

# CALIFORNIA INSTITUTE OF TECHNOLOGY

EARTHQUAKE ENGINEERING RESEARCH LABORATORY

## STRONG MOTION EARTHQUAKE ACCELEROGRAMS

DIGITIZED AND PLOTTED DATA

VOLUME I - UNCORRECTED ACCELEROGRAMS

PART H - ACCELEROGRAMS IH115 THROUGH IH127

ACCELEROGRAMS FROM THE  
SAN FERNANDO, CALIFORNIA, EARTHQUAKE  
OF FEBRUARY 9, 1971

LOG NOS. 71.024, 71.026, 71.025, 71.039,  
71.037, 71.041, 71.071, 71.083,  
71.082, 71.133, 71.134, 71.132,  
71.228.

EERL 72-21

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 thirteen records consisting of three each from buildings at the following addresses: 15250 Ventura Boulevard and 8639 Lincoln Avenue in Los Angeles, 900 South Fremont Avenue, Alhambra, 2600 Nutwood Avenue, Fullerton, and the basement record from the San Diego Gas and Electric Building.



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## Preface to Volume I, Part H

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 thirteen records consisting of three each from buildings at the following addresses: 15250 Ventura Boulevard and 8639 Lincoln Avenue in Los Angeles, 900 South Fremont Avenue, Alhambra, 2600 Nutwood Avenue, Fullerton, and the basement record from the San Diego Gas and Electric Building.

The previous issue, Volume I, Part G, contained the first of the San Fernando data originally recorded on 70 mm film, and details of the film preparation may be found in that issue. This issue continues the 70 mm film records. As in previous reports the plots following the computer printouts 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.

IH 115, 116, 117. 15250 Ventura Boulevard, Los Angeles; Basement, 7th Floor and Roof. The entire record of 40 seconds was digitized. After 15 seconds there appeared several areas of very high frequency oscillations, up to 200 cps, on all three components of the 7th floor record. These are probably associated with higher undamped modes of the instruments. An



attempt was made to digitize some of these although for the most part it was impossible, in which case the digitizing was carried on through an estimated centerline of the high frequency portion.

IH 118, 119, 120. 8639 Lincoln Avenue, Los Angeles; Basement, 6th and 12th Floors. The entire records of 85 - 86 seconds were digitized.

IH 121, 122, 123. 900 South Fremont Avenue, Alhambra; Basement, 6th and 12th Floors. The basement and 6th floor records were digitized to the end at 45 seconds while the 12th floor record was stopped two seconds short at 43 seconds. This 12th floor record during its first 20 seconds contains some high frequency portions similar to those described in record IH 116 above but these were not digitized.

IH 124, 125, 126. 2600 Nutwood Avenue, Fullerton; Basement, Penthouse (Center Section) and Penthouse (West Wing). Thirty-three seconds were digitized in the first two records and the entire length of 35 seconds was digitized in the third record.

IH 127. San Diego Gas and Electric Building; Basement. The complete record of 28 seconds was digitized. There was no record from the instrument on the 22nd floor.

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 No. & Location	Component Direction	Period T <sub>0</sub> (sec)	Sens. * (cm/g)	Damp * Ratio, $\epsilon$	Damp * % crit.
IH115	71.024	SMA-1 185	466 L.A., 15250 Ventura Blvd., Bsmnt.	N11E N79W Down	0.040 0.038 0.038	1.95 1.78 1.70	18.0 11.3 10.5	67.7 61.1 60.0
IH116	71.026	SMA-1 184	467 L.A., 15250 Ventura Blvd., 7th Floor	N11E N79W Down	0.038 0.039 0.039	1.80 1.88 1.71	12.7 9.3 8.6	62.9 57.8 56.5
IH117	71.025	SMA-1 183	468 L.A., 15250 Ventura Blvd., Roof	N11E N79W Down	0.040 0.038 0.039	1.92 1.70 1.91	10.1 12.9 9.0	59.3 63.1 57.3
IH118	71.039	RFT-250 169	244 L.A., 8639 Lincoln Ave. Basement	S - W S - E Down	0.045 0.046 0.046	1.90* 1.90* 1.90*	10.1 16.7 11.5	59.3 66.8 61.4
IH119	71.037	RFT-250 170	245 L.A., 8639 Lincoln Ave. 6th Floor	S - W S - E Down	0.047 0.046 0.045	1.90* 1.90* 1.90*	16.3 9.7 7.6	66.4 58.5 54.2
IH120	71.041	RFT-250 168	246 L.A., 8639 Lincoln Ave. 12th Floor	S - W S - E Down	0.046 0.047 0.047	1.90* 1.90* 1.90*	11.3 9.0 6.0	61.0 57.3 49.4
IH121	71.071	SMA-1 179	482 Alhm., 900 S. Fremont Ave., Bsmnt.	West South Down	0.036 0.038 0.039	1.60 1.78 1.75	8.1 14.2 14.9	55.4 64.5 65.2
IH122	71.083	SMA-1 187	483 Alhm., 900 S. Fremont Ave., 6th Floor	West South Down	0.038 0.038 0.039	1.80 1.70 1.75	8.5 11.3 9.2	56.3 61.1 57.7
IH123	71.082	SMA-1 165	484 Alhm., 900 S. Fremont 12th Floor	West South Down	0.038 0.038 0.039	1.80 1.70 1.75	6.2 9.0 14.8	50.3 57.3 65.1

\* 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 No. & Location	Component Direction	Period T <sub>0</sub> (sec)	Sens.* (cm/g)	Damp* Ratio, ε	Damp* % crit.
IH124	71.133	SMA-1 113	476	West	0.036	1.69	6.3	50.6
			Fullerton, 2600 Nut- wood, Bsmnt.	South	0.037	1.69	8.5	56.2
				Down	0.039	1.72	6.4	50.8
IH125	71.134	SMA-1 116	478	West	0.035	1.74	6.6	51.4
			Fullerton, 2600 Nut- wood, Penth., Ctr.	South	0.041	1.90	9.9	58.9
				Down	0.032	1.36	8.8	57.0
IH126	71.132	SMA-1 110	477	West	0.034	1.76	4.0	40.4
			Fullerton, 2600 Nut- wood, Penth., W. Wing	South	0.035	1.68	5.4	47.4
				Down	0.032	1.68	4.7	44.2
IH127	71.228	RFT-250 209	275	East	0.044	1.90*	10.5	60.0
			San Diego, Gas and Electric Bldg., Bsmnt.	North	0.047	1.90*	12.7	62.9
				Down	0.047	1.90*	16.7	66.7

\*

Static Magnification,  $V_s = \omega_n^2 \cdot \text{Sensitivity} = \left( \frac{2\pi}{T_0(\text{sec})} \right)^2 \cdot \frac{\text{Sensitivity (cm/g)}}{980 (\text{cm/sec}^2/\text{g})}$

Asterisked sensitivities are nominal values.

Damping Ratio,  $\epsilon = \exp [\pi n / \sqrt{1-n^2}]$  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. EERL 71.02, 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.



TH 115

71-024 2/9/71 0600PST L.A. 15250 VENTURA BLVD. BASEMENT NILE

2435 FCINTS 40.314 SECCNDS

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 0.3853 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.113	0.016	0.124	0.028	0.039	0.034	-0.027	2.160	0.153	2.168	0.188	2.165	0.192	2.200	0.169		
0.042	-0.038	0.054	-0.012	0.067	0.023	0.074	-0.008	2.212	0.053	2.223	-0.005	2.239	0.010	2.253	0.010		
C.090	-0.051	0.101	-0.035	0.108	0.003	0.112	0.034	2.271	-0.052	2.283	-0.011	2.306	-0.001	2.321	0.068		
0.126	-0.004	0.139	-0.082	0.149	-0.105	0.161	-0.074	2.334	0.107	2.346	0.072	2.364	-0.075	2.379	-0.110		
C.176	-0.086	0.189	-0.086	0.204	-0.005	0.222	-0.049	2.390	-0.037	2.405	0.076	2.423	0.165	2.437	0.242		
C.237	0.014	0.248	0.049	C.260	0.084	0.276	0.049	2.473	C.180	2.490	0.153	2.505	C.126	2.522	0.052		
0.288	0.018	0.304	0.049	0.315	0.041	0.322	0.002	2.550	C.048	2.567	-0.018	2.582	0.154	2.596	-0.289		
0.331	-0.044	0.346	-0.006	0.359	0.014	0.379	0.006	2.608	-0.367	2.617	-0.320	2.627	-0.162	2.633	-0.684		
0.391	-0.010	0.407	0.021	0.416	0.052	0.427	-0.010	2.640	0.013	2.656	0.066	2.669	0.172	2.680	0.211	0.334	
0.440	-0.045	0.449	0.005	0.461	0.048	0.473	-0.010	2.693	0.179	2.716	0.218	0.257	0.272	2.722	0.234		
0.487	-0.034	0.503	0.005	0.520	0.071	0.527	0.048	2.735	0.361	2.743	0.307	2.755	C.156	2.766	0.001		
0.538	-0.011	0.546	-0.046	0.556	0.016	0.564	0.113	2.777	-0.162	2.786	-0.251	2.800	-0.232	2.812	-0.131		
0.571	0.144	C.583	0.090	0.593	0.051	0.606	0.066	2.830	-0.073	2.830	-0.035	2.837	-0.073	2.847	-0.186		
C.618	0.055	0.636	0.086	0.659	0.004	0.672	-0.054	2.856	-0.271	2.866	-0.279	2.876	-0.209	2.887	-0.147		
0.687	-0.089	0.700	-0.039	0.715	0.027	0.728	0.070	2.901	-0.155	2.911	0.136	2.924	-0.027	2.929	0.015		
C.748	0.081	C.758	0.035	C.776	-0.074	0.790	-0.121	2.935	-0.058	2.947	0.035	2.958	-0.074	2.971	0.066		
0.797	-0.070	0.809	0.007	C.818	0.050	0.831	0.073	2.983	0.035	2.993	0.097	3.006	0.077	3.027	0.015		
C.847	0.100	0.863	0.100	0.881	0.050	0.894	0.038	3.045	-0.008	3.059	-0.082	3.079	-0.109	3.102	0.078		
0.906	0.158	0.914	0.232	0.926	0.173	0.937	0.069	3.110	-0.055	3.124	0.042	3.137	C.077	3.149	0.131		
0.949	0.030	0.972	0.049	0.987	-0.017	0.997	-0.048	3.163	0.193	3.169	0.158	3.179	C.100	3.195	0.088		
1.015	-0.005	1.028	-0.001	1.041	-0.040	1.056	-0.060	3.209	0.187	3.226	0.061	3.234	-0.007	3.248	-0.118		
1.068	-0.002	1.080	0.041	1.092	0.029	1.109	C.060	3.258	-0.187	3.268	-0.230	3.294	-0.222	3.305	-0.160		
1.131	0.033	1.142	0.025	1.160	0.045	1.180	0.006	3.314	-0.036	3.322	0.227	3.331	0.313	3.343	C.255		
1.191	0.021	1.201	0.106	1.209	0.176	1.220	0.230	3.353	C.069	3.359	0.003	3.376	C.014	3.398	0.069		
1.242	0.176	1.258	0.137	1.266	0.071	1.273	-0.049	3.411	0.076	3.423	0.115	3.434	0.107	3.444	C.630		
1.282	-0.118	1.291	-0.130	1.314	-0.083	1.334	-0.041	3.454	-C.090	3.460	-0.144	3.474	-0.230	3.488	-0.268		
1.349	C.010	1.360	0.056	1.374	-0.021	1.386	-0.060	3.500	-0.245	3.512	-0.102	3.521	C.003	3.529	0.057		
1.406	-0.029	1.421	0.052	1.431	0.158	1.445	0.193	3.542	C.046	3.551	0.061	3.563	C.181	3.572	0.240		
1.459	0.193	1.479	0.038	1.500	-0.133	1.510	-0.183	3.581	0.189	3.594	C.150	3.608	0.197	3.623	0.158		
1.527	-0.058	1.541	0.065	1.550	0.135	1.564	0.174	3.638	-0.185	3.649	-0.148	3.657	-C.190	3.674	-0.156		
1.580	0.271	1.591	0.317	1.601	0.333	1.613	0.254	3.688	-0.156	3.699	-0.082	3.711	-0.039	3.736	-0.031		
1.633	0.174	1.648	0.101	1.666	-0.008	1.679	-0.046	3.732	-C.066	3.743	-C.043	3.755	-0.055	3.808	0.004		
1.689	-0.178	1.697	-0.341	1.707	-0.414	1.728	-0.263	3.819	0.058	3.830	0.035	3.845	0.062	3.857	C.093		
1.748	-0.170	1.750	0.070	1.768	0.163	1.788	-0.023	3.869	0.058	3.882	-0.004	3.895	0.031	3.908	0.139		
1.817	-0.245	1.829	-0.214	1.858	0.106	1.875	-0.053	3.918	0.213	3.937	0.194	3.950	C.314	3.959	C.360		
1.884	-0.111	1.902	-0.049	1.906	0.048	1.914	0.086	3.969	-0.287	3.978	C.132	3.987	-C.043	3.994	-0.194		
1.928	-0.083	1.937	0.025	1.949	-0.030	1.962	-0.030	4.005	-0.260	4.016	-0.186	4.028	-0.077	4.040	-0.039		
1.982	-C.064	2.005	-0.181	2.026	-0.014	2.043	-0.002	4.056	-C.027	4.063	C.035	4.072	C.093	4.090	C.047		
2.055	0.087	2.082	0.141	2.072	0.165	2.093	0.079	4.105	0.008	4.113	0.058	4.123	C.190	4.121	0.252		
2.111	0.006	2.128	-0.017	2.135	-0.010	2.153	-0.064	4.142	C.210	4.158	-C.020	4.171	-0.151	4.186	-0.222		



4.201	-0.244	4.217	-0.217	4.233	-0.251	4.238	-0.333	6.613	-0.012	6.626	-0.400	6.629	-0.493	6.640	-0.586
4.247	-0.449	4.259	-0.503	4.272	-0.461	4.295	-0.418	6.652	-0.458	6.658	-0.319	6.661	-0.195	6.676	-0.125
4.304	-0.313	4.314	-0.108	4.325	-0.342	4.333	-0.450	6.684	-0.159	6.694	-0.119	6.702	-0.141	6.717	-0.030
4.341	0.636	4.360	0.783	4.379	0.942	4.400	0.977	6.725	0.290	6.735	0.479	6.741	0.603	6.754	0.673
4.417	1.124	4.431	1.198	4.444	1.109	4.458	0.744	6.767	0.704	6.781	0.847	6.793	0.960	6.807	1.080
4.472	0.388	4.484	0.120	4.494	-0.279	4.517	-0.663	6.813	1.266	6.822	1.440	6.829	1.626	6.832	1.680
4.542	-1.143	4.560	-1.488	4.567	-1.620	4.578	-1.659	6.837	1.703	6.847	1.416	6.858	1.416	6.872	0.574
4.593	-1.504	4.603	-1.236	4.616	-0.368	4.626	0.209	6.885	0.323	6.896	-0.324	6.909	-0.894	6.918	-1.239
4.635	0.360	4.643	0.585	4.654	0.732	4.664	0.794	6.931	-1.662	6.947	-2.030	6.956	-2.177	6.967	-2.251
4.676	0.806	4.685	0.744	4.693	0.639	4.700	0.573	6.972	-2.201	6.981	-2.050	6.993	-1.623	7.020	-0.876
4.715	0.585	4.730	0.604	4.738	0.581	4.753	0.562	7.031	-0.514	7.047	0.015	7.056	0.279	7.065	0.418
4.763	0.600	4.778	0.744	4.786	0.825	4.798	0.872	7.076	0.445	7.082	0.426	7.090	0.414	7.100	0.449
4.813	0.825	4.825	0.713	4.831	0.395	4.838	0.015	7.106	0.550	7.117	0.754	7.123	0.922	7.134	0.941
4.846	-0.470	4.852	-0.722	4.859	-0.884	4.866	-0.923	7.148	0.948	7.163	0.964	7.175	0.921	7.182	0.789
4.873	-0.861	4.883	-0.757	4.889	-0.671	4.903	-0.772	7.195	0.390	7.205	0.181	7.214	0.087	7.223	0.138
4.911	-0.873	4.920	-0.919	4.932	-0.772	4.948	-0.358	7.237	0.285	7.258	0.366	7.277	0.428	7.288	0.370
4.957	-0.117	4.968	0.007	4.979	0.158	4.990	0.394	7.301	0.102	7.305	-0.067	7.318	-0.061	7.323	0.040
4.958	0.650	5.003	0.727	5.011	0.782	5.019	0.723	7.331	0.106	7.339	0.140	7.345	0.086	7.356	-0.317
5.029	0.561	5.032	0.440	5.040	0.278	5.047	0.204	7.369	-0.683	7.374	-1.143	7.377	-1.279	7.383	-1.337
5.052	0.150	5.061	0.142	5.074	0.169	5.089	0.270	7.393	-1.244	7.404	-0.849	7.412	-0.508	7.426	-0.047
5.092	0.336	5.101	0.370	5.108	0.324	5.119	0.184	7.431	0.201	7.438	0.461	7.444	0.872	7.455	1.139
5.127	0.056	5.134	-0.075	5.145	-0.137	5.157	-0.048	7.464	1.302	7.472	1.348	7.479	1.286	7.490	1.146
5.178	0.413	5.187	0.572	5.202	0.665	5.207	0.665	7.499	0.766	7.514	0.010	7.528	-0.528	7.535	-0.715
5.225	0.738	5.237	0.657	5.250	0.521	5.257	0.521	7.540	-0.850	7.565	-1.130	7.576	-1.265	7.583	-1.324
5.255	0.451	5.266	0.471	5.278	0.633	5.287	0.819	7.590	-1.273	7.604	-1.055	7.635	-0.530	7.651	0.017
5.293	0.891	5.299	0.874	5.312	0.134	5.334	0.447	7.669	0.489	7.699	0.644	7.677	0.694	7.686	0.644
5.340	0.358	5.349	0.323	5.361	0.315	5.366	0.273	7.663	0.671	7.709	-0.384	7.804	-0.609	7.811	-0.729
5.375	0.040	5.384	-0.084	5.391	-0.158	5.409	-0.212	7.731	0.860	7.740	0.829	7.750	0.868	7.760	0.907
5.416	-0.320	5.439	-0.762	5.447	-0.952	5.455	-1.053	7.767	0.872	7.776	0.748	7.776	0.534	7.782	0.341
5.464	-1.111	5.479	-1.061	5.490	-0.972	5.497	-0.770	7.751	-0.004	7.799	-0.384	7.804	-0.609	7.811	-0.729
5.508	-0.224	5.510	0.032	5.518	0.439	5.525	0.776	7.818	-0.764	7.826	-0.741	7.841	-0.668	7.850	-0.509
5.534	0.993	5.540	1.075	5.552	1.063	5.563	0.939	7.855	-0.336	7.867	-0.031	7.876	-0.017	7.886	-0.013
5.575	0.733	5.590	0.567	5.599	0.450	5.617	0.171	7.893	0.049	7.901	0.157	7.915	0.529	7.921	0.599
5.628	-0.015	5.637	-0.170	5.645	-0.205	5.655	-0.108	7.932	0.633	7.944	0.672	7.955	0.776	7.968	0.811
5.664	-0.042	5.688	-0.011	5.700	-0.008	5.707	0.070	7.953	0.712	7.955	0.668	8.007	0.474	8.018	0.249
5.716	0.245	5.727	0.318	5.733	0.287	5.745	0.136	8.028	0.159	8.036	0.136	8.048	0.194	8.055	0.244
5.757	-0.100	5.763	-0.213	5.770	-0.278	5.782	-0.313	8.063	0.283	8.078	0.232	8.086	0.186	8.097	0.225
5.756	-0.449	5.809	-0.511	5.821	-0.449	5.832	-0.333	8.105	0.345	8.110	0.339	8.117	0.418	8.127	0.399
5.844	-0.158	5.855	-0.112	5.858	-0.135	5.874	-0.286	8.158	0.150	8.178	-0.028	8.190	-0.226	8.208	-0.598
5.883	-0.333	5.896	-0.259	5.909	-0.027	5.922	0.357	8.223	-0.567	8.235	-1.149	8.237	-1.227	8.251	-1.196
5.927	0.725	5.936	1.024	5.941	1.155	5.952	1.218	8.268	-1.014	8.276	-0.832	8.284	-0.646	8.296	-0.421
5.959	1.148	5.974	0.900	5.984	0.760	6.000	0.373	8.311	-0.200	8.328	-0.038	8.349	0.082	8.358	0.260
6.007	0.113	6.010	-0.058	6.021	-0.139	6.034	-0.046	8.378	0.636	8.384	0.876	8.391	1.086	8.399	1.186
6.040	0.001	6.048	0.039	6.059	-0.015	6.072	-0.174	8.408	1.248	8.414	1.202	8.426	1.058	8.439	0.763
6.076	-0.306	6.089	-0.399	6.097	-0.348	6.110	-0.247	8.455	0.306	8.467	0.035	8.478	-0.233	8.498	-0.768
6.117	-0.178	6.134	-0.201	6.147	-0.228	6.160	-0.224	8.509	-0.954	8.513	-1.028	8.526	-1.009	8.546	-0.850
6.171	-0.158	6.181	-0.135	6.195	-0.170	6.209	-0.267	8.556	-0.730	8.567	-0.532	8.576	-0.342	8.585	-0.001
6.223	-0.418	6.238	-0.678	6.246	-0.871	6.258	-0.945	8.593	0.156	8.598	0.285	8.606	0.308	8.615	0.289
6.265	-0.918	6.288	-0.728	6.302	-0.608	6.313	-0.484	8.629	0.316	8.637	0.393	8.652	0.544	8.657	0.626
6.322	-0.139	6.331	0.233	6.342	0.679	6.345	0.826	8.663	0.657	8.676	0.649	8.682	0.602	8.693	0.435
6.351	0.942	6.363	1.027	6.374	1.039	6.382	1.004	8.698	0.373	8.708	0.063	8.721	-0.247	8.727	-0.336
6.354	0.965	6.406	0.965	6.421	0.984	6.432	0.930	8.741	-0.487	8.757	-0.856	8.766	-1.108	8.772	-1.271
6.439	0.841	6.449	0.612	6.465	0.341	6.477	0.070	8.779	-1.325	8.785	-0.918	8.797	-0.918	8.814	-0.325
6.486	-0.151	6.497	-0.423	6.507	-0.543	6.516	-0.375	8.824	0.085	8.838	0.508	8.847	0.814	8.855	0.972
6.532	-0.376	6.545	-0.179	6.557	0.205	6.568	0.320	8.860	1.042	8.867	1.077	8.874	1.042	8.880	0.910
6.571	0.445	6.581	0.495	6.599	0.430	6.600	0.290	8.894	0.445	8.904	0.208	8.910	0.053	8.924	-0.311



8.935	-0.606	8.942	-0.796	8.950	-0.932	8.960	-0.578	11.047	C.334	11.055	C.268	11.071	C.384	11.088	0.453
8.971	-0.936	8.979	-0.831	8.985	-0.742	8.995	-0.715	11.107	0.383	11.117	0.332	11.134	C.200	11.149	C.095
9.012	-0.684	9.029	-0.665	9.043	-0.518	9.054	-0.715	11.170	0.072	11.191	0.017	11.222	-0.049	11.222	C.028
9.067	0.435	9.073	0.850	9.079	1.059	9.084	1.384	11.237	0.217	11.253	0.442	11.266	C.686	11.283	C.899
9.089	1.640	9.097	1.776	9.104	1.826	9.109	1.799	11.295	1.007	11.310	1.146	11.327	1.243	11.347	1.266
9.123	1.554	9.139	1.217	9.159	0.956	9.173	0.651	11.359	1.084	11.372	0.743	11.384	C.425	11.396	0.157
9.188	0.302	9.193	0.201	9.199	0.108	9.206	0.058	11.412	-0.010	11.427	-0.211	11.438	-0.347	11.451	-C.433
9.215	0.096	9.223	0.143	9.232	0.135	9.237	0.057	11.473	-0.425	11.493	-0.468	11.514	-0.305	11.525	-C.100
9.247	-0.226	9.259	-0.655	9.271	-1.114	9.278	-1.253	11.545	C.365	11.553	C.512	11.571	0.616	11.593	C.597
9.287	-1.408	9.293	-1.455	9.303	-1.447	9.315	-1.397	11.611	0.643	11.624	0.747	11.641	0.832	11.654	C.689
9.328	-1.184	9.338	-1.184	9.352	-0.983	9.362	-0.669	11.664	0.553	11.672	0.410	11.686	0.351	11.705	0.390
9.372	-0.181	9.384	0.501	9.398	1.334	9.409	1.799	11.720	0.289	11.743	0.256	11.760	0.331	11.778	0.533
9.420	1.996	9.423	2.008	9.434	1.930	9.447	1.717	11.789	0.742	11.800	0.756	11.812	0.687	11.829	C.494
9.463	1.054	9.470	0.655	9.477	0.492	9.483	0.201	11.838	0.451	11.852	C.587	11.866	0.784	11.880	0.978
9.455	-0.280	9.505	-0.757	9.514	-0.547	9.523	-1.226	11.897	1.098	11.913	0.935	11.922	C.664	11.935	0.362
9.530	-1.350	9.534	-1.424	9.545	-1.381	9.554	-1.269	11.949	0.218	11.959	0.331	11.973	C.385	11.986	C.296
9.565	-0.874	9.579	-0.110	9.585	0.510	9.593	0.750	11.998	-0.176	12.008	C.125	12.023	0.082	12.037	-0.038
9.594	0.936	9.606	1.025	9.607	1.137	9.613	1.187	12.046	-0.216	12.059	-0.456	12.070	-0.646	12.080	-0.755
9.621	1.214	9.630	1.218	9.639	1.195	9.647	1.140	12.108	-0.639	12.120	-0.468	12.132	-0.282	12.144	-0.061
9.654	1.067	9.659	0.985	9.669	0.745	9.676	0.543	12.156	C.009	12.169	-C.157	12.178	-C.426	12.189	-0.631
9.694	0.101	9.711	-0.155	9.723	-0.453	9.726	-0.543	12.198	-0.708	12.216	-C.429	12.228	-C.030	12.236	C.222
9.743	-1.004	9.748	-1.179	9.756	-1.307	9.759	-1.338	12.246	C.400	12.260	0.617	12.273	C.694	12.287	C.590
9.765	-1.330	9.773	-1.214	9.776	-1.032	9.779	-0.943	12.298	0.396	12.308	0.159	12.319	-0.131	12.328	-0.306
9.785	-0.629	9.790	-0.412	9.797	-0.277	9.800	-0.223	12.337	-0.496	12.358	-C.657	12.376	-C.554	12.388	-0.407
9.807	-0.258	9.818	-0.394	9.827	-0.421	9.832	-0.390	12.402	-0.229	12.423	-0.194	12.434	-0.097	12.450	-0.027
9.835	-0.325	9.844	-0.135	9.848	0.000	9.856	0.089	12.461	-0.202	12.473	-0.477	12.480	-C.671	12.496	-C.814
9.862	0.116	9.867	0.077	9.878	-0.036	9.887	-0.172	12.508	-0.659	12.520	-0.334	12.530	-0.124	12.547	C.279
9.893	-0.238	9.909	-0.271	9.918	-0.318	9.921	-0.419	12.554	C.465	12.571	0.515	12.591	C.348	12.605	0.166
9.934	-0.710	9.943	-0.982	9.954	-1.126	9.960	-1.185	12.621	0.057	12.635	-0.143	12.650	0.205	12.670	C.011
9.966	-1.139	9.974	-0.969	9.983	-0.574	9.999	-0.230	12.683	-0.222	12.693	-0.369	12.704	-0.544	12.725	-0.664
10.009	-0.049	10.027	0.357	10.038	0.803	10.046	0.992	12.737	-0.586	12.752	-0.366	12.769	-0.292	12.791	-0.312
10.052	1.112	10.058	1.177	10.064	1.268	10.073	1.169	12.805	-0.374	12.820	-C.450	12.835	-0.638	12.851	-0.743
10.082	1.064	10.094	0.874	10.112	0.554	10.127	0.083	12.875	-0.801	12.891	-C.852	12.915	-0.883	12.946	-0.682
10.141	-0.266	10.149	-0.483	10.153	-0.584	10.158	-0.635	12.961	-0.508	12.976	-C.368	12.998	-0.307	13.014	-C.129
10.164	-0.596	10.173	-0.522	10.183	-0.247	10.195	0.102	13.029	0.065	13.043	0.084	13.058	-0.052	13.072	-0.242
10.200	0.266	10.208	0.528	10.216	0.776	10.220	0.873	13.086	-0.529	13.108	-C.700	13.130	-0.615	13.156	-0.623
10.223	0.927	10.235	0.876	10.249	0.667	10.263	0.372	13.173	-0.627	13.195	-0.519	13.214	-0.372	13.226	-0.178
10.275	C.190	10.296	-0.237	10.310	-0.435	10.314	-0.473	13.246	-0.050	13.258	-0.066	13.270	-0.167	13.286	-0.295
10.322	-0.485	10.329	-0.412	10.333	-0.272	10.341	-0.168	13.306	-0.358	13.332	-0.281	13.353	-C.204	13.371	C.029
10.348	-0.098	10.359	-0.156	10.369	-0.327	10.374	-C.509	13.384	C.199	13.399	0.361	13.419	0.465	13.436	0.558
10.366	-0.641	10.390	-0.711	10.399	-0.731	10.410	-0.739	13.461	C.709	13.482	0.484	13.497	0.169	13.510	-0.005
10.425	-0.642	10.437	-0.507	10.458	-0.116	10.463	0.074	13.524	-0.110	13.543	-0.235	13.568	-C.336	13.597	-C.333
10.471	0.221	10.481	0.264	10.490	0.159	10.504	-0.113	13.615	-0.252	13.639	-0.163	13.661	-0.102	13.683	-C.249
10.508	-0.287	10.522	-0.450	10.528	-0.497	10.536	-0.443	13.700	-C.339	13.714	-C.353	13.739	-0.301	13.764	-0.127
10.547	-0.292	10.555	0.069	10.562	0.200	10.567	0.347	13.782	-0.003	13.803	0.112	13.820	C.259	13.848	0.294
10.578	0.329	10.583	0.564	10.597	0.424	10.609	0.223	13.871	0.177	13.891	C.056	13.917	-C.057	13.936	-0.096
10.621	0.145	10.639	0.230	10.654	0.303	10.669	0.311	13.953	-0.236	13.965	C.449	13.994	-C.601	14.021	-0.520
10.686	0.020	10.695	-0.205	10.703	-0.488	10.718	-0.822	14.047	-C.393	14.066	-C.300	14.091	-0.212	14.116	-0.073
10.726	-0.888	10.739	-0.900	10.752	-0.885	10.759	-0.799	14.143	-0.054	14.166	0.008	14.186	-C.007	14.199	-0.098
10.765	-0.679	10.774	-0.482	10.780	-0.377	10.786	-0.285	14.217	-0.292	14.234	-C.370	14.253	-C.238	14.265	-C.114
10.800	-0.207	10.812	-0.095	10.822	-0.095	10.829	0.172	14.279	0.013	14.310	0.040	14.332	-0.019	14.355	-0.100
10.838	0.230	10.849	0.063	10.858	-0.112	10.864	-0.236	14.373	-0.186	14.385	-C.306	14.403	-C.450	14.426	-0.516
10.876	-0.352	10.887	-0.236	10.896	-0.012	10.903	0.166	14.454	-0.288	14.469	-0.013	14.478	C.146	14.490	C.374
10.911	0.372	10.919	0.503	10.935	0.553	10.951	0.530	14.505	C.517	14.535	0.656	14.561	0.745	14.587	0.896
10.963	0.456	10.977	0.397	10.989	0.506	11.000	0.688	14.606	0.911	14.627	C.825	14.655	1.011	14.671	1.034
11.012	0.811	11.019	0.823	11.030	0.706	11.037	0.543	14.692	1.003	14.716	C.548	14.737	0.742	14.751	C.641



