
3.623	-0.672	3.632	-0.688	3.636	-0.716	3.643	-0.724
3.652	-0.704	3.662	-0.696	3.670	-0.740	3.678	-0.767
3.684	-0.779	3.691	-0.744	3.695	-0.688	3.700	-0.550
3.705	-0.411	3.713	-0.276	3.718	-0.197	3.725	-0.117
3.730	-0.078	3.736	-0.062	3.747	-0.082	3.755	-0.138
3.761	-0.277	3.770	-0.427	3.777	-0.535	3.783	-0.658
3.791	-0.733	3.799	-0.761	3.805	-0.741	3.816	-0.658
3.827	-0.591	3.844	-0.551	3.853	-0.500	3.864	-0.413
3.872	-0.337	3.884	-0.302	3.892	-0.341	3.897	-0.429
3.904	-0.508	3.909	-0.560	3.915	-0.580	3.922	-0.524
3.929	-0.433	3.934	-0.346	3.938	-0.239	3.948	-0.144
3.954	-0.064	3.966	0.078	3.976	0.174	3.984	0.213
3.989	0.225	3.994	0.193	3.999	0.118	4.005	-0.009
4.010	-0.124	4.016	-0.275	4.023	-0.422	4.030	-0.564
4.038	-0.648	4.042	-0.668	4.048	-0.676	4.055	-0.648
4.066	-0.553	4.070	-0.442	4.074	-0.331	4.082	-0.208
4.089	-0.136	4.096	-0.097	4.109	-0.109	4.116	-0.109
4.127	-0.065	4.132	0.026	4.139	0.141	4.149	0.268
4.154	0.355	4.164	0.407	4.174	0.391	4.188	0.347
4.196	0.315	4.207	0.311	4.221	0.315	4.237	0.335
4.250	0.378	4.261	0.390	4.273	0.366	4.282	0.322
4.287	0.314	4.292	0.366	4.304	0.421	4.311	0.473
4.325	0.480	4.329	0.476	4.340	0.464	4.351	0.413
4.367	0.289	4.380	0.162	4.394	0.023	4.404	-0.032
4.409	-0.005	4.418	0.039	4.420	0.154	4.427	0.305
4.433	0.416	4.438	0.547	4.446	0.614	4.459	0.689
4.469	0.733	4.477	0.701	4.487	0.637	4.490	0.510
4.499	0.379	4.508	0.288	4.519	0.332	4.526	0.415
4.533	0.490	4.541	0.510	4.546	0.534	4.555	0.506
4.565	0.426	4.577	0.303	4.593	0.200	4.605	0.137
4.616	0.148	4.625	0.156	4.636	0.101	4.645	0.061
4.660	-0.015	4.668	-0.106	4.676	-0.201	4.682	-0.233
4.688	-0.261	4.696	-0.213	4.701	-0.118	4.713	0.049
4.723	0.223	4.732	0.350	4.737	0.421	4.747	0.453
4.755	0.401	4.762	0.342	4.771	0.255	4.778	0.215
4.784	0.270	4.793	0.362	4.799	0.469	4.806	0.540
4.813	0.580	4.822	0.524	4.830	0.373	4.835	0.203
4.842	-0.019	4.849	-0.238	4.856	-0.412	4.862	-0.563
4.871	-0.622	4.876	-0.650	4.882	-0.607	4.887	-0.531
4.894	-0.388	4.902	-0.230	4.909	-0.083	4.914	0.040
4.920	0.143	4.929	0.242	4.942	0.357	4.946	0.409
4.953	0.516	4.962	0.611	4.967	0.643	4.975	0.659
4.983	0.600	4.991	0.504	4.999	0.429	5.006	0.270
5.014	0.132	5.021	0.064	5.027	0.025	5.035	0.064
5.050	0.116	5.053	0.136	5.064	0.144	5.072	0.112
5.080	0.041	5.088	-0.055	5.098	-0.158	5.109	-0.245

5.121	-0.312	5.136	-0.399	5.151	-0.483	5.162	-0.597
5.165	-0.657	5.171	-0.716	5.176	-0.736	5.183	-0.676
5.188	-0.617	5.195	-0.502	5.200	-0.367	5.207	-0.248
5.213	-0.144	5.220	-0.081	5.228	-0.065	5.238	-0.124
5.245	-0.183	5.257	-0.286	5.266	-0.385	5.276	-0.456
5.286	-0.508	5.297	-0.464	5.315	-0.404	5.323	-0.337
5.329	-0.265	5.336	-0.197	5.343	-0.134	5.353	-0.098
5.359	-0.134	5.367	-0.185	5.371	-0.236	5.376	-0.252
5.386	-0.216	5.394	-0.161	5.396	-0.129	5.403	-0.117
5.410	-0.172	5.420	-0.315	5.427	-0.465	5.438	-0.616
5.449	-0.751	5.460	-0.905	5.468	-1.024	5.475	-1.115
5.484	-1.155	5.487	-1.179	5.494	-1.131	5.509	-1.024
5.525	-0.901	5.539	-0.754	5.552	-0.615	5.563	-0.476
5.571	-0.353	5.581	-0.190	5.589	-0.023	5.595	0.104
5.605	0.211	5.613	0.243	5.623	0.152	5.630	0.017
5.640	-0.161	5.652	-0.364	5.661	-0.467	5.668	-0.534
5.677	-0.558	5.688	-0.498	5.700	-0.443	5.714	-0.403
5.721	-0.340	5.727	-0.260	5.735	-0.133	5.748	0.089
5.757	0.232	5.766	0.398	5.778	0.585	5.786	0.724
5.794	0.819	5.803	0.882	5.810	0.827	5.820	0.755
5.835	0.557	5.846	0.379	5.858	0.240	5.865	0.153
5.877	0.018	5.885	-0.034	5.891	-0.061	5.900	-0.006
5.903	0.081	5.911	0.212	5.918	0.244	5.931	0.264
5.941	0.217	5.949	0.153	5.954	0.050	5.958	-0.109
5.964	-0.279	5.970	-0.505	5.977	-0.688	5.983	-0.870
5.987	-0.969	5.994	-1.005	5.996	-1.037	6.002	-0.989
6.008	-0.902	6.011	-0.794	6.018	-0.608	6.021	-0.406
6.029	-0.025	6.038	0.320	6.042	0.507	6.048	0.614
6.053	0.693	6.060	0.721	6.069	0.634	6.077	0.511
6.087	0.396	6.107	0.289	6.115	0.249	6.122	0.234
6.129	0.277	6.138	0.349	6.150	0.436	6.164	0.515
6.174	0.579	6.193	0.504	6.204	0.393	6.210	0.290
6.217	0.163	6.233	0.068	6.243	0.028	6.249	0.012
6.259	0.064	6.266	0.195	6.274	0.393	6.283	0.536
6.290	0.623	6.301	0.719	6.312	0.810	6.317	0.846
6.325	0.862	6.333	0.806	6.338	0.727	6.345	0.592
6.353	0.410	6.363	0.267	6.368	0.188	6.377	0.144
6.385	0.208	6.394	0.307	6.399	0.406	6.408	0.577
6.418	0.728	6.429	0.839	6.436	0.894	6.449	0.906
6.459	0.823	6.468	0.601	6.473	0.379	6.478	0.208
6.484	-0.014	6.491	-0.287	6.504	-0.549	6.511	-0.767
6.518	-0.866	6.526	-0.918	6.534	-0.866	6.539	-0.751
6.545	-0.521	6.548	-0.342	6.553	-0.215	6.556	-0.124
6.560	-0.021	6.563	0.015	6.571	0.031	6.577	-0.017
6.586	-0.152	6.592	-0.358	6.601	-0.524	6.608	-0.639
6.618	-0.695	6.621	-0.719	6.631	-0.631	6.639	-0.492
6.648	-0.361	6.657	-0.207	6.663	-0.080	6.674	-0.016
6.683	0.032	6.692	0.008	6.701	0.008	6.710	0.056
6.719	0.147	6.725	0.266	6.731	0.349	6.739	0.401
6.749	0.445	6.758	0.397	6.762	0.389	6.768	0.302
6.777	0.092	6.783	-0.027	6.796	-0.146	6.807	-0.170
6.816	-0.177	6.823	-0.126	6.829	-0.035	6.836	0.089
6.842	0.235	6.848	0.311	6.856	0.319	6.860	0.291
6.865	0.188	6.873	0.045	6.883	-0.058	6.891	-0.070
6.902	-0.101	6.910	-0.093	6.917	-0.054	6.924	-0.014
6.930	0.026	6.935	0.026	6.942	-0.010	6.948	-0.105

6.956	-0.236	6.966	-0.331	6.976	-0.343	6.987	-0.323
6.999	-0.295	7.006	-0.291	7.016	-0.314	7.026	-0.346
7.036	-0.326	7.045	-0.278	7.051	-0.223	7.058	-0.143
7.070	-0.060	7.076	-0.020	7.086	-0.060	7.094	-0.115
7.105	-0.179	7.113	-0.230	7.122	-0.250	7.129	-0.202
7.136	-0.123	7.143	-0.016	7.153	0.131	7.164	0.254
7.174	0.298	7.189	0.278	7.201	0.210	7.221	0.075
7.235	-0.032	7.253	-0.072	7.267	-0.207	7.280	-0.318
7.300	-0.365	7.314	-0.425	7.326	-0.437	7.335	-0.393
7.355	-0.287	7.369	-0.255	7.393	-0.172	7.405	-0.069
7.418	0.030	7.431	0.125	7.446	0.128	7.466	0.108
7.488	0.088	7.501	0.120	7.521	0.167	7.530	0.171
7.543	0.111	7.549	-0.004	7.558	-0.075	7.573	-0.182
7.581	-0.258	7.589	-0.270	7.595	-0.234	7.604	-0.135
7.616	-0.044	7.622	-0.016	7.634	-0.052	7.643	-0.143
7.651	-0.318	7.660	-0.488	7.671	-0.635	7.677	-0.687
7.684	-0.707	7.692	-0.667	7.702	-0.572	7.707	-0.461
7.716	-0.326	7.724	-0.144	7.732	0.031	7.743	0.206
7.750	0.325	7.765	0.440	7.777	0.444	7.789	0.396
7.808	0.309	7.822	0.190	7.835	0.091	7.848	0.107
7.861	0.091	7.873	0.060	7.887	-0.099	7.897	-0.349
7.900	-0.420	7.908	-0.591	7.914	-0.710	7.919	-0.773
7.924	-0.801	7.931	-0.766	7.939	-0.686	7.944	-0.543
7.952	-0.381	7.957	-0.187	7.964	0.008	7.969	0.155
7.975	0.242	7.980	0.325	7.987	0.404	7.999	0.420
8.006	0.381	8.012	0.301	8.021	0.214	8.028	0.150
8.036	0.115	8.048	0.103	8.061	0.158	8.070	0.281
8.080	0.384	8.087	0.475	8.095	0.547	8.105	0.574
8.119	0.523	8.129	0.471	8.136	0.423	8.146	0.427
8.153	0.387	8.157	0.304	8.165	0.197	8.174	0.054
8.184	-0.022	8.196	-0.074	8.207	-0.074	8.218	-0.169
8.229	-0.288	8.260	-0.301	8.272	-0.245	8.279	-0.146
8.284	-0.059	8.290	0.040	8.297	0.155	8.303	0.266
8.309	0.326	8.315	0.393	8.324	0.405	8.336	0.345
8.350	0.274	8.363	0.207	8.374	0.099	8.390	0.060
8.413	0.064	8.420	0.020	8.427	-0.035	8.439	-0.119
8.451	-0.095	8.463	-0.055	8.481	-0.020	8.487	-0.023
8.505	-0.047	8.514	-0.119	8.520	-0.119	8.525	-0.079
8.537	0.020	8.548	0.056	8.557	0.017	8.574	-0.070
8.588	-0.133	8.609	-0.185	8.629	-0.303	8.645	-0.402
8.653	-0.442	8.662	-0.422	8.673	-0.386	8.679	-0.314
8.688	-0.187	8.696	-0.060	8.708	0.071	8.719	0.127
8.730	0.143	8.736	0.059	8.748	0.016	8.757	-0.091
8.765	-0.071	8.769	-0.035	8.775	0.068	8.782	0.207
8.791	0.374	8.801	0.485	8.814	0.489	8.819	0.450
8.829	0.299	8.835	0.168	8.842	0.065	8.850	0.018
8.859	0.022	8.867	0.066	8.876	0.161	8.884	0.272
8.890	0.331	8.900	0.371	8.905	0.315	8.911	0.208
8.917	0.014	8.925	-0.216	8.931	-0.391	8.938	-0.518
8.947	-0.613	8.953	-0.641	8.960	-0.538	8.963	-0.486
8.968	-0.312	8.971	-0.169	8.978	-0.026	8.984	0.033
8.990	0.069	9.000	0.013	9.005	-0.122	9.012	-0.268
9.022	-0.451	9.031	-0.570	9.037	-0.629	9.048	-0.550
9.062	-0.395	9.072	-0.221	9.087	-0.046	9.100	0.041
9.111	0.045	9.126	0.037	9.136	0.073	9.152	0.116
9.163	0.136	9.178	0.124	9.190	0.104	9.200	0.112

9.216	0.108	9.224	0.053	9.236	-0.046	9.244	-0.129
9.251	-0.252	9.261	-0.407	9.268	-0.482	9.279	-0.529
9.284	-0.537	9.296	-0.485	9.303	-0.374	9.313	-0.211
9.325	-0.049	9.338	0.170	9.352	0.309	9.357	0.341
9.367	0.361	9.377	0.305	9.392	0.238	9.402	0.187
9.410	0.179	9.417	0.246	9.429	0.377	9.442	0.520
9.458	0.655	9.466	0.695	9.475	0.699	9.479	0.632
9.485	0.520	9.493	0.334	9.500	0.132	9.510	-0.086
9.519	-0.253	9.526	-0.300	9.534	-0.233	9.540	-0.106
9.552	0.081	9.558	0.271	9.569	0.402	9.579	0.425
9.587	0.390	9.595	0.326	9.600	0.298	9.610	0.279
9.616	0.243	9.631	0.183	9.642	0.068	9.653	-0.083
9.668	-0.194	9.679	-0.305	9.695	-0.428	9.710	-0.480
9.714	-0.452	9.725	-0.400	9.736	-0.345	9.748	-0.361
9.763	-0.412	9.777	-0.448	9.794	-0.489	9.818	-0.525
9.829	-0.485	9.838	-0.450	9.846	-0.442	9.864	-0.506
9.875	-0.530	9.883	-0.546	9.892	-0.487	9.906	-0.340
9.921	-0.178	9.938	-0.016	9.951	0.119	9.961	0.151
9.971	0.127	9.973	0.083	9.980	-0.056	9.989	-0.135
9.997	-0.242	10.003	-0.294	10.013	-0.393	10.027	-0.473
10.034	-0.413	10.046	-0.314	10.057	-0.235	10.069	-0.132
10.080	-0.005	10.093	0.153	10.100	0.208	10.108	0.240
10.118	0.236	10.125	0.197	10.136	0.118	10.145	0.062
10.160	0.130	10.175	0.158	10.186	0.139	10.190	0.115
10.197	0.147	10.211	0.234	10.218	0.274	10.228	0.286
10.239	0.255	10.249	0.212	10.255	0.255	10.274	0.375
10.280	0.438	10.298	0.490	10.311	0.542	10.318	0.535
10.329	0.448	10.348	0.361	10.358	0.345	10.366	0.361
10.376	0.385	10.393	0.417	10.398	0.402	10.405	0.346
10.414	0.243	10.427	0.109	10.435	0.073	10.441	0.085
10.448	0.153	10.454	0.236	10.462	0.387	10.472	0.518
10.482	0.574	10.491	0.582	10.497	0.523	10.505	0.404
10.514	0.238	10.525	0.079	10.542	-0.063	10.554	-0.127
10.568	-0.111	10.577	-0.056	10.585	-0.020	10.598	-0.040
10.608	-0.115	10.620	-0.195	10.628	-0.278	10.645	-0.310
10.654	-0.274	10.665	-0.155	10.673	-0.048	10.681	0.055
10.699	0.083	10.710	0.039	10.721	0.007	10.740	-0.009
10.754	-0.001	10.759	-0.064	10.767	-0.136	10.774	-0.223
10.785	-0.351	10.795	-0.406	10.806	-0.383	10.820	-0.316
10.833	-0.240	10.843	-0.161	10.857	-0.110	10.871	-0.138
10.891	-0.222	10.896	-0.250	10.909	-0.397	10.926	-0.536
10.939	-0.647	10.948	-0.719	10.959	-0.739	10.968	-0.687
10.978	-0.604	10.988	-0.525	11.002	-0.442	11.016	-0.423
11.027	-0.455	11.044	-0.499	11.060	-0.439	11.072	-0.344
11.083	-0.249	11.092	-0.127	11.103	-0.012	11.110	0.083
11.120	0.158	11.132	0.198	11.139	0.142	11.149	0.054
11.157	0.015	11.170	0.090	11.175	0.177	11.181	0.252
11.191	0.340	11.201	0.367	11.215	0.339	11.227	0.276
11.245	0.188	11.258	0.172	11.269	0.196	11.283	0.244
11.297	0.271	11.312	0.220	11.324	0.140	11.338	0.045
11.354	-0.035	11.373	-0.126	11.387	-0.190	11.397	-0.130
11.408	-0.015	11.420	0.076	11.429	0.072	11.441	0.060
11.448	0.052	11.458	0.080	11.468	0.136	11.479	0.168
11.487	0.133	11.497	0.050	11.506	-0.049	11.517	-0.124
11.525	-0.132	11.532	-0.092	11.541	-0.017	11.548	0.095
11.561	0.214	11.569	0.321	11.581	0.389	11.587	0.405

11.598	0.342	11.605	0.247	11.613	0.144	11.621	0.033
11.627	-0.070	11.635	-0.098	11.643	-0.117	11.652	-0.094
11.664	-0.014	11.679	0.081	11.693	0.141	11.710	0.169
11.721	0.129	11.729	0.090	11.742	0.054	11.754	0.038
11.762	0.114	11.772	0.217	11.785	0.336	11.793	0.443
11.803	0.523	11.813	0.550	11.830	0.499	11.837	0.419
11.850	0.328	11.869	0.185	11.882	0.046	11.896	-0.089
11.905	-0.141	11.914	-0.153	11.931	-0.117	11.946	-0.106
11.957	-0.134	11.970	-0.165	11.975	-0.209	11.983	-0.257
11.995	-0.312	12.005	-0.383	12.018	-0.494	12.025	-0.578
12.035	-0.605	12.045	-0.550	12.054	-0.466	12.068	-0.367
12.081	-0.284	12.102	-0.244	12.129	-0.204	12.154	-0.137
12.168	-0.033	12.187	0.042	12.202	0.054	12.215	0.046
12.231	0.070	12.237	0.058	12.243	0.002	12.251	-0.061
12.261	-0.148	12.273	-0.156	12.279	-0.109	12.288	0.026
12.294	0.161	12.301	0.264	12.309	0.371	12.321	0.419
12.333	0.220	12.345	0.026	12.369	-0.422	12.379	-0.462
12.397	-0.339	12.413	-0.121	12.426	0.038	12.441	0.086
12.453	0.034	12.468	-0.085	12.491	-0.196	12.506	-0.156
12.522	-0.065	12.539	0.106	12.554	0.193	12.568	0.114
12.587	-0.053	12.599	-0.100	12.607	-0.100	12.621	-0.140
12.640	-0.187	12.654	-0.151	12.681	-0.076	12.695	-0.108
12.714	-0.159	12.734	-0.100	12.750	-0.036	12.765	-0.036
12.780	0.051	12.797	0.194	12.812	0.245	12.826	0.186
12.841	0.094	12.858	0.023	12.874	0.098	12.886	0.221
12.903	0.419	12.923	0.518	12.941	0.498	12.960	0.346
12.979	0.227	12.998	0.123	13.012	0.083	13.030	0.158
13.050	0.205	13.070	0.122	13.087	0.006	13.109	-0.109
13.117	-0.114	13.136	-0.047	13.153	0.004	13.165	0.020
13.183	-0.029	13.196	-0.133	13.213	-0.236	13.229	-0.269
13.245	-0.210	13.261	-0.104	13.279	0.006	13.299	-0.098
13.317	-0.273	13.336	-0.433	13.360	-0.529	13.382	-0.451
13.401	-0.324	13.424	-0.202	13.442	-0.293	13.459	-0.393
13.477	-0.461	13.485	-0.473	13.505	-0.374	13.521	-0.263
13.540	-0.169	13.550	-0.157	13.570	-0.193	13.581	-0.197
13.596	-0.150	13.618	-0.135	13.639	-0.207	13.659	-0.374
13.674	-0.409	13.691	-0.298	13.717	-0.100	13.734	-0.171
13.752	-0.231	13.770	-0.144	13.787	-0.009	13.805	0.114
13.827	0.170	13.841	0.170	13.860	0.249	13.878	0.392
13.895	0.511	13.916	0.598	13.937	0.562	13.952	0.523
13.975	0.606	13.990	0.626	14.010	0.523	14.027	0.344
14.047	0.202	14.063	0.158	14.084	0.225	14.105	0.257
14.120	0.229	14.137	0.122	14.161	-0.021	14.183	-0.096
14.212	0.023	14.233	0.126	14.255	0.281	14.276	0.364
14.302	0.202	14.327	0.023	14.349	-0.036	14.368	-0.072
14.387	-0.108	14.405	-0.199	14.421	-0.270	14.448	-0.132
14.470	0.055	14.497	0.198	14.530	0.249	14.556	0.178
14.580	0.102	14.601	0.043	14.624	0.063	14.647	0.090
14.665	0.182	14.682	0.289	14.701	0.400	14.721	0.360
14.740	0.332	14.764	0.360	14.784	0.392	14.810	0.293
14.832	0.146	14.855	0.019	14.878	-0.013	14.901	-0.060
14.919	-0.088	14.933	-0.140	14.955	-0.100	14.987	-0.120
15.019	-0.199	15.048	-0.227	15.070	-0.203	15.097	-0.140
15.109	-0.116	15.131	-0.239	15.150	-0.354	15.166	-0.457
15.188	-0.512	15.212	-0.413	15.238	-0.306	15.259	-0.366
15.274	-0.389	15.295	-0.322	15.322	-0.211	15.341	-0.159

15.366	-0.227	15.395	-0.263	15.423	-0.239	15.457	-0.200
15.472	-0.216	15.501	-0.197	15.513	-0.145	15.529	-0.086
15.546	0.013	15.559	0.053	15.576	0.052	15.598	0.056
15.623	0.135	15.644	0.285	15.669	0.487	15.698	0.582
15.721	0.442	15.739	0.192	15.755	0.005	15.781	-0.075
15.810	-0.040	15.835	0.027	15.857	0.098	15.881	0.137
15.902	0.085	15.921	0.121	15.944	0.247	15.963	0.283
15.987	0.215	16.011	0.080	16.035	-0.031	16.059	-0.198
16.083	-0.289	16.105	-0.206	16.115	-0.178	16.133	-0.210
16.150	-0.234	16.174	-0.198	16.199	-0.174	16.219	-0.047
16.233	0.053	16.250	0.172	16.267	0.200	16.291	0.129
16.310	0.061	16.328	0.125	16.344	0.165	16.368	0.097
16.390	0.030	16.419	0.165	16.437	0.197	16.459	0.141
16.480	0.062	16.500	0.122	16.519	0.165	16.547	0.126
16.565	0.102	16.582	0.043	16.610	0.039	16.630	-0.005
16.655	-0.036	16.679	0.011	16.704	0.075	16.719	0.039
16.733	0.011	16.751	-0.076	16.771	-0.144	16.799	-0.191
16.819	-0.155	16.838	0.007	16.859	0.110	16.876	0.126
16.901	0.051	16.918	-0.108	16.934	-0.187	16.950	-0.211
16.981	-0.168	17.004	-0.263	17.027	-0.315	17.052	-0.291
17.073	-0.267	17.097	-0.299	17.119	-0.311	17.150	-0.237
17.178	-0.154	17.202	-0.043	17.230	0.071	17.256	0.162
17.285	0.233	17.310	0.264	17.330	0.260	17.353	0.299
17.383	0.314	17.407	0.250	17.425	0.150	17.448	0.074
17.474	0.093	17.496	0.097	17.523	0.056	17.553	0.067
17.581	0.158	17.609	0.209	17.640	0.085	17.671	-0.014
17.700	-0.034	17.734	-0.055	17.755	-0.102	17.777	-0.158
17.796	-0.178	17.820	-0.119	17.848	-0.060	17.874	-0.104
17.908	-0.132	17.930	-0.175	17.952	-0.187	17.975	-0.231
17.998	-0.270	18.020	-0.322	18.037	-0.235	18.056	-0.128
18.072	-0.048	18.090	-0.005	18.113	-0.052	18.133	-0.076
18.155	-0.005	18.174	0.094	18.195	0.233	18.215	0.257
18.244	0.162	18.273	0.063	18.305	0.130	18.328	0.221
18.356	0.245	18.384	0.253	18.406	0.225	18.431	0.182
18.456	0.218	18.481	0.226	18.508	0.190	18.534	0.182
18.557	0.186	18.585	0.187	18.607	0.076	18.625	0.016
18.649	-0.032	18.674	-0.162	18.696	-0.218	18.716	-0.230
18.737	-0.230	18.756	-0.234	18.779	-0.242	18.802	-0.210
18.826	-0.143	18.848	-0.115	18.879	-0.186	18.906	-0.246
18.933	-0.274	18.959	-0.211	18.986	-0.124	19.013	-0.045
19.039	0.042	19.068	0.077	19.092	0.081	19.112	0.029
19.126	0.013	19.145	0.092	19.164	0.191	19.179	0.203
19.205	0.123	19.224	0.095	19.243	0.162	19.268	0.206
19.302	0.142	19.340	0.094	19.365	0.125	19.381	0.149
19.399	0.093	19.423	0.046	19.447	0.014	19.473	0.006
19.494	0.030	19.511	-0.030	19.533	-0.066	19.556	-0.058
19.581	-0.129	19.599	-0.189	19.619	-0.253	19.640	-0.296
19.665	-0.272	19.690	-0.256	19.713	-0.236	19.732	-0.280
19.755	-0.327	19.775	-0.260	19.797	-0.129	19.818	-0.042
19.838	0.034	19.871	0.109	19.898	0.165	19.928	0.169
19.946	0.197	19.966	0.241	19.989	0.284	20.015	0.296
20.034	0.364	20.058	0.388	20.083	0.380	20.108	0.368
20.129	0.336	20.151	0.293	20.174	0.257	20.197	0.213
20.217	0.202	20.238	0.130	20.264	0.047	20.286	0.075
20.307	0.102	20.332	0.039	20.351	-0.029	20.372	-0.104
20.399	-0.195	20.427	-0.283	20.441	-0.295	20.459	-0.224