14.763	0.606	14.792	0.711	14.819	0.764	14.841	0.644	15.537	-0.028	19.551	C.0EL	19.566	0.096	19.579	C.019
14.855	0.508	14.876	0.322	14.891	0.190	14.908	0.132	19.594	-0.105	19.609	-0.253	19.621	-0.361	19.633	-0.400
14.932	0.216	14.950	0.290	14.961	0.410	14.993	0.533	19.653	-0.315	19.665	-0.159	19.686	-0.055	19.701	C.076
15.017	0.626	15.050	0.440	15.070	0.397	15.094	C.489	19.714	0.185	19.734	0.365	19.752	0.375	19.775	C.390
15.120	0.594	15.139	0.582	15.163	0.543	15.195	0.608	19.756	C.328	19.808	C.212	19.826	C.343	19.844	C.390
15.221	0.604	15.242	0.476	15.260	0.410	15.283	C.444	19.868	0.424	19.888	0.432	19.905	0.374	19.920	C.346
15.308	C.378	15.334	0.308	15.362	0.230	15.390	C.179	19.942	C.431	19.955	0.469	19.986	C.481	20.008	C.470
15.427	0.201	15.457	0.259	15.480	0.294	15.503	C.208	20.025	0.411	20.045	0.373	20.067	0.388	20.088	C.423
15.519	0.126	15.542	-0.118	15.566	-0.231	15.576	-0.328	20.110	0.465	20.135	C.546	20.155	0.627	20.172	0.705
15.607	-0.321	15.629	-0.228	15.647	-0.120	15.677	-0.090	20.195	C.657	20.215	C.619	20.233	C.530	20.256	0.468
15.705	-0.094	15.721	-0.013	15.743	0.067	15.775	C.040	20.282	C.541	20.304	C.614	20.329	C.687	20.356	C.675
15.786	-0.033	15.807	-0.193	15.822	-0.317	15.840	-0.403	20.377	C.559	20.357	C.395	20.426	C.341	20.451	0.328
15.866	-0.407	15.893	-0.307	15.913	-0.202	15.927	-0.179	20.480	C.239	20.504	C.134	20.529	C.060	20.551	C.005
15.945	-0.238	15.959	-0.265	15.977	-0.180	15.997	-0.095	20.569	-0.058	20.583	-0.155	20.599	-0.275	20.610	-0.357
16.021	-0.088	16.036	-0.077	16.055	-0.189	16.070	-0.376	20.628	-0.462	20.652	-0.526	20.667	-0.747	20.693	-0.525
16.094	-0.457	16.119	-0.272	16.141	-0.090	16.162	-0.013	20.709	-0.506	20.731	-0.561	20.758	-0.584	20.786	-0.558
16.188	-0.033	16.208	-0.002	16.231	-0.173	16.253	-0.375	20.817	-0.505	20.847	-0.525	20.874	-0.494	20.904	-0.468
16.275	-0.437	16.302	-0.484	16.330	-0.523	16.357	-0.504	20.938	-0.529	20.962	-0.503	20.990	-0.494	21.012	-0.601
16.383	-0.439	16.412	-0.447	16.442	-0.370	16.468	-0.308	21.028	-0.711	21.037	-0.746	21.041	-0.747	21.052	-0.728
16.483	-0.146	16.500	-0.026	16.523	0.059	16.549	0.094	21.066	-0.610	21.083	-0.534	21.093	-0.508	21.112	-0.471
16.573	C.035	16.598	-0.023	16.628	-0.031	16.662	0.011	21.125	-0.444	21.136	-0.350	21.154	-0.305	21.164	-0.259
16.685	0.018	16.703	0.111	16.723	0.134	16.743	0.068	21.178	-0.228	21.190	-0.213	21.204	-0.241	21.220	-0.295
16.765	0.017	16.788	-0.049	16.819	-0.057	16.848	-0.003	21.235	-0.331	21.247	-0.308	21.258	-0.258	21.267	-0.196
16.872	-0.120	16.903	-0.136	16.927	-0.202	16.945	-0.210	21.284	-0.134	21.303	-0.099	21.318	-0.064	21.321	-0.025
16.969	-0.198	16.985	-0.253	17.009	-0.141	17.032	-0.036	21.333	0.006	21.342	-0.002	21.359	-0.006	21.374	C.002
17.059	-0.541	17.072	-0.223	17.088	-0.355	17.107	-0.475	21.389	-0.013	21.400	0.033	21.407	C.060	21.423	C.080
17.126	-0.102	17.154	-0.328	17.183	-0.224	17.208	-0.267	21.433	-0.084	21.445	0.072	21.451	C.041	21.457	-0.013
17.234	-0.337	17.260	-0.302	17.281	-0.310	17.302	-0.404	21.466	-0.040	21.476	-0.079	21.488	-0.094	21.507	-0.094
17.323	-0.450	17.342	-0.334	17.363	-0.273	17.393	-0.196	21.517	-0.067	21.532	-0.020	21.542	C.011	21.554	C.026
17.411	-0.079	17.422	-0.010	17.438	0.052	17.464	-0.030	21.560	0.015	21.571	0.003	21.582	0.011	21.586	C.030
17.466	-0.166	17.506	-0.259	17.526	-0.282	17.550	-0.155	21.598	C.127	21.606	C.209	21.616	0.279	21.625	C.318
17.575	-0.101	17.597	-0.132	17.625	-0.086	17.641	0.061	21.636	C.329	21.651	C.314	21.660	C.283	21.669	C.260
17.662	0.328	17.682	0.336	17.702	0.247	17.724	0.146	21.686	C.256	21.699	C.244	21.713	C.198	21.728	C.120
17.763	0.126	17.793	0.129	17.817	-0.014	17.834	-0.065	21.744	0.055	21.752	C.024	21.761	C.032	21.777	C.032
17.853	-0.112	17.877	-0.139	17.901	-0.008	17.916	0.112	21.791	0.043	21.803	0.035	21.809	C.012	21.833	-0.089
17.927	0.244	17.942	0.387	17.967	0.495	17.991	C.425	21.846	-0.178	21.859	-0.224	21.869	-0.236	21.884	-0.269
18.016	0.336	18.040	0.471	18.062	0.537	18.086	0.568	21.902	-0.143	21.927	-0.019	21.944	C.066	21.968	0.132
18.112	0.478	18.132	0.466	18.156	0.501	18.180	C.539	21.983	C.163	22.003	C.166	22.018	C.155	22.038	0.100
18.201	0.640	18.226	0.729	18.258	0.802	18.290	0.840	22.050	C.073	22.067	0.073	22.083	0.089	22.097	0.077
18.318	0.858	18.348	C.878	18.372	C.905	18.398	0.792	22.125	C.003	22.136	-0.020	22.148	-0.024	22.169	0.018
18.421	0.672	18.443	0.536	18.464	0.458	18.483	0.392	22.186	C.084	22.198	C.111	22.212	C.146	22.224	0.135
18.505	C.229	18.521	0.128	18.545	-0.008	18.561	-0.137	22.238	0.115	22.250	C.107	22.267	C.130	22.279	C.150
18.584	-0.191	18.582	-0.257	18.593	-0.273	18.608	-0.203	22.295	C.134	22.311	0.149	22.331	C.238	22.346	C.323
18.626	-0.095	18.646	0.037	18.670	0.063	18.685	0.040	22.357	C.362	22.369	C.370	22.383	C.358	22.401	C.327
18.697	0.001	18.714	-0.057	18.731	-0.104	18.748	-0.089	22.412	C.257	22.432	C.117	22.440	0.024	22.450	-0.027
18.762	-0.035	18.777	0.004	18.798	0.003	18.816	-0.063	22.460	-0.038	22.503	-0.047	22.518	-0.043	22.532	-0.062
18.830	-0.117	18.849	-0.152	18.867	-0.114	18.882	-0.153	22.547	-0.125	22.558	-0.187	22.574	-0.214	22.601	-0.210
18.896	-0.219	18.914	-0.246	18.936	-0.270	18.956	-0.305	22.616	-0.211	22.633	-0.188	22.648	-0.188	22.660	-0.219
18.966	-0.325	18.980	-0.398	18.995	-0.495	19.012	-0.565	22.674	-0.258	22.688	-0.297	22.701	-0.371	22.712	-0.429
19.027	-0.546	19.045	-0.488	19.060	-0.450	19.080	-0.462	22.725	-0.437	22.732	-0.417	22.749	-0.336	22.766	-0.193
19.096	-0.485	19.111	-0.536	19.132	-0.629	19.145	-0.687	22.782	-0.420	22.786	-0.054	22.806	-0.004	22.821	-0.008
19.165	-0.742	19.184	-0.688	19.201	-0.555	19.212	-0.529	22.842	-0.039	22.857	-0.054	22.885	-0.024	22.908	-0.008
19.226	-0.417	19.237	-0.321	19.260	-0.201	19.278	-0.259	22.920	C.022	22.929	C.052	22.946	C.024	22.967	0.313
19.300	-0.321	19.328	-0.298	19.350	-0.266	19.371	-0.341	22.985	C.398	22.995	C.448	23.011	C.452	23.024	C.432
19.382	-0.403	19.414	-0.461	19.435	-0.512	19.461	-0.485	23.034	C.390	23.052	C.378	23.067	0.393	23.093	0.432
19.482	-0.438	19.495	-0.368	19.513	-0.275	19.526	-0.159	23.111	C.447	23.123	C.431	23.140	C.392	23.153	C.381



23.168	0.408	23.183	0.435	23.191	0.442	23.209	0.411	27.859	-0.017	27.875	-0.021	27.897	0.017	27.921	C.009
23.235	0.318	23.259	0.256	23.275	0.178	23.305	0.077	27.951	-0.053	27.966	-0.076	27.982	-0.057	28.012	C.028
23.322	0.031	23.336	0.007	23.352	0.031	23.365	0.054	28.040	C.090	28.057	C.132	28.075	C.167	28.105	C.163
23.377	0.054	23.397	0.038	23.417	0.027	23.438	0.066	28.135	0.201	28.147	0.224	28.160	0.217	28.183	C.131
23.463	0.069	23.478	0.058	23.492	0.023	23.507	0.058	28.204	C.123	28.225	C.123	28.253	C.154	28.288	C.169
23.521	-0.113	23.551	-0.155	23.571	-0.190	23.598	-0.276	28.325	0.188	28.349	0.161	28.373	0.145	28.391	C.161
23.613	-0.330	23.628	-0.338	23.662	-0.341	23.676	-0.330	28.419	0.223	28.436	0.265	28.448	0.288	28.478	C.311
23.687	-0.299	23.705	-0.237	23.713	-0.210	23.726	-0.202	28.507	0.292	28.539	C.299	28.571	C.299	28.591	C.284
23.746	-0.233	23.764	-0.260	23.776	-0.225	23.810	-0.070	28.623	0.202	28.635	0.167	28.653	0.144	28.675	C.132
23.823	-0.027	23.842	-0.012	23.864	-0.000	23.883	0.046	28.709	C.186	28.729	0.186	28.747	0.201	28.762	C.166
23.902	0.081	23.914	0.058	23.937	0.008	23.960	0.109	28.788	0.073	28.825	-0.043	28.865	-0.129	28.892	-0.168
23.985	-0.152	24.011	-0.225	24.047	-0.287	24.066	-0.314	28.925	-0.157	28.969	-0.208	29.045	-0.208	29.045	-0.255
24.082	-0.299	24.093	-0.260	24.105	-0.225	24.118	-0.229	29.083	-0.236	29.131	-0.217	29.157	-0.178	29.181	-0.159
24.140	-0.299	24.164	-0.353	24.180	-0.403	24.188	-0.411	29.202	-0.179	29.238	-0.152	29.270	-0.180	29.304	-0.230
24.202	-0.376	24.218	-0.256	24.236	-0.194	24.253	-0.132	29.348	-0.223	29.372	-0.216	29.399	-0.143	29.415	-0.104
24.214	-0.117	24.236	-0.094	24.324	-0.078	24.338	-0.063	29.518	-0.089	29.546	-0.040	29.566	-0.087	29.585	-0.126
24.361	0.022	24.383	0.092	24.397	C.150	24.412	0.192	29.607	-0.123	29.621	-0.092	29.649	-0.019	29.668	0.047
24.429	0.196	24.438	0.169	24.457	0.099	24.480	0.052	29.713	0.093	29.777	C.068	29.870	C.036	29.922	-0.030
24.502	0.013	24.520	0.009	24.544	0.032	24.563	0.083	29.964	-0.062	29.989	-0.055	30.012	-0.016	30.046	-0.040
24.577	0.137	24.587	0.168	24.597	0.164	24.617	0.121	30.066	-0.058	30.076	-0.051	30.100	-0.161	30.118	-0.118
24.634	0.047	24.651	-0.003	24.679	-0.019	24.700	-0.031	30.138	-0.057	30.166	-0.045	30.158	-0.123	30.215	-0.186
24.715	-0.058	24.739	-0.019	24.759	0.027	24.774	0.046	30.228	-0.157	30.256	-0.128	30.277	-0.089	30.301	-0.125
24.755	0.015	24.809	0.015	24.844	0.049	24.862	0.103	30.322	-0.125	30.353	-0.130	30.372	-0.145	30.386	-0.134
24.813	0.126	24.886	0.119	24.907	0.230	24.920	0.052	30.404	-0.084	30.426	-0.042	30.442	-0.046	30.469	-0.112
24.937	0.075	24.952	0.126	24.979	0.230	24.998	0.284	30.485	-0.140	30.512	-0.140	30.535	-0.160	30.556	-0.207
25.027	0.314	25.054	0.334	25.080	0.326	25.106	0.294	30.574	-0.226	30.599	-0.204	30.626	-0.227	30.641	-0.228
25.138	0.263	25.167	0.185	25.181	0.154	25.192	0.154	30.662	-0.240	30.686	-0.209	30.708	-0.154	30.727	-0.148
25.209	0.196	25.223	0.239	25.237	0.258	25.253	0.238	30.777	-0.133	30.806	-0.103	30.821	-0.103	30.832	-0.072
25.268	0.192	25.299	0.025	25.312	-0.045	25.326	-0.088	30.847	-0.072	30.859	-0.104	30.887	-0.119	30.882	-0.096
25.352	-0.116	25.392	-0.131	25.427	-0.167	25.456	-0.144	30.928	0.015	30.950	C.061	30.974	C.049	30.958	0.056
25.486	-0.063	25.494	-0.040	25.508	-0.028	25.539	-0.060	31.011	C.060	31.034	0.021	31.061	C.001	31.080	0.004
25.565	-0.083	25.584	-0.072	25.595	-0.021	25.605	0.017	31.099	-0.016	31.117	C.063	31.133	0.057	31.149	0.088
25.619	0.048	25.649	0.044	25.679	0.003	25.697	-0.023	31.167	C.080	31.187	C.083	31.204	0.044	31.222	0.021
25.714	0.015	25.735	0.016	25.758	0.043	25.803	0.023	31.239	0.032	31.257	C.012	31.278	C.051	31.291	C.066
25.820	0.023	25.839	-0.001	25.860	-0.001	25.878	-0.017	31.309	0.058	31.330	0.081	31.348	0.089	31.380	C.054
25.901	-0.091	25.914	-0.149	25.946	-0.231	25.965	-0.250	31.428	-0.063	31.474	-0.055	31.501	-0.076	31.515	-0.086
25.980	-0.227	26.013	-0.161	26.051	-0.119	26.075	-0.100	31.539	-0.073	31.559	-0.066	31.574	-0.054	31.597	C.003
26.095	-0.077	26.114	-0.073	26.130	-0.105	26.149	-0.182	31.606	0.022	31.616	0.049	31.648	C.087	31.663	C.106
26.158	-0.217	26.168	-0.237	26.180	-0.202	26.212	-0.028	31.689	0.083	31.716	0.078	31.727	0.059	31.738	0.043
26.230	0.030	26.250	0.073	26.269	0.061	26.296	0.041	31.766	0.047	31.785	0.035	31.804	C.001	31.816	-0.015
26.311	0.018	26.327	0.018	26.349	0.072	26.367	0.114	31.836	C.008	31.853	C.008	31.871	C.000	31.887	0.016
26.399	0.103	26.423	0.064	26.450	0.071	26.469	0.048	31.894	C.004	31.941	-0.054	31.980	-0.116	31.993	-0.147
26.464	-0.003	26.502	-0.072	26.528	-0.088	26.547	-0.139	32.019	-0.139	32.043	-0.139	32.059	-0.112	32.074	-0.085
26.561	-0.158	26.579	-0.119	26.593	-0.108	26.647	-0.189	32.102	-0.139	32.122	-0.035	32.145	-0.066	32.163	-0.097
26.686	-0.256	26.713	-0.256	26.750	-0.233	26.771	-0.202	32.204	-0.093	32.231	-0.105	32.245	-0.105	32.276	-0.062
26.792	-0.183	26.822	-0.221	26.841	-0.253	26.861	-0.237	32.297	-0.055	32.311	-0.039	32.325	-0.032	32.341	-0.039
26.904	-0.164	26.952	-0.144	26.987	-0.137	27.011	-0.180	32.353	-0.051	32.405	-0.055	32.447	C.026	32.478	-0.033
27.033	-0.218	27.055	-0.218	27.083	-0.145	27.128	-0.002	32.498	C.057	32.511	0.080	32.523	0.072	32.536	C.052
27.143	0.049	27.161	0.056	27.202	0.014	27.228	-0.021	32.557	C.033	32.555	C.033	32.621	C.002	32.656	C.001
27.244	-0.079	27.263	-0.022	27.301	0.048	27.322	0.087	32.685	0.021	32.705	C.024	32.732	C.024	32.753	0.047
27.367	0.079	27.396	0.075	27.413	0.059	27.429	0.001	32.787	0.039	32.809	C.043	32.835	0.058	32.856	C.047
27.446	-0.061	27.460	-0.096	27.491	-0.053	27.508	-0.077	32.879	C.066	32.891	C.062	32.935	0.019	32.953	-0.012
27.527	-0.042	27.547	0.008	27.576	0.008	27.591	0.039	32.879	C.066	32.891	C.062	32.935	0.019	32.953	-0.012
27.608	0.077	27.630	0.104	27.659	0.089	27.683	0.026	32.957	0.011	33.016	0.018	33.034	C.034	33.066	C.088
27.707	-0.024	27.717	-0.051	27.731	-0.067	27.750	-0.032	33.089	0.111	33.104	0.122	33.117	C.103	33.159	-0.033
27.776	C.049	27.792	0.076	27.820	0.087	27.844	0.025	33.175	-0.076	33.166	-0.052	33.202	-0.076	33.214	-0.045



33.223	-0.030	33.238	-0.034	33.253	-0.065	33.273	-0.057	37.695	0.013	37.712	0.020	37.760	-0.019	37.802	-0.077
33.256	-0.069	33.316	-0.050	33.333	-0.054	33.356	-0.081	37.856	-0.085	37.880	-0.101	37.905	-0.144	37.938	-0.136
33.373	-0.089	33.396	-0.128	33.413	-0.116	33.423	-0.124	37.965	-0.160	37.991	-0.152	38.014	-0.114	38.028	-0.114
33.465	-0.206	33.485	-0.241	33.503	-0.222	33.515	-0.206	38.050	-0.122	38.074	-0.122	38.095	-0.137	38.110	-0.172
33.532	-0.218	33.550	-0.245	33.564	-0.249	33.587	-0.222	38.138	-0.149	38.178	-0.181	38.198	-0.154	38.216	-0.146
33.607	-0.207	33.622	-0.207	33.639	-0.203	33.666	-0.110	38.240	-0.162	38.283	-0.158	38.299	-0.158	38.299	-0.139
33.677	-0.079	33.687	-0.056	33.700	-0.064	33.720	-0.107	38.309	-0.108	38.334	-0.108	38.355	-0.097	38.377	-0.066
33.760	-0.200	33.784	-0.262	33.798	-0.312	33.823	-0.320	38.404	-0.066	38.431	-0.109	38.448	-0.155	38.465	-0.214
33.858	-0.320	33.879	-0.301	33.895	-0.274	33.908	-0.208	38.480	-0.260	38.494	-0.249	38.512	-0.214	38.536	-0.164
33.937	-0.173	33.972	-0.080	33.987	-0.065	33.999	-0.072	38.554	-0.125	38.589	-0.102	38.603	-0.059	38.628	-0.013
34.041	-0.138	34.058	-0.173	34.065	-0.162	34.085	-0.104	38.663	0.002	38.697	-0.060	38.733	-0.091	38.762	-0.103
34.113	-0.005	34.129	0.028	34.140	0.055	34.157	0.028	38.795	-0.084	38.830	-0.037	38.872	-0.022	38.905	-0.065
34.203	-0.073	34.219	-0.112	34.232	-0.119	34.251	-0.077	38.950	-0.034	39.039	0.001	39.085	0.016	39.118	0.040
34.263	-0.061	34.287	-0.058	34.308	-0.034	34.325	-0.011	39.170	-0.015	39.203	-0.061	39.242	-0.069	39.266	-0.104
34.339	0.020	34.361	-0.011	34.389	-0.003	34.402	0.015	39.309	-0.019	39.345	-0.015	39.369	0.009	39.405	0.016
34.422	-0.120	34.436	-0.166	34.451	-0.139	34.466	-0.050	39.446	-0.038	39.465	-0.041	39.523	-0.041	39.544	-0.072
34.480	0.035	34.512	0.109	34.527	0.171	34.543	0.198	39.565	-0.115	39.584	-0.103	39.607	-0.080	39.627	-0.080
34.556	0.167	34.597	0.101	34.626	0.035	34.646	-0.015	39.651	-0.091	39.677	-0.056	39.704	-0.037	39.727	-0.052
34.670	-0.023	34.696	-0.007	34.720	0.016	34.767	0.035	39.752	-0.025	39.766	-0.006	39.791	-0.052	39.816	-0.075
34.799	0.055	34.818	0.082	34.842	0.070	34.865	0.024	39.852	-0.019	39.894	-0.015	39.910	-0.091	39.926	-0.133
34.863	0.004	34.901	0.024	34.911	0.039	34.926	0.004	39.941	-0.172	39.954	-0.204	39.975	-0.188	39.990	-0.105
34.944	-0.034	34.957	-0.034	34.973	-0.003	34.997	0.043	40.008	-0.131	40.037	-0.116	40.057	-0.104	40.085	-0.105
35.012	0.074	35.026	0.082	35.060	0.024	35.078	-0.007	40.101	-0.140	40.110	-0.149	40.127	-0.138	40.158	-0.026
35.090	-0.003	35.104	0.012	35.121	0.024	35.155	0.024	40.167	-0.007	40.158	0.062	40.221	-0.073	40.244	0.038
35.182	0.051	35.203	0.082	35.214	0.054	35.230	0.078	40.271	-0.065	40.254	0.002	40.314	0.021		
35.255	0.028	35.272	-0.011	35.293	-0.001	35.314	0.028								
35.334	0.024	35.355	-0.011	35.364	-0.027	35.381	0.000								
35.398	0.028	35.413	0.031	35.461	-0.035	35.490	-0.062								
35.517	-0.058	35.557	-0.128	35.594	-0.225	35.610	-0.267								
35.623	-0.256	35.637	-0.213	35.655	-0.159	35.682	-0.128								
35.701	-0.120	35.715	-0.074	35.731	-0.020	35.746	0.011								
35.765	0.007	35.780	-0.051	35.813	-0.233	35.829	-0.319								
35.841	-0.354	35.854	-0.354	35.867	-0.334	35.884	-0.273								
35.918	-0.215	35.950	-0.107	35.963	-0.056	35.981	-0.057								
35.990	-0.115	36.013	-0.189	36.030	-0.231	36.046	-0.255								
36.066	-0.228	36.084	-0.143	36.094	-0.108	36.106	-0.108								
36.121	-0.147	36.147	-0.240	36.158	-0.271	36.167	-0.252								
36.200	-0.057	36.208	-0.051	36.217	-0.047	36.235	-0.055								
36.256	-0.110	36.278	-0.114	36.300	-0.137	36.321	-0.122								
36.345	-0.134	36.374	-0.111	36.386	-0.103	36.406	-0.119								
36.429	-0.189	36.444	-0.236	36.455	-0.217	36.477	-0.140								
36.504	-0.078	36.533	-0.043	36.562	0.026	36.584	0.049								
36.602	0.018	36.628	-0.068	36.641	-0.103	36.655	-0.076								
36.676	0.028	36.691	0.090	36.710	0.121	36.723	0.117								
36.733	0.093	36.777	-0.031	36.792	-0.062	36.807	-0.043								
36.832	0.015	36.858	0.042	36.885	0.038	36.896	0.030								
36.911	0.057	36.933	0.119	36.952	0.146	36.975	0.142								
36.999	0.165	37.011	0.172	37.031	0.118	37.050	0.063								
37.079	0.052	37.103	0.001	37.117	-0.011	37.132	0.009								
37.149	0.043	37.163	0.070	37.176	0.055	37.197	0.020								
37.211	0.000	37.228	0.019	37.250	0.085	37.259	0.124								
37.274	0.135	37.286	0.112	37.308	0.027	37.318	-0.012								
37.332	-0.028	37.351	-0.012	37.372	0.030	37.389	0.077								
37.404	0.088	37.426	0.088	37.443	0.049	37.466	-0.001								
37.484	-0.017	37.505	-0.002	37.522	0.025	37.547	0.021								
37.571	-0.018	37.592	-0.060	37.615	-0.064	37.665	-0.026								



IH 115

71.024 2/9/71 0600PST L.A. 15250 VENTURA BLVD. BASEMENT N79W

4385 POINTS 40.262 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 0.3116 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.095	0.005	-0.116	0.014	-0.125	0.023	-0.137	1.199	0.007	1.207	-0.010	1.212	-0.031	1.219	-0.036	1.226	-0.044
0.031	-0.129	0.038	-0.120	0.044	-0.112	0.051	-0.116	1.226	-0.044	1.235	-0.052	1.240	-0.069	1.246	-0.099	1.252	-0.120
0.060	-0.133	0.067	-0.141	0.078	-0.116	0.085	-0.103	1.252	-0.120	1.256	-0.129	1.266	-0.091	1.276	-0.069	1.278	-0.078
0.095	-0.086	0.101	-0.103	0.109	-0.128	0.113	-0.133	1.278	-0.078	1.287	-0.099	1.291	-0.120	1.297	-0.137	1.303	-0.116
0.123	-0.103	0.132	-0.090	0.141	-0.085	0.148	-0.056	1.303	-0.116	1.314	-0.086	1.321	-0.086	1.330	-0.065	1.337	-0.065
0.153	-0.060	0.159	-0.073	0.166	-0.069	0.172	-0.052	1.337	-0.065	1.343	-0.069	1.351	-0.086	1.355	-0.120	1.359	-0.133
0.175	-0.031	0.182	-0.009	0.188	-0.001	0.195	-0.012	1.359	-0.133	1.367	-0.116	1.373	-0.094	1.379	-0.065	1.390	-0.060
0.209	-0.039	0.215	-0.047	0.223	-0.077	0.231	-0.167	1.390	-0.060	1.396	-0.048	1.406	-0.039	1.406	-0.018	1.412	-0.005
0.241	-0.094	0.247	-0.073	0.260	-0.073	0.269	-0.064	1.412	-0.005	1.417	0.016	1.419	0.025	1.423	0.033	1.426	0.050
0.281	-0.064	0.288	-0.039	0.293	-0.030	0.305	-0.039	1.426	0.050	1.432	0.063	1.438	0.071	1.441	0.071	1.450	0.050
0.314	-0.056	0.324	-0.081	0.333	-0.089	0.341	-0.094	1.450	0.050	1.455	0.043	1.457	0.012	1.459	0.008	1.462	0.025
0.349	-0.123	0.352	-0.132	0.358	-0.153	0.368	-0.132	1.462	0.025	1.470	0.046	1.475	0.071	1.480	0.105	1.483	0.135
0.378	-0.136	0.387	-0.132	0.393	-0.106	0.399	-0.081	1.483	0.135	1.490	0.127	1.495	0.118	1.503	0.114	1.509	0.122
0.402	-0.068	0.408	-0.064	0.415	-0.072	0.423	-0.085	1.509	0.122	1.515	0.118	1.521	0.106	1.524	0.076	1.530	0.021
0.430	-0.072	0.437	-0.055	0.442	-0.047	0.445	-0.034	1.530	0.021	1.532	-0.030	1.538	-0.068	1.543	-0.128	1.550	0.149
0.452	-0.047	0.458	-0.072	0.464	-0.081	0.474	-0.097	1.550	0.149	1.555	-0.183	1.565	-0.217	1.572	-0.225	1.584	-0.234
0.482	-0.055	0.492	-0.051	0.501	-0.017	0.508	-0.004	1.584	-0.234	1.589	-0.238	1.599	-0.251	1.611	-0.238	1.617	-0.221
0.516	-0.029	0.522	-0.046	0.526	-0.055	0.534	-0.021	1.617	-0.221	1.628	-0.229	1.635	-0.238	1.640	-0.234	1.649	-0.170
0.543	0.000	0.551	0.009	0.553	0.013	0.561	-0.021	1.649	-0.170	1.657	-0.009	1.660	-0.064	1.663	-0.060	1.670	0.017
0.569	-0.050	0.572	-0.072	0.577	-0.110	0.583	-0.140	1.670	0.017	1.677	-0.034	1.687	-0.034	1.693	-0.013	1.698	0.013
0.589	-0.152	0.598	-0.135	0.604	-0.123	0.613	-0.144	1.698	0.013	1.710	0.030	1.717	0.038	1.725	0.017	1.731	-0.021
0.620	-0.161	0.625	-0.173	0.634	-0.186	0.641	-0.148	1.731	-0.021	1.735	-0.021	1.748	-0.008	1.754	-0.017	1.764	-0.051
0.648	-0.122	0.654	-0.105	0.665	-0.080	0.675	-0.088	1.764	-0.051	1.775	-0.063	1.775	-0.085	1.782	-0.085	1.790	-0.063
0.683	-0.101	0.692	-0.097	0.701	-0.071	0.708	-0.054	1.790	-0.063	1.799	-0.038	1.807	-0.038	1.819	-0.031	1.828	-0.072
0.714	-0.054	0.720	-0.063	0.726	-0.071	0.731	-0.088	1.828	-0.072	1.832	-0.063	1.840	-0.017	1.849	-0.034	1.853	0.043
0.737	-0.097	0.747	-0.088	0.753	-0.050	0.759	-0.024	1.853	0.043	1.861	0.094	1.868	0.111	1.873	0.119	1.880	0.145
0.762	-0.003	0.768	-0.003	0.772	-0.024	0.776	-0.046	1.880	0.145	1.886	0.162	1.892	0.166	1.898	0.141	1.903	0.120
0.783	-0.067	0.789	-0.071	0.800	-0.058	0.812	-0.050	1.903	0.120	1.906	0.094	1.911	0.056	1.917	0.026	1.922	0.012
0.821	-0.045	0.830	-0.033	0.836	-0.016	0.844	-0.001	1.922	0.012	1.924	-0.067	1.934	-0.127	1.947	-0.139	1.953	-0.165
0.853	-0.016	0.862	-0.037	0.872	-0.058	0.881	-0.083	1.953	-0.165	1.959	-0.211	1.961	-0.228	1.967	-0.245	1.973	-0.241
0.886	-0.100	0.894	-0.126	0.901	-0.147	0.906	-0.164	1.973	-0.241	1.985	-0.203	1.992	-0.173	2.000	-0.169	2.007	-0.177
0.912	-0.185	0.918	-0.202	0.927	-0.168	0.937	-0.138	2.007	-0.177	2.010	-0.182	2.018	-0.148	2.025	-0.101	2.033	-0.046
0.945	-0.130	0.951	-0.121	0.957	-0.113	0.965	-0.087	2.033	-0.046	2.040	-0.033	2.052	-0.037	2.063	-0.045	2.072	0.018
0.971	-0.070	0.978	-0.041	0.985	-0.011	0.990	-0.002	2.072	0.018	2.078	0.078	2.081	0.154	2.087	0.192	2.092	0.218
1.001	0.006	1.007	0.006	1.019	-0.002	1.030	-0.002	2.092	0.218	2.098	0.235	2.110	0.214	2.119	0.198	2.126	0.137
1.041	-0.011	1.051	-0.028	1.058	-0.023	1.064	-0.040	2.126	0.137	2.133	0.099	2.143	0.044	2.149	-0.037	2.155	-0.071
1.072	-0.070	1.078	-0.104	1.084	-0.125	1.088	-0.138	2.155	-0.071	2.158	-0.096	2.168	-0.117	2.180	-0.117	2.190	-0.143
1.093	-0.163	1.097	-0.168	1.108	-0.142	1.119	-0.129	2.190	-0.143	2.197	-0.181	2.200	-0.202	2.206	-0.228	2.213	-0.194
1.131	-0.121	1.140	-0.100	1.151	-0.095	1.162	-0.099	2.213	-0.194	2.223	-0.168	2.229	-0.168	2.242	-0.155	2.253	-0.168
1.172	-0.078	1.181	-0.053	1.187	-0.031	1.193	-0.010	2.253	-0.168	2.255	-0.164	2.262	-0.134	2.270	-0.100		



2.276	-0.074	2.282	-0.070	2.289	-0.096	2.295	-0.108	3.839	-0.099	3.844	-0.146	3.848	-0.192	3.853	-0.214
2.297	-0.121	2.306	-0.113	2.315	-0.087	2.322	-0.079	3.858	-0.256	3.864	-0.294	3.867	-0.311	3.879	-0.264
2.328	-0.074	2.336	-0.096	2.341	-0.104	2.346	-0.117	3.885	-0.222	3.891	-0.141	3.894	-0.124	3.900	-0.090
2.353	-0.129	2.364	-0.091	2.373	-0.066	2.382	-0.044	3.907	-0.061	3.915	-0.039	3.920	-0.005	3.924	-0.024
2.392	-0.023	2.399	-0.023	2.407	-0.023	2.413	-0.036	3.925	0.037	3.929	0.067	3.935	0.088	3.943	0.092
2.422	-0.061	2.427	-0.091	2.432	-0.121	2.438	-0.142	3.950	0.092	3.955	0.097	3.968	0.105	3.975	0.122
2.443	-0.133	2.446	-0.129	2.453	-0.091	2.459	-0.074	3.981	0.118	3.989	0.101	3.994	0.080	4.001	-0.009
2.464	-0.048	2.472	-0.031	2.478	-0.023	2.488	-0.048	4.008	-0.077	4.014	-0.179	4.020	-0.243	4.025	-0.281
2.494	-0.057	2.502	-0.074	2.505	-0.082	2.515	-0.065	4.030	-0.323	4.037	-0.357	4.039	-0.366	4.052	-0.315
2.524	-0.048	2.530	-0.044	2.535	-0.023	2.543	0.028	4.060	-0.230	4.071	-0.115	4.077	-0.039	4.086	0.076
2.550	0.096	2.559	0.147	2.566	0.177	2.572	0.194	4.091	0.174	4.097	0.263	4.104	0.356	4.107	0.458
2.586	0.173	2.598	0.130	2.608	0.096	2.614	0.062	4.114	0.526	4.124	0.552	4.133	0.577	4.136	0.573
2.621	0.020	2.626	-0.014	2.629	-0.044	2.633	-0.086	4.145	0.556	4.154	0.518	4.157	0.513	4.167	0.505
2.637	-0.112	2.641	-0.141	2.645	-0.167	2.653	-0.158	4.178	0.484	4.186	0.441	4.191	0.373	4.197	0.314
2.664	-0.133	2.672	-0.111	2.676	-0.094	2.686	-0.073	4.200	0.293	4.203	0.182	4.207	0.131	4.212	0.093
2.691	-0.048	2.699	-0.018	2.707	0.008	2.710	0.003	4.218	0.051	4.223	-0.034	4.228	-0.093	4.232	-0.204
2.715	-0.009	2.722	-0.026	2.728	-0.060	2.734	-0.077	4.237	-0.259	4.242	-0.276	4.250	-0.250	4.257	-0.195
2.743	-0.081	2.752	-0.073	2.752	-0.039	2.758	-0.022	4.265	-0.127	4.268	-0.068	4.274	-0.025	4.282	-0.017
2.764	0.004	2.770	-0.039	2.773	-0.056	2.778	-0.090	4.291	0.021	4.299	0.060	4.305	0.072	4.311	0.089
2.784	-0.124	2.799	-0.166	2.807	-0.166	2.819	-0.175	4.313	0.098	4.320	0.030	4.328	-0.055	4.336	-0.153
2.828	-0.179	2.836	-0.192	2.846	-0.196	2.857	-0.149	4.340	-0.250	4.346	-0.288	4.358	-0.365	4.363	-0.445
2.863	-0.162	2.870	-0.166	2.876	-0.183	2.884	-0.204	4.366	-0.501	4.372	-0.556	4.373	-0.568	4.381	-0.602
2.893	-0.149	2.902	-0.098	2.907	-0.043	2.916	0.004	4.384	-0.611	4.391	-0.560	4.401	-0.505	4.410	-0.432
2.927	0.055	2.933	0.068	2.940	0.123	2.947	0.161	4.419	-0.343	4.424	-0.280	4.436	-0.241	4.447	-0.195
2.953	0.225	2.958	0.284	2.963	0.327	2.973	0.340	4.450	-0.122	4.455	-0.009	4.459	0.081	4.462	0.141
2.984	0.327	2.999	0.285	3.003	0.238	3.008	0.191	4.465	0.230	4.470	0.277	4.476	0.353	4.480	0.396
3.013	0.149	3.020	0.089	3.023	0.038	3.028	-0.017	4.485	0.434	4.494	0.421	4.503	0.341	4.515	0.247
3.032	-0.063	3.039	-0.119	3.045	-0.144	3.058	-0.174	4.520	0.188	4.526	0.128	4.533	0.043	4.537	0.009
3.061	-0.178	3.069	-0.203	3.075	-0.212	3.083	-0.199	4.543	-0.092	4.546	-0.097	4.554	-0.139	4.558	-0.173
3.095	-0.165	3.107	-0.144	3.115	-0.123	3.126	-0.084	4.563	-0.232	4.570	-0.258	4.576	-0.300	4.579	-0.300
3.136	-0.076	3.137	-0.076	3.148	-0.097	3.152	-0.087	4.588	-0.224	4.595	-0.130	4.599	-0.033	4.605	-0.031
3.154	-0.139	3.159	-0.156	3.165	-0.173	3.174	-0.144	4.610	0.112	4.616	0.180	4.623	0.264	4.631	0.379
3.183	-0.084	3.193	-0.050	3.199	-0.025	3.209	-0.008	4.634	0.460	4.640	0.541	4.650	0.575	4.659	0.621
3.222	-0.016	3.228	-0.033	3.231	-0.029	3.243	-0.012	4.668	0.647	4.676	0.664	4.681	0.660	4.687	0.647
3.251	-0.012	3.263	-0.018	3.273	0.014	3.279	0.014	4.695	0.613	4.702	0.536	4.709	0.456	4.715	0.367
3.288	0.014	3.298	-0.007	3.305	-0.037	3.313	-0.037	4.720	0.239	4.724	0.112	4.730	-0.054	4.739	-0.228
3.319	-0.050	3.320	-0.071	3.326	-0.092	3.329	-0.109	4.744	-0.372	4.752	-0.546	4.756	-0.631	4.762	-0.712
3.333	-0.122	3.343	-0.105	3.352	-0.105	3.358	-0.105	4.771	-0.818	4.779	-0.864	4.785	-0.881	4.797	-0.801
3.366	-0.122	3.368	-0.126	3.377	-0.109	3.385	-0.088	4.810	-0.639	4.821	-0.537	4.828	-0.508	4.837	-0.363
3.390	-0.088	3.397	-0.109	3.405	-0.105	3.413	-0.109	4.844	-0.338	4.851	-0.287	4.859	-0.261	4.862	-0.253
3.421	-0.126	3.425	-0.143	3.432	-0.164	3.436	-0.185	4.865	-0.253	4.872	-0.313	4.878	-0.473	4.881	-0.495
3.440	-0.189	3.448	-0.198	3.455	-0.181	3.465	-0.172	4.888	-0.605	4.892	-0.677	4.903	-0.720	4.912	-0.609
3.474	-0.177	3.480	-0.172	3.486	-0.138	3.494	-0.066	4.920	-0.507	4.924	-0.371	4.930	-0.223	4.936	-0.027
3.498	-0.019	3.500	-0.011	3.508	0.006	3.509	0.010	4.944	0.096	4.951	0.232	4.957	0.355	4.967	0.431
3.515	-0.019	3.521	-0.036	3.525	-0.070	3.528	-0.104	4.974	0.503	4.980	0.546	4.988	0.580	4.997	0.546
3.530	-0.134	3.532	-0.147	3.537	-0.164	3.544	-0.142	5.004	0.495	5.009	0.461	5.012	0.436	5.020	0.389
3.550	-0.104	3.557	-0.091	3.564	-0.062	3.573	-0.036	5.021	0.393	5.028	0.385	5.039	0.431	5.046	0.415
3.575	-0.028	3.581	0.066	3.587	0.159	3.596	0.270	5.052	0.398	5.058	0.402	5.066	0.393	5.079	0.436
3.602	0.274	3.609	0.253	3.616	0.227	3.626	0.189	5.080	0.432	5.087	0.393	5.093	0.368	5.097	0.304
3.635	0.168	3.648	0.142	3.648	0.125	3.654	0.062	5.106	0.270	5.114	0.287	5.121	0.317	5.134	0.245
3.660	0.019	3.667	-0.002	3.673	-0.027	3.684	-0.015	5.141	0.147	5.149	0.012	5.157	-0.090	5.162	-0.222
3.691	-0.015	3.700	-0.044	3.709	-0.116	3.713	-0.142	5.171	-0.362	5.176	-0.523	5.182	-0.638	5.188	-0.702
3.715	-0.146	3.727	-0.125	3.736	-0.091	3.744	-0.061	5.192	-0.663	5.201	-0.557	5.210	-0.409	5.216	-0.273
3.751	-0.019	3.768	0.032	3.768	0.054	3.772	0.049	5.224	-0.069	5.230	0.067	5.238	0.169	5.243	0.284
3.783	0.028	3.788	0.007	3.796	-0.018	3.805	-0.027	5.250	0.377	5.254	0.411	5.259	0.424	5.267	0.398
3.811	-0.040	3.819	-0.069	3.831	-0.074	3.835	-0.082	5.272	0.335	5.276	0.241	5.283	0.148	5.289	0.084



5.294	-0.022	5.300	-0.098	5.306	-0.179	5.314	-0.268	6.713	-0.314	6.722	-0.348	6.729	-0.365	6.733	-0.365
5.323	-0.328	5.328	-0.353	5.329	-0.370	5.340	-0.340	6.741	-0.340	6.749	-0.289	6.757	-0.234	6.761	-0.161
5.347	-0.289	5.355	-0.238	5.356	-0.217	5.365	-0.124	6.763	-0.119	6.773	-0.009	6.777	0.055	6.783	0.102
5.371	-0.000	5.377	0.118	5.383	0.208	5.389	0.284	6.792	0.149	6.799	0.161	6.799	0.178	6.806	0.221
5.396	0.327	5.400	0.327	5.406	0.250	5.410	0.165	6.814	0.276	6.823	0.297	6.828	0.259	6.836	0.221
5.418	0.025	5.425	-0.072	5.431	-0.115	5.439	-0.145	6.838	0.204	6.841	0.195	6.846	0.153	6.853	0.106
5.439	-0.145	5.451	-0.077	5.457	-0.000	5.464	0.068	6.862	0.077	6.872	0.051	6.879	0.013	6.880	0.000
5.472	0.089	5.481	0.106	5.482	0.115	5.492	0.157	6.886	-0.063	6.889	0.119	6.892	-0.161	6.895	-0.165
5.499	0.208	5.505	0.233	5.506	0.233	5.514	0.149	6.901	-0.203	6.903	-0.208	6.911	-0.174	6.925	-0.135
5.520	0.051	5.526	-0.047	5.534	-0.123	5.541	-0.153	6.927	-0.131	6.934	-0.076	6.946	0.009	6.955	0.056
5.544	-0.153	5.560	-0.165	5.573	-0.170	5.582	-0.140	6.962	0.128	6.966	0.153	6.973	0.170	6.979	0.115
5.593	-0.097	5.603	-0.059	5.606	-0.072	5.610	-0.136	6.991	0.018	6.992	-0.067	6.997	0.178	7.003	-0.271
5.614	-0.259	5.620	-0.373	5.624	-0.488	5.627	-0.607	7.011	-0.373	7.017	-0.466	7.024	-0.509	7.024	-0.526
5.633	-0.734	5.639	-0.891	5.646	-1.023	5.653	-1.142	7.032	-0.513	7.039	-0.453	7.051	-0.330	7.057	-0.245
5.660	-1.205	5.664	-1.222	5.675	-1.133	5.685	-1.023	7.066	-0.148	7.074	-0.092	7.079	-0.012	7.089	0.107
5.696	-0.887	5.707	-0.717	5.714	-0.556	5.725	-0.373	7.093	0.239	7.099	0.358	7.102	0.447	7.108	0.545
5.731	-0.182	5.738	-0.071	5.742	0.069	5.749	0.205	7.114	0.621	7.122	0.680	7.126	0.706	7.135	0.731
5.757	0.370	5.761	0.506	5.766	0.591	5.770	0.663	7.141	0.702	7.147	0.685	7.153	0.697	7.159	0.731
5.776	0.765	5.781	0.812	5.785	0.901	5.791	0.948	7.164	0.765	7.168	0.795	7.173	0.825	7.182	0.838
5.801	0.931	5.805	0.910	5.812	0.884	5.819	0.863	7.186	0.863	7.194	0.867	7.195	0.859	7.201	0.821
5.828	0.820	5.833	0.799	5.839	0.774	5.848	0.727	7.210	0.689	7.213	0.562	7.219	0.392	7.223	0.299
5.850	0.710	5.855	0.697	5.856	0.697	5.864	0.744	7.228	0.125	7.231	-0.041	7.235	-0.211	7.239	-0.364
5.873	0.770	5.879	0.791	5.884	0.799	5.887	0.778	7.243	-0.555	7.249	-0.724	7.252	-0.915	7.261	-1.073
5.911	0.141	5.916	-0.071	5.922	-0.207	5.925	-0.453	7.269	-1.225	7.276	-1.357	7.282	-1.472	7.288	-1.514
5.930	-1.018	5.933	-0.763	5.940	-0.937	5.945	-1.064	7.290	-1.518	7.299	-1.361	7.305	-1.183	7.314	-0.932
5.949	-0.979	5.956	-1.149	5.961	-1.085	5.970	-1.004	7.319	-0.678	7.328	-0.351	7.338	-0.193	7.343	-0.092
5.975	-0.979	5.982	-0.937	5.989	-0.911	5.994	-0.881	7.350	0.040	7.358	0.176	7.368	0.282	7.373	0.460
5.999	-0.860	6.007	-0.780	6.014	-0.648	6.017	-0.601	7.378	0.490	7.388	0.511	7.397	0.469	7.405	0.410
6.025	-0.550	6.039	-0.537	6.044	-0.508	6.047	-0.491	7.413	0.359	7.422	0.291	7.433	0.172	7.436	0.151
6.052	-0.461	6.059	-0.389	6.062	-0.325	6.069	-0.244	7.441	0.040	7.447	-0.066	7.453	-0.193	7.457	-0.265
6.074	-0.181	6.080	-0.151	6.090	-0.134	6.098	-0.134	7.464	-0.312	7.469	-0.312	7.480	-0.163	7.492	-0.023
6.107	-0.159	6.115	-0.185	6.120	-0.206	6.125	-0.231	7.504	0.172	7.512	0.287	7.524	0.419	7.532	0.499
6.129	-0.240	6.138	-0.219	6.144	-0.180	6.147	-0.138	7.539	0.533	7.540	0.533	7.550	0.444	7.558	0.359
6.157	-0.096	6.158	-0.083	6.167	-0.091	6.175	-0.091	7.562	0.262	7.565	0.172	7.569	0.096	7.574	0.041
6.185	-0.044	6.191	0.087	6.199	0.227	6.206	0.363	7.578	0.032	7.591	0.075	7.595	0.096	7.603	0.109
6.215	0.461	6.226	0.571	6.232	0.584	6.238	0.605	7.609	0.088	7.612	0.062	7.618	0.028	7.628	0.007
6.247	0.542	6.253	0.495	6.261	0.304	6.269	0.168	7.637	0.024	7.645	-0.028	7.651	0.020	7.658	-0.057
6.274	0.049	6.280	-0.031	6.287	-0.095	6.294	-0.197	7.661	-0.099	7.666	-0.167	7.672	-0.197	7.673	-0.192
6.300	-0.324	6.302	-0.358	6.308	-0.422	6.311	-0.447	7.683	-0.112	7.690	-0.039	7.700	0.092	7.710	0.130
6.318	-0.477	6.322	-0.460	6.332	-0.401	6.343	-0.316	7.723	0.164	7.731	0.198	7.737	0.232	7.743	0.245
6.353	-0.235	6.359	-0.184	6.365	-0.099	6.368	-0.052	7.753	0.343	7.755	0.471	7.763	0.107	7.769	-0.201
6.374	0.054	6.379	0.139	6.385	0.241	6.387	0.313	7.774	-0.362	7.780	-0.489	7.786	-0.578	7.791	-0.638
6.392	0.385	6.395	0.449	6.400	0.495	6.410	0.542	7.797	-0.676	7.805	-0.723	7.815	-0.761	7.819	-0.773
6.413	0.551	6.418	0.525	6.424	0.496	6.427	0.483	7.829	-0.608	7.836	-0.506	7.841	-0.353	7.844	-0.251
6.444	0.445	6.447	0.445	6.455	0.432	6.461	0.390	7.853	-0.166	7.869	-0.115	7.869	-0.103	7.880	-0.060
6.465	0.322	6.473	0.232	6.475	0.177	6.479	0.156	7.889	-0.013	7.898	0.021	7.904	0.059	7.905	0.059
6.489	0.101	6.497	0.084	6.500	0.071	6.509	0.042	7.912	0.029	7.925	-0.022	7.936	-0.094	7.945	-0.140
6.515	-0.026	6.524	-0.052	6.532	-0.086	6.533	-0.086	7.952	-0.174	7.959	-0.225	7.963	-0.220	7.973	-0.200
6.542	-0.048	6.551	-0.009	6.556	0.003	6.563	0.016	7.982	-0.068	7.987	0.072	7.993	0.250	8.002	0.390
6.572	0.004	6.580	0.033	6.581	0.067	6.585	0.139	8.009	0.539	8.022	0.705	8.031	0.811	8.037	0.845
6.587	0.161	6.593	0.173	6.596	0.186	6.606	0.135	8.043	0.845	8.048	0.794	8.055	0.662	8.060	0.594
6.610	0.067	6.618	0.008	6.625	0.008	6.631	0.004	8.064	0.454	8.067	0.344	8.074	0.221	8.078	0.072
6.640	-0.013	6.647	-0.034	6.652	-0.068	6.656	-0.077	8.085	-0.106	8.091	-0.208	8.097	-0.327	8.104	-0.441
6.660	-0.094	6.667	-0.077	6.676	-0.068	6.685	-0.094	8.109	-0.526	8.112	-0.590	8.120	-0.624	8.121	-0.624
6.691	-0.145	6.696	-0.179	6.698	-0.213	6.703	-0.289	8.133	-0.543	8.139	-0.463	8.146	-0.378	8.158	-0.267
								8.166	-0.191	8.172	-0.144	8.178	-0.140	8.187	-0.148