20.482	-0.196	20.509	-0.229	20.539	-0.288	20.564	-0.225
20.596	-0.154	20.623	-0.214	20.652	-0.275	20.678	-0.196
20.705	-0.094	20.739	-0.162	20.763	-0.195	20.787	-0.104
20.812	-0.014	20.841	-0.063	20.862	-0.075	20.883	-0.024
20.908	0.034	20.923	0.065	20.941	0.037	20.961	0.016
20.980	0.004	21.004	0.062	21.027	0.093	21.050	0.144
21.073	0.119	21.094	0.082	21.123	0.085	21.151	0.077
21.175	0.076	21.207	0.035	21.234	0.042	21.259	0.037
21.289	0.040	21.304	0.024	21.329	0.027	21.346	0.035
21.374	-0.014	21.388	-0.025	21.409	0.022	21.433	0.050
21.464	0.066	21.485	0.030	21.507	0.031	21.532	0.102
21.558	0.142	21.578	0.182	21.599	0.209	21.622	0.186
21.642	0.138	21.668	0.095	21.688	0.071	21.706	0.059
21.728	0.091	21.749	0.118	21.768	0.130	21.786	0.150
21.806	0.130	21.819	0.075	21.853	-0.001	21.871	0.083
21.897	0.161	21.918	0.140	21.931	0.104	21.950	0.043
21.966	0.078	21.983	0.093	22.009	0.036	22.037	-0.013
22.055	-0.057	22.076	-0.106	22.101	-0.119	22.124	-0.112
22.143	-0.129	22.165	-0.149	22.187	-0.098	22.202	-0.063
22.221	-0.040	22.244	-0.096	22.264	-0.128	22.284	-0.125
22.303	-0.074	22.322	-0.063	22.340	-0.083	22.353	-0.100
22.371	-0.084	22.394	-0.056	22.412	-0.001	22.430	0.023
22.447	0.011	22.463	0.023	22.480	0.047	22.502	0.067
22.522	0.106	22.541	0.118	22.561	0.094	22.576	0.083
22.592	0.098	22.612	0.106	22.628	0.090	22.647	0.094
22.665	0.058	22.684	0.023	22.706	-0.013	22.727	0.014
22.750	0.034	22.772	0.022	22.796	-0.018	22.823	-0.078
22.840	-0.050	22.865	-0.007	22.887	-0.043	22.908	-0.091
22.936	-0.155	22.955	-0.131	22.975	-0.112	22.999	-0.120
23.017	-0.065	23.036	-0.062	23.058	-0.086	23.080	-0.134
23.101	-0.190	23.120	-0.234	23.144	-0.195	23.161	-0.179
23.185	-0.163	23.202	-0.132	23.214	-0.085	23.228	-0.029
23.246	0.050	23.265	0.093	23.281	0.105	23.302	0.029
23.319	-0.027	23.340	-0.067	23.358	-0.059	23.378	-0.024
23.402	-0.012	23.421	-0.024	23.444	-0.044	23.463	-0.020
23.485	-0.008	23.511	-0.012	23.527	0.035	23.548	0.087
23.571	0.107	23.595	0.059	23.620	0.023	23.640	0.015
23.660	0.063	23.686	0.083	23.706	0.079	23.726	0.071
23.746	0.067	23.762	0.067	23.788	0.114	23.809	0.059
23.831	-0.001	23.852	-0.044	23.875	-0.072	23.892	-0.088
23.906	-0.080	23.912	-0.064	23.919	-0.048	23.936	-0.009
23.958	0.047	23.976	0.071	23.994	0.071	24.013	0.083
24.029	0.087	24.042	0.063	24.068	0.007	24.089	-0.025
24.101	-0.032	24.121	-0.021	24.138	0.011	24.153	0.011
24.169	-0.013	24.177	-0.025	24.189	-0.029	24.205	-0.017
24.218	-0.009	24.236	0.003	24.248	0.019	24.268	0.011
24.291	-0.001	24.304	0.019	24.305	0.019	24.313	0.098
24.328	0.126	24.341	0.145	24.361	0.149	24.379	0.149
24.399	0.137	24.422	0.121	24.440	0.093	24.451	0.065
24.460	0.053	24.477	0.069	24.496	0.085	24.519	0.065
24.526	0.029	24.542	0.009	24.564	-0.011	24.582	-0.012
24.592	-0.004	24.610	0.020	24.629	0.023	24.641	0.019
24.665	0.007	24.678	0.010	24.692	0.006	24.705	0.002
24.725	0.010	24.744	0.029	24.763	0.005	24.784	-0.019
24.808	-0.059	24.821	-0.083	24.843	-0.127	24.856	-0.140
24.871	-0.124	24.894	-0.128	24.905	-0.137	24.937	-0.090

24.947	-0.090	24.959	-0.074	24.988	-0.039	24.999	-0.004
25.019	0.048	25.038	0.063	25.059	0.059	25.078	0.070
25.102	0.105	25.124	0.129	25.155	0.124	25.170	0.108
25.171	0.104	25.199	0.116	25.207	0.104	25.221	0.064
25.240	0.012	25.248	-0.016	25.249	-0.016	25.269	-0.000
25.285	0.020	25.312	0.035	25.321	0.039	25.330	0.055
25.357	0.086	25.368	0.082	25.391	0.046	25.399	0.038
25.421	0.042	25.442	0.050	25.451	0.058	25.462	0.066
25.483	0.046	25.495	0.042	25.517	0.042	25.538	0.026
25.575	-0.014	25.594	-0.018	25.601	-0.030	25.618	-0.053
25.623	-0.077	25.639	-0.117	25.649	-0.125	25.662	-0.093
25.678	-0.046	25.689	-0.010	25.704	0.002	25.711	-0.006
25.719	-0.030	25.739	-0.042	25.746	-0.030	25.771	0.006
25.779	0.029	25.796	0.049	25.813	0.053	25.828	0.005
25.853	-0.023	25.853	-0.023	25.875	-0.011	25.895	0.025
25.921	0.072	25.960	0.111	25.997	0.138	26.014	0.138
26.030	0.102	26.054	0.038	26.073	0.030	26.097	0.037
26.122	-0.026	26.148	-0.066	26.173	-0.090	26.189	-0.074
26.215	-0.055	26.237	-0.087	26.260	-0.067	26.285	-0.036
26.316	-0.016	26.325	-0.020	26.362	-0.028	26.395	-0.001
26.412	0.007	26.415	-0.009	26.441	0.023	26.444	0.011
26.464	-0.021	26.479	-0.052	26.493	-0.064	26.501	-0.052
26.525	-0.025	26.552	-0.032	26.562	-0.040	26.578	0.003
26.603	0.023	26.625	0.027	26.657	0.039	26.684	0.007
26.686	0.003	26.710	0.023	26.730	0.051	26.752	0.059
26.764	0.063	26.775	0.071	26.797	0.035	26.822	-0.001
26.867	0.026	26.875	0.042	26.904	0.066	26.937	0.058
26.951	0.049	26.979	0.065	26.990	0.097	27.014	0.136
27.025	0.140	27.043	0.128	27.061	0.100	27.090	0.135
27.097	0.151	27.113	0.162	27.124	0.134	27.156	0.062
27.172	0.049	27.184	0.049	27.197	0.068	27.222	0.051
27.248	0.034	27.303	0.020	27.322	0.008	27.326	0.019
27.350	0.038	27.390	0.029	27.403	0.016	27.430	0.023
27.455	0.007	27.471	0.002	27.490	-0.003	27.500	-0.003
27.522	-0.035	27.538	-0.068	27.556	-0.096	27.577	-0.109
27.606	-0.039	27.625	-0.008	27.648	-0.040	27.668	-0.068
27.692	-0.076	27.712	-0.056	27.735	-0.017	27.756	0.011
27.775	0.019	27.786	0.011	27.815	0.003	27.849	0.019
27.853	0.019	27.871	0.003	27.908	-0.017	27.925	-0.021
27.945	-0.013	27.957	0.011	27.968	0.023	28.001	0.004
28.031	-0.044	28.047	-0.076	28.066	-0.060	28.077	-0.040
28.101	-0.028	28.129	-0.008	28.138	0.024	28.167	0.036
28.190	0.067	28.218	0.098	28.237	0.138	28.259	0.118
28.278	0.098	28.310	0.081	28.340	0.049	28.344	0.053
28.377	0.076	28.404	0.072	28.421	0.071	28.451	0.019
28.465	0.007	28.486	0.014	28.505	0.002	28.529	-0.039
28.570	0.020	28.583	0.039	28.617	0.046	28.636	0.038
28.655	0.029	28.661	0.017	28.687	-0.027	28.706	-0.048
28.746	-0.041	28.760	-0.033	28.782	-0.057	28.821	-0.035
28.858	-0.055	28.880	-0.056	28.904	-0.033	28.931	-0.049
28.951	-0.069	28.982	-0.054	29.000	0.005	29.018	0.029
29.040	0.044	29.064	0.036	29.090	0.027	29.110	0.039
29.138	0.019	29.154	0.006	29.187	0.018	29.198	-0.018
29.216	-0.042	29.244	-0.055	29.269	-0.031	29.300	-0.000
29.311	0.015	29.333	-0.005	29.344	-0.013	29.365	0.019
29.376	0.038	29.389	0.082	29.397	0.109	29.413	0.081

29.435	0.030	29.442	0.030	29.458	0.053	29.473	0.069
29.486	0.053	29.518	0.028	29.544	0.036	29.545	0.036
29.558	0.040	29.582	0.036	29.608	0.036	29.620	0.040
29.630	0.055	29.664	0.043	29.694	0.067	29.711	0.083
29.739	0.107	29.747	0.111	29.771	0.087	29.792	0.059
29.823	0.015	29.850	0.011	29.878	0.015	29.921	0.023
29.967	0.011	29.987	0.015	30.010	-0.013	30.042	0.015
30.097	0.031	30.114	0.039	30.139	0.055	30.175	0.015
30.210	0.015	30.231	-0.001	30.256	-0.001	30.281	0.010
30.306	0.006	30.337	-0.014	30.359	-0.022	30.384	-0.010
30.411	0.006	30.443	0.001	30.469	0.033	30.491	0.065
30.522	0.096	30.559	0.100	30.584	0.100	30.608	0.076
30.636	0.044	30.663	0.031	30.694	0.003	30.716	-0.041
30.736	-0.014	30.763	0.025	30.788	0.020	30.828	0.035
30.851	0.003	30.903	-0.002	30.929	-0.019	30.947	-0.020
30.959	-0.008	30.985	0.007	31.026	-0.027	31.056	-0.008
31.084	0.031	31.107	0.026	31.138	-0.015	31.167	-0.052
31.186	-0.044	31.210	-0.033	31.251	-0.034	31.282	0.005
31.326	0.016	31.360	0.039	31.385	0.027	31.414	-0.006
31.443	-0.034	31.476	0.017	31.510	0.037	31.517	0.029
31.540	0.060	31.561	0.092	31.590	0.087	31.600	0.075
31.639	0.043	31.655	0.031	31.679	-0.005	31.692	-0.053
31.707	-0.058	31.717	-0.018	31.744	0.025	31.770	0.040
31.789	0.052	31.803	0.035	31.819	-0.005	31.844	0.007
31.858	0.006	31.884	0.037	31.891	0.041	31.909	0.017
31.926	0.005	31.948	0.024	31.965	0.059	31.983	0.101
32.003	0.113	32.027	0.092	32.052	0.063	32.080	0.058
32.120	0.016	32.140	0.011	32.159	-0.002	32.176	-0.018
32.194	0.020	32.216	0.035	32.223	0.023	32.249	-0.002
32.258	0.005	32.262	0.005	32.285	-0.016	32.305	0.019
32.329	0.002	32.356	-0.027	32.369	-0.007	32.387	0.012
32.420	0.023	32.442	0.026	32.466	0.033	32.490	0.060
32.518	0.079	32.537	0.102	32.572	0.089	32.589	0.034
32.611	0.033	32.630	0.013	32.647	-0.003	32.671	-0.003
32.689	-0.003	32.699	-0.015	32.715	-0.027	32.737	-0.027
32.765	-0.016	32.781	0.008	32.793	0.035	32.804	0.059
32.819	0.035	32.839	-0.001	32.863	-0.025	32.885	-0.044
32.905	-0.048	32.927	-0.040	32.950	-0.021	32.981	-0.005
32.993	-0.009	33.008	0.011	33.029	0.035	33.056	0.015
33.075	-0.005	33.086	-0.021	33.113	-0.025	33.129	-0.005
33.165	-0.001	33.180	-0.005	33.212	0.018	33.238	0.014
33.260	0.002	33.291	-0.019	33.313	-0.039	33.353	-0.004
33.378	0.019	33.402	-0.017	33.436	0.022	33.456	0.025
33.508	0.020	33.523	0.028	33.538	0.019	33.572	0.042
33.591	0.070	33.614	0.065	33.642	0.028	33.652	0.000
33.700	0.027	33.731	0.014	33.743	-0.018	33.757	-0.035
33.791	0.004	33.815	0.023	33.846	0.006	33.853	0.002
33.873	0.029	33.895	0.060	33.919	0.068	33.953	0.051
33.991	0.034	34.026	0.013	34.061	-0.004	34.083	-0.013
34.121	0.034	34.155	0.037	34.194	0.040	34.215	0.036
34.243	0.035	34.261	0.043	34.280	0.050	34.285	0.054
34.305	0.022	34.338	0.049	34.364	0.053	34.401	0.033
34.407	0.025	34.429	0.009	34.465	-0.008	34.479	-0.012
34.505	-0.048	34.519	-0.067	34.540	-0.024	34.562	0.008
34.594	0.023	34.633	0.027	34.645	0.023	34.662	-0.001
34.683	-0.009	34.730	-0.006	34.738	-0.026	34.764	-0.050

34.795	-0.038	34.823	-0.015	34.853	-0.027	34.885	-0.051
34.916	-0.028	34.927	0.004	34.943	0.000	34.957	0.016
34.968	0.020	34.975	0.012	34.994	0.000	35.016	-0.008
35.031	-0.015	35.053	-0.003	35.076	0.009	35.096	0.017
35.113	0.017	35.128	0.037	35.145	0.041	35.157	0.046
35.170	0.034	35.185	0.018	35.198	-0.010	35.208	-0.030
35.217	-0.038	35.230	-0.030	35.243	-0.014	35.255	-0.002
35.267	0.006	35.281	0.014	35.296	0.002	35.311	-0.014
35.321	-0.030	35.329	-0.042	35.334	-0.042	35.347	-0.026
35.361	-0.006	35.373	0.021	35.388	0.049	35.392	0.037
35.406	0.025	35.417	0.005	35.434	-0.015	35.443	-0.023
35.447	-0.027	35.461	-0.011	35.473	0.017	35.482	0.032
35.499	0.040	35.512	0.024	35.517	0.016	35.529	-0.016
35.547	-0.040	35.555	-0.044	35.563	-0.044	35.567	-0.036
35.582	-0.004	35.591	0.035	35.605	0.047	35.615	0.059
35.621	0.055	35.633	0.023	35.649	0.007	35.656	-0.001
35.661	-0.001	35.672	0.027	35.683	0.062	35.698	0.102
35.704	0.118	35.714	0.110	35.720	0.106	35.729	0.074
35.737	0.050	35.746	0.042	35.755	0.046	35.767	0.062
35.777	0.062	35.787	0.038	35.795	0.002	35.802	-0.034
35.810	-0.082	35.817	-0.121	35.825	-0.121	35.831	-0.106
35.841	-0.058	35.848	-0.007	35.854	0.041	35.862	0.081
35.874	0.108	35.875	0.112	35.885	0.084	35.896	0.032
35.899	0.005	35.906	-0.043	35.914	-0.055	35.917	-0.063
35.927	-0.040	35.936	-0.004	35.946	0.043	35.960	0.071
35.961	0.071	35.966	0.067	35.977	0.063	35.986	0.019
35.994	-0.005	36.003	-0.037	36.010	-0.029	36.019	0.002
36.029	0.018	36.040	0.042	36.053	0.049	36.063	0.041
36.072	0.029	36.084	0.005	36.098	-0.031	36.106	-0.047
36.115	-0.063	36.124	-0.067	36.135	-0.055	36.150	-0.019
36.162	-0.004	36.171	0.000	36.174	0.004	36.184	-0.012
36.195	-0.028	36.211	-0.040	36.222	-0.036	36.226	-0.024
36.240	-0.008	36.249	0.008	36.261	0.027	36.272	0.035
36.280	0.039	36.291	0.003	36.300	-0.029	36.309	-0.060
36.323	-0.092	36.329	-0.104	36.341	-0.072	36.354	-0.021
36.361	0.023	36.372	0.063	36.378	0.079	36.393	0.051
36.399	0.039	36.407	0.015	36.421	-0.017	36.431	-0.032
36.443	-0.036	36.455	0.003	36.462	0.035	36.471	0.055
36.478	0.055	36.489	0.023	36.496	-0.005	36.502	-0.037
36.514	-0.080	36.528	-0.080	36.540	-0.065	36.550	-0.049
36.568	-0.021	36.580	0.006	36.589	0.018	36.602	0.030
36.618	0.038	36.626	0.042	36.638	0.054	36.654	0.061
36.662	0.057	36.674	0.057	36.691	0.049	36.700	0.045
36.713	0.037	36.729	0.029	36.741	0.025	36.747	0.005
36.761	-0.015	36.776	-0.023	36.791	0.004	36.798	0.020
36.813	0.036	36.824	0.044	36.831	0.043	36.846	0.011
36.856	-0.024	36.863	-0.048	36.874	-0.041	36.883	-0.021
36.893	0.015	36.907	0.038	36.917	0.030	36.927	0.030
36.943	0.034	36.953	0.033	36.959	0.029	36.969	0.009
36.981	-0.007	36.987	-0.007	36.996	0.021	37.006	0.048
37.018	0.064	37.030	0.072	37.043	0.064	37.054	0.051
37.062	0.039	37.075	0.015	37.079	0.019	37.091	0.035
37.104	0.047	37.113	0.043	37.123	0.023	37.135	-0.009
37.147	-0.045	37.157	-0.061	37.163	-0.069	37.172	-0.053
37.184	-0.022	37.192	-0.006	37.203	0.029	37.213	0.045
37.226	0.061	37.235	0.061	37.248	0.037	37.262	0.017

37.275	-0.011	37.292	-0.051	37.303	-0.067	37.312	-0.079
37.322	-0.087	37.334	-0.071	37.348	-0.044	37.355	-0.028
37.374	-0.016	37.383	-0.020	37.393	-0.020	37.401	-0.024
37.415	-0.029	37.422	-0.040	37.434	-0.029	37.448	-0.017
37.462	-0.005	37.473	0.011	37.488	0.026	37.500	0.042
37.510	0.050	37.525	0.010	37.538	-0.030	37.551	-0.049
37.564	-0.030	37.578	-0.010	37.593	0.010	37.608	0.025
37.623	0.021	37.635	-0.006	37.647	-0.022	37.661	-0.023
37.672	-0.015	37.687	-0.007	37.699	0.001	37.715	-0.027
37.730	-0.047	37.744	-0.067	37.757	-0.079	37.774	-0.087
37.782	-0.087	37.794	-0.079	37.812	-0.055	37.827	-0.036
37.849	-0.012	37.863	0.008	37.877	0.027	37.889	0.035
37.897	0.039	37.911	0.019	37.922	0.011	37.942	0.027
37.957	0.034	37.979	0.042	37.984	0.042	38.000	0.014
38.010	-0.002	38.025	-0.014	38.045	0.022	38.053	0.033
38.069	0.041	38.082	0.053	38.097	0.065	38.105	0.065
38.127	0.049	38.143	0.048	38.155	0.052	38.171	0.060
38.183	0.056	38.193	0.047	38.211	0.047	38.228	0.063
38.248	0.078	38.258	0.066	38.265	0.054	38.279	0.030
38.290	0.014	38.311	0.002	38.326	0.001	38.334	0.009
38.347	0.037	38.360	0.060	38.375	0.064	38.389	0.032
38.402	0.008	38.410	-0.004	38.420	-0.017	38.438	-0.025
38.452	-0.025	38.467	-0.014	38.483	-0.002	38.493	-0.003
38.508	0.021	38.520	0.040	38.532	0.056	38.535	0.056
38.548	0.028	38.566	0.019	38.580	0.027	38.593	0.035
38.607	0.034	38.616	0.030	38.629	0.010	38.639	-0.018
38.650	-0.042	38.662	-0.054	38.680	-0.051	38.696	-0.043
38.709	-0.035	38.725	-0.036	38.737	-0.032	38.747	-0.020
38.764	-0.009	38.777	-0.005	38.792	-0.001	38.808	-0.006
38.821	-0.010	38.834	0.002	38.847	-0.002	38.861	-0.034
38.876	-0.043	38.887	-0.035	38.904	-0.027	38.915	-0.019
38.935	-0.015	38.951	-0.020	38.962	-0.012	38.978	-0.004
38.994	0.008	39.006	0.008	39.019	0.011	39.036	0.019
39.048	0.031	39.057	0.031	39.075	0.031	39.092	0.018
39.096	0.018	39.109	0.002	39.122	-0.014	39.134	-0.018
39.142	-0.022	39.151	-0.006	39.164	0.009	39.181	0.025
39.191	0.033	39.204	0.032	39.213	0.024	39.225	0.008
39.234	0.000	39.255	0.008	39.269	0.007	39.283	0.011
39.294	0.011	39.307	0.011	39.322	0.006	39.333	0.010
39.343	0.018	39.359	0.041	39.370	0.053	39.384	0.061
39.394	0.041	39.406	0.028	39.420	0.012	39.432	0.004
39.439	0.000	39.447	0.012	39.461	0.031	39.469	0.039
39.476	0.043	39.495	0.047	39.508	0.046	39.521	0.046
39.536	0.046	39.546	0.045	39.558	0.049	39.572	0.045
39.583	0.033	39.590	0.025	39.609	0.040	39.622	0.044
39.633	0.048	39.646	0.036	39.655	0.024	39.669	0.008
39.683	-0.004	39.695	-0.004	39.704	0.008	39.713	0.012
39.728	0.032	39.737	0.036	39.748	0.039	39.756	0.039
39.764	0.031	39.770	0.020	39.782	0.004	39.798	-0.016
39.816	-0.001	39.822	-0.001	39.835	-0.001	39.852	-0.009
39.864	-0.001	39.872	0.019	39.890	0.039	39.902	0.031
39.910	0.019	39.924	-0.013	39.939	-0.049	39.947	-0.057
39.948	-0.049	39.961	-0.026	39.975	0.014	39.990	0.037
40.007	0.045	40.018	0.029	40.034	0.001	40.046	-0.023
40.062	-0.043	40.075	-0.031	40.093	-0.004	40.110	0.028
40.123	0.043	40.138	0.039	40.153	0.035	40.169	0.031

40.183	0.042	40.201	0.050	40.217	0.022	40.236	-0.011
40.254	-0.043	40.269	-0.051	40.284	-0.063	40.296	-0.075
40.318	-0.072	40.331	-0.064	40.341	-0.052	40.357	-0.045
40.376	-0.025	40.400	0.010	40.415	0.010	40.436	-0.003
40.445	0.005	40.459	0.029	40.486	0.028	40.491	0.004
40.512	-0.020	40.523	-0.024	40.534	-0.004	40.557	0.023
40.575	0.019	40.590	-0.005	40.603	-0.017	40.621	-0.025
40.637	0.010	40.658	0.038	40.673	0.042	40.689	0.038
40.705	0.025	40.718	0.017	40.740	-0.007	40.756	-0.015
40.766	-0.019	40.793	-0.019	40.813	-0.016	40.828	0.004
40.843	0.023	40.860	0.051	40.878	0.055	40.894	0.039
40.903	0.019	40.926	-0.025	40.946	-0.018	40.954	-0.002
40.972	0.026	40.990	0.041	41.005	0.029	41.019	-0.023
41.030	-0.047	41.045	-0.083	41.059	-0.103	41.069	-0.091
41.082	-0.040	41.091	-0.008	41.106	0.032	41.116	0.055
41.131	0.075	41.139	0.091	41.156	0.031	41.170	-0.029
41.185	-0.037	41.197	-0.009	41.222	0.034	41.238	0.030
41.253	-0.006	41.260	-0.034	41.279	-0.070	41.287	-0.050
41.303	-0.031	41.314	-0.035	41.328	-0.047	41.331	-0.039
41.346	-0.023	41.364	-0.008	41.385	-0.004	41.403	-0.008
41.416	-0.009	41.425	-0.005	41.446	0.011	41.463	0.003
41.475	-0.010	41.494	-0.030	41.508	-0.030	41.522	-0.010
41.543	0.009	41.551	0.009	41.572	-0.019	41.586	-0.023
41.600	-0.015	41.608	-0.015	41.631	-0.028	41.647	-0.032
41.667	-0.008	41.686	0.015	41.698	0.019	41.717	0.019
41.728	0.018	41.746	0.038	41.774	0.049	41.786	0.049
41.809	0.037	41.826	0.013	41.846	0.000	41.868	-0.016
41.885	-0.008	41.890	-0.008	41.902	0.003	41.921	0.011
41.940	0.002	41.946	-0.014	41.961	-0.038	41.985	-0.054
42.003	-0.038	42.024	-0.027	42.038	-0.019	42.056	-0.028
42.072	-0.032	42.082	-0.024	42.104	-0.009	42.116	0.011
42.126	0.026	42.143	0.026	42.161	0.018	42.173	0.010
42.193	0.005	42.210	0.009	42.225	0.012	42.240	0.016
42.251	0.008	42.269	-0.008	42.283	-0.009	42.297	-0.001
42.309	0.019	42.321	0.038	42.333	0.058	42.343	0.061
42.355	0.061	42.365	0.041	42.375	0.029	42.392	0.001
42.406	-0.011	42.425	-0.004	42.439	0.012	42.456	0.012
42.472	0.015	42.485	0.023	42.503	0.027	42.514	0.019
42.531	0.014	42.545	0.014	42.559	0.030	42.576	0.029
42.592	0.021	42.607	0.013	42.624	0.013	42.638	0.017
42.646	0.029	42.668	0.040	42.684	0.044	42.701	0.048
42.720	0.048	42.733	0.048	42.738	0.048	42.760	0.024
42.775	0.016	42.790	0.008	42.804	0.016	42.819	0.019
42.833	0.019	42.844	0.011	42.862	-0.005	42.882	-0.025
42.895	-0.025	42.903	-0.021	42.931	-0.021	42.945	-0.021
42.965	-0.014	42.979	-0.014	42.993	-0.010	43.009	-0.006
43.029	-0.006	43.039	0.002	43.052	0.013	43.071	0.021
43.089	0.017	43.102	0.028	43.116	0.036	43.119	0.036
43.143	0.015	43.161	0.003	43.176	-0.005	43.200	-0.010
43.212	-0.002	43.231	-0.003	43.246	0.009	43.259	0.017
43.279	0.024	43.295	0.028	43.311	0.023	43.320	0.027
43.335	0.019	43.351	0.006	43.364	0.002	43.379	-0.002
43.393	-0.007	43.407	-0.019	43.427	-0.020	43.443	-0.016
43.456	-0.013	43.472	-0.013	43.486	-0.021	43.500	-0.022
43.514	-0.010	43.521	0.001	43.541	0.021	43.554	0.040
43.564	0.044	43.583	0.023	43.598	-0.001	43.616	0.007