8.190	-0.165	8.193	-0.169	8.201	-0.131	8.210	0.030	9.982	-0.371	9.994	-0.461	10.006	-0.533	10.013	-0.575
8.219	0.166	8.227	0.268	8.233	0.395	8.239	0.531	10.018	-0.635	10.024	-0.685	10.029	-0.681	10.041	-0.592
8.242	0.603	8.248	0.710	8.255	0.769	8.260	0.782	10.050	-0.511	10.069	-0.473	10.080	-0.431	10.095	-0.367
8.272	0.727	8.281	0.659	8.287	0.582	8.297	0.455	10.099	-0.316	10.105	-0.265	10.114	-0.218	10.121	-0.176
8.301	0.366	8.307	0.251	8.313	0.175	8.325	0.073	10.134	-0.129	10.143	-0.065	10.152	-0.002	10.159	0.020
8.335	-0.050	8.341	-0.190	8.347	-0.347	8.352	-0.512	10.164	0.024	10.174	-0.006	10.183	0.031	10.192	-0.044
8.352	-0.343	8.363	-0.445	8.374	-0.517	8.380	-0.572	10.203	0.033	10.211	0.109	10.216	0.139	10.221	0.177
8.390	-0.636	8.399	-0.721	8.412	-0.768	8.424	-0.819	10.221	0.177	10.231	0.041	10.238	-0.022	10.242	-0.124
8.420	-0.360	8.424	-0.139	8.432	0.027	8.438	0.226	10.248	-0.184	10.255	-0.205	10.258	-0.218	10.268	-0.124
8.447	0.417	8.457	0.587	8.460	0.706	8.469	0.808	10.275	-0.101	10.284	0.046	10.289	0.122	10.295	0.199
8.478	0.869	8.484	0.978	8.488	1.046	8.507	1.067	10.300	0.249	10.305	0.390	10.317	0.559	10.324	0.598
8.509	1.063	8.525	0.965	8.526	0.914	8.530	0.787	10.332	0.627	10.337	0.606	10.341	0.589	10.366	0.564
8.544	0.532	8.549	0.324	8.556	0.108	8.563	-0.126	10.352	0.534	10.360	0.500	10.360	0.483	10.368	0.458
8.569	-0.295	8.586	-0.499	8.590	-0.614	8.612	-0.652	10.372	0.437	10.375	0.415	10.384	0.415	10.395	0.432
8.608	-0.707	8.612	-0.699	8.619	-0.614	8.627	-0.512	10.403	0.466	10.411	0.483	10.415	0.488	10.418	0.483
8.631	-0.478	8.638	-0.384	8.651	-0.342	8.658	-0.346	10.423	0.466	10.430	0.467	10.433	0.439	10.438	0.432
8.670	-0.372	8.681	-0.427	8.692	-0.507	8.696	-0.601	10.443	0.114	10.451	-0.047	10.455	-0.158	10.466	-0.306
8.701	-0.677	8.716	-0.720	8.723	-0.758	8.731	-0.758	10.482	-0.467	10.496	-0.603	10.509	-0.701	10.520	-0.731
8.743	-0.766	8.745	-0.766	8.748	-0.762	8.758	-0.685	10.532	-0.752	10.544	-0.803	10.550	-0.849	10.555	-0.892
8.759	-0.622	8.769	-0.537	8.778	-0.435	8.783	-0.388	10.563	-0.921	10.571	-0.921	10.578	-0.904	10.585	-0.879
8.791	-0.299	8.799	-0.189	8.808	-0.061	8.808	-0.061	10.594	-0.853	10.600	-0.764	10.603	-0.667	10.610	-0.535
8.813	0.117	8.822	0.262	8.827	0.402	8.838	0.465	10.619	-0.327	10.624	-0.182	10.632	-0.021	10.639	0.098
8.849	0.538	8.862	0.623	8.870	0.780	8.880	0.894	10.647	0.187	10.654	0.272	10.662	0.319	10.668	0.353
8.889	1.043	8.896	1.200	8.910	1.332	8.921	1.425	10.676	0.361	10.681	0.323	10.691	0.314	10.695	0.323
8.930	1.476	8.939	1.523	8.944	1.519	8.959	1.430	10.704	0.357	10.712	0.408	10.718	0.450	10.721	0.472
8.969	1.239	8.974	1.115	8.980	0.988	8.983	0.861	10.729	0.480	10.759	0.467	10.768	0.357	10.774	0.391
8.994	0.678	9.000	0.385	9.010	0.122	9.017	-0.175	10.756	0.370	10.759	0.357	10.768	0.357	10.774	0.391
9.027	-0.502	9.034	-0.672	9.041	-0.880	9.052	-1.105	10.780	0.434	10.784	0.451	10.787	0.459	10.789	0.472
9.058	-1.156	9.071	-1.028	9.084	-0.875	9.099	-0.629	10.797	0.459	10.803	0.396	10.808	0.332	10.811	0.268
9.107	-0.519	9.122	-0.493	9.126	-0.502	9.135	-0.557	10.815	0.204	10.821	0.111	10.827	0.046	10.835	-0.195
9.142	-0.612	9.152	-0.663	9.155	-0.671	9.165	-0.569	10.860	-0.292	10.866	-0.373	10.854	-0.479	10.862	-0.653
9.180	-0.357	9.189	-0.238	9.197	-0.102	9.209	-0.021	10.869	-0.700	10.875	-0.751	10.885	-0.755	10.896	-0.704
9.214	0.042	9.227	0.051	9.238	-0.009	9.252	-0.102	10.904	-0.632	10.914	-0.513	10.923	-0.390	10.930	-0.283
9.258	-0.136	9.258	-0.136	9.272	-0.026	9.285	0.195	10.936	-0.105	10.942	0.082	10.952	0.290	10.959	0.472
9.293	0.475	9.302	0.790	9.312	1.032	9.319	1.151	10.969	0.617	10.977	0.719	10.986	0.778	10.995	0.821
9.325	1.240	9.333	1.274	9.342	1.295	9.346	1.269	11.000	0.821	11.005	0.744	11.013	0.681	11.020	0.587
9.350	1.257	9.355	1.189	9.358	1.129	9.363	0.968	11.032	0.481	11.041	0.439	11.051	0.375	11.060	0.354
9.372	0.773	9.378	0.658	9.386	0.471	9.394	0.306	11.074	0.350	11.086	0.333	11.095	0.265	11.104	0.138
9.401	0.098	9.409	-0.153	9.415	-0.293	9.422	-0.475	11.107	0.061	11.113	-0.037	11.119	-0.151	11.125	-0.261
9.433	-0.594	9.444	-0.768	9.448	-0.878	9.456	-0.972	11.134	-0.402	11.140	-0.546	11.148	-0.648	11.154	-0.750
9.464	-1.035	9.475	-1.052	9.486	-1.044	9.495	-1.018	11.161	-0.830	11.169	-0.907	11.176	-0.987	11.186	-1.025
9.506	-0.933	9.514	-0.844	9.521	-0.768	9.529	-0.730	11.194	-1.047	11.206	-0.974	11.215	-0.898	11.224	-0.809
9.533	-0.721	9.544	-0.721	9.550	-0.696	9.560	-0.487	11.232	-0.694	11.239	-0.550	11.245	-0.431	11.254	-0.257
9.572	-0.330	9.580	-0.245	9.588	-0.135	9.604	-0.042	11.260	-0.083	11.270	0.036	11.279	0.096	11.284	0.117
9.615	0.022	9.629	0.107	9.640	0.188	9.645	0.273	11.291	0.070	11.297	0.028	11.307	-0.015	11.317	-0.044
9.657	0.451	9.667	0.625	9.678	0.804	9.684	0.927	11.332	-0.040	11.342	-0.032	11.350	0.028	11.357	0.100
9.690	1.007	9.696	1.046	9.702	1.097	9.709	1.126	11.362	0.198	11.367	0.223	11.373	0.342	11.376	0.380
9.715	1.139	9.717	1.135	9.722	1.097	9.731	1.029	11.383	0.436	11.393	0.474	11.403	0.512	11.414	0.546
9.741	0.834	9.747	0.736	9.753	0.621	9.759	0.417	11.418	0.567	11.424	0.580	11.438	0.550	11.443	0.500
9.769	0.231	9.774	0.074	9.778	-0.066	9.789	-0.219	11.449	0.406	11.458	0.270	11.465	0.177	11.471	0.050
9.797	-0.330	9.811	-0.381	9.823	-0.406	9.829	-0.406	11.477	-0.057	11.483	-0.192	11.489	-0.328	11.495	-0.532
9.843	-0.308	9.854	-0.147	9.856	-0.083	9.864	-0.002	11.501	-0.753	11.511	-1.005	11.518	-1.051	11.524	-1.203
9.867	0.095	9.875	0.176	9.877	0.218	9.883	0.206	11.542	-1.194	11.554	-1.105	11.565	-0.999	11.574	-0.859
9.887	0.193	9.893	0.167	9.898	0.138	9.909	0.095	11.583	-0.676	11.588	-0.493	11.592	-0.345	11.599	-0.154
9.916	0.078	9.927	0.083	9.937	0.078	9.949	0.053	11.604	0.054	11.612	0.228	11.621	0.369	11.631	0.487
9.955	0.019	9.963	-0.006	9.969	-0.146	9.975	-0.270	11.642	0.589	11.650	0.602	11.662	0.598	11.675	0.517



11.684	0.403	11.689	0.356	11.699	0.250	11.704	0.195	13.747	0.337	13.760	0.435	13.772	0.461	13.782	0.486
11.713	0.131	11.724	0.089	11.734	0.080	11.748	0.080	13.792	0.507	13.809	0.507	13.820	0.503	13.832	0.478
11.757	0.101	11.761	0.140	11.771	0.237	11.776	0.271	13.843	0.380	13.847	0.346	13.853	0.291	13.858	0.202
11.784	0.288	11.789	0.284	11.802	0.178	11.811	0.059	13.861	0.130	13.865	0.036	13.871	0.099	13.878	0.218
11.816	-0.013	11.825	-0.077	11.829	-0.132	11.832	-0.208	13.885	-0.278	13.893	-0.324	13.900	-0.354	13.908	-0.367
11.836	-0.229	11.845	-0.285	11.854	-0.246	11.859	-0.212	13.921	-0.303	13.930	-0.244	13.938	-0.201	13.947	-0.091
11.870	-0.191	11.873	-0.187	11.879	-0.225	11.889	-0.323	13.954	-0.057	13.959	-0.031	13.969	0.015	13.981	0.016
11.897	-0.386	11.907	-0.429	11.912	-0.463	11.918	-0.480	13.996	-0.010	14.008	-0.035	14.016	-0.057	14.024	-0.057
11.935	-0.454	11.944	-0.395	11.953	-0.310	11.958	-0.208	14.036	-0.031	14.048	0.004	14.057	0.012	14.066	0.029
11.964	-0.097	11.973	0.005	11.980	0.136	11.991	0.200	14.079	0.063	14.093	0.109	14.102	0.156	14.117	0.207
12.001	0.238	12.013	0.221	12.021	0.204	12.032	0.175	14.132	0.207	14.141	0.182	14.155	0.109	14.165	0.003
12.038	0.132	12.047	0.102	12.059	0.081	12.073	0.120	14.167	-0.073	14.173	-0.149	14.185	-0.230	14.198	-0.294
12.109	0.107	12.115	0.056	12.123	0.022	12.131	-0.020	14.202	-0.319	14.215	-0.400	14.221	-0.434	14.233	-0.489
12.136	-0.088	12.140	-0.152	12.149	-0.220	12.157	-0.267	14.244	-0.523	14.260	-0.540	14.273	-0.552	14.282	-0.574
12.162	-0.296	12.171	-0.216	12.177	-0.118	12.188	-0.048	14.294	-0.582	14.310	-0.535	14.316	-0.489	14.325	-0.429
12.198	0.222	12.204	0.315	12.213	0.387	12.227	0.430	14.333	-0.365	14.343	-0.319	14.352	-0.302	14.361	-0.319
12.234	0.422	12.244	0.366	12.254	0.303	12.268	0.231	14.375	-0.365	14.392	-0.420	14.403	-0.450	14.412	-0.471
12.282	0.184	12.294	0.184	12.305	0.214	12.315	0.235	14.429	-0.437	14.442	-0.429	14.451	-0.399	14.462	-0.361
12.325	0.248	12.336	0.184	12.344	0.116	12.352	-0.015	14.471	-0.401	14.483	-0.263	14.495	-0.233	14.500	-0.199
12.356	-0.058	12.366	-0.126	12.373	-0.219	12.378	-0.266	14.507	-0.153	14.519	-0.076	14.527	-0.042	14.538	0.017
12.382	-0.308	12.386	-0.359	12.392	-0.385	12.402	-0.274	14.546	0.039	14.557	0.030	14.565	0.034	14.571	0.017
12.407	-0.211	12.414	-0.126	12.420	-0.015	12.428	-0.129	14.580	-0.042	14.590	-0.076	14.595	-0.089	14.601	-0.093
12.438	0.244	12.447	0.371	12.455	0.503	12.464	0.618	14.608	-0.110	14.612	-0.114	14.625	-0.080	14.634	-0.042
12.471	0.643	12.483	0.639	12.500	0.575	12.511	0.431	14.640	0.013	14.643	0.026	14.650	0.043	14.660	0.056
12.518	0.299	12.526	0.189	12.535	0.083	12.542	0.006	14.672	0.056	14.680	0.039	14.695	-0.003	14.709	-0.054
12.552	0.061	12.559	-0.040	12.572	-0.002	12.580	-0.002	14.719	-0.126	14.727	-0.232	14.733	-0.262	14.740	-0.339
12.594	-0.053	12.606	-0.133	12.611	-0.193	12.623	-0.256	14.750	-0.398	14.755	-0.428	14.765	-0.466	14.770	-0.483
12.637	-0.320	12.646	-0.341	12.652	-0.371	12.657	-0.375	14.778	-0.487	14.788	-0.462	14.798	-0.432	14.808	-0.385
12.669	-0.358	12.678	-0.362	12.693	-0.405	12.705	-0.422	14.818	-0.313	14.827	-0.232	14.835	-0.147	14.843	-0.088
12.707	-0.422	12.718	-0.371	12.729	-0.311	12.738	-0.184	14.854	-0.020	14.861	0.044	14.870	0.069	14.879	0.095
12.743	-0.133	12.754	0.109	12.769	0.389	12.784	0.708	14.893	0.074	14.899	0.053	14.909	0.027	14.920	0.023
12.801	0.929	12.811	1.031	12.821	1.056	12.829	1.082	14.935	-0.020	14.946	-0.053	14.953	-0.062	14.960	-0.062
12.835	1.082	12.845	1.026	12.856	0.912	12.862	0.734	14.967	-0.053	14.978	-0.028	14.987	0.002	14.993	0.061
12.866	0.653	12.872	0.509	12.883	0.381	12.886	0.237	14.998	0.121	15.007	0.168	15.016	0.210	15.025	0.237
12.892	0.143	12.898	0.033	12.914	-0.026	12.925	-0.022	15.036	0.248	15.048	0.219	15.057	0.117	15.067	0.117
12.942	-0.022	12.958	-0.035	12.967	-0.056	12.978	-0.094	15.064	0.028	15.069	-0.062	15.073	-0.117	15.081	-0.172
12.989	-0.119	12.999	-0.145	13.007	-0.183	13.011	-0.187	15.087	-0.206	15.093	-0.214	15.105	-0.176	15.119	-0.134
13.017	-0.204	13.037	-0.136	13.047	-0.043	13.057	0.174	15.125	-0.091	15.139	-0.027	15.152	0.019	15.164	0.038
13.066	0.395	13.078	0.628	13.093	0.823	13.104	0.942	15.169	0.066	15.183	0.113	15.192	0.172	15.198	0.194
13.118	0.989	13.130	1.027	13.130	1.023	13.145	0.909	15.206	0.228	15.215	0.249	15.223	0.236	15.231	0.211
13.151	0.798	13.159	0.645	13.166	0.560	13.170	0.463	15.236	0.185	15.242	0.143	15.247	0.113	15.254	0.071
13.179	0.340	13.189	0.208	13.202	0.140	13.216	0.102	15.263	0.041	15.270	0.020	15.280	0.016	15.290	0.062
13.231	0.038	13.243	0.005	13.253	0.005	13.273	0.026	15.297	0.139	15.305	0.258	15.313	0.321	15.322	0.368
13.278	0.038	13.287	0.119	13.297	0.238	13.298	0.238	15.331	0.411	15.339	0.415	15.348	0.402	15.361	0.377
13.308	0.293	13.316	0.306	13.330	0.230	13.335	0.149	15.369	0.334	15.377	0.296	15.385	0.220	15.391	0.169
13.341	0.030	13.349	-0.016	13.357	-0.050	13.368	-0.088	15.399	0.088	15.411	0.016	15.421	-0.065	15.430	-0.120
13.376	-0.097	13.390	-0.067	13.404	0.014	13.414	0.039	15.437	-0.192	15.448	-0.222	15.457	-0.222	15.468	-0.213
13.420	0.060	13.432	0.069	13.444	0.048	13.454	0.035	15.479	-0.179	15.489	-0.128	15.498	-0.094	15.504	-0.056
13.467	0.022	13.476	0.027	13.484	0.090	13.485	0.192	15.511	-0.039	15.520	-0.022	15.526	-0.026	15.534	-0.056
13.495	0.256	13.503	0.307	13.517	0.366	13.529	0.405	15.542	-0.081	15.554	-0.141	15.562	-0.187	15.571	-0.208
13.542	0.443	13.554	0.485	13.570	0.477	13.581	0.451	15.583	-0.213	15.591	-0.213	15.600	-0.200	15.616	-0.166
13.593	0.452	13.605	0.481	13.615	0.481	13.628	0.469	15.628	-0.098	15.637	-0.038	15.644	0.021	15.651	0.089
13.637	0.443	13.654	0.380	13.664	0.303	13.671	0.231	15.658	0.157	15.673	0.272	15.685	0.318	15.693	0.361
13.675	0.189	13.681	0.108	13.687	0.065	13.695	0.032	15.701	0.386	15.718	0.420	15.735	0.467	15.755	0.488
13.702	0.019	13.716	0.074	13.725	0.163	13.736	0.248	15.777	0.522	15.793	0.552	15.808	0.603	15.816	0.586
								15.831	0.535	15.839	0.489	15.844	0.459	15.854	0.387



15.862	0.306	15.867	0.268	15.872	0.221	15.881	0.170	18.197	0.106	18.209	0.081	18.229	0.098	18.252	0.136
15.896	0.128	15.903	0.090	15.914	0.081	15.925	0.094	18.266	0.140	18.281	0.200	18.290	0.246	18.301	0.302
15.930	0.115	15.947	0.213	15.956	0.273	15.974	0.302	18.309	0.331	18.318	0.353	18.324	0.331	18.339	0.298
15.982	0.298	15.996	0.307	16.010	0.353	16.018	0.375	18.356	0.255	18.365	0.221	18.370	0.204	18.381	0.170
16.026	0.387	16.035	0.379	16.038	0.375	16.051	0.332	18.391	0.179	18.401	0.200	18.408	0.230	18.421	0.255
16.060	0.239	16.082	0.218	16.074	0.137	16.081	0.082	18.431	0.294	18.440	0.294	18.447	0.264	18.456	0.230
16.086	0.027	16.099	-0.011	16.106	-0.016	16.112	-0.003	18.467	0.154	18.478	0.098	18.483	0.064	18.491	0.039
16.118	0.040	16.130	0.125	16.142	0.214	16.153	0.282	18.495	0.039	18.508	0.052	18.516	0.103	18.526	0.162
16.160	0.320	16.173	0.367	16.184	0.405	16.198	0.388	18.537	0.213	18.543	0.239	18.556	0.235	18.577	0.213
16.214	0.392	16.225	0.418	16.231	0.422	16.244	0.367	18.586	0.247	18.604	0.328	18.616	0.349	18.631	0.366
16.252	0.337	16.261	0.303	16.267	0.261	16.275	0.240	18.646	0.349	18.662	0.316	18.672	0.273	18.678	0.239
16.284	0.202	16.298	0.206	16.313	0.223	16.322	0.248	18.685	0.214	18.691	0.214	18.705	0.320	18.718	0.392
16.338	0.261	16.344	0.257	16.356	0.210	16.364	0.159	18.729	0.435	18.745	0.511	18.758	0.532	18.781	0.494
16.370	0.083	16.375	0.036	16.387	0.027	16.393	0.074	18.796	0.448	18.805	0.401	18.822	0.316	18.834	0.235
16.403	-0.112	16.411	-0.125	16.422	-0.121	16.438	-0.061	18.847	0.138	18.861	0.036	18.869	0.019	18.873	0.023
16.452	0.020	16.463	0.104	16.473	0.198	16.483	0.270	18.887	0.100	18.900	0.176	18.913	0.265	18.934	0.316
16.493	0.342	16.502	0.385	16.512	0.393	16.523	0.381	18.958	0.325	18.968	0.317	18.992	0.274	19.006	0.287
16.534	0.342	16.544	0.309	16.551	0.309	16.562	0.343	19.015	0.287	19.030	0.283	19.050	0.236	19.063	0.198
16.572	0.432	16.578	0.500	16.589	0.627	16.600	0.708	19.074	0.181	19.089	0.198	19.100	0.224	19.120	0.292
16.609	0.810	16.618	0.844	16.625	0.844	16.636	0.818	19.133	0.313	19.142	0.300	19.148	0.287	19.166	0.245
16.651	0.738	16.669	0.653	16.674	0.504	16.686	0.402	19.177	0.232	19.186	0.241	19.201	0.275	19.213	0.347
16.694	0.254	16.705	0.152	16.715	0.097	16.725	0.050	19.218	0.441	19.229	0.589	19.243	0.721	19.251	0.789
16.728	0.054	16.739	0.105	16.749	0.144	16.754	0.165	19.263	0.844	19.273	0.840	19.288	0.776	19.294	0.674
16.763	0.203	16.771	0.203	16.783	0.173	16.791	0.135	19.305	0.500	19.310	0.398	19.321	0.309	19.327	0.241
16.799	0.046	16.803	0.012	16.809	-0.034	16.814	-0.080	19.334	0.186	19.343	0.165	19.351	0.182	19.362	0.208
16.827	-0.098	16.838	-0.094	16.847	-0.085	16.851	-0.085	19.380	0.280	19.385	0.335	19.409	0.360	19.439	0.382
16.865	-0.102	16.879	-0.128	16.886	-0.170	16.901	-0.187	19.419	0.386	19.432	0.352	19.445	0.280	19.447	0.233
16.906	-0.191	16.911	-0.200	16.919	-0.221	16.935	-0.229	19.456	0.165	19.465	0.097	19.473	0.042	19.496	-0.026
16.946	-0.225	16.961	-0.225	16.976	-0.246	16.994	-0.246	19.514	-0.059	19.540	-0.064	19.543	-0.064	19.557	-0.093
17.004	-0.208	17.013	-0.102	17.016	-0.055	17.024	0.038	19.566	-0.131	19.574	-0.182	19.586	-0.246	19.598	-0.322
17.041	0.145	17.052	0.191	17.067	0.196	17.080	0.196	19.614	-0.620	19.622	-0.496	19.639	-0.539	19.650	-0.573
17.092	0.153	17.101	0.102	17.105	0.060	17.110	0.017	19.653	-0.573	19.671	-0.539	19.690	-0.483	19.701	-0.466
17.115	-0.021	17.123	-0.059	17.138	-0.067	17.153	-0.038	19.706	-0.432	19.714	-0.403	19.726	-0.420	19.734	-0.458
17.162	-0.008	17.170	0.018	17.179	0.013	17.188	-0.020	19.743	-0.504	19.759	-0.555	19.773	-0.589	19.782	-0.615
17.207	-0.076	17.220	-0.131	17.229	-0.160	17.242	-0.216	19.803	-0.585	19.822	-0.462	19.830	-0.407	19.839	-0.339
17.248	-0.250	17.254	-0.271	17.266	-0.266	17.277	-0.249	19.856	-0.275	19.868	-0.228	19.879	-0.220	19.901	-0.236
17.295	-0.181	17.309	-0.139	17.318	-0.088	17.326	-0.071	19.917	-0.258	19.932	-0.215	19.944	-0.190	19.947	-0.181
17.332	-0.071	17.347	-0.075	17.355	-0.054	17.369	0.018	19.964	-0.177	19.976	-0.198	19.982	-0.232	19.997	-0.283
17.384	0.061	17.395	0.116	17.411	0.108	17.422	0.108	20.007	-0.317	20.017	-0.346	20.032	-0.368	20.052	-0.249
17.430	0.112	17.439	0.095	17.447	0.082	17.465	0.006	20.062	-0.206	20.067	-0.142	20.078	-0.075	20.088	-0.045
17.478	-0.058	17.490	-0.117	17.509	-0.181	17.521	-0.215	20.092	-0.028	20.102	-0.024	20.114	-0.045	20.123	-0.083
17.538	-0.274	17.556	-0.287	17.572	-0.274	17.586	-0.304	20.135	-0.138	20.138	-0.168	20.150	-0.180	20.156	-0.189
17.599	-0.253	17.614	-0.189	17.629	-0.146	17.645	-0.155	20.162	-0.185	20.168	-0.168	20.185	-0.108	20.203	-0.015
17.665	-0.014	17.680	-0.227	17.695	-0.274	17.705	-0.299	20.219	0.041	20.230	0.092	20.238	0.121	20.260	0.177
17.710	-0.337	17.719	-0.316	17.727	-0.273	17.735	-0.218	20.287	0.211	20.301	0.232	20.304	0.240	20.322	0.240
17.743	-0.116	17.758	-0.014	17.768	0.092	17.777	0.117	20.341	0.253	20.347	0.275	20.355	0.275	20.361	0.266
17.784	0.168	17.799	0.156	17.810	0.156	17.822	0.164	20.372	0.258	20.383	0.236	20.396	0.207	20.402	0.186
17.830	0.168	17.854	0.168	17.854	0.139	17.864	0.105	20.410	0.169	20.416	0.164	20.425	0.160	20.439	0.177
17.875	0.067	17.881	0.046	17.897	0.007	17.909	-0.010	20.456	0.186	20.467	0.190	20.476	0.160	20.493	0.182
17.920	-0.014	17.933	0.029	17.939	0.037	17.953	0.054	20.504	0.156	20.514	0.118	20.528	0.110	20.548	0.131
17.966	0.131	17.979	0.182	17.990	0.220	17.992	0.245	20.559	0.169	20.578	0.186	20.586	0.190	20.590	0.173
18.005	0.318	18.015	0.339	18.015	0.356	18.026	0.407	20.599	0.165	20.607	0.156	20.616	0.165	20.627	0.186
18.033	0.415	18.047	0.407	18.061	0.377	18.074	0.326	20.637	0.191	20.651	0.148	20.654	0.127	20.662	0.101
18.080	0.305	18.086	0.280	18.095	0.275	18.105	0.305	20.672	0.059	20.683	0.025	20.698	-0.026	20.714	-0.055
18.115	0.314	18.126	0.314	18.133	0.314	18.141	0.293	20.722	-0.055	20.738	-0.009	20.759	0.119	20.769	0.178
18.156	0.271	18.170	0.204	18.179	0.148	18.187	0.123	20.785	0.297	20.799	0.374	20.815	0.391	20.821	0.391



20.837	0.336	20.850	0.238	20.854	0.200	20.863	0.183	23.119	0.330	23.134	0.326	23.151	0.348	23.158	0.335
20.876	0.187	20.888	0.204	20.903	0.281	20.920	0.353	23.160	0.331	23.175	0.318	23.182	0.297	23.191	0.280
20.934	0.383	20.943	0.412	20.954	0.412	20.970	0.400	23.194	0.271	23.203	0.233	23.210	0.207	23.216	0.191
20.989	0.357	21.000	0.306	21.014	0.239	21.020	0.154	23.221	0.174	23.229	0.157	23.240	0.144	23.251	0.153
21.036	0.052	21.048	0.001	21.059	-0.025	21.077	0.014	23.262	0.174	23.274	0.216	23.278	0.229	23.292	0.250
21.090	0.035	21.107	0.077	21.134	0.107	21.151	0.167	23.304	0.263	23.314	0.246	23.322	0.225	23.332	0.187
21.171	0.201	21.176	0.214	21.190	0.256	21.210	0.252	23.339	0.161	23.351	0.127	23.359	0.085	23.362	0.051
21.226	0.252	21.244	0.286	21.258	0.418	21.266	0.486	23.375	0.013	23.387	0.000	23.397	0.004	23.408	0.026
21.277	0.519	21.295	0.677	21.309	0.783	21.316	0.787	23.414	0.051	23.422	0.102	23.428	0.149	23.430	0.179
21.326	0.779	21.332	0.745	21.338	0.694	21.347	0.647	23.444	0.213	23.452	0.247	23.465	0.272	23.474	0.289
21.356	0.592	21.362	0.554	21.368	0.545	21.376	0.545	23.489	0.285	23.504	0.281	23.518	0.277	23.528	0.268
21.385	0.537	21.395	0.537	21.404	0.562	21.412	0.579	23.541	0.255	23.550	0.234	23.566	0.230	23.577	0.230
21.422	0.588	21.428	0.605	21.442	0.601	21.447	0.584	23.589	0.213	23.598	0.196	23.607	0.179	23.617	0.167
21.460	0.558	21.470	0.512	21.478	0.478	21.485	0.452	23.630	0.162	23.639	0.150	23.652	0.120	23.658	0.099
21.496	0.393	21.503	0.359	21.516	0.346	21.524	0.334	23.663	0.048	23.671	0.014	23.678	-0.016	23.690	-0.041
21.540	0.325	21.554	0.317	21.569	0.304	21.582	0.274	23.694	-0.062	23.711	-0.092	23.722	-0.122	23.731	-0.126
21.598	0.253	21.602	0.224	21.614	0.156	21.621	0.139	23.738	-0.156	23.747	-0.202	23.755	-0.228	23.763	-0.245
21.626	0.109	21.633	0.075	21.637	0.058	21.647	-0.006	23.779	-0.236	23.790	-0.202	23.800	-0.185	23.811	-0.151
21.656	-0.031	21.665	-0.073	21.672	-0.095	21.678	-0.112	23.819	-0.121	23.828	-0.109	23.842	-0.138	23.852	-0.160
21.683	-0.150	21.689	-0.171	21.696	-0.192	21.705	-0.201	23.865	-0.164	23.878	-0.172	23.888	-0.176	23.900	-0.168
21.716	-0.188	21.731	-0.162	21.741	-0.154	21.749	-0.137	23.912	-0.151	23.923	-0.151	23.938	-0.168	23.945	-0.197
21.756	-0.099	21.765	-0.082	21.776	-0.099	21.787	-0.128	23.956	-0.223	23.966	-0.270	23.976	-0.308	23.986	-0.337
21.796	-0.149	21.802	-0.158	21.808	-0.166	21.819	-0.188	23.991	-0.354	24.005	-0.354	24.017	-0.333	24.025	-0.295
21.829	-0.209	21.840	-0.230	21.848	-0.247	21.855	-0.294	24.035	-0.235	24.044	-0.176	24.054	-0.121	24.065	-0.091
21.867	-0.345	21.872	-0.383	21.880	-0.412	21.893	-0.442	24.079	-0.057	24.094	-0.040	24.104	-0.057	24.112	-0.104
21.902	-0.463	21.916	-0.489	21.923	-0.518	21.933	-0.527	24.115	-0.120	24.122	-0.159	24.130	-0.188	24.141	-0.218
21.947	-0.506	21.955	-0.489	21.966	-0.463	21.978	-0.488	24.154	-0.222	24.171	-0.192	24.184	-0.167	24.196	-0.163
21.987	-0.514	21.996	-0.539	22.004	-0.565	22.012	-0.612	24.213	-0.163	24.228	-0.158	24.240	-0.137	24.249	-0.107
22.019	-0.658	22.029	-0.684	22.040	-0.726	22.047	-0.768	24.260	-0.065	24.273	-0.035	24.277	-0.022	24.277	-0.018
22.054	-0.798	22.063	-0.819	22.078	-0.819	22.086	-0.777	24.283	-0.031	24.290	-0.065	24.299	-0.107	24.310	-0.150
22.106	-0.768	22.122	-0.743	22.135	-0.747	22.151	-0.734	24.319	-0.192	24.323	-0.213	24.330	-0.243	24.337	-0.278
22.161	-0.700	22.168	-0.675	22.180	-0.641	22.191	-0.653	24.343	-0.285	24.354	-0.302	24.367	-0.294	24.381	-0.268
22.200	-0.675	22.210	-0.708	22.219	-0.738	22.225	-0.764	24.387	-0.238	24.396	-0.200	24.413	-0.149	24.428	-0.136
22.234	-0.776	22.245	-0.768	22.257	-0.738	22.265	-0.708	24.439	-0.136	24.459	-0.153	24.473	-0.200	24.489	-0.217
22.274	-0.657	22.279	-0.628	22.284	-0.598	22.291	-0.530	24.505	-0.259	24.521	-0.293	24.532	-0.306	24.547	-0.331
22.299	-0.487	22.312	-0.432	22.324	-0.398	22.334	-0.373	24.557	-0.344	24.572	-0.352	24.577	-0.340	24.597	-0.310
22.344	-0.360	22.357	-0.356	22.363	-0.368	22.375	-0.398	24.614	-0.276	24.628	-0.284	24.640	-0.293	24.656	-0.284
22.409	-0.487	22.423	-0.483	22.432	-0.449	22.441	-0.406	24.667	-0.276	24.677	-0.267	24.692	-0.246	24.710	-0.220
22.450	-0.355	22.464	-0.334	22.473	-0.321	22.484	-0.342	24.726	-0.203	24.736	-0.216	24.751	-0.199	24.763	-0.195
22.495	-0.368	22.505	-0.402	22.514	-0.453	22.521	-0.453	24.828	-0.037	24.840	0.001	24.844	0.022	24.859	0.056
22.536	-0.461	22.545	-0.457	22.555	-0.440	22.562	-0.393	24.867	0.069	24.878	0.090	24.888	0.090	24.902	0.069
22.569	-0.368	22.574	-0.342	22.584	-0.287	22.591	-0.232	24.917	0.056	24.932	0.039	24.947	0.022	24.956	0.018
22.595	-0.202	22.600	-0.164	22.606	-0.130	22.614	-0.092	24.965	0.001	24.976	-0.020	24.994	-0.016	24.999	-0.024
22.626	-0.053	22.649	-0.019	22.663	-0.023	22.679	-0.011	25.011	-0.045	25.029	-0.041	25.039	-0.062	25.048	-0.071
22.688	-0.006	22.701	0.011	22.715	0.032	22.728	0.040	25.057	-0.066	25.068	-0.049	25.082	-0.028	25.098	-0.028
22.737	0.057	22.744	0.083	22.759	0.108	22.765	0.109	25.114	-0.049	25.136	-0.062	25.153	-0.079	25.168	-0.113
22.770	0.096	22.780	0.058	22.785	0.058	22.794	0.015	25.180	-0.130	25.191	-0.142	25.196	-0.151	25.204	-0.168
22.799	-0.006	22.802	-0.014	22.813	-0.040	22.822	-0.048	25.220	-0.172	25.232	-0.159	25.245	-0.138	25.256	-0.138
22.839	-0.027	22.848	-0.014	22.860	0.003	22.869	-0.010	25.270	-0.151	25.285	-0.176	25.299	-0.218	25.307	-0.261
22.881	-0.006	22.893	0.020	22.909	0.028	22.918	0.050	25.312	-0.316	25.328	-0.341	25.344	-0.346	25.366	-0.316
22.926	0.075	22.933	0.084	22.945	0.130	22.953	0.164	25.385	-0.324	25.398	-0.295	25.414	-0.261	25.431	-0.222
22.957	0.211	22.968	0.241	22.980	0.245	22.987	0.237	25.447	-0.171	25.457	-0.129	25.472	-0.065	25.482	-0.035
23.002	0.220	23.013	0.211	23.022	0.199	23.032	0.199	25.492	0.024	25.507	0.054	25.516	0.101	25.531	0.198
23.041	0.220	23.049	0.245	23.062	0.271	23.071	0.305	25.544	0.237	25.556	0.279	25.559	0.296	25.574	0.275
23.080	0.347	23.091	0.364	23.101	0.356	23.110	0.347	25.587	0.237	25.594	0.211	25.611	0.160	25.625	0.148