43.635	0.018	43.652	0.025	43.662	0.033	43.666	0.037
43.683	0.021	43.710	0.016	43.723	0.016	43.726	0.027
43.740	0.043	43.759	0.042	43.770	0.030	43.784	0.018
43.800	0.010	43.816	0.009	43.835	0.009	43.849	0.009
43.861	0.016	43.868	0.024	43.888	0.020	43.899	0.015
43.912	0.007	43.928	-0.001	43.940	-0.001	43.950	0.018
43.963	0.030	43.976	0.038	43.993	0.037	44.001	0.029
44.018	0.005	44.038	0.005	44.051	0.017	44.074	0.028
44.091	0.036	44.107	0.044	44.123	0.028	44.150	0.008
44.168	-0.000	44.175	-0.004	44.193	0.020	44.211	0.039
44.224	0.035	44.240	0.011	44.260	-0.025	44.279	-0.037
44.292	-0.029	44.305	-0.005	44.325	0.019	44.342	0.035
44.356	0.027	44.375	-0.005	44.392	-0.021	44.408	-0.005
44.417	0.007	44.430	0.026	44.442	0.030	44.465	0.006
44.485	-0.010	44.511	0.006	44.532	0.018	44.548	0.029
44.568	0.041	44.586	0.036	44.602	0.020	44.614	0.012
44.628	0.007	44.647	0.019	44.663	0.006	44.674	0.002
44.682	0.002	44.707	-0.003	44.719	-0.007	44.739	-0.012
44.750	0.000	44.769	0.011	44.784	0.027	44.808	0.018
44.824	0.009	44.834	0.005	44.850	0.008	44.866	0.015
44.890	0.030	44.906	0.022	44.916	0.013	44.929	0.005
44.942	-0.007	44.958	-0.004	44.976	0.003	44.990	0.011
45.003	0.006	45.024	-0.007	45.033	-0.019	45.056	-0.019
45.073	-0.012	45.088	-0.008	45.105	-0.012	45.118	-0.012
45.133	-0.009	45.150	0.007	45.169	0.011	45.185	0.006
45.193	-0.002	45.207	-0.014	45.221	-0.026	45.235	-0.030
45.253	-0.034	45.269	-0.027	45.284	-0.023	45.299	-0.023
45.309	-0.027	45.328	-0.039	45.344	-0.047	45.360	-0.047
45.375	-0.031	45.390	-0.008	45.410	0.008	45.423	-0.000
45.435	-0.008	45.459	-0.012	45.470	0.003	45.486	0.011
45.501	0.023	45.514	0.011	45.528	-0.009	45.543	-0.013
45.563	-0.018	45.577	-0.010	45.590	-0.003	45.609	-0.011
45.623	-0.012	45.636	-0.021	45.652	-0.037	45.664	-0.034
45.681	-0.022	45.692	-0.011	45.709	-0.008	45.726	-0.008
45.741	-0.013	45.753	-0.010	45.765	0.001	45.780	0.012
45.794	0.015	45.811	0.006	45.819	0.006	45.843	-0.012
45.858	-0.013	45.873	-0.014	45.882	-0.002	45.904	-0.004
45.916	-0.004	45.928	-0.009	45.941	-0.010	45.961	-0.015
45.982	-0.020	45.994	-0.009	46.007	0.011	46.020	0.006
46.037	0.006	46.052	0.010	46.068	0.013	46.088	0.017
46.103	0.028	46.114	0.036	46.136	0.047	46.153	0.051
46.176	0.050	46.197	0.042	46.212	0.043	46.231	0.027
46.241	0.023	46.257	0.007	46.260	0.003	46.264	-0.001
46.267	-0.005	46.271	-0.005	46.296	-0.021	46.320	-0.033
46.336	-0.030	46.358	-0.010	46.377	0.005	46.393	0.017
46.412	0.033	46.429	0.036	46.441	0.032	46.460	0.024
46.475	0.020	46.487	0.008	46.503	0.011	46.518	-0.001
46.529	-0.005	46.539	-0.005	46.551	-0.009	46.562	-0.001
46.575	-0.018	46.593	-0.034	46.600	-0.030	46.618	-0.026
46.629	-0.018	46.644	-0.015	46.655	-0.019	46.666	-0.027
46.680	-0.024	46.694	-0.032	46.706	-0.032	46.716	-0.029
46.725	-0.017	46.735	-0.009	46.749	0.006	46.754	0.010
46.764	0.014	46.773	0.009	46.782	-0.003	46.789	-0.011
46.798	-0.015	46.805	-0.031	46.813	-0.035	46.823	-0.032
46.832	-0.024	46.842	-0.016	46.854	-0.005	46.864	0.003
46.871	0.007	46.879	0.007	46.889	-0.002	46.901	-0.014

46.912	-0.018	46.921	-0.022	46.933	-0.018	46.943	-0.018
46.956	-0.015	46.969	-0.023	46.976	-0.023	46.994	-0.011
47.007	-0.023	47.023	-0.024	47.037	-0.036	47.054	-0.028
47.067	-0.040	47.082	-0.029	47.100	-0.025	47.115	-0.029
47.134	-0.021	47.152	-0.010	47.167	-0.006	47.178	-0.006
47.191	-0.002	47.203	-0.002	47.222	0.002	47.235	0.002
47.248	0.009	47.262	0.017	47.277	0.017	47.290	0.009
47.304	0.001	47.324	-0.011	47.340	-0.011	47.358	-0.015
47.373	-0.019	47.392	-0.027	47.409	-0.028	47.426	-0.028
47.441	-0.032	47.458	-0.028	47.473	-0.025	47.485	-0.021
47.499	-0.013	47.515	-0.009	47.534	-0.018	47.550	-0.014
47.565	-0.006	47.582	-0.014	47.592	-0.027	47.602	-0.035
47.614	-0.027	47.631	-0.023	47.646	0.000	47.658	-0.004
47.670	-0.012	47.683	-0.020	47.701	-0.029	47.715	-0.029
47.729	-0.017	47.746	-0.002	47.764	0.009	47.783	0.017
47.808	0.005	47.820	0.016	47.835	-0.000	47.856	0.007
47.874	0.007	47.894	0.010	47.914	0.018	47.933	0.014
47.954	-0.003	47.969	0.001	47.987	0.001	48.006	-0.003
48.024	-0.012	48.038	-0.012	48.050	-0.020	48.066	-0.032
48.087	-0.013	48.102	-0.001	48.116	-0.009	48.131	-0.029
48.146	-0.033	48.162	-0.038	48.178	-0.030	48.191	-0.014
48.201	-0.010	48.217	0.001	48.230	0.009	48.242	0.009
48.256	0.001	48.270	-0.007	48.286	-0.015	48.304	-0.015
48.329	0.000	48.347	0.016	48.369	0.012	48.398	0.007
48.427	-0.009	48.445	-0.025	48.468	-0.017	48.490	-0.010
48.514	0.002	48.533	0.014	48.550	0.017	48.570	0.001
48.591	0.001	48.607	-0.003	48.623	-0.011	48.643	-0.004
48.659	0.000	48.674	0.012	48.688	0.011	48.706	0.003
48.723	-0.009	48.740	-0.006	48.762	0.002	48.779	0.006
48.802	0.017	48.820	0.009	48.839	0.008	48.858	0.012
48.874	0.004	48.890	0.003	48.908	-0.005	48.927	0.002
48.943	0.001	48.963	-0.004	48.985	0.003	49.005	-0.005
49.023	-0.010	49.043	-0.019	49.063	-0.020	49.083	-0.005
49.098	-0.006	49.119	-0.003	49.139	0.008	49.160	-0.012
49.175	-0.013	49.194	-0.014	49.212	0.002	49.231	-0.007
49.246	-0.008	49.261	-0.036	49.276	-0.037	49.294	-0.026
49.312	-0.006	49.335	0.024	49.350	0.024	49.373	0.003
49.394	-0.014	49.411	-0.014	49.430	-0.022	49.448	-0.015
49.460	-0.023	49.472	-0.023	49.484	-0.031	49.494	-0.035
49.511	-0.043	49.531	-0.040	49.549	-0.032	49.570	-0.040
49.589	-0.045	49.617	-0.041	49.640	-0.041	49.663	-0.038
49.679	-0.034	49.696	-0.014	49.711	-0.034	49.721	-0.030
49.739	-0.026	49.754	-0.014	49.767	-0.002	49.788	-0.010
49.803	-0.018	49.819	-0.030	49.840	-0.003	49.862	-0.007
49.881	0.001	49.898	0.001	49.916	-0.003	49.937	0.005
49.957	0.013	49.977	0.017	49.996	0.009	50.013	0.001
50.032	-0.015	50.053	-0.015	50.072	-0.019	50.097	-0.008
50.114	-0.004	50.130	0.004	50.148	0.012	50.168	0.016
50.190	0.023	50.205	0.023	50.221	0.011	50.234	-0.001
50.249	-0.017	50.273	-0.017	50.301	-0.018	50.317	-0.010
50.331	-0.002	50.351	-0.006	50.369	-0.007	50.385	0.009
50.399	0.021	50.416	0.016	50.430	0.000	50.447	-0.028
50.464	-0.028	50.482	-0.016	50.498	-0.009	50.513	-0.017
50.535	-0.029	50.550	-0.033	50.565	-0.018	50.583	0.026
50.597	0.037	50.612	0.009	50.630	-0.058	50.644	-0.098
50.659	-0.086	50.678	0.005	50.687	0.016	50.699	-0.012

50.721	-0.079	50.731	-0.091	50.746	-0.060	50.765	0.051
50.778	0.067	50.791	0.043	50.811	-0.037	50.828	-0.073
50.847	-0.065	50.867	-0.042	50.880	-0.026	50.896	-0.026
50.922	-0.031	50.936	-0.047	50.951	-0.047	50.982	0.009
50.997	0.028	51.015	0.004	51.031	-0.016	51.050	-0.028
51.078	-0.028	51.098	-0.004	51.116	0.008	51.132	0.015
51.145	0.015	51.165	0.007	51.187	0.015	51.207	0.011
51.233	0.015	51.252	0.023	51.273	0.003	51.290	0.003
51.310	0.011	51.340	0.011	51.365	0.007	51.388	0.007
51.401	0.007	51.423	0.015	51.447	0.015	51.463	0.011
51.485	0.019	51.503	0.023	51.521	0.015	51.552	-0.017
51.572	-0.013	51.591	-0.005	51.611	-0.006	51.628	-0.018
51.641	-0.022	51.658	-0.034	51.681	-0.022	51.706	-0.014
51.728	-0.006	51.748	-0.011	51.765	-0.019	51.790	-0.011
51.814	-0.011	51.832	-0.011	51.850	-0.019	51.866	-0.019
51.888	-0.004	51.909	0.016	51.928	0.020	51.954	0.028
51.970	0.015	51.986	0.011	52.001	-0.001	52.015	-0.013
52.035	0.003	52.051	0.019	52.068	0.039	52.082	0.038
52.103	0.050	52.119	0.046	52.135	0.018	52.153	0.006
52.176	-0.006	52.199	-0.026	52.216	-0.030	52.234	-0.031
52.260	-0.007	52.281	0.016	52.298	0.020	52.314	0.016
52.335	0.004	52.355	-0.008	52.373	-0.001	52.391	-0.005
52.413	-0.013	52.436	-0.005	52.462	-0.006	52.487	-0.006
52.509	-0.003	52.529	-0.003	52.551	-0.007	52.572	0.000
52.595	0.008	52.617	0.004	52.642	0.007	52.661	0.007
52.681	0.007	52.706	-0.002	52.725	-0.006	52.744	-0.014
52.764	-0.010	52.779	-0.022	52.798	-0.042	52.815	-0.039
52.829	-0.035	52.843	-0.031	52.864	-0.039	52.878	-0.039
52.898	-0.036	52.917	-0.032	52.932	-0.032	52.951	-0.020
52.973	-0.012	52.990	-0.000	53.008	0.008	53.026	-0.004
53.048	-0.008	53.066	-0.000	53.087	-0.001	53.101	-0.012
53.123	-0.009	53.149	0.003	53.173	0.003	53.206	-0.001
53.229	0.011	53.252	0.003	53.282	-0.005	53.304	0.003
53.327	0.006	53.354	0.006	53.371	-0.002	53.392	-0.006
53.412	-0.010	53.434	-0.002	53.454	-0.002	53.473	0.013
53.493	0.017	53.511	0.025	53.532	0.032	53.549	0.020
53.570	0.032	53.591	0.036	53.609	0.035	53.625	0.023
53.643	-0.001	53.663	0.011	53.688	-0.005	53.709	-0.010
53.734	-0.002	53.759	0.018	53.785	0.001	53.802	0.029
53.827	0.017	53.855	0.012	53.883	0.028	53.900	0.032
53.932	0.019	53.960	0.007	53.981	-0.002	54.001	-0.006
54.025	-0.007	54.045	-0.007	54.062	-0.019	54.080	-0.012
54.096	-0.020	54.115	-0.012	54.131	-0.025	54.149	-0.022
54.170	-0.018	54.184	-0.015	54.196	0.000	54.209	-0.020
54.219	-0.017	54.248	0.002	54.265	-0.011	54.285	-0.011
54.302	-0.020	54.321	-0.025	54.341	-0.022	54.363	-0.015
54.378	-0.011	54.397	-0.016	54.414	-0.021	54.429	-0.021
54.443	-0.026	54.463	-0.015	54.485	-0.008	54.506	-0.001
54.523	-0.009	54.541	-0.026	54.557	-0.019	54.575	0.020
54.599	-0.025	54.609	-0.041	54.632	0.018	54.642	0.025
54.663	-0.003	54.685	-0.047	54.701	-0.039	54.723	-0.004
54.734	0.019	54.744	-0.009	54.763	-0.056	54.777	-0.037
54.796	0.006	54.806	0.014	54.818	0.006	54.836	-0.010
54.848	-0.014	54.864	-0.007	54.889	0.032	54.902	0.012
54.924	-0.040	54.938	-0.048	54.956	-0.032	54.978	-0.000
54.991	0.008	55.013	-0.036	55.028	-0.032	55.053	-0.012

55.075	0.011	55.089	0.007	55.104	-0.009	55.124	-0.020
55.146	-0.009	55.172	-0.009	55.189	0.003	55.201	-0.001
55.221	-0.057	55.231	-0.053	55.251	-0.033	55.271	-0.010
55.289	-0.010	55.310	-0.022	55.336	-0.010	55.352	-0.038
55.376	-0.062	55.388	-0.042	55.410	-0.023	55.423	-0.035
55.438	-0.055	55.453	-0.036	55.476	-0.020	55.496	-0.020
55.512	-0.017	55.536	-0.049	55.549	-0.037	55.577	-0.006
55.603	0.002	55.637	0.001	55.676	-0.003	55.695	-0.007
55.714	0.028	55.726	0.024	55.746	-0.012	55.761	-0.020
55.782	-0.016	55.801	-0.008	55.822	-0.004	55.843	0.007
55.862	-0.013	55.878	-0.013	55.893	-0.009	55.924	0.003
55.950	0.023	55.979	0.011	56.007	0.015	56.027	0.011
56.067	0.006	56.088	-0.017	56.108	-0.010	56.127	-0.002
56.143	0.002	56.161	0.010	56.176	-0.002	56.194	-0.014
56.213	-0.006	56.230	0.001	56.243	0.001	56.264	-0.023
56.284	-0.043	56.302	-0.031	56.320	-0.031	56.339	-0.031
56.357	-0.051	56.373	-0.043	56.394	-0.043	56.408	-0.039
56.424	-0.044	56.454	-0.036	56.486	-0.028	56.512	-0.040
56.543	-0.028	56.564	-0.024	56.583	-0.024	56.610	-0.044
56.629	-0.032	56.646	-0.025	56.670	-0.021	56.691	-0.025
56.718	-0.037	56.738	-0.037	56.760	-0.025	56.783	-0.025
56.807	-0.033	56.824	-0.037	56.850	-0.025	56.878	-0.002
56.899	0.010	56.920	-0.018	56.939	-0.034	56.961	-0.034
57.001	-0.011	57.026	0.001	57.066	-0.031	57.083	-0.035
57.110	-0.031	57.145	-0.032	57.171	-0.024	57.208	-0.001
57.232	-0.001	57.272	0.003	57.294	-0.002	57.321	0.014
57.347	0.018	57.379	-0.003	57.418	0.001	57.455	0.001
57.492	0.001	57.526	-0.008	57.551	-0.004	57.583	-0.004
57.611	0.004	57.645	0.019	57.666	0.019		

IG114
71.064 2/9/71 0600PST PALMDALE FIRE STA. STORAGE ROOM S30W

3057 POINTS 57.669 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1711 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.101	0.014	-0.049	0.025	0.018	0.030	0.046
0.042	-0.025	0.056	0.007	0.060	0.051	0.066	0.031
0.077	0.031	0.083	0.003	0.094	0.035	0.102	0.071
0.108	0.044	0.115	0.028	0.124	0.052	0.136	0.036
0.145	-0.023	0.155	0.009	0.162	0.032	0.171	0.013
0.179	-0.023	0.183	-0.027	0.199	0.065	0.220	-0.034
0.226	-0.042	0.241	-0.026	0.249	0.022	0.254	0.058
0.261	0.090	0.276	0.054	0.285	0.015	0.296	-0.021
0.308	-0.060	0.321	-0.017	0.337	0.055	0.344	0.059
0.353	0.107	0.366	0.056	0.385	0.238	0.392	0.195
0.400	0.064	0.407	0.044	0.414	0.056	0.421	0.060
0.437	-0.182	0.445	-0.261	0.450	-0.201	0.458	-0.114
0.463	-0.094	0.469	-0.130	0.477	-0.181	0.478	-0.201
0.487	-0.150	0.499	-0.027	0.504	-0.015	0.508	-0.030
0.515	-0.070	0.516	-0.086	0.521	-0.062	0.532	0.057
0.538	0.081	0.542	0.061	0.552	0.029	0.558	0.065
0.566	0.172	0.573	0.232	0.579	0.248	0.585	0.216
0.596	0.125	0.604	0.074	0.616	0.062	0.623	0.022
0.630	-0.025	0.639	-0.105	0.649	-0.140	0.660	-0.152
0.669	-0.136	0.679	-0.092	0.686	-0.061	0.693	-0.029
0.699	-0.029	0.706	-0.056	0.715	-0.084	0.721	-0.036
0.733	0.059	0.742	0.103	0.752	0.099	0.761	0.083
0.774	0.095	0.780	0.087	0.789	0.083	0.802	0.155
0.821	-0.012	0.828	-0.020	0.835	-0.004	0.845	0.000
0.852	-0.059	0.858	-0.143	0.866	-0.198	0.874	-0.139
0.888	-0.051	0.894	-0.039	0.897	-0.079	0.905	-0.127
0.912	-0.139	0.919	-0.083	0.931	0.032	0.937	0.072
0.946	0.048	0.951	0.012	0.955	0.008	0.968	0.040
0.976	0.103	1.003	0.492	1.023	0.718	1.032	0.774
1.039	0.738	1.048	0.631	1.056	0.250	1.071	-0.428
1.083	-1.003	1.092	-1.309	1.094	-1.416	1.101	-1.491
1.106	-1.503	1.113	-1.404	1.120	-1.031	1.135	-0.317
1.142	0.278	1.147	0.647	1.154	0.746	1.158	0.770
1.165	0.715	1.177	0.394	1.186	0.061	1.193	-0.134
1.198	-0.201	1.201	-0.233	1.209	-0.165	1.220	0.228
1.230	0.545	1.238	0.799	1.242	0.879	1.246	0.899
1.255	0.855	1.267	0.455	1.279	0.094	1.292	-0.196
1.302	-0.354	1.311	-0.485	1.318	-0.532	1.325	-0.489
1.337	-0.096	1.350	0.170	1.355	0.262	1.361	0.286
1.368	0.266	1.376	0.202	1.389	0.052	1.401	-0.107

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
1.411	-0.249	1.419	-0.313	1.424	-0.344	1.431	-0.316
1.439	-0.237	1.448	-0.173	1.456	-0.149	1.463	-0.177
1.475	-0.276	1.484	-0.300	1.491	-0.240	1.507	-0.049
1.521	0.205	1.533	0.506	1.542	0.756	1.551	0.899
1.556	0.907	1.564	0.832	1.580	0.400	1.597	-0.072
1.610	-0.413	1.614	-0.528	1.620	-0.583	1.624	-0.591
1.631	-0.555	1.637	-0.504	1.643	-0.420	1.648	-0.297
1.658	-0.048	1.666	0.056	1.675	0.222	1.682	0.250
1.689	0.222	1.701	0.075	1.712	-0.179	1.719	-0.290
1.726	-0.326	1.736	-0.338	1.742	-0.338	1.750	-0.318
1.757	-0.306	1.765	-0.262	1.777	-0.108	1.787	0.079
1.795	0.170	1.802	0.201	1.812	0.221	1.823	0.257
1.832	0.269	1.833	0.280	1.844	0.237	1.850	0.114
1.864	-0.144	1.873	-0.271	1.878	-0.331	1.883	-0.351
1.891	-0.275	1.901	-0.117	1.912	0.157	1.918	0.296
1.929	0.550	1.936	0.665	1.942	0.708	1.951	0.669
1.965	0.204	1.974	-0.113	1.985	-0.629	1.992	-0.855
1.999	-0.974	2.004	-1.017	2.011	-0.950	2.023	-0.656
2.034	-0.248	2.046	0.093	2.054	0.296	2.062	0.363
2.066	0.375	2.073	0.268	2.081	0.121	2.090	-0.125
2.095	-0.220	2.101	-0.232	2.106	-0.220	2.112	-0.156
2.117	-0.101	2.123	-0.053	2.127	-0.037	2.135	-0.053
2.142	-0.101	2.148	-0.125	2.155	-0.093	2.163	0.010
2.177	0.101	2.190	0.153	2.197	0.169	2.204	0.169
2.214	0.133	2.222	0.030	2.231	-0.124	2.237	-0.267
2.245	-0.318	2.247	-0.330	2.255	-0.302	2.262	-0.275
2.267	-0.263	2.274	-0.318	2.285	-0.488	2.294	-0.659
2.301	-0.778	2.305	-0.833	2.313	-0.829	2.324	-0.734
2.334	-0.543	2.342	-0.115	2.355	0.195	2.361	0.489
2.367	0.616	2.376	0.695	2.382	0.707	2.393	0.675
2.400	0.640	2.405	0.612	2.410	0.616	2.414	0.644
2.421	0.704	2.428	0.767	2.437	0.783	2.444	0.771
2.450	0.756	2.458	0.728	2.466	0.641	2.478	0.403
2.490	0.284	2.500	0.157	2.514	-0.073	2.523	-0.358
2.538	-0.854	2.553	-1.187	2.559	-1.302	2.564	-1.330
2.569	-1.298	2.580	-0.976	2.588	-0.544	2.598	-0.238
2.609	0.206	2.622	0.500	2.632	0.643	2.640	0.722
2.644	0.750	2.652	0.710	2.664	0.540	2.676	0.282
2.683	0.147	2.691	0.013	2.697	-0.019	2.704	-0.039
2.711	0.017	2.724	0.314	2.735	0.652	2.741	0.870

2.747	0.949	2.754	1.017	2.764	0.989	2.777	0.751
2.791	0.263	2.812	-0.193	2.831	-0.637	2.838	-0.733
2.844	-0.768	2.849	-0.808	2.853	-0.760	2.860	-0.709
2.868	-0.522	2.877	-0.288	2.885	-0.078	2.898	0.243
2.907	0.465	2.916	0.676	2.921	0.723	2.926	0.747
2.936	0.652	2.949	0.450	2.960	0.358	2.970	0.311
2.974	0.315	2.981	0.315	2.988	0.311	2.999	0.275
3.007	0.085	3.017	-0.134	3.027	-0.368	3.037	-0.530
3.046	-0.610	3.056	-0.638	3.062	-0.661	3.070	-0.626
3.079	-0.550	3.088	-0.376	3.096	-0.114	3.104	0.171
3.113	0.322	3.118	0.374	3.125	0.378	3.131	0.338
3.137	0.235	3.149	-0.102	3.156	-0.277	3.161	-0.376
3.168	-0.412	3.177	-0.352	3.189	-0.166	3.197	0.163
3.207	0.302	3.212	0.365	3.219	0.397	3.220	0.393
3.231	0.357	3.238	0.278	3.244	0.103	3.252	-0.083
3.257	-0.230	3.261	-0.254	3.268	-0.242	3.277	-0.147
3.286	-0.008	3.291	0.115	3.299	0.214	3.305	0.302
3.314	0.405	3.328	0.579	3.336	0.635	3.343	0.675
3.355	0.615	3.365	0.544	3.376	0.480	3.385	0.413
3.396	0.251	3.406	-0.011	3.416	-0.217	3.424	-0.289
3.436	-0.416	3.450	-0.503	3.467	-0.570	3.479	-0.618
3.491	-0.626	3.502	-0.622	3.510	-0.578	3.523	-0.392
3.530	-0.078	3.538	0.148	3.550	0.354	3.560	0.398
3.568	0.390	3.583	0.311	3.589	0.215	3.616	-0.253
3.634	-0.356	3.653	-0.328	3.673	-0.431	3.693	-0.118
3.705	-0.035	3.717	-0.098	3.725	-0.265	3.733	-0.332
3.741	-0.280	3.799	0.426	3.811	0.485	3.836	0.441
3.866	0.564	3.890	0.453	3.913	0.560	3.920	0.517
3.950	0.045	3.959	-0.007	3.972	0.033	3.990	0.192
4.002	0.243	4.016	0.176	4.035	-0.070	4.045	-0.146
4.058	-0.046	4.096	0.366	4.110	0.418	4.134	0.358
4.166	-0.427	4.182	-0.594	4.201	-0.515	4.234	0.080
4.245	0.164	4.258	0.096	4.309	-0.296	4.325	-0.364
4.343	-0.273	4.376	0.302	4.390	0.386	4.427	0.167
4.463	0.370	4.475	0.278	4.504	-0.317	4.522	-0.432
4.537	-0.357	4.562	-0.103	4.579	-0.031	4.616	-0.186
4.644	-0.039	4.673	0.017	4.689	-0.046	4.703	-0.201
4.714	-0.272	4.724	-0.212	4.750	0.030	4.763	0.086
4.781	-0.009	4.797	-0.295	4.810	-0.402	4.825	-0.330
4.847	0.019	4.856	0.099	4.867	0.019	4.884	-0.203
4.902	-0.266	4.919	-0.171	4.941	0.599	4.957	0.742
4.968	0.659	4.980	0.215	4.999	0.112	5.018	0.227
5.033	0.259	5.052	0.187	5.068	-0.062	5.088	-0.181
5.105	-0.078	5.158	0.540	5.176	0.654	5.214	0.368
5.231	0.416	5.265	0.264	5.289	-0.145	5.299	-0.240
5.308	-0.169	5.330	0.263	5.369	0.346	5.390	0.187
5.399	0.163	5.424	0.223	5.435	0.155	5.466	-0.293
5.492	-0.460	5.505	-0.353	5.530	-0.048	5.539	0.023
5.577	0.071	5.604	-0.052	5.659	0.127	5.667	0.051
5.693	-0.246	5.706	-0.313	5.720	-0.222	5.735	-0.004
5.750	0.076	5.773	0.008	5.794	0.009	5.820	-0.138
5.844	-0.098	5.870	-0.189	5.905	-0.673	5.932	-0.827
5.946	-0.720	5.991	0.058	6.006	0.165	6.022	0.050
6.038	-0.342	6.053	-0.493	6.069	-0.354	6.118	0.352
6.130	0.452	6.144	0.329	6.186	-0.356	6.201	-0.455
6.215	-0.368	6.232	-0.018	6.242	0.026	6.266	-0.025

6.292	0.007	6.316	-0.048	6.323	0.043	6.349	0.440
6.366	0.512	6.395	0.421	6.408	0.307	6.423	-0.074
6.444	-0.200	6.455	-0.085	6.479	0.550	6.498	0.741
6.513	0.753	6.563	0.417	6.581	0.346	6.602	0.386
6.633	0.271	6.657	0.271	6.679	0.180	6.706	0.306
6.723	0.263	6.742	0.306	6.766	0.243	6.794	0.247
6.821	0.441	6.861	0.449	6.913	0.187	6.939	-0.344
6.956	-0.416	6.972	-0.349	7.006	0.107	7.020	0.218
7.038	0.107	7.058	-0.218	7.078	-0.349	7.106	-0.239
7.127	-0.251	7.164	-0.016	7.180	0.027	7.192	-0.008
7.216	-0.108	7.270	0.210	7.281	0.258	7.295	0.178
7.325	-0.460	7.345	-0.607	7.363	-0.496	7.381	-0.158
7.396	-0.059	7.411	-0.178	7.438	-0.535	7.453	-0.654
7.494	-0.423	7.508	-0.368	7.530	-0.415	7.543	-0.348
7.572	-0.042	7.584	0.026	7.595	-0.018	7.626	-0.244
7.637	-0.307	7.650	-0.228	7.682	0.343	7.693	0.414
7.704	0.375	7.716	0.236	7.726	0.180	7.743	0.112
7.759	0.089	7.770	0.116	7.782	0.168	7.794	0.191
7.823	0.136	7.831	0.088	7.845	0.001	7.852	-0.047
7.862	-0.007	7.902	0.631	7.916	0.698	7.928	0.674
7.953	0.373	7.969	0.270	7.987	0.365	7.997	0.404
8.009	0.365	8.028	0.277	8.048	0.131	8.061	0.091
8.071	0.134	8.090	0.293	8.096	0.329	8.121	0.214
8.140	0.237	8.197	-0.167	8.216	-0.262	8.229	-0.183
8.251	0.071	8.267	0.122	8.317	0.012	8.337	0.214
8.351	0.270	8.370	0.190	8.445	-0.353	8.461	-0.448
8.478	-0.504	8.485	-0.504	8.504	-0.547	8.537	-0.444
8.550	-0.472	8.589	-0.155	8.599	-0.092	8.615	-0.040
8.646	-0.028	8.675	0.043	8.706	-0.076	8.713	-0.068
8.758	0.300	8.768	0.364	8.780	0.304	8.809	-0.148
8.826	-0.279	8.835	-0.220	8.866	0.149	8.880	0.216
8.892	0.184	8.920	0.045	8.952	0.136	8.960	0.120
8.984	0.037	9.008	0.005	9.041	0.081	9.064	-0.019
9.074	-0.046	9.085	-0.026	9.121	0.061	9.136	0.081
9.148	0.014	9.173	-0.308	9.185	-0.407	9.200	-0.367
9.239	-0.049	9.254	0.007	9.275	-0.072	9.300	-0.001
9.319	-0.060	9.353	0.147	9.373	0.151	9.413	0.346
9.454	0.453	9.461	0.406	9.485	0.231	9.510	0.132
9.543	0.315	9.551	0.275	9.588	-0.451	9.611	-0.661
9.623	-0.610	9.645	-0.328	9.655	-0.253	9.706	-0.486
9.751	-0.244	9.769	-0.208	9.824	0.241	9.840	0.304
9.852	0.269	9.870	0.047	9.880	-0.005	9.895	0.071
9.927	0.412	9.940	0.468	9.954	0.429	10.000	0.207
10.011	0.192	10.043	0.316	10.048	0.340	10.077	0.218
10.102	0.279	10.122	0.176	10.149	0.268	10.219	-0.352
10.233	-0.407	10.253	-0.363	10.273	-0.382	10.321	-0.277
10.351	-0.070	10.359	-0.042	10.385	-0.152	10.400	-0.171
10.427	0.016	10.436	0.044	10.455	0.029	10.483	0.093
10.497	0.082	10.534	0.226	10.558	0.436	10.569	0.476
10.596	0.211	10.621	0.029	10.641	-0.158	10.647	-0.185
10.666	-0.110	10.677	-0.086	10.717	-0.172	10.733	-0.101
10.744	-0.093	10.764	-0.108	10.783	-0.056	10.799	-0.001
10.817	-0.004	10.836	-0.071	10.855	-0.174	10.881	-0.475
10.901	-0.566	10.925	-0.486	10.955	0.010	10.969	0.098
10.983	0.067	11.003	0.015	11.017	0.028	11.051	0.377
11.059	0.429	11.089	0.271	11.098	0.299	11.157	0.614

11.169	0.646	11.209	0.500	11.232	0.493	11.274	0.244
11.306	0.205	11.362	-0.092	11.396	0.091	11.436	-0.262
11.456	-0.278	11.484	-0.349	11.511	-0.233	11.537	-0.067
11.582	-0.423	11.642	0.153	11.653	0.201	11.671	0.137
11.696	-0.156	11.703	-0.195	11.719	-0.144	11.745	0.166
11.755	0.210	11.771	0.155	11.799	-0.107	11.812	-0.151
11.847	0.015	11.885	-0.219	11.906	-0.303	11.942	-0.188
11.966	-0.173	12.000	-0.058	12.023	-0.046	12.060	0.020
12.096	0.030	12.161	0.523	12.177	0.570	12.191	0.538
12.237	0.218	12.277	0.574	12.280	0.546	12.283	0.514
12.286	0.432	12.290	0.450	12.293	0.418	12.309	0.196
12.328	-0.035	12.348	-0.111	12.367	-0.170	12.381	-0.186
12.403	-0.123	12.420	-0.083	12.439	-0.158	12.458	-0.285
12.475	-0.436	12.494	-0.603	12.511	-0.702	12.525	-0.638
12.547	-0.357	12.561	-0.274	12.581	-0.214	12.606	-0.131
12.626	0.060	12.646	0.199	12.662	0.103	12.679	-0.036
12.693	-0.067	12.710	-0.004	12.733	0.143	12.753	0.020
12.779	-0.214	12.792	-0.293	12.812	-0.218	12.838	-0.059
12.864	0.103	12.882	0.206	12.907	0.258	12.926	0.191
12.935	0.119	12.952	0.044	12.975	0.147	12.995	0.334
13.008	0.362	13.030	0.255	13.054	0.100	13.073	0.044
13.095	0.029	13.114	-0.015	13.135	-0.098	13.156	-0.217
13.180	-0.296	13.209	-0.165	13.229	-0.043	13.245	-0.019
13.266	0.047	13.292	0.063	13.318	0.161	13.340	0.240
13.364	0.136	13.380	0.001	13.399	-0.059	13.423	-0.104
13.442	-0.025	13.461	0.081	13.483	0.218	13.495	0.229
13.517	0.149	13.533	-0.027	13.547	-0.139	13.557	-0.183
13.577	-0.137	13.588	-0.110	13.611	-0.163	13.620	-0.171
13.639	-0.081	13.655	0.045	13.670	0.127	13.683	0.170
13.707	0.086	13.725	0.042	13.741	0.105	13.754	0.132
13.773	0.038	13.794	-0.020	13.814	-0.179	13.832	-0.148
13.850	-0.021	13.877	0.101	13.898	0.231	13.916	0.333
13.937	0.286	13.960	0.262	13.983	0.246	14.015	0.294
14.038	0.214	14.061	0.056	14.081	-0.143	14.101	-0.353
14.123	-0.408	14.146	-0.389	14.176	-0.158	14.196	-0.063
14.216	-0.147	14.231	-0.254	14.249	-0.373	14.269	-0.436
14.288	-0.404	14.305	-0.321	14.326	-0.166	14.337	-0.155
14.358	-0.230	14.382	-0.277	14.393	-0.274	14.413	-0.214
14.431	-0.135	14.455	-0.024	14.476	0.083	14.488	0.107
14.507	0.056	14.528	-0.055	14.542	-0.091	14.562	-0.039
14.579	0.036	14.598	0.060	14.625	0.032	14.652	0.008
14.682	-0.016	14.710	0.020	14.737	0.072	14.762	0.111
14.788	0.056	14.800	0.028	14.830	0.147	14.860	0.206
14.886	0.206	14.910	0.187	14.936	0.175	14.951	0.147
14.978	0.167	15.006	0.087	15.024	0.068	15.057	0.159
15.085	0.222	15.109	0.115	15.130	0.016	15.158	0.004
15.183	-0.127	15.204	-0.198	15.221	-0.186	15.244	-0.274
15.256	-0.297	15.277	-0.222	15.300	-0.135	15.318	-0.063
15.345	0.036	15.367	0.123	15.386	0.159	15.404	0.143
15.424	0.115	15.447	0.099	15.460	0.087	15.478	0.127
15.499	0.131	15.527	0.167	15.550	0.175	15.579	0.226
15.600	0.151	15.607	0.119	15.639	0.151	15.663	0.111
15.687	-0.016	15.711	-0.099	15.738	-0.079	15.761	-0.166
15.776	-0.206	15.796	-0.182	15.816	-0.107	15.842	-0.071
15.868	-0.063	15.888	-0.095	15.912	-0.155	15.926	-0.194
15.943	-0.206	15.964	-0.270	15.978	-0.333	15.994	-0.361

16.011	-0.333	16.033	-0.218	16.055	-0.091	16.077	-0.016
16.102	0.068	16.129	0.127	16.158	0.187	16.183	0.099
16.200	0.008	16.223	-0.039	16.259	0.000	16.291	-0.067
16.324	-0.131	16.349	-0.158	16.374	-0.170	16.400	-0.162
16.413	-0.135	16.434	-0.198	16.446	-0.226	16.473	-0.143
16.498	-0.075	16.518	-0.095	16.534	-0.115	16.550	-0.143
16.573	-0.182	16.597	-0.155	16.625	0.036	16.646	0.210
16.667	0.310	16.690	0.333	16.716	0.278	16.739	0.226
16.764	0.175	16.790	0.218	16.814	0.139	16.835	0.087
16.872	0.147	16.890	0.187	16.913	0.163	16.940	0.158
16.967	0.182	16.989	0.114	17.002	0.078	17.031	0.090
17.057	0.077	17.074	0.101	17.095	0.140	17.114	0.092
17.125	0.092	17.144	0.131	17.158	0.154	17.174	0.122
17.201	0.129	17.222	0.097	17.240	0.076	17.265	0.096
17.285	0.111	17.302	0.098	17.314	0.106	17.334	0.161
17.350	0.220	17.368	0.243	17.389	0.211	17.408	0.127
17.427	0.091	17.450	0.126	17.480	0.170	17.507	0.106
17.533	-0.018	17.556	-0.081	17.582	-0.062	17.608	-0.078
17.634	-0.194	17.654	-0.285	17.673	-0.357	17.696	-0.381
17.719	-0.416	17.738	-0.460	17.757	-0.464	17.781	-0.412
17.803	-0.365	17.831	-0.270	17.856	-0.206	17.880	-0.162
17.898	-0.131	17.919	-0.162	17.940	-0.158	17.962	-0.214
17.991	-0.230	18.016	-0.202	18.038	-0.155	18.061	-0.095
18.086	-0.087	18.103	-0.071	18.125	-0.024	18.148	0.000
18.174	0.012	18.206	0.032	18.220	0.023	18.240	-0.009
18.263	-0.021	18.285	-0.029	18.308	0.054	18.326	0.101
18.353	0.085	18.366	0.097	18.387	0.176	18.411	0.279
18.432	0.318	18.458	0.329	18.477	0.305	18.496	0.293
18.522	0.320	18.539	0.347	18.563	0.264	18.585	0.180
18.613	0.143	18.633	0.107	18.657	0.048	18.670	0.044
18.692	0.115	18.713	0.191	18.739	0.131	18.759	0.108
18.782	0.119	18.804	0.119	18.821	0.092	18.845	-0.019
18.861	-0.091	18.885	-0.166	18.901	-0.182	18.926	-0.142
18.944	-0.142	18.966	-0.090	18.998	-0.070	19.027	-0.081
19.052	-0.057	19.073	0.011	19.099	0.066	19.124	0.019
19.149	-0.001	19.170	-0.056	19.190	-0.096	19.215	-0.056
19.243	0.027	19.285	0.027	19.311	-0.004	19.327	-0.040
19.353	0.000	19.378	-0.051	19.402	-0.095	19.424	-0.103
19.440	-0.095	19.459	-0.147	19.478	-0.190	19.509	-0.158
19.539	-0.107	19.574	-0.032	19.599	-0.004	19.621	-0.051
19.637	-0.067	19.661	-0.071	19.685	-0.127	19.712	-0.186
19.731	-0.198	19.759	-0.135	19.777	-0.083	19.807	-0.087
19.837	-0.051	19.864	-0.028	19.890	0.036	19.910	0.127
19.939	0.226	19.952	0.246	19.974	0.214	19.998	0.202
20.019	0.234	20.042	0.274	20.072	0.210	20.098	0.155
20.128	0.107	20.158	0.123	20.188	0.155	20.215	0.191
20.241	0.226	20.267	0.250	20.288	0.234	20.306	0.167
20.325	0.103	20.350	0.080	20.373	0.083	20.392	0.095
20.409	0.044	20.429	0.012	20.453	0.044	20.475	-0.004
20.496	-0.043	20.522	-0.020	20.555	0.016	20.584	-0.004
20.620	-0.047	20.647	-0.051	20.669	-0.051	20.692	-0.083
20.708	-0.051	20.734	-0.055	20.757	-0.016	20.786	0.004
20.812	-0.016	20.843	-0.020	20.859	-0.012	20.882	-0.063
20.901	-0.099	20.916	-0.147	20.935	-0.202	20.959	-0.222
20.979	-0.174	21.004	-0.139	21.027	-0.166	21.051	-0.210
21.078	-0.218	21.110	-0.158	21.133	-0.127	21.158	-0.051

21.177	-0.039	21.193	-0.087	21.215	-0.123	21.239	-0.198
21.252	-0.182	21.277	-0.115	21.309	-0.067	21.322	-0.063
21.344	-0.036	21.361	-0.020	21.376	-0.020	21.395	0.036
21.416	0.107	21.437	0.182	21.454	0.222	21.479	0.190
21.502	0.158	21.529	0.130	21.558	0.109	21.585	0.109
21.610	0.137	21.643	0.136	21.673	0.131	21.705	0.059
21.733	-0.001	21.758	-0.033	21.781	-0.002	21.807	-0.035
21.825	-0.051	21.856	-0.032	21.877	0.015	21.897	-0.021
21.916	-0.069	21.935	-0.053	21.956	-0.010	21.966	-0.006
21.985	-0.038	22.004	-0.054	22.029	-0.054	22.053	-0.055
22.074	-0.055	22.096	-0.023	22.115	0.016	22.141	0.036
22.164	0.028	22.193	0.020	22.226	0.040	22.244	0.068
22.259	0.087	22.282	0.060	22.308	-0.008	22.333	-0.024
22.361	-0.039	22.382	-0.043	22.400	0.028	22.418	0.091
22.438	0.139	22.454	0.167	22.473	0.167	22.495	0.095
22.518	0.040	22.540	0.016	22.566	-0.039	22.591	-0.008
22.610	0.020	22.635	0.004	22.657	0.004	22.678	0.008
22.698	-0.032	22.716	-0.055	22.731	-0.024	22.745	0.008
22.759	0.032	22.784	-0.004	22.803	-0.036	22.824	-0.036
22.834	-0.016	22.864	-0.091	22.888	-0.111	22.911	-0.091
22.928	-0.103	22.945	-0.107	22.966	-0.075	22.998	-0.051
23.022	-0.067	23.045	-0.099	23.063	-0.111	23.082	-0.043
23.101	0.016	23.121	0.068	23.145	0.119	23.167	0.095
23.186	0.083	23.211	0.119	23.231	0.135	23.251	0.099
23.270	0.091	23.286	0.083	23.309	0.099	23.332	0.111
23.352	0.080	23.372	0.040	23.399	0.016	23.425	-0.020
23.449	-0.020	23.477	0.042	23.496	0.050	23.518	0.073
23.538	0.045	23.561	0.013	23.585	0.009	23.607	0.052
23.626	0.036	23.645	0.019	23.666	0.053	23.694	0.044
23.713	0.031	23.728	0.022	23.749	0.009	23.771	0.039
23.786	0.027	23.797	0.006	23.802	0.010	23.806	0.013
23.812	0.013	23.841	0.052	23.860	0.052	23.888	0.056
23.904	0.083	23.918	0.107	23.935	0.068	23.948	0.028
23.971	0.004	23.981	0.016	23.995	0.036	24.013	0.044
24.045	-0.012	24.047	-0.012	24.075	-0.043	24.077	-0.043
24.095	-0.028	24.118	0.008	24.135	0.020	24.145	0.032
24.164	0.072	24.180	0.080	24.203	0.056	24.226	0.016
24.236	-0.008	24.249	-0.012	24.266	-0.039	24.292	-0.075
24.316	-0.087	24.326	-0.095	24.341	-0.087	24.358	-0.076
24.382	-0.060	24.416	-0.104	24.427	-0.120	24.444	-0.153
24.483	-0.134	24.500	-0.123	24.504	-0.119	24.541	-0.136
24.549	-0.136	24.599	-0.122	24.618	-0.115	24.637	-0.084
24.672	-0.097	24.688	-0.105	24.708	-0.098	24.729	-0.079
24.764	-0.064	24.782	-0.100	24.800	-0.104	24.809	-0.112
24.823	-0.136	24.844	-0.160	24.873	-0.149	24.898	-0.122
24.926	-0.082	24.940	-0.075	24.961	-0.083	24.978	-0.071
25.004	-0.028	25.017	-0.016	25.042	0.003	25.071	0.043
25.092	0.066	25.111	0.066	25.132	0.089	25.165	0.065
25.165	0.065	25.196	0.080	25.216	0.088	25.243	0.076
25.250	0.064	25.278	0.071	25.299	0.110	25.319	0.110
25.348	0.062	25.372	-0.006	25.383	-0.010	25.423	-0.018
25.448	0.029	25.456	0.076	25.474	0.124	25.511	0.108
25.539	0.080	25.540	0.076	25.568	0.096	25.588	0.115
25.609	0.084	25.623	0.064	25.627	0.060	25.652	0.032
25.674	0.012	25.684	0.012	25.701	-0.028	25.717	-0.052
25.733	-0.056	25.782	0.010	25.794	0.050	25.816	0.002

25.822	0.002	25.853	-0.014	25.885	0.016	25.909	-0.004
25.926	-0.025	25.940	-0.069	25.977	-0.129	25.998	-0.118
26.021	-0.099	26.054	-0.048	26.066	-0.049	26.123	-0.011
26.137	0.025	26.158	0.032	26.175	-0.008	26.178	0.016
26.199	0.031	26.221	0.015	26.228	-0.001	26.244	-0.009
26.260	-0.045	26.303	-0.082	26.312	-0.058	26.337	-0.015
26.370	0.001	26.380	0.001	26.419	-0.039	26.429	-0.059
26.460	-0.083	26.488	-0.067	26.513	-0.032	26.539	-0.016
26.555	-0.039	26.585	-0.039	26.600	-0.039	26.617	-0.055
26.645	-0.083	26.665	-0.111	26.680	-0.119	26.695	-0.139
26.711	-0.162	26.744	-0.194	26.775	-0.139	26.791	-0.095
26.812	-0.055	26.845	0.000	26.867	0.036	26.880	0.024
26.888	0.024	26.902	0.012	26.922	0.040	26.958	0.083
26.960	0.075	26.978	0.059	27.005	0.031	27.022	0.030
27.044	0.070	27.071	0.081	27.089	0.073	27.107	0.040
27.127	0.028	27.173	0.003	27.191	0.007	27.209	0.034
27.239	0.030	27.249	0.006	27.282	0.029	27.299	0.044
27.325	0.052	27.352	0.020	27.354	0.020	27.381	-0.001
27.425	0.007	27.448	-0.002	27.479	-0.038	27.498	-0.070
27.525	-0.074	27.554	-0.071	27.590	-0.071	27.609	-0.107
27.628	-0.116	27.650	-0.096	27.665	-0.081	27.693	-0.053
27.707	-0.073	27.723	-0.070	27.741	-0.066	27.785	-0.050
27.786	-0.058	27.818	-0.039	27.831	-0.027	27.863	-0.071
27.878	-0.071	27.902	-0.079	27.922	-0.059	27.927	-0.055
27.972	-0.067	27.992	-0.047	28.026	0.012	28.058	0.004
28.063	0.004	28.111	0.000	28.140	-0.028	28.147	-0.028
28.168	-0.004	28.206	0.028	28.229	0.024	28.249	0.008
28.270	0.044	28.313	0.036	28.328	0.044	28.373	0.080
28.402	0.056	28.419	0.052	28.443	0.044	28.470	0.056
28.501	0.056	28.533	-0.004	28.556	-0.005	28.569	-0.009
28.593	-0.017	28.617	-0.021	28.650	0.026	28.675	0.069
28.692	0.088	28.719	0.095	28.753	0.066	28.776	0.021
28.795	0.013	28.818	0.012	28.839	-0.005	28.873	-0.002
28.886	0.001	28.917	0.016	28.944	0.038	28.955	0.030
28.993	0.012	29.011	-0.020	29.040	-0.077	29.050	-0.085
29.058	-0.081	29.082	-0.070	29.107	-0.107	29.145	-0.072
29.165	-0.069	29.184	-0.097	29.208	-0.105	29.217	-0.086
29.239	-0.059	29.276	-0.079	29.295	-0.064	29.326	-0.064
29.356	-0.092	29.370	-0.128	29.385	-0.136	29.396	-0.132
29.433	-0.113	29.466	-0.122	29.486	-0.098	29.502	-0.063
29.513	-0.035	29.537	0.005	29.549	-0.015	29.578	-0.008
29.595	0.016	29.610	0.031	29.627	0.015	29.628	0.008
29.645	-0.016	29.671	-0.009	29.688	0.003	29.745	0.025
29.780	0.049	29.805	0.024	29.813	0.020	29.845	0.044
29.867	0.036	29.889	0.024	29.903	0.020	29.930	0.023
29.935	0.035	29.961	0.011	29.986	-0.001	30.020	-0.028
30.057	-0.055	30.061	-0.055	30.092	-0.034	30.124	-0.014
30.149	-0.033	30.183	-0.021	30.194	-0.021	30.234	-0.029
30.268	-0.017	30.283	-0.013	30.319	0.014	30.343	0.018
30.371	0.053	30.390	0.046	30.431	0.071	30.457	0.036
30.462	0.032	30.506	0.066	30.529	0.071	30.551	0.064
30.589	0.061	30.600	0.033	30.610	0.017	30.633	0.021
30.671	0.012	30.697	-0.033	30.712	-0.018	30.726	-0.019
30.760	-0.036	30.779	-0.085	30.799	-0.086	30.817	-0.091
30.844	-0.100	30.876	-0.093	30.918	-0.075	30.956	-0.084
30.979	-0.061	31.013	-0.034	31.034	-0.019	31.061	-0.028

31.079	-0.056	31.107	-0.037	31.139	-0.042	31.173	-0.018
31.206	-0.047	31.235	-0.063	31.236	-0.075	31.283	-0.039
31.292	-0.028	31.321	0.004	31.370	-0.004	31.375	0.008
31.396	0.020	31.437	-0.012	31.463	-0.024	31.483	-0.036
31.496	-0.032	31.535	-0.024	31.542	-0.028	31.585	-0.036
31.633	-0.024	31.642	-0.024	31.685	0.004	31.702	-0.016
31.737	-0.009	31.764	-0.041	31.774	-0.025	31.783	-0.037
31.812	-0.034	31.833	0.013	31.844	0.005	31.851	-0.019
31.880	0.000	31.901	-0.044	31.929	-0.057	31.954	-0.038
31.971	-0.010	31.993	-0.015	32.023	-0.012	32.025	-0.004
32.059	-0.018	32.073	-0.014	32.101	0.016	32.120	0.012
32.137	0.007	32.169	-0.010	32.174	0.002	32.207	0.029
32.224	0.016	32.245	0.023	32.268	-0.025	32.294	-0.041
32.332	-0.033	32.361	-0.070	32.390	-0.106	32.418	-0.086
32.430	-0.082	32.460	-0.115	32.464	-0.091	32.488	-0.059
32.529	-0.056	32.551	-0.056	32.582	-0.025	32.613	-0.036
32.644	-0.060	32.662	-0.060	32.688	-0.076	32.720	-0.033
32.734	0.007	32.740	0.019	32.761	-0.006	32.802	0.020
32.823	0.010	32.852	0.045	32.883	0.047	32.894	0.054
32.922	0.054	32.963	0.061	32.999	0.081	33.021	0.076
33.048	0.088	33.081	0.065	33.108	0.046	33.141	0.044
33.166	0.024	33.197	0.021	33.217	0.025	33.248	-0.007
33.267	-0.015	33.288	-0.050	33.320	-0.047	33.353	-0.028
33.386	-0.037	33.418	-0.006	33.453	0.016	33.460	-0.020
33.490	-0.052	33.506	-0.088	33.522	-0.096	33.554	-0.041
33.575	-0.053	33.586	-0.069	33.618	-0.093	33.643	-0.041
33.658	-0.029	33.687	-0.005	33.703	-0.009	33.745	-0.012
33.767	-0.024	33.790	-0.068	33.818	-0.067	33.840	-0.051
33.867	-0.036	33.898	-0.036	33.921	-0.028	33.947	-0.033
33.960	-0.053	34.004	-0.089	34.028	-0.093	34.053	-0.054
34.083	-0.035	34.094	-0.007	34.142	0.008	34.168	0.016
34.203	0.028	34.222	0.036	34.243	0.004	34.274	-0.008
34.302	0.000	34.327	0.008	34.362	0.016	34.380	-0.008
34.417	-0.000	34.443	0.008	34.467	0.035	34.497	0.047
34.505	0.055	34.533	0.011	34.570	-0.009	34.592	-0.032
34.627	-0.036	34.642	-0.017	34.684	-0.020	34.699	-0.008
34.734	-0.020	34.758	-0.004	34.767	-0.012	34.811	-0.063
34.818	-0.071	34.834	-0.071	34.857	-0.035	34.894	-0.023
34.919	-0.011	34.922	-0.007	34.962	-0.023	34.993	-0.066
35.022	-0.078	35.053	-0.078	35.075	-0.070	35.079	-0.058
35.098	-0.090	35.119	-0.078	35.135	-0.078	35.158	-0.090
35.184	-0.098	35.202	-0.090	35.206	-0.074	35.230	-0.042
35.241	-0.007	35.258	0.021	35.279	0.017	35.290	0.001
35.306	-0.027	35.322	-0.007	35.331	0.017	35.350	0.029
35.363	0.049	35.386	0.037	35.403	0.025	35.424	0.028
35.446	0.004	35.469	-0.004	35.480	0.008	35.498	0.012
35.505	0.020	35.526	0.015	35.547	-0.005	35.566	-0.021
35.586	0.019	35.604	0.042	35.628	0.070	35.641	0.062
35.664	0.014	35.684	-0.007	35.702	-0.035	35.717	-0.019
35.735	-0.008	35.761	-0.024	35.783	-0.032	35.798	-0.033
35.814	-0.021	35.837	-0.021	35.857	-0.030	35.879	-0.034
35.890	-0.034	35.897	-0.019	35.914	0.017	35.924	0.025
35.950	0.021	35.966	0.013	35.985	0.005	36.007	0.041
36.026	0.045	36.053	0.017	36.071	0.009	36.090	0.001
36.104	0.001	36.112	-0.019	36.128	-0.058	36.144	-0.058
36.152	-0.042	36.166	0.005	36.181	0.029	36.193	0.032