25.639	0.152	25.654	0.135	25.656	0.127	25.664	0.148	28.842	-0.045	28.849	-0.011	28.861	0.031	28.870	0.057
25.674	0.144	25.687	0.152	25.702	0.152	25.712	0.161	28.881	0.095	28.894	0.116	28.908	0.125	28.921	0.112
25.726	0.127	25.737	0.101	25.747	0.101	25.757	0.085	28.931	0.116	28.949	0.133	28.952	0.138	28.958	0.150
25.768	0.076	25.786	0.076	25.799	0.085	25.810	0.072	28.967	0.180	28.972	0.201	28.981	0.213	28.992	0.257
25.820	0.034	25.834	-0.009	25.845	-0.051	25.858	-0.081	29.003	0.269	29.016	0.269	29.027	0.253	29.039	0.240
25.874	-0.076	25.889	-0.064	25.904	-0.059	25.925	-0.059	29.049	0.240	29.062	0.219	29.069	0.214	29.082	0.210
25.940	-0.059	25.955	-0.068	25.974	-0.089	25.988	-0.106	29.101	0.210	29.109	0.219	29.125	0.253	29.136	0.283
26.001	-0.135	26.013	-0.144	26.037	-0.140	26.050	-0.118	29.147	0.295	29.161	0.329	29.167	0.342	29.177	0.372
26.067	-0.110	26.093	-0.110	26.096	-0.110	26.105	-0.135	29.191	0.368	29.199	0.363	29.212	0.359	29.226	0.347
26.123	-0.148	26.138	-0.169	26.150	-0.173	26.175	-0.165	29.239	0.325	29.253	0.300	29.256	0.287	29.267	0.258
26.193	-0.156	26.220	-0.156	26.232	-0.160	26.254	-0.147	29.293	0.326	29.297	0.336	29.308	0.262	29.323	0.292
26.271	-0.130	26.287	-0.062	26.308	-0.058	26.331	-0.058	29.339	0.326	29.353	0.343	29.368	0.368	29.382	0.364
26.343	-0.024	26.359	0.036	26.367	0.053	26.382	0.070	29.397	0.343	29.410	0.317	29.415	0.305	29.427	0.284
26.402	0.061	26.429	0.061	26.446	0.074	26.461	0.095	29.436	0.241	29.454	0.241	29.462	0.241	29.478	0.250
26.478	0.159	26.494	0.185	26.515	0.248	26.535	0.291	29.493	0.258	29.506	0.267	29.515	0.267	29.525	0.254
26.551	0.299	26.563	0.291	26.580	0.274	26.600	0.249	29.538	0.220	29.550	0.208	29.563	0.191	29.571	0.174
26.612	0.232	26.632	0.232	26.643	0.249	26.657	0.283	29.583	0.148	29.594	0.136	29.595	0.131	29.609	0.131
26.676	0.334	26.686	0.351	26.707	0.372	26.724	0.368	29.622	0.140	29.631	0.165	29.643	0.191	29.652	0.216
26.740	0.317	26.765	0.326	26.780	0.326	26.793	0.321	29.657	0.225	29.665	0.255	29.672	0.280	29.681	0.306
26.813	0.347	26.831	0.326	26.855	0.330	26.871	0.326	29.690	0.310	29.702	0.318	29.711	0.344	29.720	0.314
26.886	0.326	26.904	0.309	26.921	0.292	26.946	0.229	29.730	0.323	29.740	0.344	29.751	0.318	29.761	0.344
26.958	0.207	26.969	0.156	26.981	0.110	26.997	0.072	29.767	0.340	29.777	0.319	29.788	0.306	29.793	0.289
27.015	0.034	27.032	0.004	27.044	-0.013	27.071	-0.017	29.794	0.268	29.799	0.242	29.801	0.238	29.809	0.204
27.088	-0.026	27.111	-0.055	27.129	-0.085	27.143	-0.157	29.816	0.187	29.827	0.196	29.839	0.204	29.855	0.226
27.153	-0.183	27.165	-0.233	27.185	-0.284	27.212	-0.284	29.864	0.238	29.878	0.243	29.895	0.226	29.904	0.217
27.234	-0.310	27.255	-0.314	27.269	-0.318	27.288	-0.343	29.909	0.205	29.919	0.183	29.932	0.183	29.943	0.166
27.302	-0.373	27.320	-0.386	27.344	-0.377	27.360	-0.352	29.950	0.158	29.958	0.149	29.968	0.145	29.977	0.137
27.371	-0.318	27.388	-0.258	27.410	-0.152	27.425	-0.122	29.986	0.133	29.997	0.116	30.009	0.124	30.021	0.116
27.433	-0.131	27.440	-0.139	27.450	-0.160	27.460	-0.177	30.030	0.120	30.035	0.120	30.042	0.129	30.051	0.141
27.476	-0.186	27.489	-0.186	27.506	-0.173	27.515	-0.156	30.059	0.134	30.075	0.146	30.084	0.146	30.098	0.150
27.524	-0.130	27.536	-0.101	27.550	-0.079	27.566	-0.062	30.108	0.150	30.119	0.150	30.136	0.137	30.151	0.116
27.578	-0.058	27.590	-0.062	27.606	-0.088	27.616	-0.105	30.164	0.086	30.173	0.057	30.183	0.031	30.202	0.014
27.631	-0.134	27.643	-0.151	27.657	-0.147	27.670	-0.143	30.217	0.002	30.225	-0.015	30.238	-0.036	30.245	-0.053
27.688	-0.126	27.703	-0.087	27.711	-0.053	27.722	-0.019	30.256	-0.079	30.268	-0.100	30.287	-0.130	30.302	-0.134
27.738	0.006	27.746	0.027	27.763	0.053	27.775	0.049	30.316	-0.121	30.325	-0.100	30.333	-0.087	30.345	-0.078
27.846	-0.010	27.865	0.002	27.879	-0.006	27.892	-0.006	30.358	-0.078	30.370	-0.083	30.378	-0.095	30.382	-0.117
27.911	-0.010	27.920	-0.027	27.936	-0.031	27.956	-0.019	30.389	-0.125	30.434	-0.193	30.443	-0.227	30.453	-0.256
27.971	-0.001	27.987	0.003	27.995	0.007	28.008	-0.010	30.424	-0.163	30.434	-0.193	30.443	-0.227	30.453	-0.256
28.020	-0.027	28.043	-0.052	28.058	-0.044	28.064	-0.052	30.461	-0.232	30.472	-0.248	30.491	-0.231	30.507	-0.248
28.084	-0.056	28.106	-0.082	28.131	-0.150	28.153	-0.188	30.518	-0.231	30.530	-0.197	30.549	-0.209	30.556	-0.226
28.177	-0.213	28.195	-0.222	28.206	-0.226	28.218	-0.234	30.572	-0.222	30.578	-0.226	30.590	-0.252	30.592	-0.260
28.240	-0.179	28.250	-0.158	28.262	-0.145	28.272	-0.128	30.605	-0.256	30.614	-0.264	30.626	-0.269	30.636	-0.294
28.280	-0.124	28.294	-0.141	28.306	-0.179	28.319	-0.221	30.644	-0.311	30.655	-0.315	30.666	-0.319	30.672	-0.332
28.331	-0.255	28.336	-0.276	28.342	-0.297	28.351	-0.348	30.728	-0.336	30.735	-0.349	30.742	-0.370	30.751	-0.362
28.369	-0.382	28.382	-0.408	28.390	-0.433	28.407	-0.459	30.761	-0.349	30.771	-0.362	30.774	-0.370	30.779	-0.391
28.420	-0.459	28.432	-0.412	28.442	-0.374	28.452	-0.357	30.788	-0.417	30.805	-0.442	30.814	-0.438	30.836	-0.433
28.462	-0.331	28.472	-0.318	28.481	-0.310	28.493	-0.305	30.845	-0.421	30.856	-0.408	30.863	-0.391	30.869	-0.378
28.495	-0.310	28.506	-0.335	28.515	-0.356	28.526	-0.382	30.874	-0.370	30.885	-0.374	30.893	-0.365	30.905	-0.382
28.541	-0.416	28.547	-0.441	28.554	-0.475	28.560	-0.501	30.921	-0.386	30.928	-0.408	30.941	-0.420	30.949	-0.429
28.576	-0.509	28.588	-0.500	28.601	-0.488	28.611	-0.458	30.964	-0.433	30.977	-0.416	30.992	-0.412	30.999	-0.412
28.619	-0.445	28.632	-0.441	28.644	-0.432	28.655	-0.441	31.008	-0.403	31.019	-0.395	31.028	-0.386	31.037	-0.412
28.658	-0.449	28.672	-0.466	28.682	-0.449	28.694	-0.441	31.042	-0.373	31.049	-0.352	31.055	-0.331	31.062	-0.314
28.709	-0.453	28.720	-0.441	28.731	-0.428	28.740	-0.411	31.065	-0.297	31.073	-0.284	31.077	-0.271	31.082	-0.259
28.754	-0.406	28.760	-0.398	28.774	-0.355	28.787	-0.292	31.090	-0.266	31.098	-0.229	31.109	-0.212	31.114	-0.203
28.801	-0.249	28.812	-0.207	28.823	-0.147	28.831	-0.092	31.117	-0.195	31.125	-0.169	31.135	-0.165	31.144	-0.148



31.150	-0.122	31.160	-0.088	31.168	-0.063	31.185	-0.054	33.210	-0.179	33.218	-0.171	33.225	-0.167	33.235	-0.158
31.196	-0.016	31.207	-0.025	31.220	-0.016	31.229	-0.025	33.244	-0.154	33.255	-0.158	33.268	-0.166	33.278	-0.171
31.240	-0.025	31.243	-0.029	31.253	-0.033	31.267	-0.020	33.290	-0.179	33.302	-0.171	33.311	-0.162	33.325	-0.145
31.289	-0.016	31.299	-0.012	31.314	-0.001	31.323	-0.012	33.331	-0.128	33.334	-0.119	33.343	-0.115	33.348	-0.102
31.338	-0.024	31.351	-0.033	31.371	-0.011	31.387	-0.011	33.360	-0.073	33.371	-0.073	33.378	-0.073	33.386	-0.068
31.395	-0.010	31.409	-0.010	31.410	-0.006	31.417	-0.010	33.392	-0.068	33.403	-0.081	33.414	-0.106	33.426	-0.128
31.424	0.014	31.436	0.014	31.442	0.036	31.451	0.040	33.436	-0.145	33.449	-0.157	33.460	-0.166	33.469	-0.178
31.453	0.053	31.461	0.061	31.474	0.053	31.478	0.036	33.478	-0.204	33.491	-0.212	33.505	-0.204	33.509	-0.195
31.486	0.048	31.492	0.070	31.503	0.053	31.509	0.044	33.518	-0.187	33.526	-0.170	33.532	-0.157	33.544	-0.119
31.524	0.044	31.530	0.044	31.540	0.053	31.542	0.061	33.559	-0.085	33.573	-0.089	33.583	-0.089	33.593	-0.089
31.558	0.053	31.565	0.044	31.572	0.044	31.582	0.049	33.605	-0.093	33.612	-0.085	33.621	-0.055	33.633	-0.051
31.598	0.040	31.610	0.036	31.621	0.057	31.628	0.079	33.647	-0.050	33.653	-0.055	33.666	-0.067	33.673	-0.072
31.639	0.087	31.653	0.087	31.670	0.087	31.682	0.096	33.682	-0.067	33.688	-0.072	33.704	-0.080	33.710	-0.093
31.689	0.096	31.697	0.100	31.707	0.100	31.719	0.113	33.720	-0.084	33.732	-0.063	33.742	-0.059	33.754	-0.059
31.725	0.126	31.735	0.155	31.747	0.147	31.752	0.138	33.767	-0.067	33.776	-0.046	33.788	-0.054	33.799	-0.071
31.762	0.122	31.774	0.105	31.777	0.092	31.785	0.088	33.807	-0.067	33.817	-0.054	33.826	-0.033	33.836	-0.003
31.791	0.079	31.795	0.071	31.805	0.066	31.811	0.079	33.840	0.027	33.845	0.039	33.848	0.056	33.851	0.073
31.826	0.084	31.835	0.084	31.846	0.075	31.853	0.071	33.857	0.082	33.863	0.090	33.866	0.099	33.874	0.107
31.862	0.058	31.872	0.045	31.880	0.037	31.883	0.037	33.880	0.116	33.886	0.133	33.890	0.133	33.898	0.141
31.884	0.037	31.886	0.037	31.888	0.037	31.891	0.033	33.904	0.141	33.913	0.141	33.923	0.133	33.933	0.120
31.895	0.041	31.903	0.046	31.909	0.054	31.914	0.054	33.944	0.120	33.953	0.108	33.961	0.099	33.968	0.095
31.922	0.050	31.930	0.046	31.938	0.041	31.947	0.041	33.975	0.086	33.981	0.082	33.994	0.078	34.006	0.087
31.957	0.037	31.966	0.042	31.972	0.042	31.980	0.042	34.014	0.095	34.018	0.125	34.026	0.133	34.038	0.129
31.989	0.046	31.999	0.071	32.009	0.093	32.017	0.105	34.045	0.129	34.050	0.133	34.056	0.129	34.065	0.112
32.025	0.135	32.032	0.139	32.040	0.139	32.043	0.135	34.074	0.095	34.076	0.091	34.082	0.070	34.088	0.057
32.054	0.135	32.057	0.135	32.067	0.140	32.073	0.131	34.093	0.036	34.100	0.023	34.110	0.001	34.119	0.011
32.084	0.140	32.090	0.148	32.100	0.165	32.110	0.174	34.126	0.002	34.131	0.002	34.140	0.002	34.148	0.002
32.121	0.174	32.130	0.178	32.137	0.199	32.146	0.199	34.154	0.011	34.162	0.011	34.170	0.015	34.174	0.015
32.152	0.208	32.160	0.216	32.172	0.225	32.179	0.212	34.184	0.015	34.190	0.019	34.197	0.024	34.202	0.045
32.190	0.191	32.200	0.178	32.211	0.157	32.219	0.153	34.208	0.062	34.215	0.092	34.223	0.100	34.234	0.138
32.230	0.115	32.238	0.089	32.248	0.072	32.260	0.077	34.248	0.138	34.253	0.134	34.261	0.126	34.270	0.109
32.268	0.081	32.277	0.081	32.282	0.081	32.289	0.081	34.278	0.104	34.283	0.092	34.292	0.049	34.300	0.032
32.301	0.094	32.309	0.098	32.313	0.106	32.319	0.128	34.303	0.032	34.307	0.020	34.315	0.003	34.321	-0.014
32.333	0.157	32.342	0.174	32.352	0.174	32.366	0.170	34.328	-0.027	34.335	-0.040	34.341	-0.052	34.348	-0.057
32.375	0.162	32.386	0.158	32.400	0.158	32.413	0.149	34.353	-0.061	34.358	-0.078	34.362	-0.086	34.365	-0.095
32.421	0.141	32.431	0.120	32.439	0.111	32.448	0.111	34.373	-0.124	34.377	-0.146	34.384	-0.175	34.389	-0.188
32.456	0.115	32.470	0.132	32.480	0.145	32.489	0.158	34.396	-0.192	34.406	-0.197	34.418	-0.205	34.428	-0.201
32.498	0.166	32.503	0.175	32.513	0.179	32.521	0.188	34.437	-0.188	34.447	-0.188	34.453	-0.188	34.461	-0.158
32.530	0.196	32.542	0.205	32.552	0.192	32.563	0.175	34.467	-0.154	34.473	-0.137	34.481	-0.111	34.487	-0.086
32.575	0.138	32.584	0.150	32.598	0.146	32.607	0.141	34.494	-0.052	34.502	-0.022	34.508	0.003	34.516	0.012
32.618	0.133	32.627	0.141	32.639	0.146	32.648	0.146	34.519	0.016	34.530	0.012	34.535	-0.009	34.542	-0.018
32.658	0.159	32.668	0.154	32.683	0.150	32.692	0.146	34.557	-0.026	34.567	-0.026	34.573	-0.035	34.579	-0.039
32.699	0.142	32.722	0.099	32.730	0.082	32.740	0.048	34.587	-0.047	34.595	-0.056	34.601	-0.064	34.611	-0.081
32.748	0.027	32.760	0.031	32.768	0.027	32.776	0.006	34.620	-0.090	34.632	-0.098	34.640	-0.102	34.648	-0.115
32.787	-0.002	32.798	0.006	32.808	0.023	32.816	0.015	34.656	-0.132	34.664	-0.166	34.669	-0.174	34.677	-0.183
32.824	-0.007	32.832	-0.006	32.837	-0.002	32.850	-0.002	34.683	-0.191	34.690	-0.204	34.702	-0.208	34.707	-0.204
32.858	-0.002	32.869	0.011	32.874	0.019	32.887	0.032	34.716	-0.187	34.722	-0.183	34.729	-0.157	34.736	-0.144
32.893	0.023	32.907	0.002	32.915	-0.006	32.922	-0.027	34.743	-0.119	34.756	-0.085	34.765	-0.089	34.775	-0.081
32.931	-0.053	32.936	-0.070	32.939	-0.078	32.948	-0.104	34.785	-0.055	34.794	-0.055	34.802	-0.064	34.814	-0.064
32.951	-0.112	32.962	-0.129	32.968	-0.142	32.977	-0.150	34.823	-0.068	34.829	-0.072	34.839	-0.063	34.844	-0.055
32.989	-0.136	33.001	-0.146	33.012	-0.142	33.022	-0.137	34.854	-0.046	34.860	-0.042	34.865	-0.038	34.874	-0.042
33.028	-0.133	33.038	-0.129	33.052	-0.125	33.059	-0.137	34.884	-0.055	34.898	-0.068	34.913	-0.038	34.920	-0.029
33.066	-0.154	33.070	-0.159	33.076	-0.176	33.084	-0.197	34.927	-0.033	34.936	-0.042	34.942	-0.042	34.952	-0.029
33.097	-0.222	33.111	-0.248	33.123	-0.248	33.131	-0.239	34.961	-0.021	34.969	-0.016	34.973	-0.016	34.981	-0.021
33.144	-0.222	33.151	-0.209	33.159	-0.196	33.170	-0.201	34.991	-0.038	35.002	-0.037	35.014	-0.042	35.021	-0.029
33.180	-0.205	33.194	-0.192	33.201	-0.179	33.203	-0.175	35.029	-0.029	35.036	-0.016	35.043	-0.003	35.052	0.005



35.062	0.014	35.070	0.014	35.082	0.005	35.088	0.005	37.203	-0.064	37.217	-0.073	37.228	-0.081	37.244	-0.098
35.100	0.010	35.112	0.005	35.121	-0.003	35.130	0.001	37.255	-0.102	37.269	-0.094	37.285	-0.072	37.296	-0.068
35.136	0.001	35.145	0.014	35.149	0.018	35.159	0.014	37.307	-0.068	37.320	-0.064	37.336	-0.081	37.350	-0.098
35.167	0.006	35.174	0.027	35.183	0.048	35.192	0.057	37.364	-0.106	37.385	-0.114	37.396	-0.093	37.408	-0.097
35.195	0.057	35.201	0.061	35.208	0.069	35.213	0.074	37.420	-0.093	37.431	-0.063	37.446	-0.072	37.457	-0.084
35.219	0.074	35.228	0.065	35.236	0.057	35.246	0.048	37.470	-0.093	37.482	-0.080	37.491	-0.080	37.497	-0.072
35.255	0.040	35.262	0.027	35.267	0.019	35.273	0.066	37.506	-0.063	37.514	-0.059	37.525	-0.042	37.531	-0.059
35.283	-0.003	35.290	-0.007	35.298	-0.015	35.303	-0.019	37.544	-0.076	37.553	-0.080	37.567	-0.088	37.582	-0.088
35.311	-0.032	35.320	-0.036	35.326	-0.032	35.332	-0.028	37.590	-0.093	37.599	-0.092	37.611	-0.088	37.621	-0.071
35.338	-0.024	35.349	-0.024	35.356	-0.015	35.368	-0.019	37.635	-0.058	37.641	-0.041	37.649	-0.033	37.662	-0.016
35.374	-0.036	35.385	-0.036	35.392	-0.028	35.400	-0.011	37.672	-0.020	37.683	-0.029	37.688	-0.037	37.702	-0.058
35.408	-0.011	35.416	-0.002	35.424	-0.006	35.436	-0.011	37.716	-0.062	37.725	-0.075	37.735	-0.092	37.744	-0.096
35.446	-0.015	35.455	-0.015	35.471	-0.015	35.476	-0.022	37.760	-0.092	37.773	-0.075	37.788	-0.062	37.796	-0.054
35.483	-0.032	35.491	-0.036	35.502	-0.027	35.513	-0.015	37.817	-0.062	37.834	-0.079	37.854	-0.070	37.865	-0.079
35.520	-0.015	35.532	-0.010	35.540	-0.010	35.547	-0.027	37.879	-0.049	37.885	-0.049	37.898	-0.041	37.906	-0.028
35.550	-0.031	35.556	-0.036	35.568	-0.040	35.576	-0.027	37.917	-0.002	37.923	0.002	37.936	0.011	37.945	0.015
35.583	-0.014	35.588	-0.010	35.596	-0.010	35.609	-0.010	37.959	0.006	37.968	-0.002	37.980	-0.015	37.988	-0.036
35.616	-0.018	35.621	-0.031	35.628	-0.052	35.635	-0.057	38.000	-0.057	38.019	-0.061	38.029	-0.061	38.042	-0.061
35.641	-0.065	35.654	-0.069	35.661	-0.069	35.673	-0.069	38.054	-0.053	38.071	-0.044	38.084	-0.036	38.095	-0.036
35.680	-0.069	35.687	-0.065	35.696	-0.052	35.706	-0.044	38.108	-0.040	38.116	-0.040	38.125	-0.040	38.140	-0.019
35.719	-0.022	35.728	-0.001	35.736	0.016	35.746	0.024	38.151	-0.014	38.163	-0.006	38.168	-0.001	38.179	0.003
35.754	0.037	35.765	0.046	35.772	0.050	35.782	0.046	38.192	0.003	38.203	-0.006	38.212	-0.014	38.219	-0.031
35.785	0.042	35.798	0.025	35.805	0.008	35.815	-0.018	38.228	-0.039	38.245	0.027	38.259	-0.010	38.268	0.016
35.825	-0.030	35.834	-0.047	35.844	-0.047	35.853	-0.026	38.279	0.037	38.285	0.063	38.297	0.101	38.306	0.109
35.862	-0.022	35.873	-0.009	35.879	0.008	35.888	0.016	38.316	0.114	38.330	0.101	38.338	0.093	38.353	0.067
35.896	0.012	35.907	0.012	35.915	0.017	35.924	0.008	38.360	0.046	38.368	0.029	38.383	0.016	38.401	0.008
35.935	-0.005	35.950	0.004	35.959	0.017	35.968	0.025	38.409	0.016	38.421	0.016	38.430	0.016	38.446	0.025
35.979	0.025	35.987	0.030	35.995	0.051	36.005	0.051	38.452	0.029	38.458	0.044	38.466	0.051	38.474	0.072
36.012	0.042	36.021	0.013	36.031	-0.017	36.041	-0.026	38.481	0.110	38.495	0.119	38.506	0.123	38.516	0.114
36.052	-0.034	36.067	-0.025	36.081	-0.025	36.093	-0.017	38.528	0.097	38.536	0.068	38.543	0.059	38.551	0.038
36.105	-0.017	36.114	-0.008	36.125	-0.012	36.138	0.009	38.562	0.004	38.572	0.004	38.585	0.025	38.598	0.047
36.144	0.026	36.153	0.043	36.161	0.073	36.172	0.107	38.611	0.085	38.623	0.085	38.638	0.094	38.650	0.089
36.182	0.136	36.191	0.158	36.202	0.153	36.213	0.136	38.666	0.081	38.678	0.072	38.692	0.068	38.705	0.077
36.225	0.107	36.237	0.107	36.251	0.120	36.261	0.141	38.717	0.081	38.736	0.073	38.751	0.043	38.765	0.043
36.266	0.145	36.277	0.154	36.289	0.145	36.302	0.137	38.776	0.043	38.790	0.060	38.803	0.081	38.815	0.081
36.314	0.120	36.315	0.107	36.329	0.090	36.340	0.082	38.822	0.086	38.835	0.086	38.850	0.073	38.859	0.052
36.348	0.077	36.365	0.069	36.376	0.078	36.392	0.120	38.869	0.035	38.873	0.018	38.883	0.005	38.898	-0.007
36.399	0.103	36.410	0.120	36.414	0.120	36.425	0.116	38.908	-0.016	38.920	-0.033	38.938	-0.037	38.949	-0.020
36.434	0.107	36.447	0.082	36.461	0.078	36.472	0.065	38.958	0.001	38.973	0.052	38.980	0.069	38.991	0.103
36.479	0.061	36.487	0.040	36.494	0.027	36.503	0.035	39.000	0.120	39.016	0.163	39.030	0.197	39.042	0.205
36.515	0.048	36.533	0.070	36.542	0.078	36.551	0.078	39.056	0.180	39.069	0.180	39.084	0.146	39.099	0.138
36.569	0.104	36.581	0.121	36.591	0.125	36.602	0.146	39.119	0.116	39.130	0.087	39.145	0.057	39.156	0.053
36.610	0.155	36.614	0.155	36.623	0.155	36.632	0.151	39.181	0.049	39.195	0.044	39.207	0.023	39.216	0.015
36.640	0.146	36.653	0.138	36.663	0.117	36.674	0.134	39.224	0.015	39.232	0.002	39.237	-0.023	39.248	-0.049
36.681	0.142	36.695	0.159	36.706	0.168	36.710	0.168	39.261	-0.070	39.273	-0.091	39.282	-0.108	39.289	-0.108
36.721	0.155	36.725	0.147	36.731	0.125	36.740	0.108	39.302	-0.091	39.319	-0.057	39.323	-0.049	39.343	-0.010
36.753	0.100	36.767	0.083	36.779	0.079	36.788	0.079	39.358	0.011	39.374	0.024	39.385	0.028	39.396	0.028
36.799	0.083	36.819	0.075	36.829	0.058	36.836	0.062	39.418	0.011	39.431	-0.014	39.446	-0.018	39.465	-0.031
36.845	0.071	36.859	0.066	36.862	0.071	36.873	0.075	39.480	-0.069	39.495	-0.052	39.500	-0.052	39.515	-0.052
36.883	0.083	36.899	0.083	36.899	0.092	36.908	0.088	39.528	-0.044	39.536	-0.048	39.556	-0.035	39.568	-0.026
36.918	0.075	36.930	0.054	36.941	0.041	36.955	0.045	39.578	-0.035	39.588	-0.026	39.599	-0.014	39.607	-0.001
36.970	0.037	36.982	0.012	36.995	-0.010	37.010	-0.018	39.622	-0.005	39.632	-0.014	39.645	-0.022	39.653	-0.013
37.027	0.012	37.044	0.020	37.049	0.020	37.058	0.050	39.666	-0.022	39.677	-0.018	39.685	-0.026	39.699	-0.047
37.069	0.088	37.078	0.097	37.089	0.101	37.094	0.101	39.711	-0.064	39.726	-0.073	39.732	-0.098	39.744	-0.107
37.104	0.067	37.119	0.029	37.135	-0.009	37.140	-0.022	39.761	-0.060	39.776	-0.060	39.791	-0.030	39.805	-0.004
37.154	-0.052	37.161	-0.073	37.176	-0.077	37.193	-0.064	39.817	0.008	39.830	0.008	39.838	-0.004	39.853	-0.013