36.206	0.000	36.223	-0.044	36.239	-0.080	36.258	-0.060
36.267	-0.052	36.282	-0.069	36.299	-0.065	36.324	-0.061
36.333	-0.050	36.352	-0.034	36.374	-0.039	36.391	-0.039
36.395	-0.027	36.412	0.012	36.427	0.032	36.439	0.031
36.454	-0.013	36.471	-0.049	36.486	-0.054	36.502	-0.047
36.524	-0.040	36.543	-0.044	36.559	-0.029	36.571	0.002
36.583	0.022	36.601	0.005	36.616	-0.019	36.635	-0.040
36.647	-0.040	36.661	-0.033	36.678	-0.006	36.690	-0.006
36.713	-0.038	36.738	-0.070	36.759	-0.051	36.765	-0.035
36.775	-0.043	36.793	-0.064	36.814	-0.064	36.824	-0.045
36.846	-0.029	36.859	-0.037	36.877	-0.074	36.896	-0.102
36.920	-0.094	36.930	-0.075	36.949	-0.040	36.964	-0.024
36.983	-0.004	37.002	-0.021	37.016	-0.005	37.028	-0.001
37.049	0.026	37.061	0.030	37.083	0.038	37.106	0.014
37.123	0.014	37.135	0.033	37.156	0.041	37.160	0.061
37.174	0.061	37.188	0.029	37.204	0.009	37.225	-0.011
37.247	-0.015	37.256	-0.019	37.280	-0.027	37.289	-0.019
37.309	0.005	37.330	0.012	37.336	0.012	37.355	-0.003
37.368	-0.039	37.384	-0.055	37.399	-0.051	37.411	-0.035
37.422	-0.020	37.437	-0.016	37.459	-0.044	37.474	-0.060
37.490	-0.048	37.513	-0.040	37.527	-0.016	37.542	0.007
37.559	0.031	37.573	0.023	37.593	-0.001	37.624	-0.005
37.638	-0.025	37.655	-0.049	37.672	-0.042	37.681	-0.026
37.694	-0.010	37.723	-0.007	37.745	-0.007	37.755	-0.027
37.774	-0.023	37.792	-0.024	37.805	-0.024	37.827	-0.028
37.833	-0.020	37.852	-0.021	37.871	-0.041	37.888	-0.057
37.904	-0.045	37.920	-0.038	37.937	-0.046	37.960	-0.054
37.968	-0.046	37.988	-0.019	38.010	-0.011	38.026	-0.023
38.052	-0.032	38.074	-0.028	38.085	-0.020	38.095	-0.001
38.122	0.015	38.131	0.003	38.156	0.002	38.171	0.018
38.183	0.026	38.208	0.053	38.225	0.053	38.235	0.041
38.249	0.013	38.269	-0.007	38.289	-0.016	38.310	-0.016
38.326	-0.012	38.345	-0.029	38.363	-0.041	38.374	-0.049
38.392	-0.069	38.420	-0.069	38.433	-0.050	38.455	-0.031
38.473	-0.035	38.492	-0.051	38.517	-0.060	38.530	-0.064
38.549	-0.049	38.562	-0.013	38.581	0.002	38.598	0.005
38.615	-0.011	38.637	-0.027	38.653	-0.047	38.669	-0.060
38.679	-0.060	38.702	-0.041	38.724	-0.017	38.751	0.014
38.768	0.037	38.787	0.037	38.803	-0.008	38.826	-0.008
38.847	-0.005	38.861	0.011	38.882	0.014	38.898	-0.002
38.932	0.010	38.950	0.018	38.970	0.021	38.986	0.013
39.004	0.017	39.018	0.025	39.051	-0.043	39.072	-0.027
39.094	-0.015	39.114	0.008	39.131	0.016	39.152	0.032
39.170	0.032	39.191	0.031	39.202	0.035	39.214	0.043
39.231	0.047	39.249	0.011	39.262	-0.025	39.282	-0.025
39.299	-0.013	39.307	-0.010	39.332	-0.010	39.350	-0.018
39.367	-0.014	39.391	0.005	39.407	0.005	39.430	0.001
39.451	0.009	39.477	0.008	39.495	-0.012	39.514	-0.017
39.533	-0.013	39.548	-0.006	39.568	-0.014	39.581	-0.038
39.600	-0.066	39.607	-0.063	39.625	-0.055	39.644	-0.044
39.665	-0.016	39.690	-0.013	39.708	-0.029	39.724	-0.054
39.744	-0.042	39.749	-0.022	39.783	-0.015	39.797	-0.028
39.811	-0.036	39.824	-0.052	39.845	-0.076	39.871	-0.097
39.881	-0.081	39.904	-0.066	39.928	-0.043	39.956	-0.023
39.977	-0.004	39.999	0.008	40.016	0.003	40.035	-0.017
40.055	-0.041	40.073	-0.053	40.091	-0.049	40.112	-0.046

40.137	-0.046	40.152	-0.026	40.170	0.009	40.180	0.017
40.208	0.005	40.230	0.017	40.240	0.005	40.269	-0.023
40.288	-0.031	40.309	-0.031	40.327	-0.015	40.349	-0.011
40.369	-0.011	40.387	-0.023	40.407	-0.031	40.416	-0.035
40.433	-0.047	40.450	-0.055	40.470	-0.056	40.492	-0.044
40.516	-0.029	40.536	-0.013	40.555	-0.018	40.567	0.010
40.578	0.029	40.597	0.065	40.615	0.068	40.641	0.052
40.656	0.016	40.680	0.015	40.697	0.042	40.717	0.030
40.728	0.002	40.746	-0.050	40.763	-0.075	40.784	-0.075
40.809	-0.092	40.824	-0.068	40.845	-0.045	40.857	-0.038
40.878	-0.042	40.897	-0.083	40.910	-0.111	40.921	-0.111
40.939	-0.072	40.950	-0.029	40.967	-0.013	40.982	-0.037
40.990	-0.069	41.007	-0.093	41.025	-0.066	41.043	-0.018
41.060	0.013	41.073	0.017	41.087	-0.027	41.101	-0.063
41.126	-0.075	41.149	-0.067	41.159	-0.059	41.181	-0.036
41.201	-0.008	41.212	0.020	41.232	0.012	41.247	-0.004
41.266	-0.052	41.286	-0.052	41.305	-0.008	41.322	0.023
41.345	0.027	41.359	0.015	41.388	0.019	41.399	0.027
41.426	0.027	41.439	0.019	41.448	0.011	41.467	0.026
41.485	0.050	41.507	0.050	41.524	0.030	41.534	0.022
41.559	0.002	41.574	0.002	41.584	-0.002	41.601	-0.010
41.619	-0.022	41.637	-0.023	41.651	-0.019	41.661	-0.019
41.679	-0.047	41.690	-0.078	41.706	-0.087	41.728	-0.091
41.739	-0.067	41.750	-0.063	41.763	-0.047	41.781	-0.028
41.805	-0.020	41.823	-0.024	41.839	-0.040	41.861	-0.048
41.878	-0.052	41.893	-0.052	41.911	-0.052	41.928	-0.049
41.949	-0.045	41.955	-0.037	41.973	-0.021	41.996	-0.017
42.009	-0.025	42.030	-0.037	42.047	-0.041	42.065	-0.029
42.075	-0.025	42.100	-0.037	42.126	-0.041	42.134	-0.045
42.158	-0.041	42.187	-0.030	42.201	-0.018	42.225	-0.002
42.236	0.006	42.259	0.010	42.279	-0.002	42.299	-0.018
42.316	-0.010	42.335	-0.002	42.355	0.005	42.376	0.009
42.397	0.013	42.413	0.017	42.424	0.013	42.446	-0.007
42.468	-0.015	42.483	-0.019	42.505	-0.031	42.523	-0.035
42.538	-0.039	42.557	-0.027	42.565	-0.023	42.595	-0.035
42.623	-0.039	42.645	-0.031	42.661	-0.020	42.682	-0.020
42.700	-0.040	42.715	-0.048	42.732	-0.044	42.748	-0.028
42.764	-0.013	42.782	0.011	42.816	0.031	42.825	0.027
42.850	0.026	42.872	0.030	42.892	0.022	42.913	0.014
42.927	0.002	42.941	-0.006	42.962	-0.026	42.982	-0.035
43.011	-0.044	43.028	-0.044	43.043	-0.036	43.062	-0.017
43.079	-0.002	43.106	0.010	43.132	0.017	43.145	0.021
43.157	0.024	43.184	0.012	43.215	0.027	43.245	0.006
43.262	0.006	43.292	0.005	43.317	0.005	43.335	-0.004
43.357	-0.008	43.368	-0.012	43.388	-0.009	43.414	-0.006
43.427	-0.002	43.447	0.006	43.460	0.006	43.496	-0.007
43.504	-0.019	43.527	-0.031	43.550	-0.035	43.574	-0.035
43.589	-0.020	43.612	-0.012	43.637	-0.020	43.658	-0.029
43.680	-0.029	43.703	-0.021	43.730	-0.029	43.749	-0.038
43.773	-0.042	43.795	-0.054	43.821	-0.050	43.838	-0.046
43.853	-0.043	43.876	-0.027	43.890	-0.031	43.907	-0.035
43.930	-0.044	43.961	-0.016	43.976	-0.000	44.002	0.011
44.028	0.015	44.051	-0.001	44.065	-0.037	44.089	-0.037
44.105	-0.034	44.128	-0.022	44.147	-0.014	44.171	-0.023
44.188	-0.043	44.202	-0.059	44.221	-0.063	44.239	-0.051
44.251	-0.043	44.274	-0.012	44.297	0.004	44.319	0.012

44.339	-0.000	44.368	-0.005	44.389	0.003	44.405	0.011
44.421	0.011	44.445	0.010	44.461	0.010	44.481	0.002
44.502	-0.002	44.525	0.002	44.544	0.005	44.556	-0.007
44.572	-0.023	44.592	-0.023	44.611	-0.019	44.631	-0.007
44.650	-0.007	44.671	-0.012	44.687	-0.008	44.708	-0.000
44.730	0.004	44.750	-0.005	44.765	-0.013	44.791	-0.029
44.801	-0.033	44.831	-0.041	44.844	-0.037	44.857	-0.045
44.879	-0.049	44.897	-0.054	44.916	-0.058	44.937	-0.062
44.954	-0.046	44.978	-0.030	44.982	-0.034	45.009	-0.026
45.033	-0.026	45.052	-0.034	45.073	-0.046	45.094	-0.058
45.109	-0.050	45.129	-0.042	45.141	-0.035	45.153	-0.035
45.172	-0.035	45.195	-0.019	45.214	-0.014	45.243	-0.014
45.262	-0.006	45.278	0.006	45.293	0.010	45.311	0.006
45.327	-0.018	45.342	-0.009	45.372	-0.009	45.393	-0.013
45.413	-0.021	45.425	-0.029	45.446	-0.009	45.467	-0.001
45.494	0.011	45.515	0.023	45.534	0.023	45.558	0.023
45.577	0.026	45.607	0.026	45.624	0.026	45.644	0.014
45.668	0.005	45.687	-0.011	45.708	-0.019	45.720	-0.019
45.747	-0.012	45.766	-0.001	45.787	0.007	45.814	-0.002
45.835	-0.014	45.852	-0.018	45.876	-0.007	45.904	-0.019
45.928	-0.028	45.950	-0.032	45.962	-0.036	45.991	-0.016
46.006	-0.017	46.036	-0.025	46.058	-0.033	46.080	-0.033
46.098	-0.025	46.117	-0.021	46.145	-0.026	46.169	-0.025
46.191	-0.025	46.209	-0.021	46.225	-0.016	46.252	-0.036
46.278	-0.043	46.293	-0.035	46.302	-0.031	46.311	-0.026
46.330	-0.013	46.347	-0.001	46.359	-0.000	46.371	-0.003
46.380	-0.015	46.393	-0.022	46.420	-0.020	46.430	-0.019
46.441	-0.018	46.456	-0.017	46.470	-0.016	46.484	-0.015
46.493	-0.007	46.511	0.001	46.530	0.006	46.544	0.015
46.562	0.027	46.575	0.027	46.593	0.027	46.617	0.023
46.631	0.010	46.645	0.002	46.653	0.014	46.666	0.022
46.688	0.021	46.694	0.021	46.713	0.017	46.733	0.005
46.747	0.024	46.779	0.032	46.800	0.031	46.809	0.015
46.823	0.007	46.840	0.015	46.861	0.023	46.882	0.026
46.900	0.010	46.916	-0.002	46.925	-0.010	46.948	-0.002
46.969	0.005	46.985	0.017	47.006	0.021	47.015	0.021
47.031	0.017	47.059	0.008	47.091	0.012	47.100	0.016
47.115	0.031	47.131	0.043	47.146	0.039	47.161	0.031
47.177	0.026	47.200	0.030	47.219	0.041	47.236	0.045
47.249	0.045	47.260	0.045	47.270	0.041	47.285	0.032
47.300	0.016	47.320	0.020	47.335	0.015	47.348	0.007
47.371	-0.002	47.389	0.009	47.418	0.016	47.439	0.019
47.456	0.023	47.483	0.025	47.500	0.025	47.522	0.024
47.539	0.039	47.553	0.039	47.567	0.038	47.581	0.030
47.594	0.021	47.609	0.021	47.630	0.020	47.647	0.011
47.667	0.011	47.686	0.014	47.702	0.013	47.720	0.013
47.740	0.000	47.753	-0.000	47.771	-0.001	47.793	-0.002
47.820	0.001	47.840	0.013	47.856	0.012	47.869	0.004
47.886	-0.005	47.910	-0.005	47.935	0.006	47.956	0.005
47.972	0.009	47.986	0.008	48.011	0.008	48.039	0.007
48.067	-0.002	48.081	-0.006	48.094	-0.007	48.117	-0.004
48.152	0.003	48.182	0.010	48.206	0.017	48.226	0.028
48.241	0.031	48.264	0.030	48.279	0.018	48.296	0.013
48.322	0.021	48.344	0.012	48.365	0.004	48.384	-0.013
48.403	-0.021	48.417	-0.021	48.427	-0.022	48.452	-0.002
48.472	0.013	48.494	0.032	48.520	0.020	48.538	0.007

48.558	0.007	48.573	0.007	48.595	0.007	48.613	0.014
48.626	0.014	48.640	0.014	48.656	0.006	48.672	-0.010
48.684	-0.010	48.706	-0.011	48.730	0.009	48.759	0.024
48.775	0.012	48.791	0.000	48.807	-0.012	48.827	-0.020
48.845	-0.017	48.871	-0.009	48.856	0.010	48.912	0.010
48.932	0.014	48.958	0.021	48.984	0.021	49.011	0.025
49.034	0.024	49.059	0.024	49.087	0.024	49.108	0.023
49.139	0.011	49.172	0.019	49.192	0.010	49.212	0.010
49.247	-0.002	49.264	-0.014	49.284	-0.014	49.316	-0.015
49.341	-0.015	49.357	-0.019	49.377	-0.019	49.391	-0.008
49.409	0.004	49.432	-0.000	49.454	0.011	49.477	0.015
49.503	0.011	49.519	0.007	49.529	0.006	49.552	0.014
49.584	0.018	49.601	0.029	49.624	0.017	49.645	0.025
49.660	0.017	49.681	0.013	49.699	0.008	49.717	0.008
49.740	0.012	49.751	0.012	49.764	0.016	49.780	0.019
49.801	0.031	49.819	0.027	49.837	0.026	49.858	0.026
49.880	0.038	49.896	0.037	49.922	0.037	49.940	0.037
49.959	0.028	49.983	0.020	49.999	0.020	50.028	0.015
50.053	-0.001	50.059	0.003	50.074	0.011	50.092	0.010
50.108	-0.002	50.126	-0.002	50.149	0.017	50.171	0.021
50.188	0.020	50.207	0.016	50.236	0.027	50.259	0.027
50.282	0.022	50.302	0.022	50.327	0.026	50.344	0.026
50.364	0.025	50.379	0.025	50.407	0.025	50.426	0.025
50.437	0.013	50.447	0.005	50.467	0.013	50.483	0.001
50.501	-0.019	50.516	0.008	50.537	0.028	50.551	0.024
50.567	0.012	50.584	0.000	50.602	0.024	50.623	0.044
50.636	0.052	50.652	0.036	50.667	-0.004	50.684	-0.020
50.696	-0.016	50.714	0.000	50.729	0.016	50.739	0.016
50.752	0.004	50.764	-0.020	50.784	-0.036	50.795	-0.012
50.811	0.008	50.828	0.028	50.842	0.028	50.862	0.012
50.876	0.000	50.896	0.028	50.914	0.048	50.930	0.028
50.948	0.020	50.975	0.004	50.997	0.020	51.014	0.028
51.032	0.020	51.047	-0.004	51.067	-0.020	51.080	0.004
51.105	0.024	51.120	0.008	51.136	-0.004	51.152	-0.020
51.172	0.004	51.193	0.028	51.218	0.012	51.225	0.008
51.245	0.020	51.261	0.020	51.272	0.020	51.286	0.020
51.304	0.012	51.320	0.008	51.340	0.012	51.362	0.012
51.386	0.012	51.397	0.013	51.415	0.028	51.437	0.040
51.452	0.037	51.468	0.033	51.491	0.029	51.504	0.033
51.517	0.029	51.530	0.029	51.543	0.029	51.556	0.033
51.571	0.032	51.584	0.028	51.600	0.020	51.612	0.016
51.629	0.035	51.644	0.047	51.657	0.058	51.676	0.050
51.690	0.042	51.710	0.037	51.727	0.045	51.750	0.036
51.765	0.032	51.783	0.031	51.804	0.030	51.816	0.029
51.846	0.024	51.858	0.023	51.875	0.018	51.896	0.009
51.917	0.024	51.940	0.031	51.971	0.017	51.988	0.012
52.014	0.019	52.036	0.026	52.047	0.010	52.063	-0.002
52.079	-0.002	52.103	-0.007	52.128	0.000	52.143	0.000
52.171	0.015	52.187	0.015	52.207	0.018	52.221	0.018
52.238	0.010	52.262	-0.007	52.286	-0.007	52.304	0.001
52.327	0.021	52.343	0.017	52.354	0.013	52.372	0.013
52.389	0.006	52.414	-0.010	52.432	-0.010	52.447	-0.018
52.465	-0.022	52.490	-0.014	52.504	-0.010	52.529	-0.002
52.545	0.010	52.569	0.022	52.589	0.022	52.605	0.022
52.624	0.021	52.645	0.021	52.662	0.025	52.677	0.021
52.695	0.005	52.719	0.005	52.741	0.009	52.760	0.016

52.784	0.020	52.816	0.020	52.842	0.024	52.856	0.019
52.874	0.019	52.880	0.019	52.895	0.027	52.908	0.027
52.932	0.015	52.945	0.014	52.964	0.022	52.984	0.026
52.996	0.026	53.017	0.025	53.031	0.025	53.050	0.025
53.069	0.025	53.082	0.021	53.100	0.013	53.119	0.017
53.136	0.016	53.155	0.020	53.176	0.020	53.194	0.020
53.205	0.020	53.220	0.012	53.234	0.012	53.258	0.012
53.278	0.019	53.296	0.031	53.314	0.031	53.338	0.023
53.358	0.023	53.383	0.018	53.401	0.018	53.432	0.010
53.458	0.002	53.477	-0.003	53.493	-0.003	53.516	0.005
53.536	0.005	53.554	0.000	53.567	0.000	53.585	0.000
53.602	0.004	53.615	0.004	53.625	0.003	53.647	-0.005
53.660	-0.005	53.689	-0.005	53.705	-0.005	53.723	0.006
53.741	0.014	53.755	0.002	53.770	-0.006	53.781	-0.002
53.795	-0.002	53.815	-0.007	53.835	0.005	53.856	-0.011
53.881	-0.003	53.905	-0.003	53.917	0.001	53.938	0.005
53.960	0.005	53.978	0.005	54.000	0.004	54.009	0.008
54.019	0.024	54.034	0.028	54.055	0.024	54.070	0.016
54.089	0.012	54.114	0.012	54.144	0.024	54.156	0.032
54.165	0.028	54.180	0.036	54.195	0.044	54.212	0.032
54.229	0.024	54.240	0.024	54.251	0.020	54.270	0.016
54.283	0.024	54.298	0.036	54.310	0.032	54.327	0.028
54.344	0.028	54.354	0.016	54.374	-0.004	54.393	-0.005
54.412	-0.001	54.418	-0.001	54.434	0.019	54.448	0.011
54.463	0.007	54.477	0.030	54.492	0.058	54.502	0.066
54.517	0.038	54.540	-0.002	54.555	0.006	54.569	0.018
54.582	0.017	54.593	0.021	54.606	0.021	54.616	0.001
54.630	-0.015	54.645	-0.019	54.670	-0.024	54.676	-0.028
54.694	-0.036	54.709	-0.036	54.720	-0.036	54.735	-0.025
54.751	-0.013	54.769	0.007	54.780	-0.005	54.796	-0.006
54.813	-0.006	54.825	-0.002	54.841	-0.010	54.852	-0.010
54.863	-0.002	54.876	0.010	54.891	0.010	54.905	0.010
54.917	0.002	54.930	0.010	54.942	0.010	54.956	0.022
54.967	0.025	54.983	0.017	54.998	0.009	55.016	0.025
55.026	0.041	55.044	0.025	55.060	0.017	55.073	0.017
55.087	0.009	55.103	0.009	55.123	0.017	55.140	0.025
55.151	0.025	55.166	0.033	55.178	0.018	55.192	0.010
55.208	0.018	55.225	0.026	55.243	0.014	55.258	0.018
55.273	0.014	55.288	0.002	55.300	-0.006	55.314	0.018
55.334	0.042	55.348	0.018	55.363	0.002	55.390	-0.018
55.404	-0.003	55.418	0.013	55.432	0.009	55.442	0.009
55.456	0.013	55.471	0.013	55.489	0.001	55.503	-0.011
55.519	-0.015	55.535	-0.024	55.546	-0.012	55.560	-0.008
55.575	-0.004	55.593	-0.016	55.614	-0.025	55.634	-0.021
55.652	-0.013	55.672	-0.005	55.693	-0.006	55.711	-0.010
55.736	-0.010	55.758	-0.018	55.782	-0.011	55.803	-0.007
55.825	-0.023	55.854	-0.019	55.882	-0.015	55.902	-0.011
55.919	-0.019	55.943	-0.007	55.961	0.000	55.980	0.004
55.996	0.000	56.018	-0.008	56.038	-0.032	56.062	-0.012
56.079	-0.008	56.094	-0.004	56.110	-0.004	56.126	-0.012
56.146	-0.004	56.167	0.004	56.197	0.015	56.213	0.011
56.231	0.003	56.252	0.003	56.273	-0.005	56.292	-0.005
56.311	-0.009	56.332	-0.021	56.358	-0.005	56.375	-0.005
56.390	-0.006	56.411	-0.006	56.433	-0.006	56.458	-0.002
56.482	0.006	56.496	0.005	56.517	0.005	56.546	0.005
56.564	-0.003	56.586	-0.007	56.613	0.001	56.639	-0.003

56.669	-0.011	56.690	-0.015	56.713	-0.016	56.730	-0.012
56.751	0.004	56.773	0.008	56.794	0.012	56.822	0.012
56.841	0.008	56.854	0.009	56.878	0.009	56.900	0.009
56.921	0.017	56.942	0.017	56.960	0.017	56.990	0.017
57.021	0.017	57.030	0.017	57.054	0.017	57.079	0.018
57.100	0.018	57.122	0.019	57.136	0.019	57.159	0.020
57.178	0.020	57.199	0.017	57.220	0.021	57.254	0.026
57.271	0.026	57.279	0.027	57.295	0.023	57.322	0.024
57.346	0.017	57.374	0.018	57.400	0.027	57.417	0.019
57.443	0.012	57.468	-0.003	57.491	-0.006	57.509	-0.005
57.539	-0.004	57.552	-0.004	57.566	-0.003	57.583	-0.003
57.605	-0.019	57.616	-0.015	57.635	-0.006	57.648	-0.006
57.669	-0.006						

IG114
71.064 2/9/71 0600PST PALMDALE FIRE STA. STORAGE RCCM DOWN

4150 POINTS 57.671 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, THE TIMING MARKS SMOOTHED BEFORE USE,
AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN VALUE,
WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1368 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.081	0.008	0.101	0.014	0.129	0.019	0.078
0.028	-0.065	0.034	-0.299	0.040	-0.366	0.049	-0.382
0.057	-0.393	0.065	-0.357	0.070	-0.171	0.074	0.047
0.079	0.155	0.084	0.226	0.090	0.179	0.096	0.115
0.103	0.151	0.111	0.223	0.113	0.223	0.121	0.112
0.125	-0.058	0.131	-0.237	0.132	-0.364	0.134	-0.459
0.137	-0.510	0.141	-0.447	0.147	-0.260	0.149	-0.109
0.153	0.010	0.159	0.133	0.168	0.220	0.173	0.209
0.178	0.276	0.185	0.391	0.190	0.348	0.197	0.213
0.202	0.047	0.207	-0.092	0.213	-0.227	0.219	-0.330
0.226	-0.302	0.230	-0.226	0.232	-0.115	0.236	-0.000
0.242	0.127	0.248	-0.012	0.256	-0.071	0.261	-0.047
0.270	-0.038	0.278	-0.078	0.284	-0.117	0.289	-0.065
0.299	0.094	0.304	-0.013	0.308	-0.152	0.315	-0.259
0.321	-0.163	0.322	-0.032	0.328	0.115	0.331	0.182
0.336	0.107	0.342	-0.091	0.345	-0.218	0.351	-0.269
0.357	-0.213	0.359	-0.058	0.362	0.128	0.366	0.228
0.370	0.287	0.376	0.232	0.378	0.133	0.383	0.054
0.387	-0.010	0.391	0.034	0.397	0.126	0.400	0.209
0.405	0.229	0.408	0.185	0.413	0.078	0.417	-0.092
0.423	-0.144	0.435	-0.112	0.437	0.019	0.441	0.182
0.444	0.257	0.450	0.277	0.454	0.229	0.460	0.079
0.466	-0.072	0.472	0.003	0.478	0.134	0.482	0.166
0.488	0.095	0.494	-0.092	0.497	-0.286	0.502	-0.385
0.508	-0.492	0.518	-0.401	0.522	-0.242	0.526	-0.080
0.532	0.059	0.540	0.151	0.543	0.095	0.549	-0.032
0.553	-0.167	0.559	-0.230	0.562	-0.270	0.567	-0.183
0.573	-0.071	0.579	0.040	0.587	0.103	0.593	0.206
0.600	0.270	0.606	0.214	0.619	0.182	0.625	0.115
0.630	0.063	0.641	0.111	0.650	0.043	0.657	-0.040
0.662	-0.068	0.670	-0.032	0.676	-0.060	0.681	-0.159
0.687	-0.251	0.694	-0.326	0.701	-0.342	0.708	-0.294
0.713	-0.255	0.718	-0.144	0.724	0.142	0.734	0.435
0.744	0.753	0.750	0.582	0.761	0.205	0.766	-0.005
0.773	0.055	0.778	0.098	0.783	0.122	0.789	0.063
0.795	0.011	0.799	-0.219	0.806	-0.338	0.815	-0.127
0.827	0.305	0.829	0.408	0.837	0.325	0.859	0.083
0.864	0.095	0.873	0.111	0.884	0.052	0.890	-0.007
0.901	-0.106	0.911	-0.174	0.926	-0.205	0.942	-0.316
0.949	-0.368	0.958	-0.367	0.964	-0.355	0.968	-0.395
0.978	-0.478	0.988	-0.407	0.995	-0.335	0.998	-0.224
1.002	-0.073	1.008	0.089	1.015	0.220	1.019	0.248
1.027	0.157	1.029	0.062	1.034	-0.053	1.038	-0.164
1.044	-0.212	1.050	-0.235	1.057	-0.184	1.060	-0.093
1.064	0.114	1.074	0.352	1.084	0.415	1.094	0.459
1.105	0.558	1.106	0.677	1.114	0.753	1.126	0.677
1.130	0.503	1.139	0.194	1.147	-0.092	1.151	-0.294
1.156	-0.433	1.164	-0.488	1.173	-0.433	1.179	-0.298
1.184	-0.218	1.190	-0.222	1.202	-0.262	1.209	-0.175
1.217	-0.052	1.226	0.079	1.235	0.127	1.242	0.063
1.252	-0.040	1.258	-0.060	1.266	0.035	1.274	0.130
1.278	0.194	1.289	0.233	1.300	0.090	1.310	-0.033
1.312	-0.060	1.318	-0.009	1.327	0.090	1.332	0.142
1.339	0.043	1.345	-0.156	1.354	-0.430	1.360	-0.489
1.368	-0.410	1.383	-0.089	1.390	0.034	1.402	-0.033
1.409	-0.061	1.415	0.046	1.427	0.264	1.429	0.375
1.438	0.248	1.445	0.022	1.452	-0.042	1.459	0.065
1.472	0.406	1.485	0.593	1.490	0.644	1.498	0.569
1.507	0.346	1.516	0.112	1.531	-0.201	1.543	-0.356
1.554	-0.352	1.576	-0.507	1.583	-0.396	1.598	0.115
1.612	0.508	1.623	0.658	1.627	0.563	1.638	0.119
1.645	-0.056	1.651	-0.147	1.659	-0.076	1.667	0.047
1.677	0.142	1.689	0.245	1.698	0.455	1.706	0.661
1.710	0.717	1.719	0.630	1.725	0.340	1.730	0.078
1.737	-0.160	1.743	-0.330	1.750	-0.402	1.758	-0.437
1.763	-0.362	1.778	-0.215	1.791	0.007	1.803	0.269
1.821	0.515	1.830	0.574	1.838	0.515	1.846	0.447
1.854	0.471	1.860	0.411	1.881	0.118	1.890	0.245
1.897	0.408	1.903	0.463	1.911	0.404	1.915	0.277
1.934	-0.136	1.941	-0.386	1.955	-0.802	1.965	-0.889
1.975	-0.810	1.978	-0.604	1.999	0.178	2.005	0.285
2.008	0.337	2.024	0.313	2.027	0.420	2.043	0.666
2.046	0.730	2.054	0.631	2.059	0.440	2.069	0.095
2.074	-0.056	2.080	-0.095	2.086	-0.012	2.095	0.083
2.106	0.016	2.113	-0.083	2.126	-0.178	2.132	-0.111
2.140	0.104	2.143	0.262	2.148	0.362	2.157	0.381
2.166	0.278	2.171	0.128	2.174	-0.023	2.179	-0.138
2.187	-0.189	2.193	-0.122	2.200	0.017	2.204	0.124
2.211	0.208	2.221	0.125	2.229	0.026	2.240	0.014
2.249	0.058	2.262	-0.005	2.274	-0.057	2.287	-0.005

2.299	0.111	2.308	0.250	2.317	0.297	2.327	0.195
2.333	0.004	2.344	-0.364	2.351	-0.622	2.357	-0.773
2.362	-0.836	2.367	-0.868	2.375	-0.788	2.380	-0.677
2.387	-0.455	2.393	-0.328	2.401	-0.268	2.413	-0.244
2.423	-0.188	2.431	-0.128	2.452	-0.124	2.462	-0.187
2.473	-0.326	2.479	-0.417	2.486	-0.432	2.492	-0.377
2.496	-0.250	2.500	-0.083	2.505	0.108	2.511	0.151
2.516	0.211	2.526	0.164	2.537	0.097	2.546	-0.006
2.553	-0.117	2.560	-0.383	2.569	-0.537	2.577	-0.601
2.586	-0.569	2.591	-0.568	2.599	-0.608	2.604	-0.572
2.605	-0.552	2.613	-0.481	2.615	-0.385	2.623	-0.282
2.632	-0.214	2.645	-0.234	2.655	-0.241	2.663	-0.150
2.670	0.005	2.674	0.187	2.682	0.410	2.687	0.576
2.693	0.616	2.703	0.462	2.708	0.347	2.714	0.272
2.716	0.208	2.725	0.291	2.732	0.410	2.735	0.494
2.746	0.529	2.754	0.454	2.757	0.228	2.767	-0.066
2.776	-0.288	2.782	-0.376	2.785	-0.435	2.791	-0.372
2.796	-0.289	2.801	-0.102	2.808	0.116	2.818	0.191
2.833	0.104	2.852	0.286	2.862	0.369	2.875	0.305
2.887	0.143	2.898	0.087	2.912	0.138	2.921	0.186
2.935	0.079	2.939	-0.084	2.950	-0.290	2.958	-0.207
2.964	0.039	2.972	0.336	2.980	0.550	2.990	0.669
3.000	0.708	3.012	0.641	3.021	0.450	3.030	0.247
3.036	0.077	3.046	0.013	3.052	0.025	3.063	0.025
3.070	-0.063	3.078	-0.277	3.084	-0.519	3.092	-0.619
3.096	-0.666	3.103	-0.619	3.107	-0.504	3.116	-0.330
3.123	-0.187	3.135	-0.211	3.140	-0.219	3.149	-0.124
3.155	-0.005	3.161	0.145	3.172	0.228	3.182	0.244
3.187	0.248	3.196	0.295	3.204	0.370	3.220	0.429
3.232	0.469	3.242	0.430	3.243	0.334	3.250	0.136
3.260	-0.058	3.267	-0.157	3.273	-0.201	3.285	-0.252
3.293	-0.220	3.302	-0.177	3.307	-0.157	3.317	-0.177
3.323	-0.208	3.333	-0.129	3.347	-0.081	3.354	0.002
3.358	0.129	3.366	0.236	3.373	0.320	3.382	0.332
3.384	0.256	3.389	0.090	3.391	-0.057	3.396	-0.176
3.400	-0.271	3.406	-0.322	3.414	-0.251	3.422	-0.132
3.424	-0.064	3.431	-0.041	3.446	-0.080	3.458	0.003
3.460	0.087	3.465	0.178	3.472	0.214	3.479	0.127
3.486	0.028	3.495	-0.087	3.506	-0.170	3.514	-0.118
3.521	-0.086	3.525	-0.110	3.537	-0.138	3.541	-0.145
3.552	-0.121	3.560	-0.058	3.567	0.062	3.573	0.129
3.583	0.145	3.596	0.090	3.600	-0.057	3.610	-0.227
3.619	-0.294	3.624	-0.254	3.635	-0.131	3.645	0.079
3.654	0.155	3.664	0.231	3.668	0.251	3.681	0.184
3.691	-0.015	3.699	-0.308	3.707	-0.435	3.718	-0.518
3.727	-0.494	3.736	-0.450	3.741	-0.442	3.750	-0.501
3.759	-0.592	3.768	-0.643	3.778	-0.579	3.789	-0.405
3.796	-0.310	3.806	-0.258	3.819	-0.278	3.831	-0.305
3.837	-0.238	3.847	-0.091	3.852	0.091	3.862	0.199
3.871	0.258	3.881	0.183	3.887	0.072	3.898	0.004
3.906	-0.019	3.917	0.072	3.924	0.251	3.934	0.378
3.945	0.465	3.957	0.398	3.967	0.449	3.977	0.520
3.989	0.441	4.003	0.345	4.029	0.353	4.040	0.408
4.042	0.583	4.049	0.852	4.061	1.054	4.067	0.967
4.076	0.729	4.082	0.522	4.087	0.348	4.094	0.276
4.106	0.308	4.118	0.367	4.122	0.288	4.131	0.184

4.137	-0.026	4.146	-0.133	4.155	-0.058	4.166	0.132
4.181	0.227	4.186	0.180	4.202	0.128	4.209	0.183
4.222	0.306	4.237	0.385	4.248	0.274	4.255	0.088
4.264	-0.095	4.274	-0.139	4.281	-0.099	4.288	-0.016
4.297	0.028	4.307	-0.028	4.320	-0.127	4.334	-0.175
4.345	-0.111	4.353	-0.068	4.358	-0.036	4.369	-0.096
4.383	-0.215	4.405	-0.207	4.420	-0.108	4.424	0.027
4.431	0.202	4.442	0.325	4.451	0.392	4.462	0.468
4.470	0.384	4.477	0.269	4.480	0.162	4.485	-0.004
4.498	-0.123	4.506	-0.016	4.517	0.147	4.534	0.183
4.555	0.203	4.566	0.123	4.567	0.123	4.576	-0.313
4.581	-0.515	4.585	-0.646	4.592	-0.709	4.596	-0.622
4.602	-0.455	4.607	-0.305	4.613	-0.150	4.623	-0.039
4.625	-0.003	4.635	-0.051	4.645	-0.122	4.652	-0.066
4.666	0.005	4.676	-0.078	4.682	-0.241	4.689	-0.447
4.694	-0.582	4.701	-0.653	4.704	-0.566	4.712	-0.352
4.718	-0.134	4.725	0.005	4.731	0.128	4.740	0.212
4.749	0.120	4.757	-0.034	4.765	-0.232	4.776	-0.387
4.786	-0.498	4.804	-0.621	4.810	-0.510	4.819	-0.371
4.831	-0.200	4.842	-0.125	4.851	-0.161	4.859	-0.149
4.874	-0.216	4.887	-0.149	4.893	-0.093	4.907	-0.002
4.913	-0.045	4.923	-0.101	4.930	-0.121	4.939	-0.037
4.948	-0.002	4.959	-0.002	4.971	0.094	4.982	0.217
4.989	0.332	5.001	0.209	5.011	-0.081	5.017	-0.339
5.026	-0.525	5.035	-0.537	5.040	-0.457	5.048	-0.287
5.060	-0.144	5.076	-0.215	5.082	-0.251	5.089	-0.239
5.103	-0.287	5.111	-0.314	5.132	-0.271	5.142	-0.152
5.149	0.007	5.158	0.142	5.163	0.150	5.175	0.126
5.182	0.210	5.187	0.344	5.192	0.523	5.202	0.654
5.210	0.586	5.215	0.313	5.219	0.114	5.225	-0.068
5.233	-0.199	5.243	-0.084	5.256	0.059	5.269	0.107
5.279	0.162	5.289	0.273	5.298	0.416	5.303	0.468
5.311	0.381	5.325	0.127	5.335	-0.040	5.348	-0.103
5.363	-0.131	5.374	-0.310	5.384	-0.492	5.395	-0.639
5.403	-0.683	5.413	-0.607	5.424	-0.524	5.433	-0.461
5.443	-0.421	5.458	-0.286	5.471	-0.088	5.483	0.126
5.497	0.432	5.505	0.578	5.516	0.630	5.523	0.531
5.533	0.360	5.543	0.233	5.560	0.166	5.568	0.269
5.576	0.372	5.584	0.475	5.586	0.535	5.597	0.451
5.605	0.229	5.612	0.209	5.615	0.157	5.623	0.241
5.636	0.395	5.641	0.411	5.650	0.411	5.658	0.458
5.665	0.502	5.677	0.406	5.683	0.275	5.693	0.121
5.699	0.093	5.710	0.108	5.721	0.065	5.732	0.013
5.741	0.001	5.745	0.056	5.752	0.187	5.759	0.362
5.770	0.488	5.777	0.425	5.784	0.353	5.790	0.298
5.804	0.341	5.812	0.297	5.826	0.194	5.841	0.106
5.850	-0.021	5.858	-0.132	5.864	-0.180	5.875	-0.081
5.882	0.042	5.889	0.114	5.893	0.118	5.900	0.022
5.908	-0.108	5.914	-0.204	5.923	-0.283	5.929	-0.323
5.936	-0.263	5.944	-0.109	5.949	0.110	5.953	0.213
5.963	0.288	5.971	0.197	5.975	0.141	5.980	0.090
5.988	0.173	5.996	0.316	6.002	0.395	6.018	0.304
6.023	0.058	6.032	-0.121	6.036	-0.184	6.042	-0.240
6.049	-0.168	6.057	-0.049	6.065	0.073	6.072	0.109
6.081	0.050	6.089	-0.038	6.098	-0.062	6.105	-0.034
6.115	0.050	6.120	0.153	6.130	0.213	6.136	0.150

6.141	0.086	6.145	0.063	6.154	0.119	6.162	0.202
6.167	0.246	6.174	0.187	6.182	0.060	6.188	-0.257
6.198	-0.463	6.203	-0.518	6.210	-0.451	6.219	-0.169
6.228	0.030	6.232	0.062	6.240	-0.005	6.247	-0.112
6.250	-0.175	6.257	-0.231	6.268	-0.107	6.272	0.032
6.279	0.203	6.288	0.298	6.299	0.203	6.305	0.025
6.314	-0.109	6.320	-0.074	6.333	-0.010	6.347	0.027
6.355	-0.029	6.358	-0.187	6.365	-0.409	6.372	-0.639
6.378	-0.750	6.383	-0.821	6.389	-0.746	6.393	-0.575
6.400	-0.313	6.410	-0.126	6.416	-0.051	6.422	-0.031
6.430	-0.114	6.439	-0.308	6.444	-0.490	6.450	-0.573
6.455	-0.593	6.463	-0.525	6.470	-0.473	6.474	-0.446
6.484	-0.552	6.492	-0.683	6.497	-0.810	6.503	-0.857
6.512	-0.782	6.515	-0.619	6.523	-0.254	6.530	-0.035
6.532	0.076	6.543	0.179	6.551	0.049	6.559	-0.003
6.561	-0.027	6.567	0.049	6.578	0.256	6.588	0.395
6.601	0.490	6.621	0.617	6.634	0.573	6.644	0.482
6.660	0.470	6.666	0.355	6.673	0.161	6.677	0.034
6.681	-0.069	6.685	-0.113	6.693	-0.041	6.697	0.066
6.705	0.145	6.712	0.205	6.719	0.117	6.729	-0.009
6.737	0.002	6.744	0.034	6.749	0.034	6.757	0.003
6.769	-0.061	6.778	-0.009	6.792	0.138	6.797	0.161
6.807	0.134	6.818	0.213	6.823	0.308	6.830	0.491
6.842	0.602	6.849	0.534	6.856	0.352	6.863	0.209
6.867	0.166	6.871	0.122	6.874	0.118	6.878	0.130
6.885	0.209	6.891	0.356	6.904	0.773	6.909	0.813
6.911	0.840	6.915	0.809	6.921	0.718	6.948	0.329
6.956	0.210	6.958	0.191	6.966	0.155	6.975	0.139
6.981	0.147	6.987	0.155	6.991	0.159	6.994	0.132
7.001	0.108	7.006	0.092	7.008	0.088	7.014	0.108
7.021	0.136	7.023	0.156	7.029	0.120	7.035	0.041
7.037	-0.007	7.040	-0.050	7.044	-0.066	7.048	-0.038
7.054	0.017	7.059	0.121	7.065	0.164	7.066	0.180
7.071	0.164	7.076	0.117	7.086	-0.038	7.091	-0.109
7.097	-0.164	7.103	-0.152	7.110	-0.129	7.117	-0.101
7.121	-0.089	7.127	-0.116	7.134	-0.128	7.141	-0.144
7.143	-0.120	7.150	-0.069	7.154	0.023	7.162	0.106
7.167	0.150	7.174	0.122	7.178	0.059	7.190	-0.076
7.198	-0.136	7.202	-0.144	7.206	-0.120	7.213	-0.048
7.220	0.087	7.226	0.158	7.233	0.198	7.239	0.206
7.245	0.174	7.257	0.067	7.267	-0.048	7.281	-0.206
7.291	-0.321	7.297	-0.381	7.301	-0.413	7.304	-0.421
7.309	-0.389	7.315	-0.325	7.324	-0.151	7.328	-0.091
7.333	-0.067	7.337	-0.055	7.340	-0.079	7.346	-0.127
7.356	-0.261	7.367	-0.420	7.374	-0.491	7.381	-0.507
7.386	-0.503	7.392	-0.503	7.401	-0.531	7.407	-0.555
7.412	-0.555	7.419	-0.523	7.426	-0.447	7.433	-0.396
7.440	-0.301	7.446	-0.209	7.455	-0.071	7.461	0.040
7.465	0.155	7.470	0.239	7.476	0.282	7.480	0.302
7.488	0.270	7.494	0.239	7.500	0.203	7.506	0.167
7.509	0.124	7.517	0.001	7.521	-0.111	7.524	-0.170
7.528	-0.194	7.530	-0.206	7.538	-0.150	7.544	-0.031
7.552	0.100	7.556	0.127	7.562	0.080	7.570	-0.035
7.578	-0.250	7.586	-0.432	7.589	-0.511	7.593	-0.539
7.598	-0.508	7.603	-0.432	7.608	-0.325	7.615	-0.071
7.617	0.056	7.624	0.111	7.629	0.135	7.633	0.151

7.638	0.111	7.646	0.060	7.651	0.048	7.659	0.087
7.666	0.127	7.672	0.159	7.677	0.178	7.683	0.143
7.689	0.079	7.694	-0.008	7.702	-0.055	7.709	-0.079
7.716	-0.119	7.719	-0.166	7.724	-0.234	7.734	-0.412
7.741	-0.464	7.745	-0.472	7.751	-0.452	7.760	-0.436
7.766	-0.404	7.773	-0.348	7.778	-0.265	7.785	-0.090
7.793	0.179	7.801	0.334	7.808	0.410	7.813	0.422
7.816	0.378	7.827	0.231	7.837	0.057	7.846	-0.046
7.852	-0.078	7.858	-0.038	7.867	0.009	7.872	0.041
7.878	0.065	7.885	0.045	7.892	0.029	7.898	0.057
7.902	0.121	7.909	0.212	7.917	0.276	7.922	0.299
7.929	0.315	7.935	0.335	7.942	0.427	7.950	0.546
7.955	0.649	7.962	0.697	7.968	0.649	7.976	0.471
7.988	0.134	7.992	0.082	7.998	0.062	8.000	0.094
8.007	0.177	8.014	0.257	8.019	0.269	8.024	0.245
8.030	0.166	8.037	0.079	8.042	0.015	8.044	-0.005
8.048	0.027	8.054	0.099	8.061	0.242	8.066	0.297
8.069	0.321	8.074	0.289	8.082	0.202	8.088	0.008
8.095	-0.099	8.100	-0.143	8.104	-0.167	8.106	-0.139
8.110	-0.075	8.120	0.064	8.126	0.103	8.132	0.111
8.141	0.064	8.149	-0.059	8.154	-0.102	8.158	-0.118
8.167	-0.086	8.183	0.044	8.189	0.060	8.196	0.064
8.203	0.111	8.206	0.194	8.216	0.321	8.221	0.361
8.228	0.376	8.230	0.345	8.239	0.305	8.245	0.265
8.251	0.289	8.256	0.336	8.261	0.380	8.266	0.380
8.272	0.344	8.279	0.225	8.292	0.062	8.304	0.006
8.309	-0.018	8.319	0.014	8.332	0.049	8.339	0.081
8.344	0.116	8.350	0.128	8.358	0.080	8.367	-0.047
8.373	-0.095	8.377	-0.099	8.383	-0.059	8.389	0.052
8.396	0.131	8.400	0.159	8.407	0.115	8.415	-0.048
8.423	-0.238	8.427	-0.318	8.431	-0.342	8.434	-0.318
8.441	-0.247	8.446	-0.179	8.452	-0.140	8.457	-0.140
8.467	-0.192	8.476	-0.267	8.486	-0.343	8.497	-0.407
8.498	-0.383	8.504	-0.335	8.511	-0.272	8.517	-0.248
8.524	-0.276	8.533	-0.308	8.540	-0.281	8.545	-0.241
8.552	-0.209	8.559	-0.194	8.567	-0.238	8.573	-0.270
8.581	-0.305	8.586	-0.294	8.594	-0.274	8.603	-0.258
8.612	-0.239	8.617	-0.203	8.625	-0.112	8.629	-0.021
8.639	0.026	8.645	0.046	8.650	0.030	8.657	0.010
8.667	-0.034	8.673	-0.089	8.678	-0.137	8.682	-0.165
8.687	-0.149	8.694	-0.105	8.702	-0.030	8.709	0.073
8.714	0.141	8.719	0.153	8.725	0.093	8.735	-0.058
8.739	-0.185	8.744	-0.248	8.751	-0.311	8.758	-0.292
8.771	-0.113	8.785	0.069	8.789	0.101	8.793	0.109
8.800	0.073	8.806	0.053	8.813	0.046	8.821	0.093
8.829	0.153	8.838	0.208	8.843	0.220	8.850	0.200
8.854	0.184	8.860	0.172	8.866	0.188	8.873	0.204
8.878	0.176	8.884	0.129	8.890	0.069	8.894	0.049
8.901	0.093	8.909	0.140	8.914	0.176	8.917	0.196
8.922	0.168	8.927	0.112	8.933	0.072	8.937	0.049
8.942	0.096	8.951	0.152	8.958	0.199	8.964	0.191
8.973	0.127	8.982	0.040	8.988	-0.019	8.995	-0.051
9.001	-0.067	9.008	-0.055	9.013	-0.024	9.020	0.028
9.026	0.115	9.035	0.218	9.041	0.266	9.048	0.269
9.056	0.277	9.060	0.317	9.068	0.424	9.076	0.495
9.082	0.523	9.087	0.495	9.097	0.340	9.109	0.158

9.122	0.015	9.136	-0.156	9.150	-0.283	9.158	-0.362
9.162	-0.406	9.167	-0.425	9.181	-0.366	9.188	-0.302
9.198	-0.203	9.207	-0.112	9.214	-0.057	9.217	-0.045
9.225	-0.096	9.232	-0.215	9.239	-0.330	9.246	-0.394
9.253	-0.414	9.262	-0.366	9.278	-0.255	9.293	-0.152
9.299	-0.112	9.304	-0.013	9.311	0.110	9.319	0.162
9.324	0.177	9.332	0.126	9.337	0.054	9.345	-0.041
9.350	-0.080	9.354	-0.096	9.362	-0.065	9.365	-0.037
9.368	-0.017	9.376	-0.049	9.383	-0.124	9.390	-0.171
9.396	-0.191	9.401	-0.147	9.409	-0.075	9.415	0.008
9.420	0.052	9.425	0.099	9.430	0.111	9.439	0.080
9.451	0.009	9.456	-0.015	9.460	-0.027	9.467	0.009
9.472	0.105	9.478	0.196	9.483	0.256	9.487	0.283
9.492	0.240	9.499	0.101	9.504	-0.025	9.512	-0.117
9.517	-0.140	9.524	-0.100	9.533	-0.053	9.539	-0.017
9.543	-0.025	9.549	-0.052	9.556	-0.084	9.560	-0.107
9.567	-0.099	9.570	-0.083	9.576	-0.044	9.583	0.020
9.589	0.092	9.596	0.143	9.600	0.151	9.606	0.120
9.610	0.060	9.614	0.005	9.620	-0.058	9.624	-0.082
9.630	-0.058	9.641	0.006	9.642	0.069	9.647	0.117
9.653	0.137	9.661	0.109	9.671	0.054	9.679	-0.017
9.686	-0.088	9.690	-0.163	9.695	-0.223	9.700	-0.234
9.706	-0.214	9.715	-0.206	9.718	-0.242	9.726	-0.281
9.735	-0.324	9.737	-0.324	9.744	-0.296	9.750	-0.237
9.758	-0.149	9.763	-0.086	9.768	-0.034	9.772	0.002
9.775	0.014	9.782	-0.029	9.789	-0.069	9.795	-0.096
9.800	-0.057	9.809	0.011	9.816	0.083	9.826	0.115
9.833	0.151	9.845	0.203	9.853	0.235	9.857	0.251
9.865	0.215	9.871	0.140	9.877	0.045	9.884	-0.026
9.889	-0.050	9.894	-0.006	9.903	0.113	9.910	0.272
9.915	0.332	9.920	0.364	9.926	0.368	9.933	0.301
9.940	0.225	9.946	0.166	9.952	0.126	9.957	0.138
9.966	0.206	9.970	0.301	9.976	0.380	9.981	0.440
9.988	0.356	9.993	0.301	10.002	0.198	10.006	0.178
10.013	0.218	10.017	0.293	10.021	0.341	10.026	0.345
10.033	0.285	10.040	0.111	10.045	-0.004	10.053	-0.071
10.055	-0.103	10.061	-0.071	10.066	0.008	10.076	0.131
10.080	0.203	10.087	0.218	10.092	0.187	10.098	0.092
10.111	0.008	10.118	-0.031	10.125	-0.047	10.132	-0.071
10.138	-0.106	10.144	-0.158	10.150	-0.194	10.154	-0.190
10.159	-0.154	10.167	-0.094	10.176	0.017	10.184	0.064
10.189	0.041	10.198	0.041	10.204	0.056	10.211	0.068
10.219	0.032	10.226	-0.016	10.235	-0.048	10.245	-0.060
10.252	-0.052	10.263	-0.048	10.268	-0.064	10.275	-0.100
10.287	-0.184	10.302	-0.271	10.310	-0.335	10.321	-0.371
10.326	-0.335	10.332	-0.280	10.340	-0.213	10.349	-0.118
10.355	-0.070	10.365	-0.043	10.370	-0.019	10.377	-0.023
10.383	-0.024	10.392	0.052	10.398	0.151	10.401	0.218
10.406	0.246	10.412	0.214	10.417	0.138	10.422	0.063
10.428	-0.025	10.432	-0.060	10.437	-0.033	10.445	-0.001
10.449	0.014	10.452	-0.005	10.461	-0.045	10.465	-0.117
10.472	-0.180	10.478	-0.208	10.482	-0.224	10.491	-0.173
10.499	-0.109	10.508	-0.066	10.518	-0.054	10.527	-0.046
10.535	-0.034	10.543	-0.006	10.552	0.081	10.559	0.172
10.568	0.232	10.575	0.267	10.582	0.291	10.587	0.287
10.594	0.235	10.601	0.140	10.607	0.017	10.611	-0.034

10.618	-0.054	10.627	-0.022	10.635	0.005	10.641	0.025
10.645	0.057	10.654	0.104	10.659	0.176	10.665	0.208
10.671	0.164	10.681	0.045	10.685	-0.106	10.694	-0.189
10.700	-0.209	10.704	-0.169	10.708	-0.114	10.714	-0.046
10.721	-0.007	10.728	-0.031	10.733	-0.086	10.740	-0.169
10.745	-0.249	10.752	-0.280	10.760	-0.308	10.766	-0.248
10.775	-0.137	10.781	-0.029	10.784	0.058	10.787	0.082
10.794	0.046	10.804	-0.108	10.812	-0.223	10.817	-0.250
10.823	-0.215	10.830	-0.183	10.837	-0.159	10.842	-0.170
10.853	-0.226	10.860	-0.293	10.866	-0.328	10.871	-0.281
10.879	-0.213	10.890	-0.094	10.898	0.014	10.909	0.153
10.922	0.237	10.929	0.261	10.931	0.277	10.936	0.229
10.943	0.150	10.952	0.079	10.963	0.032	10.971	0.004
10.977	0.016	10.984	0.036	10.990	0.048	10.998	0.012
11.004	-0.079	11.008	-0.126	11.013	-0.174	11.019	-0.138
11.027	-0.051	11.031	0.080	11.037	0.176	11.043	0.219
11.047	0.211	11.056	0.148	11.063	0.053	11.070	-0.078
11.076	-0.149	11.082	-0.173	11.086	-0.129	11.093	-0.061
11.098	0.034	11.102	0.125	11.110	0.181	11.116	0.201
11.120	0.169	11.129	0.110	11.137	0.003	11.145	-0.076
11.154	-0.148	11.165	-0.199	11.170	-0.219	11.183	-0.191
11.193	-0.167	11.203	-0.131	11.207	-0.075	11.218	-0.036
11.223	-0.004	11.228	-0.016	11.234	-0.004	11.243	0.032
11.251	0.115	11.259	0.242	11.265	0.389	11.270	0.496
11.275	0.567	11.280	0.607	11.286	0.568	11.292	0.468
11.298	0.349	11.303	0.223	11.308	0.108	11.312	0.080
11.318	0.060	11.323	0.108	11.331	0.219	11.335	0.254
11.341	0.274	11.345	0.235	11.352	0.147	11.358	0.092
11.363	0.052	11.371	0.096	11.377	0.159	11.383	0.223
11.390	0.282	11.397	0.302	11.401	0.290	11.409	0.231
11.420	0.092	11.428	0.009	11.436	-0.078	11.446	-0.173
11.456	-0.272	11.464	-0.319	11.470	-0.347	11.478	-0.338
11.488	-0.279	11.494	-0.235	11.499	-0.199	11.506	-0.215
11.514	-0.250	11.519	-0.290	11.525	-0.313	11.529	-0.317
11.535	-0.293	11.542	-0.241	11.553	-0.110	11.562	-0.027
11.569	0.009	11.578	0.025	11.585	0.014	11.593	-0.018
11.600	-0.034	11.605	-0.033	11.611	-0.021	11.616	0.011
11.622	0.050	11.627	0.054	11.634	0.174	11.640	0.218
11.649	0.257	11.659	0.305	11.668	0.357	11.674	0.389
11.679	0.406	11.684	0.382	11.690	0.323	11.701	0.173
11.708	0.101	11.716	0.038	11.724	-0.001	11.730	0.007
11.737	0.023	11.744	0.048	11.749	0.064	11.757	0.048
11.762	0.001	11.767	-0.035	11.773	-0.050	11.776	-0.058
11.781	-0.018	11.785	0.018	11.791	0.117	11.795	0.173
11.799	0.221	11.804	0.241	11.808	0.229	11.817	0.146
11.823	0.071	11.831	-0.048	11.837	-0.111	11.842	-0.139
11.849	-0.131	11.856	-0.111	11.860	-0.095	11.864	-0.083
11.869	-0.106	11.877	-0.178	11.885	-0.261	11.893	-0.304
11.894	-0.284	11.899	-0.233	11.907	-0.149	11.915	-0.086
11.919	-0.054	11.925	-0.038	11.930	-0.026	11.937	-0.026
11.947	-0.061	11.955	-0.093	11.963	-0.116	11.971	-0.080
11.979	-0.033	11.985	0.003	11.989	0.031	11.996	0.027
12.005	-0.012	12.012	-0.048	12.018	-0.068	12.024	-0.052
12.032	0.023	12.039	0.091	12.046	0.142	12.051	0.178
12.058	0.150	12.070	0.106	12.075	0.030	12.083	-0.018
12.091	-0.081	12.098	-0.129	12.106	-0.197	12.113	-0.213