39.868	-0.034	39.882	-0.030	39.892	-0.051	39.901	-0.072
39.912	-0.072	39.920	-0.093	39.928	-0.106	39.943	-0.097
39.955	-0.072	39.971	-0.042	39.979	-0.038	39.993	-0.051
40.008	-0.080	40.018	-0.097	40.031	-0.089	40.043	-0.067
40.057	-0.038	40.069	-0.004	40.078	0.022	40.097	0.030
40.110	0.018	40.128	0.009	40.148	-0.008	40.167	-0.037
40.184	-0.029	40.197	-0.033	40.204	-0.050	40.221	-0.046
40.233	-0.028	40.243	-0.028	40.252	-0.020	40.254	-0.020
40.262	-0.024						



71.024 2/9/71 0600PSI L.A. 15250 VENTURA BLVD. BASEMENT DOWN

2750 POINTS 40.329 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 0.2074 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.040	0.005	-0.115	0.008	-0.164	0.012	-0.164	0.802	0.006	0.810	0.108	0.822	0.201	0.822	0.201
0.016	-0.128	0.019	-0.071	0.021	-0.017	0.024	-0.023	0.831	0.166	0.838	0.126	0.852	0.308	0.852	0.308
0.027	0.071	0.029	0.103	0.031	0.147	0.036	0.165	0.858	0.433	0.863	0.553	0.868	0.553	0.870	0.704
0.045	0.138	0.052	0.081	0.056	0.018	0.057	-0.022	0.876	0.748	0.885	0.708	0.891	0.539	0.903	0.335
0.062	-0.053	0.063	-0.084	0.067	-0.102	0.074	-0.084	0.911	0.210	0.923	0.148	0.934	0.033	0.943	-0.865
0.078	-0.058	0.081	-0.027	0.084	-0.009	0.088	0.018	0.951	-0.150	0.957	-0.208	0.962	-0.212	0.968	-0.176
0.095	0.005	0.099	-0.013	0.085	-0.040	0.107	-0.053	0.976	-0.052	0.980	0.041	0.986	0.135	0.990	0.157
0.112	-0.058	0.114	-0.036	0.118	-0.009	0.120	-0.013	0.999	0.233	1.004	0.170	1.010	0.090	1.018	0.6006
0.122	0.058	0.129	0.111	0.134	0.129	0.145	0.147	1.021	-0.021	1.027	0.028	1.035	0.117	1.038	0.170
0.154	0.204	0.160	0.267	0.163	0.324	0.168	0.351	1.046	0.197	1.053	0.133	1.059	0.095	1.068	0.086
0.177	0.364	0.185	0.298	0.191	0.222	0.196	0.173	1.104	0.139	1.113	0.153	1.119	0.161	1.096	0.166
0.198	0.106	0.202	0.053	0.205	0.017	0.209	-0.018	1.104	0.041	1.113	0.153	1.119	0.161	1.096	0.166
0.213	-0.032	0.219	-0.000	0.222	0.053	0.225	0.106	1.131	0.041	1.136	-0.048	1.141	-0.163	1.147	-0.216
0.226	0.168	0.231	0.186	0.237	0.208	0.240	0.155	1.152	-0.239	1.155	-0.225	1.163	-0.123	1.170	-0.056
0.242	0.079	0.244	0.008	0.246	-0.058	0.248	-0.107	1.175	-0.048	1.184	-0.088	1.190	-0.114	1.197	-0.056
0.252	-0.134	0.259	-0.085	0.263	0.013	0.267	0.119	1.205	-0.041	1.212	0.046	1.219	0.104	1.225	0.144
0.270	0.199	0.273	0.262	0.275	0.306	0.280	0.333	1.238	0.131	1.250	0.210	1.256	0.268	1.266	0.330
0.287	0.275	0.291	0.181	0.294	0.075	0.299	-0.028	1.276	0.060	1.284	0.188	1.298	0.148	1.310	0.148
0.302	-0.090	0.304	-0.139	0.308	-0.174	0.320	-0.050	1.318	0.170	1.325	0.188	1.334	0.126	1.339	-0.012
0.327	0.088	0.331	0.164	0.333	0.204	0.339	0.226	1.345	-0.123	1.350	-0.176	1.353	-0.181	1.359	-0.150
0.348	0.190	0.352	0.119	0.359	0.052	0.366	0.003	1.366	-0.070	1.373	-0.043	1.380	-0.074	1.389	-0.114
0.372	0.057	0.377	0.154	0.381	0.194	0.384	0.239	1.397	-0.110	1.406	-0.014	1.417	0.024	1.423	0.095
0.387	0.052	0.395	0.203	0.399	0.128	0.402	0.043	1.428	0.188	1.437	0.074	1.448	0.317	1.459	0.420
0.405	-0.024	0.408	-0.064	0.412	-0.081	0.420	-0.028	1.463	0.464	1.470	0.366	1.475	0.455	1.480	0.384
0.424	0.074	0.426	0.154	0.431	0.176	0.435	0.194	1.489	0.340	1.495	0.389	1.499	0.402	1.507	0.384
0.440	0.159	0.444	0.061	0.449	-0.010	0.456	0.064	1.513	0.322	1.520	0.157	1.526	0.406	1.533	0.029
0.459	-0.073	0.465	-0.033	0.474	0.065	0.481	0.145	1.537	0.082	1.545	0.104	1.557	0.122	1.561	0.055
0.484	0.221	0.490	0.256	0.494	0.269	0.503	0.207	1.569	0.051	1.579	0.002	1.590	-0.038	1.599	-0.122
0.508	0.118	0.513	0.052	0.517	0.020	0.524	0.083	1.605	-0.158	1.615	-0.118	1.623	-0.042	1.627	0.055
0.529	0.207	0.533	0.283	0.537	0.349	0.547	0.243	1.631	0.136	1.637	0.144	1.658	0.200	1.654	0.220
0.552	0.069	0.556	-0.082	0.558	-0.149	0.562	-0.175	1.651	0.158	1.655	0.154	1.687	0.200	1.681	0.056
0.566	-0.144	0.571	-0.046	0.574	0.078	0.575	0.078	1.669	0.113	1.680	0.322	1.687	0.473	1.651	0.558
0.579	0.216	0.584	0.314	0.586	0.371	0.584	0.411	1.669	0.113	1.680	0.322	1.687	0.473	1.651	0.558
0.597	0.438	0.602	0.451	0.609	0.433	0.618	0.304	1.712	0.322	1.718	0.207	1.702	0.585	1.709	0.465
0.623	0.153	0.629	0.073	0.632	0.024	0.635	0.020	1.713	0.158	1.747	0.189	1.729	0.149	1.729	0.131
0.642	0.055	0.653	0.095	0.660	0.042	0.665	-0.007	1.785	0.060	1.791	0.007	1.757	0.207	1.773	0.140
0.669	-0.051	0.675	-0.065	0.681	0.006	0.688	0.095	1.785	0.060	1.791	0.007	1.757	0.207	1.773	0.140
0.693	0.166	0.702	0.220	0.711	0.171	0.718	0.064	1.806	-0.069	1.826	-0.011	1.831	-0.020	1.803	-0.078
0.724	-0.034	0.732	-0.118	0.738	-0.145	0.750	-0.154	1.847	-0.167	1.866	0.123	1.853	0.060	1.866	0.100
0.759	-0.185	0.768	-0.221	0.777	-0.216	0.789	-0.141	1.874	0.167	1.886	0.123	1.895	0.091	1.906	0.083
								1.919	0.149	1.924	0.220	1.932	0.251	1.942	0.287



1.950	0.251	1.956	0.225	1.963	0.256	1.972	0.287	3.759	-0.366	3.165	-0.375	3.771	-0.291	3.778	-0.011
1.979	0.305	1.988	0.238	2.002	0.136	2.012	0.105	3.787	0.234	3.757	0.269	3.805	0.269	3.815	0.429
2.030	0.060	2.040	-0.029	2.047	-0.069	2.053	-0.091	3.819	0.345	3.825	0.611	3.836	0.514	3.841	0.274
2.061	-0.029	2.069	0.069	2.073	0.109	2.078	0.131	3.847	0.029	3.853	-0.042	3.859	-0.024	3.868	-0.002
2.087	0.091	2.095	0.029	2.105	0.003	2.114	0.060	3.875	0.016	3.885	-0.073	3.894	-0.113	3.902	-0.113
2.122	0.131	2.128	0.180	2.144	0.251	2.150	0.291	3.910	0.020	3.922	0.220	3.929	0.318	3.936	0.238
2.156	0.340	2.163	0.363	2.169	0.363	2.178	0.305	3.946	0.060	3.951	0.007	3.956	0.007	3.965	0.118
2.188	0.176	2.198	0.069	2.205	-0.046	2.218	-0.206	3.976	0.229	3.985	0.287	3.999	0.144	4.000	0.042
2.225	-0.273	2.232	-0.313	2.240	-0.264	2.249	-0.135	4.013	-0.260	4.017	-0.331	4.024	-0.220	4.034	0.078
2.254	-0.069	2.263	-0.060	2.269	-0.109	2.275	-0.175	4.042	0.340	4.050	0.402	4.057	0.402	4.060	0.304
2.279	-0.058	2.285	-0.149	2.293	-0.002	2.298	0.114	4.065	0.206	4.071	0.126	4.077	0.095	4.084	0.184
2.305	0.203	2.308	0.252	2.312	0.278	2.319	0.229	4.083	0.300	4.104	0.304	4.111	0.215	4.127	-0.012
2.325	0.127	2.334	0.060	2.340	0.043	2.345	0.096	4.131	-0.038	4.140	0.006	4.149	0.020	4.154	0.012
2.353	0.181	2.357	0.225	2.362	0.252	2.375	0.203	4.164	-0.061	4.165	-0.083	4.175	-0.038	4.180	0.015
2.380	0.190	2.392	0.256	2.402	0.287	2.413	0.221	4.196	0.228	4.203	0.259	4.211	0.242	4.214	0.237
2.418	0.203	2.435	0.203	2.446	0.128	2.451	0.017	4.223	0.299	4.232	0.415	4.238	0.455	4.243	0.402
2.457	-0.095	2.463	-0.139	2.469	-0.130	2.490	-0.063	4.252	0.282	4.267	-0.176	4.275	-0.247	4.284	-0.190
2.507	-0.005	2.517	-0.005	2.523	0.017	2.536	0.119	4.290	-0.061	4.296	0.041	4.303	0.064	4.308	0.033
2.546	0.248	2.548	0.381	2.555	0.448	2.562	0.510	4.317	-0.034	4.323	-0.043	4.326	-0.007	4.342	0.277
2.571	0.524	2.576	0.506	2.583	0.515	2.590	0.528	4.353	0.344	4.361	0.370	4.377	0.317	4.395	0.215
2.598	0.533	2.608	0.471	2.613	0.320	2.619	0.128	4.404	0.099	4.414	-0.145	4.424	-0.252	4.433	-0.132
2.624	0.053	2.630	0.017	2.640	0.111	2.653	0.040	4.437	0.037	4.451	0.666	4.457	0.757	4.465	0.708
2.665	-0.125	2.672	-0.067	2.678	0.031	2.684	0.106	4.476	0.535	4.495	0.086	4.502	-0.034	4.504	-0.061
2.691	0.071	2.698	-0.067	2.702	-0.147	2.709	-0.213	4.513	0.010	4.521	0.051	4.525	-0.130	4.531	0.019
2.715	-0.258	2.719	-0.209	2.731	-0.022	2.742	0.089	4.539	-0.274	4.544	-0.501	4.555	-0.621	4.562	-0.541
2.751	0.125	2.763	0.116	2.776	0.111	2.784	0.174	4.566	-0.399	4.576	0.059	4.583	0.153	4.591	0.193
2.792	0.289	2.798	0.378	2.803	0.400	2.808	0.378	4.594	-0.139	4.598	-0.003	4.605	-0.119	4.610	-0.145
2.814	0.245	2.820	0.138	2.825	0.103	2.831	0.080	4.616	-0.088	4.626	0.161	4.631	0.259	4.640	0.295
2.837	0.125	2.851	0.258	2.862	0.165	2.873	0.000	4.648	0.215	4.657	-0.092	4.669	-0.336	4.675	-0.381
2.881	-0.053	2.893	-0.013	2.904	0.031	2.913	-0.035	4.684	-0.301	4.693	-0.230	4.698	-0.208	4.704	-0.256
2.922	-0.155	2.929	-0.178	2.937	-0.089	2.947	0.085	4.713	-0.399	4.719	-0.434	4.725	-0.385	4.730	-0.288
2.961	0.147	2.978	0.080	3.007	0.138	3.022	0.231	4.748	0.321	4.754	0.393	4.763	0.410	4.778	0.415
3.037	0.298	3.044	0.285	3.055	0.236	3.069	0.098	4.786	0.464	4.790	0.473	4.798	0.401	4.808	0.259
3.075	0.027	3.079	0.018	3.096	0.023	3.102	-0.062	4.815	-0.113	4.824	0.055	4.830	0.050	4.836	0.117
3.108	-0.164	3.113	-0.191	3.116	-0.182	3.122	-0.160	4.845	0.201	4.850	0.224	4.857	0.170	4.865	0.028
3.131	-0.138	3.138	-0.182	3.145	-0.209	3.152	-0.142	4.874	-0.345	4.882	-0.368	4.888	-0.314	4.898	-0.036
3.159	0.098	3.167	0.463	3.174	0.609	3.183	0.545	4.908	0.357	4.914	0.473	4.919	0.490	4.925	0.424
3.190	0.587	3.201	0.458	3.212	0.276	3.218	0.160	4.931	0.250	4.937	-0.021	4.946	-0.159	4.950	-0.096
3.224	0.156	3.229	0.205	3.238	0.276	3.243	0.285	4.954	0.148	4.964	0.690	4.966	0.877	4.970	-0.517
3.249	0.209	3.257	-0.013	3.262	-0.111	3.271	-0.133	4.978	0.810	4.983	0.610	4.995	-0.012	5.003	-0.168
3.273	-0.085	3.283	0.200	3.289	0.329	3.292	0.409	5.012	-0.101	5.023	0.001	5.030	0.024	5.038	-0.056
3.297	0.463	3.305	0.374	3.310	0.249	3.316	0.062	5.051	-0.376	5.056	-0.617	5.061	-0.701	5.068	-0.612
3.320	-0.004	3.326	-0.027	3.335	0.102	3.337	0.280	5.077	-0.114	5.086	0.201	5.094	0.286	5.099	0.237
3.343	0.436	3.345	0.467	3.354	0.485	3.366	0.405	5.107	0.041	5.115	-0.021	5.124	0.068	5.132	0.308
3.381	0.098	3.387	-0.005	3.395	-0.018	3.403	0.040	5.141	0.553	5.147	0.602	5.156	0.544	5.167	0.339
3.418	0.195	3.429	0.338	3.434	0.444	3.446	0.480	5.179	0.184	5.191	0.041	5.204	-0.123	5.221	-0.212
3.452	0.453	3.460	0.382	3.463	0.302	3.469	0.288	5.232	-0.225	5.245	-0.123	5.255	0.273	5.267	0.433
3.480	0.284	3.487	0.235	3.502	-0.263	3.511	-0.552	5.281	0.428	5.294	0.437	5.302	0.348	5.311	0.241
3.517	-0.623	3.525	-0.539	3.534	-0.365	3.543	-0.325	5.319	0.361	5.323	0.530	5.333	0.633	5.336	0.650
3.547	-0.401	3.558	-0.481	3.565	-0.321	3.574	-0.172	5.340	0.593	5.350	0.384	5.357	0.348	5.365	0.397
3.580	0.346	3.587	0.395	3.597	0.390	3.612	0.359	5.375	0.555	5.383	0.379	5.389	0.237	5.396	0.135
3.620	0.181	3.627	0.092	3.632	0.105	3.635	0.221	5.400	0.108	5.407	0.166	5.410	0.201	5.421	0.174
3.642	0.430	3.649	0.586	3.653	0.617	3.663	0.528	5.424	0.170	5.430	0.241	5.439	0.579	5.445	0.666
3.673	0.243	3.682	-0.010	3.690	-0.148	3.696	-0.170	5.451	0.712	5.457	0.659	5.466	0.503	5.472	0.463
3.700	-0.113	3.710	0.123	3.716	0.185	3.724	0.203	5.481	0.512	5.485	0.552	5.493	0.588	5.496	0.530
3.730	0.109	3.739	0.012	3.748	-0.188	3.754	-0.291	5.501	0.330	5.511	0.050	5.515	-0.017	5.530	-0.008



5.538	-0.115	5.543	-0.204	5.552	-0.248	5.569	-0.128	7.470	0.533	7.475	0.555	7.480	0.524	7.489	0.395
5.584	0.027	5.601	0.107	5.621	0.285	5.637	0.383	7.498	-0.010	7.510	-0.037	7.516	-0.370	7.528	-0.433
5.650	0.450	5.658	0.450	5.667	0.392	5.684	0.361	7.533	0.526	7.541	0.731	7.549	-0.904	7.557	-0.949
5.692	0.298	5.706	0.165	5.717	0.054	5.724	0.054	7.565	-0.869	7.571	-0.691	7.575	-0.656	7.591	-0.732
5.728	0.089	5.731	0.160	5.743	0.472	5.749	0.578	7.597	-0.963	7.603	-1.043	7.611	-0.941	7.614	-0.781
5.756	0.627	5.762	0.578	5.773	0.400	5.777	0.312	7.628	0.214	7.632	0.334	7.637	0.463	7.643	0.499
5.783	0.255	5.791	0.334	5.796	0.374	5.800	0.378	7.651	0.396	7.658	0.325	7.661	0.307	7.668	0.387
5.807	0.289	5.817	-0.067	5.826	-0.405	5.832	-0.551	7.689	0.876	7.682	0.991	7.685	1.080	7.692	1.018
5.836	-0.636	5.842	-0.667	5.848	-0.587	5.859	-0.271	7.709	0.831	7.703	0.960	7.709	0.306	7.714	0.182
5.865	0.022	5.877	0.044	5.881	-0.014	5.886	-0.054	7.721	0.155	7.731	0.146	7.735	0.057	7.741	-0.041
5.893	0.048	5.901	0.191	5.907	0.359	5.921	0.493	7.750	-0.183	7.755	-0.044	7.764	-0.135	7.777	-0.042
5.932	0.601	5.934	0.777	5.940	0.897	5.947	0.924	7.781	-0.037	7.786	-0.064	7.807	-0.069	7.821	0.047
5.955	0.790	5.961	0.577	5.967	0.283	5.972	0.061	7.827	0.167	7.836	0.246	7.846	0.255	7.852	0.206
5.981	0.039	5.984	0.105	5.993	0.345	5.997	0.399	7.859	0.077	7.874	0.032	7.881	-0.048	7.893	-0.319
6.000	0.399	6.008	0.310	6.019	0.176	6.028	0.154	7.902	-0.581	7.907	-0.548	7.914	-0.537	7.923	-0.248
6.039	0.260	6.055	0.416	6.062	0.571	6.069	0.714	7.928	-0.208	7.935	-0.249	7.950	-0.604	7.955	-0.653
6.076	0.749	6.085	0.638	6.089	0.416	6.094	0.113	7.961	-0.529	7.975	-0.267	7.995	0.057	8.006	0.186
6.101	-0.032	6.107	-0.145	6.115	-0.034	6.122	0.113	8.014	0.230	8.023	0.268	8.032	0.194	8.041	0.265
6.129	0.157	6.136	0.086	6.146	-0.136	6.151	-0.287	8.049	0.372	8.057	0.376	8.077	0.332	8.089	0.256
6.157	-0.385	6.163	-0.434	6.169	-0.376	6.174	-0.199	8.099	0.211	8.109	0.296	8.123	0.558	8.132	0.655
6.180	0.064	6.189	0.277	6.195	0.335	6.203	0.237	8.145	0.691	8.156	0.677	8.168	0.499	8.180	0.259
6.212	0.028	6.226	-0.199	6.235	-0.181	6.242	-0.088	8.203	0.152	8.213	-0.018	8.226	-0.178	8.236	-0.324
6.252	0.032	6.261	0.076	6.269	0.014	6.282	-0.182	8.245	-0.373	8.251	-0.267	8.260	0.026	8.265	0.138
6.293	-0.200	6.303	-0.111	6.311	-0.035	6.319	-0.022	8.271	0.169	8.277	0.084	8.284	-0.121	8.292	-0.281
6.326	-0.085	6.335	-0.205	6.342	-0.267	6.348	-0.271	8.327	-0.316	8.328	-0.366	8.333	-0.312	8.344	-0.250
6.361	-0.205	6.374	-0.067	6.383	-0.010	6.395	-0.099	8.348	-0.237	8.364	-0.304	8.377	-0.419	8.387	-0.477
6.410	-0.388	6.418	-0.450	6.427	-0.281	6.433	-0.063	8.358	-0.384	8.402	-0.517	8.410	-0.286	8.417	-0.357
6.438	0.057	6.443	0.105	6.449	0.016	6.456	-0.188	8.427	-0.548	8.437	-0.549	8.439	-0.402	8.459	0.185
6.465	-0.033	6.471	-0.451	6.479	-0.282	6.494	-0.015	8.473	0.265	8.503	0.545	8.513	0.678	8.522	0.758
6.517	0.091	6.535	0.269	6.549	0.624	6.558	0.895	8.534	0.673	8.543	0.504	8.548	0.491	8.555	0.535
6.569	0.997	6.579	0.908	6.590	0.659	6.596	0.504	8.558	0.593	8.565	0.602	8.573	0.531	8.580	0.406
6.601	0.490	6.607	0.570	6.619	0.615	6.627	0.495	8.585	0.286	8.592	0.237	8.606	0.215	8.615	0.139
6.640	0.143	6.642	-0.070	6.648	-0.341	6.655	-0.502	8.634	0.077	8.649	0.041	8.663	0.095	8.673	0.232
6.666	-0.551	6.675	-0.488	6.690	-0.297	6.701	-0.258	8.681	0.348	8.692	0.490	8.700	0.539	8.704	0.543
6.710	-0.324	6.725	-0.605	6.729	-0.614	6.737	-0.542	8.717	0.459	8.725	0.179	8.740	-0.079	8.760	-0.248
6.748	-0.085	6.755	-0.000	6.763	-0.063	6.775	-0.463	8.773	-0.329	8.781	-0.346	8.791	-0.275	8.803	-0.138
6.779	-0.494	6.784	-0.436	6.797	-0.099	6.804	0.030	8.816	0.062	8.828	0.116	8.839	0.089	8.850	0.071
6.815	0.035	6.827	0.203	6.833	0.359	6.835	0.439	8.856	0.124	8.867	0.155	8.874	0.208	8.886	0.137
6.842	0.525	6.858	0.790	6.869	0.861	6.872	0.879	8.900	-0.050	8.911	-0.152	8.921	-0.157	8.939	-0.130
6.883	0.798	6.895	0.540	6.910	0.189	6.925	0.051	8.947	-0.139	8.958	-0.235	8.973	-0.571	8.982	-0.629
6.931	0.038	6.939	0.091	6.956	0.344	6.965	0.384	8.990	-0.544	9.002	-0.389	9.010	-0.331	9.030	-0.291
6.975	0.299	6.990	0.157	6.998	0.135	7.004	0.219	9.038	-0.154	9.049	0.011	9.060	0.229	9.070	0.251
7.015	0.401	7.026	0.441	7.028	0.374	7.036	0.237	9.079	0.211	9.087	0.073	9.094	0.015	9.104	0.059
7.045	-0.048	7.054	-0.221	7.062	-0.257	7.069	-0.168	9.114	0.148	9.130	0.117	9.149	0.023	9.158	0.142
7.086	0.094	7.096	0.111	7.103	0.076	7.113	0.049	9.164	-0.226	9.174	-0.275	9.182	-0.186	9.196	0.167
7.119	-0.062	7.125	0.013	7.139	0.222	7.143	0.244	9.201	0.325	9.210	0.356	9.221	0.289	9.233	0.169
7.153	0.115	7.161	-0.152	7.169	-0.325	7.172	-0.387	9.246	0.155	9.251	0.253	9.270	0.431	9.280	0.462
7.181	-0.521	7.184	-0.258	7.199	0.030	7.204	0.132	9.287	0.317	9.302	0.146	9.312	0.057	9.322	0.163
7.219	0.208	7.225	0.288	7.241	0.417	7.252	0.474	9.334	0.354	9.342	0.403	9.356	0.336	9.360	0.238
7.266	0.365	7.278	0.265	7.281	0.207	7.284	0.203	9.366	0.259	9.375	0.273	9.384	-0.270	9.431	-0.537
7.289	0.185	7.299	0.300	7.305	0.340	7.316	0.251	9.402	0.268	9.419	0.109	9.428	-0.204	9.462	-0.111
7.325	0.100	7.339	0.100	7.339	0.171	7.347	0.375	9.438	-0.546	9.448	-0.409	9.454	-0.218	9.451	-0.236
7.354	0.562	7.361	0.666	7.373	0.584	7.385	0.325	9.470	-0.102	9.477	-0.169	9.486	-0.077	9.524	-0.113
7.391	0.152	7.394	0.148	7.401	0.245	7.407	0.458	9.497	-0.174	9.505	-0.090	9.512	-0.077	9.524	-0.113
7.412	0.091	7.420	0.560	7.426	0.560	7.432	0.894	9.532	-0.113	9.540	-0.100	9.543	-0.062	9.551	-0.135
7.438	0.769	7.447	0.484	7.458	0.404	7.464	0.471	9.561	-0.256	9.568	-0.336	9.575	-0.363	9.585	-0.305