12.124	-0.178	12.135	-0.106	12.144	-0.016	12.154	0.036
12.164	0.028	12.171	-0.024	12.181	-0.143	12.189	-0.243
12.194	-0.275	12.199	-0.283	12.206	-0.259	12.212	-0.192
12.219	-0.105	12.225	-0.014	12.232	0.120	12.242	0.203
12.250	0.262	12.258	0.301	12.264	0.301	12.275	0.241
12.285	0.106	12.294	0.038	12.303	-0.002	12.311	0.001
12.327	0.044	12.331	0.075	12.341	0.130	12.348	0.201
12.353	0.281	12.360	0.360	12.369	0.375	12.387	0.378
12.403	0.346	12.423	0.274	12.438	0.127	12.451	0.056
12.464	0.111	12.474	0.135	12.488	0.064	12.496	0.020
12.510	0.135	12.529	0.270	12.546	0.183	12.561	0.124
12.578	0.061	12.601	-0.026	12.616	-0.002	12.640	0.082
12.657	0.038	12.671	0.011	12.683	0.027	12.696	-0.001
12.708	-0.005	12.723	0.090	12.738	0.190	12.752	0.079
12.765	-0.072	12.776	-0.088	12.794	-0.171	12.803	-0.223
12.817	-0.143	12.832	-0.072	12.850	-0.091	12.866	-0.012
12.886	0.103	12.898	-0.024	12.913	-0.198	12.931	-0.262
12.953	-0.202	12.965	-0.206	12.972	-0.210	12.981	-0.147
13.002	-0.032	13.012	-0.060	13.025	-0.107	13.035	-0.107
13.052	-0.186	13.069	-0.266	13.080	-0.290	13.098	-0.365
13.106	-0.389	13.119	-0.329	13.138	-0.135	13.146	-0.111
13.160	-0.131	13.175	-0.147	13.190	-0.250	13.209	-0.349
13.229	-0.270	13.248	-0.187	13.266	-0.009	13.287	0.118
13.307	-0.001	13.327	-0.085	13.346	-0.053	13.360	0.038
13.377	0.101	13.396	0.053	13.416	-0.006	13.437	0.021
13.455	0.112	13.464	0.140	13.483	0.072	13.498	0.044
13.518	0.107	13.534	-0.020	13.550	-0.131	13.566	-0.044
13.579	0.031	13.595	-0.029	13.601	-0.037	13.614	0.022
13.624	0.070	13.642	-0.093	13.655	-0.177	13.671	-0.109
13.685	-0.054	13.699	-0.161	13.710	-0.221	13.726	-0.149
13.738	-0.118	13.751	-0.118	13.766	-0.022	13.780	0.136
13.793	0.184	13.815	0.104	13.831	0.080	13.847	0.025
13.862	-0.027	13.875	-0.063	13.894	-0.039	13.920	-0.110
13.941	-0.197	13.961	-0.066	13.981	0.057	13.999	0.038
14.015	0.022	14.037	0.121	14.055	0.240	14.063	0.272
14.081	0.129	14.101	0.003	14.119	0.122	14.134	0.328
14.149	0.372	14.172	0.257	14.190	0.197	14.206	0.106
14.229	-0.005	14.251	0.054	14.267	0.130	14.287	0.130
14.305	0.043	14.320	-0.053	14.338	-0.029	14.349	-0.017
14.361	-0.088	14.376	-0.160	14.386	-0.088	14.399	-0.045
14.416	-0.133	14.426	-0.212	14.442	-0.093	14.461	-0.002
14.474	-0.062	14.491	-0.138	14.516	-0.083	14.532	-0.134
14.551	-0.174	14.568	-0.111	14.587	0.071	14.599	0.130
14.618	0.011	14.635	-0.101	14.657	-0.066	14.680	-0.003
14.697	0.044	14.715	-0.036	14.737	-0.127	14.751	-0.040
14.770	0.042	14.788	0.022	14.808	0.101	14.821	0.144
14.837	0.068	14.847	0.044	14.865	0.052	14.882	-0.012
14.900	0.098	14.920	0.257	14.938	0.201	14.951	0.165
14.968	0.232	14.985	0.299	15.004	0.148	15.016	0.128
15.036	0.191	15.056	0.032	15.074	-0.072	15.093	0.158
15.109	0.248	15.134	0.133	15.154	0.125	15.175	0.065
15.208	0.128	15.231	0.100	15.256	0.092	15.273	0.017
15.295	-0.154	15.316	-0.142	15.336	-0.166	15.359	-0.059
15.370	-0.008	15.391	-0.075	15.406	-0.056	15.424	-0.143
15.444	-0.226	15.456	-0.218	15.470	-0.262	15.485	-0.294
15.505	-0.266	15.525	-0.242	15.541	-0.155	15.562	-0.048

15.573	-0.032	15.585	-0.071	15.599	-0.071	15.615	-0.024
15.627	0.008	15.647	-0.008	15.671	0.040	15.695	0.012
15.710	0.040	15.740	0.024	15.762	0.107	15.780	0.155
15.797	0.143	15.820	0.218	15.839	0.087	15.860	-0.079
15.873	0.008	15.888	0.071	15.906	0.020	15.921	0.143
15.937	0.242	15.954	0.139	15.962	0.107	15.983	0.182
15.999	0.059	16.018	-0.079	16.033	-0.020	16.052	0.052
16.063	0.004	16.075	-0.052	16.086	-0.004	16.102	0.040
16.118	-0.024	16.133	-0.064	16.158	0.008	16.171	-0.040
16.182	-0.048	16.200	0.040	16.219	-0.044	16.242	-0.119
16.259	-0.143	16.278	-0.103	16.290	-0.071	16.314	-0.123
16.326	-0.079	16.344	-0.032	16.364	-0.111	16.378	-0.151
16.400	-0.087	16.416	-0.044	16.431	-0.087	16.443	-0.119
16.467	-0.040	16.491	-0.079	16.514	0.028	16.526	0.048
16.540	0.048	16.559	0.083	16.575	0.111	16.595	0.159
16.611	0.246	16.639	0.266	16.662	0.210	16.680	0.142
16.702	0.066	16.723	0.098	16.742	0.177	16.758	0.216
16.775	0.164	16.794	0.112	16.814	0.148	16.836	0.036
16.857	-0.012	16.875	0.020	16.897	0.107	16.917	0.059
16.934	0.090	16.954	0.018	16.968	-0.023	16.999	-0.008
17.025	-0.120	17.041	-0.144	17.067	-0.109	17.079	-0.106
17.095	-0.198	17.112	-0.294	17.131	-0.227	17.153	-0.140
17.179	-0.169	17.207	-0.142	17.233	-0.166	17.255	-0.159
17.271	-0.195	17.298	-0.212	17.316	-0.176	17.341	-0.181
17.358	-0.134	17.379	-0.111	17.408	-0.084	17.428	-0.092
17.442	-0.009	17.458	0.070	17.479	0.042	17.499	0.082
17.520	0.161	17.543	0.200	17.568	0.160	17.594	0.140
17.615	0.152	17.642	0.112	17.666	0.136	17.693	0.113
17.712	0.129	17.736	0.101	17.761	0.125	17.784	0.054
17.800	-0.005	17.822	0.094	17.846	0.114	17.870	0.110
17.891	0.047	17.914	-0.028	17.931	-0.008	17.962	-0.027
17.975	-0.007	18.002	-0.079	18.027	-0.130	18.041	-0.074
18.060	-0.034	18.091	-0.141	18.110	-0.097	18.138	-0.050
18.158	-0.106	18.178	-0.142	18.207	-0.142	18.229	-0.210
18.252	-0.135	18.279	-0.044	18.297	-0.076	18.313	-0.135
18.332	-0.163	18.358	-0.144	18.390	-0.144	18.411	-0.117
18.430	-0.050	18.452	0.002	18.472	0.057	18.493	0.057
18.512	0.033	18.536	0.032	18.554	0.028	18.573	0.087
18.585	0.139	18.603	0.091	18.622	0.027	18.643	0.003
18.663	0.039	18.682	0.106	18.705	0.225	18.732	0.245
18.753	0.237	18.776	0.157	18.800	0.101	18.821	0.034
18.833	0.014	18.855	0.089	18.876	0.145	18.902	0.014
18.922	-0.081	18.946	-0.030	18.974	-0.022	19.000	-0.058
19.013	-0.077	19.026	-0.050	19.043	-0.133	19.064	-0.216
19.086	-0.169	19.117	-0.101	19.141	-0.050	19.166	0.034
19.186	-0.050	19.209	-0.137	19.230	-0.082	19.252	-0.038
19.277	-0.058	19.293	0.025	19.315	0.100	19.340	0.045
19.372	0.088	19.398	0.060	19.429	0.148	19.459	0.060
19.482	0.124	19.512	0.032	19.542	0.183	19.573	0.080
19.599	0.107	19.630	-0.020	19.653	-0.012	19.678	-0.123
19.711	-0.016	19.729	-0.048	19.754	-0.040	19.777	-0.111
19.804	-0.111	19.829	-0.123	19.852	-0.131	19.872	-0.171
19.894	-0.115	19.918	-0.064	19.943	-0.091	19.967	-0.095
19.989	-0.123	20.010	-0.143	20.036	-0.091	20.057	-0.000
20.072	0.024	20.090	-0.048	20.116	-0.127	20.135	-0.064
20.158	0.040	20.175	0.083	20.203	0.048	20.230	0.123

20.255	0.194	20.279	0.178	20.298	0.155	20.318	0.218
20.334	0.242	20.364	0.182	20.388	0.174	20.410	0.159
20.434	0.135	20.466	0.155	20.491	0.123	20.513	0.087
20.530	0.036	20.556	-0.000	20.574	-0.048	20.598	-0.076
20.623	-0.092	20.645	-0.112	20.674	-0.132	20.698	-0.136
20.719	-0.168	20.741	-0.132	20.762	-0.164	20.790	-0.117
20.812	-0.172	20.832	-0.169	20.850	-0.216	20.884	-0.125
20.913	-0.205	20.942	-0.142	20.967	-0.103	20.995	-0.024
21.026	-0.048	21.057	-0.056	21.079	0.019	21.096	0.070
21.118	0.050	21.139	0.077	21.163	0.034	21.186	-0.018
21.206	0.041	21.228	0.128	21.256	0.100	21.287	0.120
21.309	0.076	21.334	0.088	21.355	0.044	21.378	0.044
21.401	0.075	21.423	0.043	21.447	0.047	21.457	0.075
21.476	0.019	21.504	-0.008	21.523	0.047	21.546	0.067
21.566	0.019	21.587	0.003	21.612	0.055	21.631	-0.009
21.651	-0.080	21.673	-0.096	21.698	-0.049	21.712	-0.045
21.728	-0.085	21.749	-0.065	21.774	-0.006	21.797	-0.058
21.821	-0.058	21.846	-0.007	21.873	-0.027	21.895	-0.011
21.917	0.040	21.936	-0.007	21.953	-0.015	21.989	0.028
22.012	-0.008	22.036	-0.064	22.063	0.015	22.089	0.071
22.117	0.011	22.125	-0.005	22.145	0.051	22.170	0.034
22.199	0.094	22.227	0.109	22.262	0.081	22.296	0.069
22.332	0.085	22.353	0.096	22.383	0.072	22.412	0.040
22.442	0.012	22.462	-0.004	22.487	0.016	22.527	0.031
22.551	-0.017	22.578	-0.013	22.609	-0.037	22.632	-0.018
22.658	-0.074	22.671	-0.110	22.689	-0.083	22.713	-0.004
22.736	-0.024	22.764	-0.076	22.790	-0.077	22.817	-0.061
22.837	-0.074	22.861	-0.019	22.886	0.028	22.909	-0.008
22.933	-0.020	22.956	-0.028	22.987	0.007	23.007	-0.017
23.026	-0.085	23.050	-0.093	23.070	-0.050	23.097	-0.010
23.126	0.025	23.157	0.001	23.188	0.048	23.213	0.004
23.239	0.051	23.264	0.075	23.282	0.059	23.308	0.038
23.323	0.026	23.349	0.054	23.370	-0.026	23.379	-0.042
23.407	0.026	23.431	-0.006	23.456	-0.018	23.468	-0.034
23.496	-0.006	23.519	-0.065	23.534	-0.101	23.563	-0.054
23.606	-0.026	23.631	-0.044	23.656	-0.012	23.682	-0.035
23.699	-0.042	23.717	-0.010	23.745	-0.056	23.760	-0.060
23.770	0.004	23.782	0.052	23.794	0.061	23.797	0.057
23.801	0.049	23.805	0.041	23.822	-0.010	23.832	-0.026
23.848	-0.017	23.854	-0.005	23.866	-0.021	23.880	-0.028
23.853	0.020	23.906	0.040	23.921	0.071	23.926	0.075
23.953	0.079	23.964	0.019	23.973	-0.009	23.988	0.011
23.999	0.039	24.015	0.023	24.026	-0.001	24.040	-0.013
24.056	0.002	24.072	0.018	24.090	0.014	24.106	-0.002
24.127	0.002	24.145	-0.006	24.158	-0.023	24.167	-0.039
24.153	0.000	24.198	0.004	24.214	-0.024	24.218	-0.020
24.241	0.007	24.263	-0.025	24.278	-0.061	24.286	-0.077
24.302	-0.058	24.327	-0.050	24.357	-0.043	24.380	-0.052
24.396	-0.025	24.402	0.011	24.428	0.042	24.438	-0.010
24.452	-0.026	24.478	-0.063	24.498	-0.068	24.509	-0.064
24.528	-0.041	24.550	-0.041	24.576	-0.003	24.594	0.013
24.615	0.056	24.630	0.008	24.656	-0.061	24.667	-0.061
24.671	-0.037	24.698	0.021	24.711	-0.015	24.737	-0.028
24.737	-0.028	24.750	0.047	24.771	0.003	24.798	-0.014
24.807	-0.018	24.831	0.024	24.842	0.048	24.860	0.067
24.875	0.023	24.902	-0.021	24.907	-0.025	24.935	-0.025

24.959	-0.010	24.566	0.014	24.996	0.049	25.013	0.061
25.021	0.069	25.036	0.013	25.055	-0.023	25.077	0.008
25.084	0.036	25.099	0.008	25.115	-0.004	25.139	0.032
25.169	0.067	25.184	0.043	25.198	0.004	25.210	0.027
25.225	0.039	25.249	-0.016	25.254	-0.024	25.273	-0.056
25.298	-0.056	25.326	-0.072	25.350	-0.029	25.376	-0.049
25.390	-0.061	25.403	-0.025	25.418	0.003	25.438	-0.029
25.468	-0.085	25.481	-0.089	25.499	-0.041	25.526	0.002
25.553	0.010	25.568	-0.018	25.580	-0.062	25.611	-0.030
25.636	-0.046	25.644	-0.039	25.662	-0.015	25.690	0.040
25.709	0.020	25.719	-0.027	25.736	-0.075	25.760	-0.028
25.771	0.004	25.801	-0.004	25.824	0.031	25.848	-0.028
25.855	-0.040	25.875	0.007	25.892	0.027	25.912	-0.001
25.939	0.030	25.965	0.049	25.977	0.049	26.024	0.008
26.039	0.048	26.066	0.055	26.084	0.035	26.097	0.023
26.130	-0.010	26.147	0.021	26.173	0.020	26.190	0.012
26.204	-0.016	26.232	0.006	26.247	-0.010	26.264	0.021
26.295	0.000	26.313	-0.016	26.351	-0.057	26.358	-0.058
26.387	-0.071	26.408	-0.079	26.413	-0.099	26.444	-0.100
26.456	-0.061	26.478	-0.014	26.498	-0.062	26.507	-0.074
26.533	-0.063	26.568	-0.040	26.587	-0.049	26.599	-0.025
26.622	-0.065	26.665	-0.014	26.688	0.017	26.690	0.021
26.708	0.053	26.729	0.021	26.742	-0.003	26.758	0.013
26.777	-0.011	26.790	0.000	26.807	0.036	26.822	0.004
26.847	-0.052	26.871	-0.012	26.895	0.024	26.910	0.040
26.929	0.020	26.952	0.040	26.954	0.040	26.970	0.020
26.989	0.012	27.008	-0.008	27.038	-0.040	27.060	-0.004
27.060	-0.004	27.094	-0.016	27.105	0.004	27.120	0.008
27.137	-0.008	27.155	-0.004	27.168	0.015	27.187	-0.008
27.196	-0.036	27.211	-0.052	27.224	-0.024	27.242	-0.044
27.258	-0.068	27.265	-0.096	27.281	-0.056	27.299	-0.013
27.316	0.007	27.344	-0.013	27.364	-0.049	27.372	-0.025
27.382	0.011	27.396	-0.013	27.422	-0.033	27.433	-0.005
27.457	-0.005	27.488	0.023	27.509	-0.001	27.540	0.007
27.555	0.035	27.584	-0.001	27.590	0.019	27.595	0.023
27.605	0.039	27.634	-0.033	27.662	0.003	27.677	0.015
27.697	0.027	27.737	0.054	27.751	0.019	27.781	0.018
27.792	0.014	27.811	0.009	27.829	0.017	27.847	-0.011
27.857	-0.015	27.880	-0.028	27.895	-0.012	27.917	0.015
27.940	0.007	27.963	-0.021	27.988	-0.002	28.009	-0.038
28.039	-0.110	28.077	-0.083	28.101	-0.043	28.111	-0.028
28.134	-0.044	28.163	-0.044	28.189	-0.032	28.227	-0.013
28.248	-0.013	28.278	-0.009	28.296	-0.001	28.321	0.014
28.340	-0.006	28.356	-0.038	28.382	-0.006	28.410	-0.003
28.441	0.041	28.472	0.052	28.481	0.052	28.501	0.032
28.527	0.067	28.546	0.107	28.566	0.059	28.577	0.071
28.590	0.063	28.616	0.015	28.639	0.030	28.662	-0.001
28.679	-0.033	28.686	0.014	28.712	0.058	28.731	0.026
28.742	0.002	28.771	-0.018	28.786	-0.026	28.818	0.025
28.849	0.004	28.876	-0.021	28.881	-0.025	28.909	0.006
28.929	-0.030	28.950	-0.078	28.973	-0.040	28.994	-0.076
29.012	-0.113	29.032	-0.066	29.067	-0.096	29.099	-0.113
29.136	-0.110	29.157	-0.103	29.184	-0.068	29.216	-0.064
29.231	-0.080	29.253	-0.053	29.290	-0.022	29.328	-0.006
29.362	0.006	29.390	-0.003	29.398	0.013	29.417	0.041
29.439	0.065	29.463	0.076	29.487	0.041	29.517	0.044

29.532	0.040	29.576	0.071	29.592	0.059	29.610	0.067
29.638	0.047	29.658	0.035	29.692	0.047	29.713	0.034
29.727	0.062	29.755	-0.010	29.777	-0.053	29.796	-0.042
29.825	-0.022	29.842	-0.030	29.872	0.013	29.887	-0.019
29.919	-0.023	29.926	-0.031	29.950	-0.075	29.957	-0.063
29.975	-0.040	29.996	-0.024	30.011	-0.064	30.025	-0.052
30.037	-0.032	30.043	-0.029	30.060	-0.049	30.093	-0.025
30.116	-0.045	30.135	-0.017	30.163	0.006	30.187	0.030
30.212	0.046	30.237	0.022	30.256	0.034	30.272	0.026
30.300	0.006	30.311	-0.006	30.315	-0.017	30.336	0.010
30.349	0.030	30.374	-0.009	30.402	0.050	30.415	0.046
30.432	0.023	30.449	0.038	30.471	0.046	30.500	0.066
30.506	0.058	30.523	0.014	30.539	0.026	30.557	0.046
30.585	0.026	30.603	0.017	30.612	0.013	30.643	0.004
30.667	0.023	30.688	0.018	30.708	0.013	30.726	-0.043
30.735	-0.059	30.770	-0.017	30.787	-0.045	30.806	-0.073
30.823	-0.042	30.855	-0.016	30.878	-0.001	30.895	0.002
30.923	-0.047	30.951	-0.025	30.969	-0.005	31.005	-0.002
31.009	-0.010	31.044	-0.043	31.060	-0.024	31.082	-0.044
31.110	-0.028	31.140	-0.040	31.158	-0.012	31.182	-0.036
31.192	-0.013	31.215	0.027	31.244	0.035	31.263	0.019
31.292	0.007	31.304	0.007	31.343	-0.009	31.375	-0.005
31.400	-0.009	31.415	0.027	31.425	0.063	31.447	0.011
31.478	0.020	31.486	-0.000	31.525	-0.011	31.535	-0.031
31.566	-0.035	31.596	-0.067	31.612	-0.015	31.621	0.028
31.626	-0.019	31.642	-0.031	31.646	0.004	31.666	0.076
31.679	0.036	31.694	-0.036	31.709	0.016	31.726	0.051
31.736	-0.017	31.746	-0.076	31.760	-0.049	31.778	-0.002
31.794	-0.050	31.803	-0.058	31.814	-0.003	31.829	0.040
31.849	0.012	31.862	0.031	31.870	0.039	31.892	0.038
31.915	0.066	31.942	0.081	31.959	0.041	31.973	0.084
31.988	0.119	31.993	0.083	32.020	0.011	32.030	0.035
32.051	0.046	32.061	0.014	32.068	0.018	32.084	0.050
32.101	-0.006	32.115	-0.050	32.124	-0.058	32.131	-0.039
32.142	-0.019	32.155	-0.051	32.165	-0.087	32.184	-0.031
32.197	0.024	32.211	-0.016	32.228	-0.044	32.244	-0.072
32.268	-0.056	32.287	-0.081	32.298	-0.009	32.308	-0.021
32.335	-0.069	32.336	-0.117	32.348	-0.066	32.371	-0.010
32.404	0.057	32.425	0.060	32.446	0.032	32.463	0.052
32.483	0.063	32.508	0.043	32.523	-0.045	32.534	-0.041
32.540	-0.017	32.575	-0.030	32.607	-0.027	32.614	-0.019
32.632	-0.007	32.642	-0.027	32.658	-0.063	32.683	-0.044
32.702	-0.013	32.721	0.046	32.730	0.054	32.760	0.002
32.769	0.006	32.782	0.049	32.802	0.021	32.809	-0.019
32.825	0.008	32.833	0.020	32.849	-0.008	32.876	-0.040
32.884	-0.017	32.907	-0.017	32.927	-0.058	32.942	-0.038
32.953	-0.038	32.967	-0.039	32.988	-0.011	33.007	0.028
33.022	0.031	33.044	-0.013	33.056	-0.041	33.077	-0.073
33.113	-0.050	33.124	-0.042	33.135	-0.055	33.154	-0.027
33.174	-0.047	33.191	-0.048	33.230	-0.028	33.256	0.003
33.268	-0.045	33.288	-0.065	33.313	-0.042	33.325	-0.046
33.345	-0.030	33.368	-0.078	33.405	-0.027	33.421	0.033
33.465	0.021	33.480	0.032	33.484	0.044	33.511	0.048
33.532	0.056	33.557	0.000	33.581	-0.016	33.598	-0.031
33.644	0.016	33.655	0.020	33.672	0.036	33.698	0.016
33.715	0.012	33.740	0.024	33.767	-0.020	33.786	0.039

33.805	0.039	33.833	-0.005	33.848	-0.017	33.882	-0.096
33.890	-0.056	33.910	-0.025	33.927	-0.005	33.944	-0.025
33.961	-0.061	33.978	-0.021	33.991	-0.021	33.999	-0.065
34.015	-0.033	34.039	-0.001	34.061	-0.021	34.074	-0.018
34.083	-0.014	34.108	-0.002	34.138	-0.002	34.160	-0.006
34.167	-0.015	34.199	-0.011	34.206	0.009	34.229	0.045
34.243	0.048	34.275	0.028	34.288	0.051	34.309	0.059
34.328	0.051	34.344	0.094	34.347	0.082	34.358	0.062
34.375	0.026	34.399	0.053	34.420	0.021	34.442	-0.007
34.459	0.028	34.494	0.011	34.511	0.019	34.537	0.018
34.568	-0.026	34.597	0.001	34.612	-0.004	34.634	-0.028
34.650	-0.021	34.667	-0.041	34.674	-0.057	34.702	-0.014
34.715	-0.003	34.729	-0.035	34.741	-0.019	34.749	0.008
34.763	-0.024	34.785	-0.060	34.821	-0.049	34.833	-0.054
34.859	-0.035	34.893	-0.016	34.920	0.003	34.949	-0.025
34.969	0.006	34.982	0.006	35.010	-0.019	35.029	0.000
35.045	-0.016	35.060	0.023	35.073	0.055	35.089	0.023
35.108	-0.001	35.120	-0.001	35.130	0.003	35.141	-0.013
35.154	-0.021	35.167	0.010	35.178	0.014	35.190	-0.010
35.201	-0.022	35.212	0.002	35.226	0.029	35.234	0.021
35.241	0.009	35.250	-0.007	35.262	0.009	35.273	0.021
35.284	-0.003	35.293	-0.023	35.308	-0.027	35.323	-0.023
35.333	-0.028	35.345	-0.036	35.353	-0.040	35.367	-0.032
35.381	-0.024	35.393	-0.024	35.399	-0.024	35.411	-0.012
35.422	-0.000	35.434	-0.016	35.448	-0.024	35.464	-0.013
35.480	-0.005	35.493	-0.025	35.512	-0.021	35.524	-0.013
35.541	-0.049	35.554	-0.061	35.573	-0.029	35.584	-0.025
35.597	-0.037	35.610	-0.041	35.628	-0.026	35.638	-0.026
35.658	-0.030	35.671	-0.042	35.681	-0.050	35.698	-0.050
35.710	-0.038	35.722	-0.027	35.741	-0.039	35.757	-0.019
35.773	0.004	35.789	0.008	35.802	0.004	35.812	-0.028
35.828	-0.028	35.841	0.011	35.854	0.039	35.871	0.011
35.887	-0.001	35.902	0.042	35.917	0.002	35.933	-0.014
35.949	0.018	35.964	0.021	35.983	0.001	35.997	0.001
36.006	-0.007	36.020	-0.023	36.025	-0.031	36.037	0.016
36.051	0.040	36.055	0.047	36.069	0.019	36.082	0.003
36.091	0.007	36.096	0.027	36.111	0.066	36.127	0.022
36.138	-0.002	36.149	0.014	36.161	0.034	36.177	-0.014
36.187	-0.038	36.210	-0.022	36.228	-0.050	36.242	-0.042
36.253	-0.023	36.268	-0.023	36.287	-0.027	36.308	-0.015
36.328	-0.043	36.336	-0.051	36.355	-0.024	36.372	-0.004
36.394	-0.044	36.397	-0.052	36.414	-0.028	36.424	-0.024
36.442	-0.060	36.457	-0.056	36.473	-0.029	36.482	-0.025
36.506	-0.041	36.528	-0.045	36.542	-0.053	36.558	-0.005
36.573	0.038	36.589	-0.006	36.605	-0.025	36.637	0.022
36.646	0.021	36.661	0.005	36.681	-0.035	36.684	-0.047
36.701	0.000	36.724	0.019	36.733	0.015	36.750	0.043
36.773	0.006	36.787	-0.018	36.808	-0.018	36.823	0.001
36.839	0.001	36.847	-0.047	36.865	-0.055	36.876	-0.028
36.886	-0.012	36.904	0.007	36.917	0.042	36.929	0.058
36.946	0.030	36.966	0.013	36.981	0.009	36.992	-0.031
36.999	-0.043	37.022	-0.035	37.027	-0.040	37.046	-0.040
37.058	-0.032	37.072	-0.048	37.084	-0.061	37.109	-0.014
37.129	-0.014	37.150	-0.011	37.166	0.001	37.181	0.009
37.203	-0.031	37.208	-0.059	37.223	-0.071	37.241	-0.067
37.252	-0.087	37.258	-0.099	37.277	-0.059	37.296	-0.019