9.593	-0.154	9.605	0.010	9.611	0.068	9.621	0.050	12.511	0.111	12.525	0.373	12.540	0.484	12.557	0.332
9.629	0.014	9.634	0.023	9.644	0.067	9.652	0.142	12.569	0.128	12.580	0.368	12.602	0.484	12.611	0.132
9.656	0.169	9.668	0.147	9.684	0.119	9.697	0.106	12.622	0.061	12.633	0.021	12.647	0.109	12.665	0.207
9.711	-0.014	9.729	-0.299	9.738	-0.411	9.748	-0.415	12.678	0.074	12.690	-0.118	12.704	-0.256	12.728	-0.207
9.757	-0.331	9.771	-0.078	9.789	-0.038	9.815	0.325	12.747	-0.145	12.770	-0.212	12.785	-0.256	12.815	-0.283
9.830	0.405	9.848	0.614	9.854	0.649	9.865	0.537	12.833	-0.453	12.863	-0.156	12.863	-0.555	12.883	-0.355
9.879	0.346	9.897	0.257	9.918	0.220	9.929	0.136	12.904	-0.249	12.925	-0.156	12.946	-0.094	12.968	-0.183
9.939	0.015	9.947	0.066	9.952	0.046	9.965	0.201	12.979	-0.677	12.994	0.039	13.015	-0.024	13.032	0.074
9.971	0.250	9.980	0.205	9.997	0.129	10.015	0.138	13.048	0.069	13.064	0.038	13.078	-0.011	13.092	-0.007
10.028	0.049	10.035	-0.009	10.041	-0.041	10.049	0.061	13.110	-0.083	13.121	0.015	13.155	0.108	13.168	0.028
10.063	0.199	10.073	0.207	10.081	0.141	10.097	-0.056	13.192	-0.093	13.213	-0.054	13.236	-0.102	13.251	-0.147
10.102	-0.060	10.108	-0.007	10.130	0.277	10.140	0.330	13.271	-0.201	13.293	-0.125	13.312	-0.054	13.326	0.114
10.151	0.254	10.160	0.263	10.175	0.400	10.182	0.556	13.346	0.265	13.361	0.154	13.380	0.091	13.405	0.059
10.152	0.609	10.200	0.546	10.219	0.123	10.235	0.061	13.418	-0.043	13.434	0.150	13.453	-0.217	13.470	-0.035
10.248	0.069	10.260	-0.002	10.273	-0.154	10.288	-0.234	13.488	0.116	13.511	0.084	13.532	0.213	13.546	0.279
10.258	-0.243	10.315	-0.150	10.330	-0.142	10.345	-0.035	13.566	0.048	13.585	-0.108	13.605	-0.106	13.629	-0.128
10.359	0.040	10.367	-0.076	10.382	-0.232	10.394	-0.272	13.646	0.029	13.663	0.108	13.677	-0.016	13.689	-0.047
10.400	-0.210	10.414	-0.068	10.423	-0.037	10.432	-0.100	13.706	-0.208	13.726	-0.280	13.748	-0.187	13.765	-0.218
10.442	-0.233	10.450	-0.238	10.456	-0.176	10.475	0.041	13.785	-0.009	13.799	0.119	13.820	0.106	13.848	0.047
10.483	0.104	10.492	0.054	10.503	-0.084	10.513	-0.248	13.868	0.056	13.891	0.051	13.917	-0.029	13.937	0.095
10.523	-0.324	10.540	-0.089	10.550	0.169	10.563	0.248	13.954	0.148	13.971	0.157	13.986	0.090	13.994	0.072
10.577	0.137	10.598	0.145	10.610	0.038	10.623	-0.042	14.006	0.129	14.026	0.218	14.044	0.102	14.059	0.057
10.637	0.064	10.654	0.148	10.667	0.192	10.680	0.330	14.078	0.177	14.094	0.275	14.118	0.230	14.136	0.332
10.650	0.392	10.702	0.298	10.713	0.227	10.722	0.351	14.153	0.438	14.172	0.467	14.195	0.455	14.214	0.513
10.734	0.484	10.750	0.435	10.768	0.390	10.780	0.292	14.241	0.512	14.255	0.605	14.272	0.303	14.290	0.264
10.793	0.136	10.803	0.051	10.817	-0.060	10.826	-0.047	14.306	0.169	14.322	0.018	14.337	-0.089	14.351	-0.125
10.837	0.046	10.847	0.068	10.862	0.046	10.876	0.068	14.371	-0.037	14.386	0.043	14.406	-0.073	14.419	-0.086
10.941	-0.013	10.945	-0.085	10.951	-0.174	10.963	-0.263	14.447	0.015	14.464	0.043	14.479	-0.092	14.495	0.041
10.934	-0.174	10.984	0.057	10.992	0.252	11.000	0.350	14.510	0.081	14.526	0.041	14.547	0.276	14.562	0.373
11.013	0.377	11.022	0.301	11.028	0.212	11.043	0.091	14.586	0.262	14.606	0.359	14.621	0.509	14.635	0.350
11.061	0.104	11.079	0.077	11.099	0.028	11.115	0.144	14.653	0.310	14.668	0.434	14.683	0.509	14.698	0.371
11.130	0.250	11.140	0.232	11.152	0.130	11.161	0.089	14.717	0.260	14.741	0.317	14.764	0.241	14.790	0.267
11.172	0.160	11.181	0.285	11.197	0.382	11.207	0.266	14.813	0.271	14.839	0.181	14.857	0.110	14.867	0.021
11.221	0.084	11.229	0.039	11.245	0.052	11.267	0.110	14.877	0.003	14.898	0.064	14.913	0.042	14.930	0.028
11.287	0.020	11.298	0.011	11.313	0.145	11.332	0.229	14.949	0.023	14.969	0.031	14.979	-0.071	14.997	-0.156
11.361	0.246	11.373	0.153	11.384	0.117	11.401	0.290	15.008	-0.152	15.020	-0.063	15.036	0.021	15.059	-0.016
11.412	0.370	11.429	0.352	11.447	0.405	11.464	0.463	15.073	0.006	15.085	0.104	15.098	0.201	15.119	0.192
11.477	0.356	11.486	0.200	11.499	0.071	11.513	0.240	15.135	0.262	15.160	0.275	15.193	0.323	15.205	0.229
11.528	0.356	11.540	0.253	11.556	0.071	11.574	0.057	15.217	0.131	15.242	0.122	15.266	0.081	15.288	0.045
11.593	-0.010	11.611	-0.188	11.625	-0.303	11.640	-0.148	15.318	0.062	15.343	0.079	15.365	0.096	15.381	0.078
11.658	0.007	11.675	-0.104	11.685	-0.166	11.699	-0.033	15.397	0.198	15.410	0.266	15.426	0.312	15.444	0.250
11.717	0.127	11.726	0.007	11.741	-0.127	11.758	-0.029	15.460	0.147	15.476	0.236	15.490	0.280	15.508	0.188
11.773	-0.038	11.785	-0.074	11.800	0.206	11.809	0.370	15.527	0.065	15.548	0.131	15.563	0.149	15.586	0.135
11.839	0.437	11.831	0.290	11.844	0.165	11.857	0.241	15.615	0.165	15.636	-0.018	15.648	-0.134	15.663	-0.245
11.872	0.379	11.884	0.396	11.899	0.369	11.919	0.525	15.686	-0.290	15.714	-0.255	15.730	-0.202	15.746	-0.114
11.927	0.543	11.938	0.405	11.945	0.240	11.956	0.067	15.767	-0.106	15.780	-0.164	15.798	-0.191	15.821	-0.113
11.968	0.120	11.981	0.266	11.993	0.280	12.006	0.155	15.839	-0.218	15.855	-0.223	15.865	-0.125	15.884	-0.090
12.020	-0.066	12.038	-0.005	12.056	-0.081	12.080	-0.059	15.902	-0.117	15.920	-0.055	15.945	-0.091	15.959	-0.185
12.095	-0.023	12.109	0.185	12.117	0.365	12.129	0.470	15.975	-0.252	15.987	-0.176	15.997	-0.057	16.010	-0.021
12.143	0.412	12.163	0.434	12.179	0.363	12.193	0.256	16.025	-0.088	16.040	-0.182	16.055	-0.124	16.071	-0.111
12.233	0.238	12.237	0.238	12.253	0.157	12.266	0.055	16.086	-0.200	16.100	-0.272	16.117	-0.201	16.133	-0.095
12.282	-0.070	12.299	-0.114	12.321	-0.048	12.345	0.010	16.149	-0.073	16.165	0.029	16.178	0.065	16.192	-0.007
12.363	0.023	12.360	-0.062	12.391	-0.048	12.399	0.058	16.203	-0.029	16.225	0.064	16.253	-0.012	16.265	-0.053
12.410	-0.134	12.420	0.040	12.428	-0.182	12.440	-0.351	16.288	-0.040	16.306	-0.084	16.328	-0.058	16.351	-0.069
12.453	-0.307	12.464	-0.165	12.481	0.040	12.495	0.066	16.372	0.004	16.396	0.052	16.413	0.065	16.432	0.154
								16.450	0.203	16.463	0.149	16.483	0.073	16.504	0.086



16.528	0.099	16.547	0.015	16.574	-0.048	16.591	0.019	21.348	-0.184	21.356	-0.180	21.380	-0.229	21.390	-0.225
16.615	0.121	16.634	0.071	16.650	0.071	16.668	0.124	21.415	-0.185	21.422	-0.141	21.444	-0.114	21.470	-0.062
16.689	0.040	16.712	0.021	16.731	0.057	16.755	0.132	21.480	-0.066	21.491	-0.102	21.502	-0.111	21.513	-0.058
16.783	0.096	16.796	0.109	16.812	0.225	16.824	0.233	21.542	-0.058	21.558	-0.036	21.577	-0.041	21.602	-0.023
16.838	0.135	16.859	0.144	16.880	0.068	16.898	0.028	21.613	0.030	21.633	0.069	21.651	0.056	21.671	0.073
16.923	0.077	16.937	0.041	16.951	0.023	16.966	0.081	21.690	0.051	21.711	0.117	21.725	0.170	21.754	0.183
16.978	0.081	16.998	0.049	17.012	-0.005	17.026	0.030	21.767	0.201	21.784	0.187	21.799	0.218	21.815	0.222
17.167	-0.042	17.175	0.007	17.194	0.043	17.212	0.002	21.830	0.187	21.852	0.144	21.867	0.120	21.884	0.093
17.229	0.047	17.241	0.069	17.260	-0.003	17.281	0.033	21.904	0.093	21.932	0.084	21.954	0.057	21.978	0.074
17.307	0.104	17.324	-0.026	17.341	-0.083	17.363	-0.048	21.954	0.070	22.013	0.038	22.026	0.035	22.046	0.047
17.399	-0.044	17.419	0.023	17.440	0.031	17.456	0.079	22.071	0.096	22.103	0.127	22.130	0.135	22.145	0.131
17.476	0.062	17.497	0.031	17.513	-0.018	17.529	0.079	22.225	-0.106	22.240	-0.155	22.249	0.028	22.199	0.006
17.549	0.208	17.571	0.110	17.594	0.092	17.624	0.105	22.256	-0.128	22.266	-0.057	22.307	-0.058	22.266	-0.177
17.655	0.065	17.688	0.154	17.712	0.118	17.732	0.006	22.339	-0.138	22.355	-0.102	22.370	0.076	22.386	0.076
17.745	-0.038	17.767	0.073	17.794	0.130	17.819	0.170	22.401	-0.058	22.425	-0.058	22.439	-0.067	22.457	0.072
17.840	0.161	17.867	0.156	17.895	0.196	17.921	0.204	22.469	-0.125	22.481	-0.108	22.493	-0.050	22.502	-0.028
17.953	0.208	17.974	0.124	17.998	0.163	18.019	0.123	22.517	-0.068	22.530	-0.086	22.540	-0.081	22.552	-0.028
18.043	0.212	18.061	0.291	18.085	0.318	18.109	0.362	22.566	-0.001	22.579	-0.024	22.592	-0.037	22.604	-0.015
18.132	0.259	18.151	0.255	18.175	0.325	18.201	0.281	22.616	0.012	22.633	-0.042	22.650	-0.029	22.673	-0.060
18.225	0.267	18.244	0.218	18.262	0.177	18.282	0.173	22.682	-0.064	22.700	-0.113	22.715	-0.096	22.729	-0.060
18.256	0.101	18.314	0.066	18.338	0.110	18.360	0.034	22.748	-0.063	22.770	-0.070	22.778	-0.087	22.793	-0.052
18.383	0.002	18.415	-0.016	18.436	-0.070	18.459	-0.075	22.802	-0.025	22.829	-0.128	22.853	-0.092	22.869	-0.088
18.492	-0.124	18.515	-0.195	18.534	-0.236	18.552	-0.178	22.865	-0.075	22.885	-0.053	22.908	-0.048	22.925	-0.000
18.578	-0.156	18.596	-0.201	18.605	-0.179	18.624	-0.228	22.946	-0.040	22.955	-0.071	22.969	-0.031	22.979	-0.005
18.644	-0.157	18.663	-0.278	18.684	-0.345	18.702	-0.372	22.996	0.013	23.013	-0.018	23.037	-0.032	23.057	-0.076
18.726	-0.217	18.749	-0.217	18.767	-0.106	18.788	0.005	23.080	-0.081	23.101	-0.051	23.117	-0.060	23.124	-0.130
18.804	-0.080	18.830	-0.076	18.850	-0.067	18.882	-0.098	23.139	-0.082	23.151	-0.071	23.170	-0.060	23.181	-0.073
18.910	-0.094	18.938	-0.023	18.961	-0.081	18.986	-0.126	23.197	-0.051	23.218	-0.016	23.231	-0.002	23.249	-0.038
19.014	-0.171	19.049	-0.046	19.064	-0.038	19.088	-0.145	23.336	-0.052	23.355	-0.014	23.357	-0.083	23.319	-0.065
19.119	-0.167	19.152	-0.176	19.175	-0.159	19.196	-0.043	23.383	-0.132	23.395	-0.133	23.411	-0.146	23.429	-0.155
19.213	0.014	19.247	0.019	19.268	0.072	19.289	0.112	23.444	-0.115	23.455	-0.102	23.474	-0.151	23.491	-0.152
19.323	0.085	19.353	0.107	19.394	0.088	19.408	0.066	23.517	-0.236	23.538	-0.254	23.591	-0.196	23.616	-0.152
19.427	0.177	19.451	0.221	19.465	0.168	19.486	0.225	23.640	-0.163	23.667	-0.141	23.686	-0.152	23.706	-0.152
19.508	0.256	19.525	0.336	19.540	0.314	19.567	0.398	23.731	-0.073	23.761	-0.051	23.776	-0.060	23.785	-0.051
19.587	0.318	19.605	0.287	19.624	0.246	19.645	0.233	23.807	0.065	23.821	0.109	23.838	-0.031	23.867	0.127
19.664	0.282	19.681	0.224	19.689	0.210	19.703	0.259	23.889	0.096	23.906	0.109	23.918	0.118	23.945	0.073
19.721	0.303	19.741	0.250	19.762	0.210	19.785	0.236	24.047	0.140	24.058	0.153	24.080	0.149	24.027	0.158
19.806	0.231	19.820	0.151	19.843	0.115	19.865	0.008	24.134	0.104	24.167	0.068	24.184	0.024	24.217	-0.003
19.898	-0.006	19.934	-0.015	19.967	0.068	19.986	0.046	24.248	-0.007	24.266	0.019	24.275	-0.033	24.285	-0.006
20.005	0.019	20.029	-0.017	20.049	-0.017	20.076	-0.009	24.300	-0.043	24.324	-0.025	24.346	-0.039	24.375	-0.057
20.100	-0.067	20.126	-0.090	20.150	-0.095	20.175	-0.100	24.395	-0.035	24.418	-0.066	24.443	-0.053	24.469	-0.106
20.191	-0.073	20.210	-0.145	20.233	-0.123	20.255	-0.168	24.451	-0.102	24.515	-0.128	24.542	-0.093	24.567	-0.106
20.279	-0.182	20.301	-0.173	20.319	-0.094	20.341	-0.023	24.580	-0.129	24.554	-0.111	24.610	-0.084	24.635	-0.138
20.361	-0.037	20.397	-0.008	20.428	-0.035	20.448	-0.040	24.648	-0.142	24.676	-0.111	24.704	-0.058	24.726	-0.072
20.472	0.003	20.499	-0.002	20.529	-0.016	20.544	0.059	24.770	-0.065	24.756	-0.059	24.820	-0.081	24.834	-0.090
20.564	0.062	20.579	0.048	20.605	0.056	20.640	0.091	24.857	-0.037	24.874	-0.066	24.900	-0.038	24.920	-0.082
20.655	0.130	20.677	0.161	20.705	0.155	20.738	0.119	24.944	-0.032	24.970	-0.074	25.006	-0.039	25.036	0.023
20.760	0.078	20.783	0.073	20.810	0.036	20.839	0.056	25.050	0.023	25.081	-0.013	25.112	-0.009	25.131	0.008
20.867	-0.052	20.893	-0.125	20.917	-0.189	20.953	-0.245	25.165	-0.038	25.194	-0.024	25.241	-0.016	25.260	0.006
21.029	-0.201	21.033	-0.205	21.047	-0.255	21.063	-0.309	25.275	-0.038	25.290	-0.074	25.317	-0.065	25.338	-0.092
21.092	-0.284	21.114	-0.276	21.123	-0.259	21.145	-0.237	25.347	-0.102	25.368	-0.057	25.382	-0.062	25.423	-0.094
21.164	-0.201	21.177	-0.175	21.188	-0.175	21.208	-0.210	25.445	-0.130	25.474	-0.077	25.510	-0.077	25.548	-0.149
21.229	-0.246	21.245	-0.259	21.259	-0.299	21.275	-0.313	25.513	-0.136	25.596	-0.150	25.628	-0.124	25.648	-0.146
21.264	-0.273	21.293	-0.246	21.305	-0.228	21.332	-0.211								



25.665	-0.213	25.677	-0.231	25.703	-0.178	25.730	-0.161	31.233	-0.032	31.247	-0.059	31.259	-0.042	31.268	-0.051
25.758	-0.095	25.779	-0.090	25.794	-0.068	25.811	-0.091	31.279	-0.127	31.295	-0.159	31.301	-0.155	31.316	-0.115
25.839	0.002	25.871	0.060	25.896	0.064	25.924	0.121	31.336	-0.147	31.342	-0.168	31.383	-0.139	31.400	-0.122
25.948	0.099	25.988	0.156	26.012	0.156	26.047	0.173	31.410	-0.105	31.432	-0.163	31.442	-0.186	31.482	-0.236
26.085	0.164	26.109	0.173	26.150	0.101	26.195	0.029	31.500	-0.210	31.513	-0.241	31.535	-0.220	31.563	-0.221
26.253	0.011	26.291	-0.070	26.322	-0.056	26.346	-0.114	31.585	-0.248	31.667	-0.251	31.694	-0.238	31.711	-0.279
26.373	-0.114	26.396	-0.186	26.419	-0.208	26.443	-0.199	31.725	-0.279	31.734	-0.262	31.750	-0.224	31.764	-0.271
26.475	-0.217	26.492	-0.226	26.519	-0.257	26.559	-0.266	31.765	-0.268	31.797	-0.255	31.812	-0.224	31.825	-0.202
26.595	-0.253	26.604	-0.222	26.625	-0.240	26.640	-0.269	31.841	-0.198	31.853	-0.185	31.862	-0.172	31.876	-0.181
26.670	-0.236	26.683	-0.227	26.700	-0.249	26.721	-0.272	31.892	-0.199	31.905	-0.190	31.921	-0.195	31.932	-0.173
26.777	-0.232	26.816	-0.201	26.846	-0.232	26.865	-0.241	31.945	-0.142	31.968	-0.174	32.000	-0.107	32.017	-0.117
26.872	-0.223	26.887	-0.187	26.900	-0.183	26.926	-0.205	32.030	-0.121	32.048	-0.082	32.058	-0.082	32.080	-0.087
26.953	-0.161	26.976	-0.107	27.032	-0.067	27.055	-0.084	32.092	-0.096	32.111	-0.083	32.129	-0.070	32.148	-0.048
27.079	0.026	27.107	0.049	27.127	0.084	27.171	0.076	32.167	-0.057	32.181	-0.040	32.196	-0.000	32.208	-0.000
27.212	0.098	27.236	0.120	27.255	0.156	27.277	0.129	32.225	-0.014	32.240	0.004	32.253	0.030	32.264	0.043
27.295	0.178	27.320	0.187	27.336	0.143	27.381	0.138	32.281	0.034	32.294	0.043	32.305	0.056	32.321	0.038
27.416	0.085	27.440	0.081	27.461	0.081	27.486	0.027	32.333	0.007	32.347	0.060	32.359	0.069	32.378	0.043
27.519	0.014	27.549	-0.044	27.573	-0.052	27.610	-0.106	32.394	0.007	32.415	0.016	32.442	0.029	32.463	0.007
27.661	-0.163	27.697	-0.194	27.738	-0.225	27.790	-0.225	32.484	0.034	32.495	0.025	32.517	-0.024	32.533	-0.020
27.807	-0.230	27.832	-0.283	27.892	-0.266	27.912	-0.248	32.547	-0.011	32.565	-0.060	32.581	-0.064	32.601	-0.095
27.927	-0.212	27.945	-0.239	27.956	-0.266	27.977	-0.271	32.625	-0.082	32.639	-0.122	32.660	-0.082	32.678	-0.060
28.023	-0.151	28.055	-0.115	28.072	-0.098	28.090	-0.111	32.690	-0.078	32.704	-0.126	32.717	-0.144	32.734	-0.122
28.107	-0.080	28.122	-0.031	28.138	-0.018	28.163	-0.027	32.753	-0.140	32.771	-0.193	32.788	-0.158	32.810	-0.184
28.177	-0.000	28.198	-0.023	28.215	-0.000	28.247	0.026	32.822	-0.193	32.838	-0.157	32.858	-0.166	32.882	-0.188
28.269	0.017	28.311	0.093	28.344	0.123	28.381	0.127	32.904	-0.233	32.929	-0.277	32.939	-0.282	32.962	-0.246
28.406	0.180	28.432	0.207	28.448	0.238	28.462	0.247	32.989	-0.233	33.016	-0.215	33.034	-0.219	33.055	-0.277
28.474	0.193	28.515	0.219	28.554	0.250	28.600	0.193	33.088	-0.281	33.112	-0.250	33.134	-0.203	33.155	-0.255
28.676	0.124	28.703	0.084	28.728	0.088	28.750	0.061	33.193	-0.254	33.212	-0.241	33.235	-0.254	33.250	-0.237
28.779	0.097	28.809	0.092	28.824	0.078	28.850	0.060	33.264	-0.241	33.277	-0.250	33.295	-0.219	33.318	-0.223
28.851	0.060	28.917	0.015	28.955	-0.007	28.987	-0.012	33.346	-0.188	33.375	-0.266	33.395	-0.179	33.405	-0.170
29.036	-0.088	29.065	-0.102	29.080	-0.129	29.136	-0.089	33.425	-0.170	33.445	-0.121	33.473	-0.135	33.497	-0.104
29.210	-0.103	29.269	-0.113	29.318	-0.185	29.333	-0.194	33.521	-0.126	33.544	-0.131	33.558	-0.131	33.578	-0.091
29.362	-0.176	29.386	-0.190	29.407	-0.203	29.433	-0.186	33.607	-0.091	33.633	-0.051	33.657	-0.060	33.703	-0.034
29.457	-0.204	29.487	-0.191	29.505	-0.164	29.541	-0.200	33.726	-0.065	33.736	-0.056	33.758	-0.019	33.768	-0.028
29.559	-0.232	29.584	-0.236	29.604	-0.249	29.631	-0.223	33.776	0.015	33.792	-0.034	33.807	-0.052	33.818	-0.039
29.664	-0.232	29.686	-0.215	29.705	-0.219	29.723	-0.231	33.833	-0.025	33.848	-0.048	33.862	-0.088	33.870	-0.076
29.781	-0.233	29.798	-0.233	29.831	-0.278	29.847	-0.231	33.885	-0.066	33.896	0.001	33.910	-0.019	33.926	-0.010
29.870	-0.256	29.928	-0.257	29.954	-0.262	29.978	-0.231	33.936	0.023	33.947	0.081	33.959	0.107	33.973	-0.057
29.958	-0.240	30.018	-0.200	30.047	-0.223	30.060	-0.187	33.987	-0.008	33.999	-0.039	34.015	-0.008	34.038	-0.053
30.081	-0.232	30.098	-0.187	30.116	-0.192	30.134	-0.192	34.050	-0.080	34.070	-0.009	34.082	-0.031	34.122	0.027
30.158	-0.175	30.182	-0.148	30.191	-0.171	30.218	-0.153	34.145	0.049	34.162	0.049	34.175	-0.014	34.192	-0.045
30.233	-0.113	30.253	-0.114	30.270	-0.092	30.295	-0.083	34.216	-0.032	34.229	0.013	34.240	0.039	34.261	-0.014
30.307	-0.083	30.333	-0.119	30.350	-0.146	30.378	-0.093	34.285	-0.059	34.313	-0.061	34.334	-0.112	34.371	-0.099
30.408	-0.089	30.426	-0.040	30.440	-0.013	30.455	-0.018	34.394	-0.072	34.415	-0.065	34.450	-0.108	34.469	-0.148
30.468	-0.009	30.482	-0.023	30.457	-0.090	30.507	-0.076	34.478	-0.170	34.496	-0.152	34.516	-0.139	34.529	-0.103
30.516	-0.027	30.530	-0.014	30.541	-0.077	30.570	-0.019	34.549	-0.108	34.568	-0.085	34.581	-0.121	34.598	-0.121
30.578	-0.001	30.602	-0.024	30.623	0.007	30.646	0.007	34.614	-0.143	34.632	-0.188	34.663	-0.214	34.683	-0.201
30.656	0.042	30.663	0.060	30.677	0.015	30.693	0.019	34.695	-0.250	34.710	-0.268	34.722	-0.241	34.765	-0.179
30.706	0.068	30.743	0.067	30.758	0.044	30.786	0.057	34.754	-0.161	34.805	-0.179	34.829	-0.228	34.854	-0.268
30.799	0.052	30.824	0.092	30.841	0.047	30.861	0.131	34.870	-0.241	34.884	-0.223	34.896	-0.232	34.918	-0.232
30.869	0.158	30.887	0.113	30.904	0.117	30.931	0.161	34.934	-0.210	34.949	-0.157	34.962	-0.232	34.973	-0.286
30.938	0.174	30.960	0.116	30.975	0.124	30.992	0.146	34.988	-0.272	34.998	-0.237	35.008	-0.224	35.026	-0.264
31.014	0.097	31.022	0.066	31.046	0.101	31.064	0.100	35.051	-0.259	35.066	-0.277	35.095	-0.215	35.130	-0.206
31.089	0.020	31.110	0.068	31.110	0.113	31.119	0.072	35.158	-0.242	35.176	-0.206	35.190	-0.179	35.223	-0.215
31.131	-0.003	31.142	-0.013	31.153	0.032	31.161	0.054	35.242	-0.211	35.259	-0.175	35.273	-0.162	35.290	-0.157
31.180	0.018	31.194	-0.000	31.207	0.022	31.221	0.008	35.313	-0.118	35.336	-0.149	35.349	-0.162	35.372	-0.140