37.311	0.004	37.327	0.020	37.342	-0.004	37.355	-0.020
37.373	-0.012	37.394	-0.028	37.407	-0.020	37.419	-0.004
37.432	0.020	37.445	0.031	37.460	-0.020	37.476	-0.036
37.490	-0.000	37.506	0.011	37.527	-0.020	37.547	-0.032
37.557	-0.005	37.565	0.019	37.581	0.059	37.603	0.019
37.623	-0.017	37.645	-0.029	37.660	-0.029	37.676	0.014
37.688	0.034	37.713	0.042	37.734	0.006	37.751	-0.022
37.775	-0.011	37.800	-0.023	37.821	-0.011	37.846	-0.012
37.864	0.016	37.871	0.016	37.891	-0.012	37.897	-0.020
37.915	-0.000	37.928	0.003	37.950	-0.009	37.969	-0.013
37.988	-0.021	37.998	-0.041	38.014	-0.053	38.019	-0.057
38.036	-0.018	38.045	-0.002	38.060	0.006	38.077	-0.006
38.092	-0.011	38.103	-0.003	38.117	-0.019	38.130	-0.019
38.146	0.009	38.161	0.041	38.170	0.048	38.186	0.029
38.198	0.017	38.217	-0.007	38.228	-0.035	38.234	-0.039
38.243	-0.039	38.262	-0.011	38.275	0.012	38.278	0.020
38.300	0.000	38.321	0.000	38.334	0.008	38.347	0.012
38.364	0.008	38.380	-0.008	38.398	0.012	38.412	0.028
38.432	0.016	38.444	0.011	38.459	-0.016	38.481	-0.036
38.497	-0.029	38.511	-0.021	38.529	-0.013	38.546	-0.009
38.564	-0.001	38.572	0.006	38.597	0.006	38.612	-0.006
38.621	-0.018	38.643	-0.022	38.653	-0.010	38.671	0.001
38.693	-0.007	38.703	0.020	38.711	0.024	38.729	-0.020
38.740	-0.040	38.754	-0.012	38.770	-0.017	38.783	-0.045
38.800	-0.057	38.815	-0.026	38.834	-0.042	38.852	-0.050
38.872	-0.055	38.881	-0.039	38.900	-0.011	38.911	-0.008
38.930	-0.016	38.943	-0.016	38.960	-0.001	38.984	0.019
38.988	0.019	39.010	0.010	39.033	-0.002	39.053	-0.014
39.062	-0.027	39.081	-0.035	39.100	-0.031	39.111	-0.008
39.129	0.012	39.146	0.015	39.153	0.007	39.171	-0.009
39.196	-0.009	39.221	-0.002	39.246	0.006	39.267	0.010
39.278	0.033	39.292	0.041	39.313	0.009	39.325	0.001
39.350	-0.008	39.367	-0.020	39.385	-0.000	39.394	0.004
39.416	-0.009	39.430	0.007	39.445	0.018	39.470	-0.022
39.489	-0.018	39.513	-0.007	39.527	-0.023	39.539	-0.035
39.557	0.008	39.564	0.008	39.581	-0.040	39.602	-0.064
39.619	-0.045	39.625	-0.045	39.638	-0.049	39.662	-0.010
39.681	-0.014	39.704	-0.027	39.727	-0.027	39.741	-0.032
39.753	-0.036	39.771	-0.040	39.785	-0.033	39.807	-0.025
39.827	-0.030	39.845	-0.030	39.860	-0.030	39.871	-0.027
39.883	-0.023	39.901	-0.039	39.920	-0.004	39.934	0.016
39.953	-0.000	39.972	-0.008	39.986	0.007	40.017	-0.005
40.028	-0.005	40.044	-0.013	40.062	0.006	40.080	0.022
40.100	0.002	40.124	0.045	40.147	-0.003	40.163	-0.015
40.190	0.004	40.205	0.004	40.229	0.019	40.252	0.019
40.262	0.015	40.279	0.027	40.286	0.027	40.306	0.002
40.319	-0.014	40.333	-0.002	40.344	0.022	40.358	0.037
40.380	0.009	40.397	0.005	40.407	-0.007	40.422	-0.031
40.434	-0.028	40.448	-0.000	40.469	-0.001	40.481	-0.029
40.492	-0.042	40.505	-0.042	40.521	-0.035	40.542	-0.059
40.558	-0.052	40.577	-0.028	40.595	-0.021	40.613	-0.034
40.624	-0.030	40.632	-0.026	40.655	-0.039	40.673	-0.016
40.699	-0.036	40.722	-0.001	40.751	-0.074	40.780	0.020
40.815	-0.040	40.820	-0.037	40.831	-0.009	40.842	-0.002
40.871	-0.014	40.900	-0.003	40.912	0.008	40.933	0.028
40.959	0.004	40.985	-0.009	41.004	-0.001	41.025	0.014

41.050	0.014	41.068	0.022	41.090	0.021	41.109	0.025
41.134	0.017	41.144	-0.007	41.162	-0.003	41.184	0.000
41.209	-0.020	41.237	-0.004	41.260	-0.040	41.275	-0.036
41.304	-0.020	41.323	-0.044	41.346	-0.048	41.356	-0.029
41.377	-0.033	41.394	-0.069	41.416	-0.085	41.433	-0.061
41.454	-0.033	41.479	-0.018	41.497	-0.046	41.527	-0.042
41.552	-0.058	41.572	-0.050	41.586	-0.038	41.605	-0.035
41.619	-0.011	41.642	0.000	41.651	-0.004	41.684	-0.004
41.707	-0.012	41.726	-0.021	41.754	0.011	41.776	-0.006
41.786	-0.022	41.806	-0.030	41.827	-0.003	41.836	0.001
41.858	0.009	41.878	0.005	41.900	-0.020	41.901	-0.024
41.921	0.012	41.944	0.003	41.971	0.003	41.985	-0.005
41.999	-0.014	42.028	-0.014	42.041	-0.014	42.061	-0.019
42.081	-0.015	42.090	-0.004	42.110	-0.032	42.131	-0.043
42.147	-0.047	42.170	-0.027	42.187	-0.015	42.199	-0.007
42.225	-0.007	42.246	0.001	42.264	-0.015	42.275	-0.023
42.296	-0.023	42.319	-0.023	42.330	-0.031	42.347	-0.027
42.367	-0.015	42.393	-0.026	42.416	-0.022	42.431	-0.014
42.446	-0.014	42.462	-0.030	42.488	-0.022	42.502	-0.006
42.517	0.002	42.533	0.010	42.551	0.011	42.572	-0.013
42.594	-0.021	42.614	-0.025	42.625	-0.021	42.647	-0.013
42.677	-0.037	42.698	-0.053	42.716	-0.034	42.731	-0.006
42.754	0.006	42.785	0.010	42.803	0.002	42.834	-0.023
42.853	-0.035	42.867	-0.015	42.891	0.005	42.903	0.001
42.925	-0.019	42.946	-0.023	42.955	-0.023	42.979	-0.015
42.996	0.008	43.022	0.000	43.038	0.008	43.053	0.016
43.069	-0.012	43.093	-0.020	43.114	-0.020	43.131	-0.020
43.140	-0.012	43.154	0.003	43.181	0.003	43.203	-0.001
43.225	-0.018	43.249	-0.002	43.280	0.001	43.301	0.005
43.330	-0.015	43.349	-0.008	43.375	-0.016	43.398	-0.005
43.428	-0.002	43.455	-0.011	43.477	-0.012	43.496	-0.012
43.522	-0.017	43.555	-0.018	43.572	-0.011	43.590	-0.007
43.618	0.004	43.634	0.007	43.652	0.011	43.673	0.003
43.691	0.010	43.710	0.010	43.728	0.001	43.759	-0.007
43.773	-0.012	43.791	-0.008	43.814	-0.005	43.831	-0.001
43.840	-0.001	43.864	-0.002	43.882	-0.010	43.913	-0.007
43.934	-0.003	43.953	0.008	43.972	0.016	43.988	0.015
43.999	-0.005	44.023	-0.033	44.040	-0.017	44.057	-0.002
44.079	-0.002	44.089	-0.014	44.108	-0.007	44.111	0.005
44.123	0.013	44.146	-0.016	44.174	-0.028	44.192	-0.025
44.209	-0.021	44.225	-0.018	44.245	-0.018	44.267	-0.011
44.283	-0.003	44.306	-0.000	44.325	0.011	44.343	0.019
44.355	0.014	44.386	0.002	44.412	0.001	44.433	0.004
44.451	-0.004	44.476	-0.020	44.506	-0.013	44.530	-0.022
44.535	-0.022	44.558	-0.018	44.579	0.001	44.600	-0.004
44.628	-0.000	44.649	0.004	44.664	-0.001	44.680	0.003
44.712	0.003	44.734	-0.009	44.758	-0.010	44.770	-0.010
44.805	0.002	44.822	0.001	44.845	-0.015	44.872	-0.011
44.897	-0.019	44.914	-0.024	44.935	-0.008	44.953	-0.001
44.981	-0.009	45.002	-0.010	45.025	-0.022	45.042	-0.026
45.066	-0.019	45.080	0.005	45.092	0.004	45.114	-0.012
45.133	-0.013	45.151	-0.017	45.172	-0.022	45.186	-0.014
45.207	-0.019	45.226	-0.007	45.238	-0.008	45.251	-0.024
45.271	-0.036	45.288	-0.029	45.303	-0.021	45.334	-0.026
45.364	-0.027	45.396	-0.023	45.416	-0.019	45.434	-0.008
45.461	-0.008	45.481	-0.004	45.500	0.004	45.514	0.016

45.523	0.012	45.548	0.004	45.554	0.007	45.560	0.011
45.584	-0.017	45.611	-0.021	45.631	-0.025	45.660	-0.028
45.679	-0.032	45.709	-0.028	45.733	-0.020	45.743	-0.008
45.754	0.004	45.782	-0.016	45.800	-0.015	45.820	-0.023
45.844	-0.019	45.858	-0.011	45.879	-0.003	45.895	-0.015
45.907	-0.031	45.930	-0.038	45.936	-0.042	45.963	-0.046
45.977	-0.034	45.989	-0.018	46.003	-0.026	46.020	-0.034
46.036	-0.026	46.041	-0.018	46.053	-0.010	46.083	-0.030
46.103	-0.026	46.118	-0.014	46.133	-0.018	46.160	-0.013
46.178	-0.017	46.202	-0.024	46.215	-0.008	46.237	0.004
46.252	0.016	46.269	0.005	46.293	0.001	46.308	0.009
46.326	0.021	46.345	0.026	46.362	0.018	46.368	0.006
46.382	0.003	46.394	-0.001	46.413	0.004	46.431	0.024
46.447	0.033	46.462	0.034	46.474	0.022	46.489	0.015
46.504	0.003	46.515	-0.008	46.522	-0.012	46.538	0.009
46.553	0.009	46.567	0.014	46.582	0.018	46.595	0.019
46.602	0.019	46.611	0.003	46.624	-0.008	46.628	-0.012
46.649	0.020	46.660	0.008	46.672	0.001	46.687	0.001
46.701	0.001	46.714	-0.006	46.726	-0.006	46.738	0.006
46.755	0.018	46.766	0.007	46.780	-0.005	46.796	-0.020
46.808	-0.020	46.827	-0.020	46.846	-0.012	46.858	-0.004
46.871	-0.004	46.883	-0.004	46.896	-0.005	46.912	-0.005
46.924	-0.005	46.934	-0.005	46.949	-0.005	46.962	0.007
46.972	0.011	46.984	-0.001	46.995	-0.005	47.008	0.003
47.024	0.014	47.035	0.002	47.048	-0.018	47.060	0.002
47.073	0.022	47.084	0.034	47.103	0.034	47.115	0.037
47.123	0.041	47.136	0.017	47.151	0.009	47.163	0.009
47.181	0.008	47.195	-0.012	47.213	0.011	47.230	0.015
47.249	0.014	47.264	0.010	47.279	0.010	47.297	0.005
47.310	0.005	47.325	0.005	47.342	0.008	47.366	0.028
47.383	0.035	47.396	0.035	47.407	0.035	47.425	0.030
47.442	0.038	47.458	0.037	47.467	0.025	47.487	0.009
47.501	0.020	47.522	0.032	47.538	0.024	47.554	0.007
47.572	0.007	47.585	0.003	47.602	0.002	47.622	0.010
47.642	0.009	47.657	0.001	47.680	-0.008	47.695	-0.004
47.718	-0.005	47.737	-0.001	47.754	-0.005	47.771	-0.006
47.792	0.002	47.816	0.017	47.837	0.016	47.851	0.012
47.872	-0.000	47.890	-0.001	47.910	-0.006	47.937	0.013
47.954	0.005	47.969	-0.004	47.987	-0.005	48.012	0.003
48.026	0.002	48.047	0.001	48.066	0.001	48.086	-0.000
48.099	-0.001	48.111	-0.001	48.127	0.006	48.146	0.014
48.162	0.013	48.178	0.001	48.198	0.012	48.218	-0.000
48.237	-0.005	48.254	0.003	48.276	0.014	48.294	0.014
48.316	0.001	48.335	0.001	48.354	-0.008	48.376	-0.008
48.391	-0.004	48.407	-0.001	48.424	-0.001	48.438	0.007
48.454	0.007	48.466	0.007	48.482	0.006	48.509	0.022
48.525	0.018	48.545	0.006	48.554	0.006	48.567	0.005
48.574	0.005	48.583	0.005	48.587	0.005	48.597	0.009
48.610	0.013	48.627	0.013	48.648	0.012	48.665	0.012
48.688	0.012	48.705	0.004	48.723	0.004	48.747	0.007
48.766	0.007	48.785	0.007	48.806	0.003	48.819	0.002
48.844	0.018	48.858	0.014	48.867	0.010	48.885	0.017
48.910	0.021	48.928	0.020	48.941	0.020	48.958	0.020
48.971	0.020	48.989	0.015	49.004	0.007	49.020	0.011
49.037	0.018	49.055	0.018	49.074	0.017	49.094	0.025
49.113	0.017	49.138	0.016	49.161	0.011	49.178	0.007

49.192	0.010	49.220	-0.002	49.234	-0.003	49.257	0.004
49.277	-0.004	49.295	0.003	49.306	0.003	49.327	-0.017
49.346	-0.006	49.368	0.013	49.387	0.005	49.406	0.008
49.425	0.004	49.451	0.019	49.466	-0.002	49.475	-0.010
49.497	0.013	49.514	0.009	49.531	0.009	49.545	0.016
49.565	0.012	49.579	0.015	49.590	0.019	49.608	0.014
49.625	0.014	49.644	0.014	49.661	0.014	49.683	0.026
49.700	0.014	49.714	0.018	49.729	0.018	49.748	0.010
49.765	0.022	49.781	0.026	49.797	0.014	49.809	0.006
49.827	0.030	49.843	0.030	49.857	0.026	49.868	0.026
49.891	0.026	49.913	0.030	49.933	0.023	49.952	0.007
49.958	0.003	49.980	0.023	49.999	0.015	50.019	0.011
50.031	0.015	50.050	0.016	50.070	0.016	50.089	0.032
50.108	0.003	50.127	-0.013	50.143	-0.009	50.166	0.003
50.178	-0.014	50.197	-0.018	50.211	-0.002	50.226	0.002
50.248	-0.019	50.261	0.001	50.277	0.024	50.296	0.032
50.317	0.008	50.328	-0.004	50.337	-0.016	50.352	0.015
50.367	0.050	50.376	0.018	50.388	-0.010	50.399	-0.038
50.418	-0.018	50.434	0.005	50.449	0.028	50.465	0.048
50.491	0.039	50.506	0.027	50.525	0.027	50.538	0.030
50.565	0.006	50.584	0.022	50.612	0.021	50.635	0.029
50.650	0.013	50.672	0.025	50.687	0.037	50.713	0.056
50.742	0.040	50.768	0.032	50.792	0.008	50.825	0.012
50.852	0.016	50.880	0.023	50.904	0.043	50.937	0.019
50.957	0.023	50.978	-0.001	50.995	0.003	51.010	0.003
51.022	-0.006	51.037	-0.010	51.051	0.006	51.073	-0.010
51.097	-0.014	51.110	0.001	51.137	0.009	51.160	-0.004
51.183	-0.017	51.205	-0.045	51.233	0.002	51.248	-0.007
51.271	-0.007	51.288	0.000	51.307	0.008	51.320	0.019
51.337	0.007	51.349	0.002	51.376	0.017	51.399	0.004
51.423	0.011	51.437	0.015	51.452	0.014	51.469	0.013
51.488	0.013	51.508	0.012	51.521	0.019	51.537	0.027
51.552	0.010	51.564	0.006	51.583	0.013	51.613	0.032
51.629	0.004	51.648	-0.012	51.672	0.031	51.694	0.007
51.715	0.014	51.733	0.014	51.744	0.013	51.765	0.005
51.781	0.004	51.800	0.004	51.823	-0.004	51.840	-0.005
51.854	-0.005	51.859	-0.005	51.879	0.019	51.905	-0.017
51.920	-0.013	51.940	-0.006	51.955	-0.018	51.975	0.006
51.989	0.010	51.998	0.002	52.016	-0.007	52.038	-0.023
52.062	-0.007	52.078	-0.007	52.096	-0.007	52.119	-0.007
52.136	-0.004	52.153	-0.004	52.167	-0.004	52.195	-0.004
52.211	-0.020	52.227	-0.020	52.242	-0.008	52.272	0.007
52.292	0.007	52.306	0.007	52.332	0.007	52.349	0.006
52.362	0.006	52.379	0.006	52.395	0.006	52.423	0.009
52.447	0.013	52.472	0.020	52.483	0.028	52.509	-0.004
52.530	0.004	52.543	0.011	52.555	0.007	52.578	0.011
52.594	0.011	52.610	0.010	52.623	0.010	52.638	0.006
52.655	0.010	52.681	0.009	52.698	-0.007	52.714	0.005
52.728	0.008	52.743	0.000	52.763	-0.008	52.788	-0.008
52.813	-0.001	52.831	-0.009	52.854	0.003	52.878	0.003
52.912	0.003	52.932	0.003	52.956	0.003	52.967	0.002
52.989	-0.037	53.004	-0.018	53.025	-0.010	53.042	-0.006
53.055	-0.002	53.068	0.006	53.088	-0.018	53.108	0.002
53.125	-0.006	53.136	-0.006	53.152	-0.002	53.172	0.002
53.189	0.006	53.205	0.014	53.226	0.018	53.245	0.014
53.271	0.026	53.284	0.018	53.301	0.014	53.321	0.022

53.336	0.006	53.349	0.002	53.370	0.010	53.389	0.014
53.407	0.022	53.426	0.022	53.447	0.022	53.471	0.018
53.493	-0.001	53.514	0.003	53.527	0.003	53.544	0.003
53.558	0.003	53.579	-0.001	53.597	-0.001	53.609	-0.001
53.631	0.022	53.656	-0.018	53.682	0.010	53.700	-0.014
53.728	0.045	53.742	0.010	53.757	-0.022	53.770	0.001
53.786	0.021	53.807	-0.011	53.831	0.009	53.847	0.009
53.861	0.009	53.879	0.020	53.898	-0.008	53.918	-0.009
53.940	-0.005	53.961	-0.002	53.988	-0.003	53.993	-0.003
54.005	0.013	54.029	-0.011	54.043	-0.004	54.061	0.004
54.083	0.027	54.097	-0.009	54.115	-0.041	54.133	0.003
54.145	0.026	54.165	-0.018	54.175	-0.018	54.192	0.010
54.205	-0.010	54.218	-0.034	54.236	0.006	54.248	-0.014
54.263	-0.042	54.275	-0.011	54.297	0.029	54.310	-0.007
54.324	-0.015	54.343	-0.007	54.361	-0.007	54.373	0.009
54.388	0.021	54.404	0.013	54.422	-0.002	54.435	-0.030
54.458	0.022	54.472	-0.010	54.483	-0.014	54.506	0.014
54.519	0.006	54.539	-0.001	54.553	-0.009	54.567	-0.009
54.583	-0.005	54.599	0.015	54.611	0.035	54.623	0.011
54.650	-0.009	54.663	0.003	54.686	0.011	54.704	-0.016
54.718	-0.004	54.734	0.007	54.746	0.004	54.759	-0.000
54.778	0.024	54.792	-0.000	54.801	-0.008	54.812	0.012
54.825	0.032	54.839	0.004	54.848	-0.004	54.857	0.012
54.872	0.031	54.885	0.007	54.896	-0.005	54.909	0.031
54.922	0.054	54.935	0.015	54.952	-0.009	54.966	0.018
54.979	0.030	54.994	0.026	55.017	0.033	55.031	0.025
55.057	0.013	55.077	0.021	55.097	0.016	55.116	0.0
55.124	-0.016	55.141	0.007	55.158	0.015	55.176	0.014
55.201	-0.010	55.219	-0.007	55.238	-0.003	55.265	-0.004
55.268	-0.004	55.284	-0.008	55.295	-0.016	55.314	0.007
55.327	0.015	55.344	0.007	55.363	-0.002	55.372	-0.010
55.388	-0.030	55.406	0.002	55.429	0.025	55.444	0.025
55.462	0.005	55.480	-0.003	55.495	-0.019	55.512	-0.011
55.527	-0.004	55.542	-0.012	55.556	-0.020	55.565	-0.004
55.583	0.012	55.604	-0.000	55.618	-0.012	55.639	-0.004
55.658	0.008	55.680	0.004	55.686	0.004	55.710	0.020
55.727	0.020	55.742	0.020	55.751	0.012	55.769	0.020
55.787	0.024	55.802	0.012	55.821	-0.004	55.845	0.016
55.866	0.020	55.880	0.012	55.900	0.004	55.918	0.008
55.940	0.012	55.958	0.020	55.984	0.008	56.003	0.016
56.021	0.016	56.035	0.012	56.060	0.024	56.086	-0.004
56.106	0.004	56.128	0.004	56.150	0.008	56.171	0.004
56.193	0.012	56.215	0.016	56.232	0.012	56.250	0.012
56.269	0.016	56.289	0.016	56.303	-0.000	56.327	-0.008
56.353	0.003	56.377	0.011	56.396	0.019	56.418	0.019
56.422	0.019	56.440	-0.005	56.453	-0.017	56.475	-0.009
56.492	0.002	56.509	0.002	56.532	0.010	56.549	0.010
56.583	0.006	56.603	-0.003	56.608	-0.003	56.626	-0.003
56.648	0.001	56.666	0.000	56.687	0.008	56.706	0.011
56.723	-0.005	56.745	0.007	56.763	0.003	56.787	0.018
56.814	0.002	56.842	0.001	56.862	0.001	56.891	0.004
56.910	0.012	56.924	0.016	56.941	0.012	56.956	0.007
56.978	0.019	56.990	0.019	57.004	0.011	57.018	0.006
57.034	0.006	57.041	0.006	57.064	0.010	57.079	0.013
57.080	0.013	57.096	0.013	57.121	0.017	57.144	0.016
57.163	0.016	57.180	0.016	57.192	0.016	57.206	0.003

57.230	0.027	57.246	0.011	57.258	-0.005	57.287	0.002
57.306	-0.002	57.338	0.018	57.359	0.006	57.386	0.002
57.406	0.006	57.425	-0.010	57.446	-0.014	57.465	-0.003
57.490	0.017	57.507	0.009	57.521	-0.003	57.545	-0.011
57.561	-0.011	57.585	-0.011	57.603	-0.015	57.622	-0.004
57.643	0.004	57.671	-0.008				

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NORTH
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California Institute of Technology

Earthquake Engineering Research Laboratory

The following reports of the Earthquake Engineering Research Laboratory from 1970 on can be obtained from the National Technical Information Service, Springfield, Virginia 22151:

			Cost
EERL 70-20	Strong-Motion Earthquake Accelerograms - Digitized and Plotted Data (Vol. I, Part A)	PB-187 847	$ 3
EERL 70-21	" " (Vol. I, Part B)	PB-196 823	3
EERL 71-20	" " (Vol. I, Part C)	PB-204 364	3
EERL 71-21	" " (Vol. I, Part D)	PB-208 529	3
EERL 71-22	" " (Vol. I, Part E)		6
EERL 71-23	" " (Vol. I, Part F)		6
EERL 71-50	Strong-Motion Earthquake Accelerograms - Digitized and Plotted Data: Corrected Accelerograms and Integrated Ground Velocity and Displacement Curves (Vol. II, Part A)	PB-208 283	6
Joint Report:	Strong-Motion Instrumental Data on the San Fernando Earthquake of February 9, 1971	PB-204 198	3
EERL 71-01	P. C. Jennings et al, Forced Vibration of a 22-Story Steel Frame Building	PB-205 161	3
EERL 71-02	P. C. Jennings, ed., Engineering Features of the San Fernando Earthquake	PB-202 550	6
EERL 71-03	Randolph A. Adu, Response and Failure of Structures under Stationary Random Excitation	PB-205 304	3
EERL 71-04	Jacobo Bielak, Earthquake Response of Building-Foundation Systems	PB-205 305	3
EERL 71-05	M. D. Trifunac, F. E. Udwadia, A. G. Brady, High Frequency Errors and Instrument Corrections of Strong-Motion Accelerograms	PB-205 369	3
EERL 71-06	Knut Sverre Skattum, Dynamic Analysis of Coupled Shear Walls and Sandwich Beams	PB-205 267	3
EERL 71-07	John Brent Hoerner, Modal Coupling and Earthquake Response of Tall Buildings	PB-207 635	3
EERL 72-01	P. C. Jennings and J. Bielak, Dynamics of Building-Soil Interaction		