35.397	-0.118	35.412	-0.087	35.425	-0.020	35.437	-0.007
35.456	-0.038	35.473	-0.078	35.484	-0.078	35.497	-0.047
35.514	-0.047	35.533	-0.078	35.562	-0.083	35.594	-0.158
35.613	-0.140	35.633	-0.092	35.663	-0.056	35.692	-0.034
35.709	-0.007	35.740	-0.052	35.773	-0.034	35.808	-0.056
35.834	-0.034	35.867	-0.088	35.889	-0.075	35.910	-0.048
35.936	-0.048	35.965	-0.057	36.011	-0.097	36.038	-0.129
36.052	-0.129	36.087	-0.071	36.108	-0.049	36.133	-0.085
36.153	-0.085	36.176	-0.116	36.203	-0.107	36.232	-0.089
36.262	-0.112	36.286	-0.147	36.300	-0.125	36.330	-0.157
36.366	-0.117	36.384	-0.099	36.410	-0.140	36.435	-0.131
36.447	-0.109	36.470	-0.167	36.492	-0.149	36.499	-0.127
36.512	-0.109	36.533	-0.141	36.547	-0.141	36.565	-0.123
36.587	-0.163	36.631	-0.186	36.665	-0.124	36.691	-0.102
36.712	-0.098	36.736	-0.138	36.764	-0.116	36.814	-0.112
36.839	-0.139	36.853	-0.135	36.890	-0.081	36.915	-0.090
36.966	-0.086	36.980	-0.046	37.013	-0.078	37.030	-0.082
37.044	-0.065	37.074	-0.132	37.097	-0.141	37.122	-0.119
37.146	-0.136	37.160	-0.114	37.181	-0.070	37.198	-0.066
37.226	-0.115	37.255	-0.079	37.318	-0.080	37.344	-0.124
37.396	-0.120	37.419	-0.116	37.449	-0.085	37.489	-0.107
37.516	-0.161	37.528	-0.156	37.548	-0.112	37.574	-0.148
37.591	-0.148	37.608	-0.126	37.626	-0.152	37.647	-0.161
37.673	-0.152	37.688	-0.188	37.702	-0.206	37.719	-0.166
37.727	-0.144	37.745	-0.166	37.789	-0.149	37.815	-0.158
37.842	-0.131	37.867	-0.167	37.924	-0.127	37.962	-0.150
37.974	-0.163	37.988	-0.141	38.000	-0.124	38.017	-0.151
38.030	-0.177	38.045	-0.160	38.061	-0.133	38.081	-0.160
38.097	-0.178	38.116	-0.138	38.128	-0.125	38.151	-0.125
38.170	-0.081	38.192	-0.054	38.201	-0.134	38.216	-0.117
38.233	-0.090	38.252	-0.108	38.267	-0.148	38.293	-0.140
38.315	-0.167	38.327	-0.162	38.347	-0.123	38.376	-0.132
38.404	-0.097	38.421	-0.075	38.440	-0.115	38.453	-0.133
38.476	-0.102	38.532	-0.152	38.556	-0.152	38.607	-0.139
38.648	-0.100	38.668	-0.122	38.675	-0.149	38.703	-0.127
38.728	-0.176	38.734	-0.185	38.756	-0.159	38.804	-0.129
38.865	-0.071	38.887	-0.102	38.916	-0.085	38.950	-0.129
38.967	-0.134	38.987	-0.089	39.020	-0.130	39.056	-0.148
39.113	-0.121	39.174	-0.095	39.227	-0.135	39.262	-0.126
39.293	-0.149	39.362	-0.109	39.376	-0.157	39.434	-0.135
39.458	-0.144	39.472	-0.166	39.484	-0.175	39.517	-0.197
39.538	-0.206	39.548	-0.197	39.567	-0.166	39.596	-0.161
39.624	-0.139	39.647	-0.152	39.667	-0.179	39.690	-0.143
39.716	-0.161	39.777	-0.148	39.792	-0.134	39.831	-0.170
39.862	-0.179	39.880	-0.148	39.875	-0.148	40.021	-0.170
40.072	-0.179	40.115	-0.135	40.156	-0.100	40.177	-0.060
40.199	-0.082	40.255	-0.092	40.274	-0.114	40.286	-0.118
40.309	-0.101	40.329	-0.092				



III 116

71-C26 2/9/71 0600PST L.A. 15250 VENTURA BLVD. 7TH FL. N11E

2715 POINTS 40.338 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. 6/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.6593 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.114	0.027	-0.231	0.047	-0.198	0.065	-0.181	2.353	-0.101	2.369	-0.198	2.382	-0.160	2.390	-0.085	2.470	-0.085
0.085	-0.122	0.096	-0.089	0.123	-0.068	0.125	-0.059	2.405	-0.034	2.429	-0.135	2.451	-0.198	2.470	-0.085	2.535	-0.060
0.142	-0.063	0.158	-0.010	0.172	-0.126	0.183	-0.101	2.483	-0.047	2.502	-0.085	2.519	-0.068	2.535	-0.060	2.581	0.196
0.193	-0.084	0.206	-0.101	0.228	-0.156	0.238	-0.164	2.550	-0.060	2.565	-0.101	2.577	0.137	2.581	0.196	2.629	0.036
0.247	-0.147	0.262	-0.164	0.278	-0.210	0.295	-0.223	2.586	0.213	2.604	0.208	2.614	0.145	2.629	0.036	2.691	-0.132
0.304	-0.198	0.317	-0.126	0.336	-0.194	0.347	-0.206	2.643	-0.065	2.664	-0.149	2.677	-0.182	2.691	-0.132	2.740	-0.380
0.356	-0.168	0.363	-0.126	0.374	-0.097	0.383	-0.097	2.704	-0.099	2.715	-0.115	2.728	-0.241	2.740	-0.380	2.802	-0.162
0.398	-0.131	0.409	-0.139	0.422	-0.072	0.436	-0.030	2.756	-0.485	2.780	-0.296	2.788	-0.191	2.802	-0.162	2.866	0.184
0.439	-0.017	0.448	-0.034	0.462	-0.114	0.469	-0.147	2.818	-0.044	2.844	0.131	2.859	0.004	2.921	-0.214	2.974	-0.068
0.475	-0.164	0.489	-0.118	0.502	-0.093	0.509	-0.105	2.885	0.186	2.908	0.118	2.908	-0.004	2.921	-0.214	3.043	-0.237
0.528	-0.131	0.544	-0.143	0.559	-0.105	0.571	-0.080	2.935	-0.302	2.947	-0.260	2.960	-0.135	2.974	-0.068	3.100	-0.309
0.601	-0.122	0.628	-0.147	0.648	-0.240	0.654	-0.248	2.986	-0.097	3.013	-0.215	3.024	-0.173	3.043	-0.237	3.149	-0.305
0.672	-0.198	0.691	-0.152	0.718	-0.135	0.761	-0.101	3.057	-0.304	3.069	-0.237	3.082	-0.212	3.100	-0.309	3.237	-0.244
0.749	-0.042	0.759	-0.013	0.773	-0.042	0.791	-0.097	3.118	-0.368	3.136	-0.355	3.149	-0.305	3.159	-0.238	3.287	-0.144
0.801	-0.055	0.813	-0.038	0.831	-0.131	0.847	-0.156	3.176	-0.234	3.198	-0.256	3.213	-0.205	3.237	-0.244	3.393	-0.191
0.866	-0.130	0.884	-0.113	0.900	-0.143	0.919	-0.163	3.254	-0.177	3.275	-0.169	3.287	-0.135	3.300	-0.043	3.438	-0.444
0.937	-0.147	0.960	-0.092	0.973	-0.054	0.994	-0.125	3.307	0.016	3.324	0.015	3.335	-0.039	3.347	-0.144	3.494	-0.084
1.011	-0.175	1.032	-0.142	1.049	-0.049	1.065	-0.039	3.363	0.183	3.381	-0.191	3.393	-0.225	3.402	-0.359	3.545	-0.270
1.077	0.081	1.095	-0.073	1.105	-0.031	1.118	-0.057	3.413	-0.448	3.423	-0.473	3.438	-0.444	3.454	-0.369	3.609	-0.191
1.141	-0.120	1.164	-0.182	1.185	-0.140	1.201	-0.119	3.470	-0.227	3.483	-0.130	3.494	-0.084	3.506	-0.072	3.671	0.080
1.227	-0.178	1.241	-0.136	1.251	-0.102	1.266	-0.127	3.517	-0.106	3.539	-0.236	3.545	-0.270	3.558	-0.203	3.716	0.012
1.284	-0.085	1.298	-0.050	1.320	-0.089	1.338	-0.051	3.570	-0.153	3.593	-0.221	3.609	-0.191	3.628	-0.297	3.781	-0.031
1.350	-0.026	1.363	-0.021	1.381	0.054	1.390	0.080	3.637	-0.326	3.661	-0.062	3.671	0.080	3.679	0.147	3.848	-0.229
1.395	0.071	1.434	-0.159	1.450	-0.247	1.462	-0.272	3.694	0.181	3.704	0.134	3.716	0.012	3.728	-0.055	3.895	-0.213
1.475	-0.222	1.490	-0.125	1.499	-0.066	1.506	-0.033	3.750	0.079	3.767	-0.018	3.781	-0.065	3.788	-0.031	3.944	-0.290
1.517	-0.041	1.532	-0.116	1.546	-0.196	1.557	-0.209	3.810	-0.019	3.826	-0.141	3.848	-0.229	3.859	-0.213	4.002	-0.018
1.571	-0.200	1.571	-0.061	1.577	-0.061	1.623	-0.212	3.918	-0.226	3.944	-0.290	3.984	-0.138	3.983	-0.213	4.060	0.325
1.638	-0.325	1.651	-0.180	1.677	-0.140	1.696	-0.045	3.918	-0.226	3.944	-0.290	3.984	-0.138	3.983	-0.213	4.117	0.224
1.712	0.154	1.725	0.200	1.744	0.171	1.760	0.175	3.995	-0.127	4.002	-0.018	4.012	0.045	4.029	0.015	4.160	-0.243
1.771	0.167	1.787	0.045	1.799	-0.047	1.812	-0.114	4.045	0.183	4.060	0.325	4.074	0.241	4.083	0.161	4.240	-0.412
1.826	-0.189	1.833	-0.265	1.840	-0.382	1.848	-0.475	4.100	0.140	4.117	0.224	4.127	0.303	4.141	0.219	4.240	-0.412
1.858	-0.513	1.868	-0.529	1.882	-0.513	1.897	-0.408	4.154	-0.067	4.160	-0.243	4.178	-0.315	4.206	-0.336	4.240	-0.412
1.937	-0.236	1.910	-0.156	1.922	-0.097	1.933	-0.084	4.223	-0.353	4.240	-0.412	4.251	-0.236	4.263	0.045	4.299	0.132
1.952	-0.034	1.966	-0.000	1.978	-0.051	1.987	-0.139	4.273	0.192	4.273	0.234	4.284	-0.244	4.310	-0.023	4.345	-0.729
2.006	-0.206	2.021	-0.244	2.033	-0.185	2.050	-0.059	4.320	-0.191	4.334	-0.253	4.345	-0.729	4.354	-0.758	4.398	-0.767
2.060	-0.005	2.076	0.004	2.093	0.050	2.097	0.063	4.366	-0.725	4.387	-0.763	4.398	-0.767	4.418	-0.679	4.453	-0.578
2.121	0.033	2.137	0.042	2.152	0.059	2.167	-0.202	4.434	-0.578	4.453	-0.763	4.466	-0.062	4.484	0.265	4.528	0.706
2.182	-0.223	2.199	-0.194	2.220	-0.084	2.232	-0.034	4.501	0.576	4.514	0.668	4.528	0.706	4.556	0.785	4.602	1.142
2.241	-0.034	2.256	-0.080	2.267	-0.198	2.278	-0.282	4.574	0.903	4.589	1.083	4.602	1.142	4.621	0.982	4.654	-0.328
2.286	-0.328	2.300	-0.294	2.322	-0.097	2.338	-0.055	4.632	0.525	4.642	0.168	4.654	-0.122	4.664	-0.328	4.696	-0.328



4.679	-0.710	4.694	-1.478	4.706	-1.991	4.716	-2.385	6.962	1.038	6.973	1.378	6.977	1.542	6.985	1.609
4.732	-2.700	4.746	-2.554	4.762	-2.092	4.779	-1.181	6.993	1.643	7.009	1.655	7.023	1.621	7.031	1.562
4.788	-0.715	4.797	-0.266	4.804	-0.035	4.815	0.221	7.039	1.457	7.048	1.235	7.052	0.920	7.058	0.479
4.827	0.448	4.835	0.628	4.852	0.746	4.874	0.532	7.070	-0.180	7.076	-0.588	7.086	-0.961	7.093	-1.092
4.888	0.511	4.897	0.469	4.911	0.503	4.920	0.805	7.102	-1.348	7.109	-1.520	7.111	-1.638	7.122	-1.780
4.942	1.292	4.957	1.704	4.965	1.859	4.972	1.977	7.129	-1.835	7.141	-1.789	7.159	-1.584	7.172	-1.361
4.994	1.650	5.012	0.533	5.018	0.205	5.028	0.042	7.186	-1.009	7.198	-0.576	7.208	-0.253	7.216	-0.035
5.036	-0.193	5.051	-0.412	5.067	-1.016	5.076	-1.469	7.228	0.133	7.237	0.213	7.255	0.254	7.272	0.334
5.079	-1.696	5.090	-1.814	5.103	-1.587	5.124	-1.360	7.284	0.363	7.297	0.443	7.311	0.623	7.318	0.783
5.139	-1.116	5.153	-0.835	5.166	-0.428	5.175	-0.180	7.327	0.888	7.334	0.921	7.343	0.909	7.355	0.858
5.183	-0.020	5.195	-0.217	5.207	-0.562	5.220	-0.914	7.371	0.598	7.379	0.447	7.388	0.396	7.395	0.396
5.232	-0.788	5.243	-0.528	5.252	-0.318	5.258	-0.242	7.402	0.476	7.407	0.610	7.412	0.795	7.418	0.938
5.261	-0.200	5.275	-0.263	5.284	-0.280	5.293	0.208	7.427	1.060	7.436	1.097	7.442	1.022	7.448	0.745
5.300	-0.015	5.313	0.472	5.320	0.862	5.325	1.194	7.458	0.358	7.462	0.190	7.466	0.073	7.474	-0.003
5.336	1.639	5.342	1.853	5.356	2.017	5.366	2.101	7.484	-0.045	7.494	-0.125	7.501	-0.288	7.510	-0.767
5.376	1.958	5.390	1.488	5.395	1.198	5.408	1.009	7.519	-1.258	7.525	-1.842	7.528	-2.249	7.536	-2.455
5.412	0.905	5.423	0.867	5.436	0.884	5.443	0.858	7.545	-2.724	7.553	-2.682	7.562	-2.488	7.567	-2.321
5.452	0.812	5.460	0.833	5.469	0.804	5.476	0.865	7.572	-2.178	7.579	-1.783	7.590	-1.519	7.601	-1.069
5.488	0.422	5.508	-0.006	5.524	-0.355	5.537	-0.573	7.608	-0.675	7.618	-0.352	7.627	-0.129	7.634	0.009
5.530	-0.661	5.562	-0.796	5.574	-1.022	5.592	-1.429	7.640	0.064	7.644	0.098	7.650	0.060	7.656	-0.028
5.602	-1.736	5.624	-2.038	5.638	-2.290	5.653	-2.130	7.660	-0.213	7.667	-0.641	7.678	-1.070	7.681	-1.280
5.665	-1.509	5.676	-0.879	5.687	-0.166	5.697	0.313	7.685	-1.351	7.690	-1.385	7.696	-1.368	7.704	-1.254
5.704	0.636	5.713	0.993	5.720	1.266	5.724	1.363	7.710	-1.179	7.716	-1.162	7.724	-1.183	7.730	-1.296
5.730	1.434	5.739	1.480	5.750	1.430	5.758	1.262	7.735	-1.406	7.741	-1.464	7.747	-1.481	7.755	-1.448
5.768	1.040	5.774	0.817	5.777	0.708	5.783	0.565	7.767	-1.355	7.771	-1.179	7.781	-0.927	7.787	-0.549
5.797	0.460	5.815	0.674	5.825	0.872	5.834	0.989	7.794	-0.222	7.799	0.034	7.808	0.463	7.815	0.702
5.843	1.052	5.853	1.027	5.861	1.048	5.870	1.136	7.823	0.954	7.835	1.130	7.844	1.201	7.854	1.323
5.872	1.203	5.887	1.203	5.897	1.153	5.907	0.955	7.863	1.348	7.867	1.344	7.878	1.239	7.886	1.029
5.921	0.590	5.937	0.153	5.949	-0.300	5.964	-0.758	7.892	0.929	7.899	0.849	7.912	0.941	7.921	1.000
5.973	-1.111	5.993	-1.354	6.011	-1.749	6.028	-2.182	7.926	1.029	7.933	1.000	7.940	0.803	7.948	0.379
6.040	-2.530	6.049	-2.644	6.063	-2.161	6.072	-1.397	7.959	-0.138	7.969	-0.650	7.975	-0.864	7.982	-0.994
6.081	-0.687	6.090	-0.205	6.098	0.156	6.107	0.391	7.990	-1.036	7.998	-0.960	8.004	-0.897	8.009	-0.889
6.114	0.471	6.123	0.505	6.132	0.471	6.142	0.358	8.023	-0.918	8.034	-0.881	8.047	-0.713	8.055	-0.440
6.151	0.135	6.161	-0.159	6.167	-0.352	6.173	-0.457	8.069	-0.221	8.075	-0.293	8.081	-0.095	8.090	-0.100
6.185	-0.491	6.194	-0.457	6.202	-0.310	6.213	0.005	8.105	-0.209	8.117	-0.293	8.126	-0.339	8.135	-0.196
6.224	0.210	6.232	0.286	6.248	0.260	6.259	0.315	8.142	-0.057	8.149	0.001	8.156	-0.095	8.167	-0.288
6.262	0.420	6.268	0.504	6.277	0.550	6.285	0.504	8.176	-0.540	8.182	-0.628	8.187	-0.666	8.199	-0.549
6.293	0.411	6.297	0.382	6.307	0.361	6.316	0.428	8.210	-0.246	8.222	0.094	8.236	0.363	8.244	0.463
6.325	0.524	6.330	0.558	6.337	0.554	6.347	0.461	8.260	0.585	8.269	0.690	8.274	0.850	8.282	1.076
6.354	0.377	6.362	0.142	6.373	-0.215	6.379	-0.475	8.290	1.274	8.297	1.358	8.307	1.391	8.319	1.333
6.390	-0.727	6.396	-1.051	6.403	-1.294	6.410	-1.546	8.329	1.328	8.342	1.282	8.348	1.190	8.355	1.022
6.417	-1.689	6.425	-1.861	6.429	-1.920	6.436	-1.975	8.362	0.648	8.373	0.085	8.382	-0.267	8.387	-0.549
6.448	-2.004	6.456	-1.950	6.461	-1.857	6.469	-1.606	8.396	-0.750	8.402	-0.851	8.408	-0.885	8.416	-0.860
6.480	-1.127	6.487	-0.867	6.496	-0.409	6.503	-0.082	8.425	-0.772	8.434	-0.558	8.437	-0.406	8.445	-0.197
6.511	0.086	6.518	0.170	6.525	0.220	6.533	0.245	8.458	0.101	8.469	0.126	8.467	0.030	8.478	0.047
6.537	0.224	6.543	0.157	6.548	0.123	6.554	0.102	8.488	0.484	8.493	0.459	8.497	0.147	8.503	0.101
6.563	0.132	6.575	0.249	6.585	0.471	6.596	0.601	8.514	0.025	8.520	-0.008	8.530	0.050	8.538	0.281
6.602	0.648	6.617	0.643	6.626	0.593	6.635	0.412	8.548	0.684	8.555	0.588	8.561	0.655	8.567	0.688
6.646	0.194	6.654	-0.012	6.665	-0.260	6.672	-0.407	8.570	0.844	8.578	0.642	8.586	0.537	8.594	0.436
6.683	-0.470	6.692	-0.336	6.705	0.054	6.717	0.478	8.604	0.369	8.615	0.344	8.627	0.310	8.641	0.154
6.728	0.818	6.734	0.986	6.741	1.095	6.750	1.171	8.650	0.007	8.662	-0.291	8.672	-0.467	8.680	-0.585
6.755	1.116	6.764	0.973	6.771	0.591	6.779	0.352	8.693	-0.639	8.700	-0.598	8.717	-0.476	8.734	-0.333
6.786	0.121	6.794	-0.110	6.801	-0.345	6.810	-0.526	8.741	-0.283	8.749	-0.245	8.757	-0.292	8.771	-0.434
6.816	-0.673	6.833	-0.854	6.848	-0.963	6.857	-1.022	8.777	-0.527	8.787	-0.582	8.795	-0.548	8.807	-0.363
6.866	-0.984	6.878	-0.842	6.881	-0.670	6.890	-0.334	8.814	-0.132	8.823	0.069	8.830	0.157	8.834	0.203
6.899	-0.048	6.911	0.237	6.937	0.526	6.949	0.711	8.846	0.211	8.858	0.174	8.876	0.018	8.887	-0.221



8.898	-0.578	8.908	-1.015	8.916	-1.380	8.920	-1.662	11.026	-0.902	11.042	-1.170	11.060	-0.910	11.079	-0.327
8.925	-1.981	8.933	-2.258	8.935	-2.439	8.942	-2.564	11.097	-0.138	11.130	-0.415	11.151	0.227	11.160	0.558
8.948	-2.481	8.956	-2.166	8.960	-1.881	8.969	-1.553	11.179	1.234	11.191	1.360	11.216	1.553	11.240	1.998
8.971	-1.301	8.981	-0.726	8.992	-0.315	9.003	0.025	11.254	2.174	11.282	1.452	11.303	0.889	11.326	0.595
9.011	0.407	9.021	0.701	9.025	0.865	9.033	0.911	11.351	1.369	11.389	0.957	11.409	0.318	11.428	0.515
9.039	0.953	9.045	0.927	9.058	0.776	9.070	0.385	11.453	0.293	11.467	0.242	11.485	0.473	11.507	0.704
9.077	0.058	9.086	-0.496	9.098	-1.046	9.108	-1.370	11.527	0.381	11.554	0.041	11.596	-0.093	11.611	-0.064
9.113	-1.571	9.124	-1.660	9.134	-1.555	9.151	-1.505	11.633	0.071	11.661	-0.034	11.689	0.310	11.704	0.780
9.161	-1.606	9.175	-1.719	9.182	-1.774	9.192	-1.702	11.716	0.957	11.730	1.171	11.748	1.280	11.775	1.225
9.203	-1.379	9.215	-0.737	9.228	0.287	9.239	0.837	11.795	1.322	11.823	0.890	11.850	0.672	11.880	0.445
9.243	0.887	9.247	1.018	9.257	1.173	9.261	1.173	11.893	0.261	11.907	-0.020	11.921	-0.188	11.943	0.224
9.272	1.206	9.283	1.173	9.297	1.013	9.315	0.849	11.961	0.514	11.981	0.183	11.997	-0.073	12.007	-0.144
9.333	0.475	9.347	0.030	9.353	-0.222	9.360	-0.356	12.030	0.188	12.068	0.415	12.063	0.222	12.084	0.206
9.368	-0.428	9.377	-0.306	9.383	-0.239	9.389	-0.205	12.106	-0.508	12.120	-0.571	12.140	-0.419	12.161	-0.243
9.396	-0.163	9.410	-0.255	9.422	-0.558	9.431	-0.927	12.199	0.065	12.211	-0.019	12.225	-0.359	12.239	-0.770
9.439	-1.095	9.452	-1.246	9.467	-1.465	9.486	-1.742	12.256	-1.181	12.270	-1.332	12.291	-0.963	12.301	-0.664
9.492	-1.809	9.502	-1.750	9.509	-1.595	9.530	-1.397	12.306	-0.555	12.318	-0.509	12.355	-0.836	12.365	-0.773
9.539	-1.175	9.545	-0.826	9.554	-0.402	9.562	0.093	12.385	-0.365	12.393	-0.130	12.414	0.290	12.445	0.711
9.580	0.874	9.590	1.416	9.598	1.861	9.604	2.075	12.460	0.518	12.467	-0.313	12.504	-0.830	12.531	-1.354
9.612	2.222	9.621	2.272	9.632	2.083	9.640	1.751	12.554	-0.921	12.566	-0.610	12.581	-0.287	12.606	0.028
9.649	1.138	9.651	0.895	9.665	0.576	9.678	0.089	12.614	-0.014	12.643	-0.912	12.666	-1.398	12.692	-0.978
9.686	0.386	9.693	-0.709	9.701	-0.826	9.711	-0.822	12.711	-0.171	12.731	-0.772	12.761	-0.684	12.775	-0.570
9.723	-0.875	9.742	-0.058	9.753	0.937	9.760	1.634	12.796	-0.171	12.808	0.043	12.826	0.199	12.841	-0.010
9.768	1.886	9.777	2.154	9.786	2.327	9.790	2.352	12.859	-0.447	12.877	-0.674	12.902	-0.741	12.932	-0.438
9.808	2.381	9.815	2.398	9.818	2.369	9.826	2.180	12.955	-0.283	12.969	-0.467	13.008	-0.396	13.026	-0.354
9.838	1.739	9.852	1.046	9.864	0.156	9.874	-0.390	13.049	-0.555	13.063	-0.844	13.075	-1.214	13.098	-1.415
9.886	-1.254	9.896	-1.691	9.909	-1.960	9.920	-1.871	13.128	-0.366	13.143	-0.542	13.164	-0.193	13.189	-0.311
9.928	-1.666	9.934	-1.372	9.941	-1.221	9.942	-1.044	13.209	0.521	13.237	0.009	13.261	-0.410	13.282	-0.398
9.951	-0.960	9.953	-0.889	9.969	-0.721	9.984	-0.557	13.322	-0.544	13.329	-0.553	13.369	-0.325	13.414	-0.002
9.993	-0.381	10.005	-0.213	10.010	-0.036	10.017	0.035	13.447	-0.354	13.480	-0.711	13.497	-0.790	13.519	-0.698
10.026	0.073	10.033	0.014	10.038	-0.049	10.046	-0.246	13.548	-0.320	13.573	0.046	13.600	0.226	13.619	0.533
10.053	-0.385	10.058	-0.523	10.061	-0.586	10.068	-0.645	13.643	0.768	13.667	0.391	13.693	-0.256	13.712	-0.465
10.080	-0.699	10.090	-0.792	10.100	-1.077	10.110	-1.212	13.741	-0.570	13.775	-0.213	13.797	-0.006	13.816	-0.077
10.118	-1.295	10.129	-1.195	10.138	-0.909	10.154	-0.456	13.843	-0.242	13.864	-0.498	13.889	-0.602	13.913	-0.510
10.171	0.250	10.186	0.930	10.195	1.446	10.205	1.749	13.942	-0.621	13.955	-0.345	13.984	0.159	14.000	0.457
10.214	1.934	10.221	2.001	10.228	2.047	10.232	2.013	14.014	0.504	14.030	0.693	14.071	0.563	14.111	0.085
10.238	1.917	10.248	1.686	10.260	1.350	10.265	1.132	14.142	-0.381	14.163	-0.519	14.191	-0.363	14.220	-0.174
10.274	0.867	10.283	0.469	10.288	0.078	10.298	-0.321	14.244	-0.195	14.270	-0.207	14.304	-0.408	14.331	-0.353
10.304	-0.707	10.309	-0.997	10.317	-1.194	10.322	-1.286	14.367	-0.449	14.395	-0.567	14.417	-0.357	14.439	-0.004
10.333	-1.227	10.342	-0.950	10.345	-0.682	10.352	-0.463	14.461	0.223	14.496	0.043	14.514	-0.029	14.542	-0.306
10.357	-0.207	10.362	-0.001	10.370	0.133	10.375	0.187	14.572	-0.620	14.595	-0.775	14.628	-0.385	14.655	0.027
10.378	0.234	10.392	0.171	10.401	0.108	10.411	0.074	14.677	-0.228	14.715	0.376	14.740	0.447	14.782	0.233
10.418	0.032	10.428	-0.090	10.438	-0.350	10.447	-0.715	14.833	0.511	14.868	0.897	14.885	0.981	14.919	0.704
10.459	-1.278	10.469	-1.782	10.478	-1.958	10.491	-2.042	14.942	0.578	14.974	0.569	15.018	0.212	15.042	0.040
10.503	-2.084	10.517	-2.155	10.518	-2.290	10.527	-2.458	15.062	0.069	15.088	0.262	15.126	0.397	15.146	0.510
10.535	-2.588	10.540	-2.634	10.547	-2.604	10.557	-2.491	15.161	0.611	15.172	0.758	15.182	0.846	15.201	0.795
10.568	-2.180	10.577	-1.874	10.587	-1.521	10.599	-1.047	15.217	0.879	15.232	0.879	15.253	1.022	15.276	1.295
10.609	-0.669	10.625	-0.232	10.634	0.057	10.640	0.158	15.297	1.421	15.308	1.530	15.331	1.568	15.379	1.581
10.647	0.192	10.648	0.229	10.655	0.179	10.665	0.007	15.395	1.484	15.430	1.476	15.430	1.224	15.462	0.855
10.676	-0.253	10.691	-0.400	10.692	-0.400	10.704	-0.153	15.494	0.616	15.517	0.544	15.546	0.280	15.569	0.070
10.719	0.237	10.722	0.292	10.728	0.477	10.737	0.578	15.595	0.062	15.623	-0.017	15.685	0.088	15.711	-0.092
10.754	0.628	10.754	0.595	10.765	0.511	10.786	0.574	15.731	-0.319	15.746	-0.403	15.766	-0.403	15.804	-0.260
10.795	0.746	10.807	1.124	10.816	1.434	10.833	1.602	15.827	-0.125	15.848	-0.029	15.872	-0.125	15.889	-0.171
10.848	1.355	10.855	1.069	10.884	-0.514	10.902	-1.249	15.913	-0.070	15.933	-0.007	15.949	-0.070	15.966	-0.293
10.909	-1.472	10.919	-1.749	10.933	-1.887	10.948	-1.762	15.981	-0.608	15.994	-0.788	16.012	-1.006	16.043	-1.132
10.961	-1.413	10.974	-0.905	10.986	-0.624	11.000	-0.502	16.065	-1.056	16.071	-0.918	16.083	-1.006	16.095	-1.002



16.109	-0.993	16.121	-1.014	16.131	-1.148	16.139	-1.098	20.740	1.534	20.751	1.622	20.765	1.467	20.777	1.370
16.149	-1.178	16.164	-1.153	16.187	-1.262	16.204	-1.266	20.791	1.165	20.818	0.930	20.853	0.858	20.884	0.754
16.219	-1.371	16.246	-1.530	16.269	-1.333	16.288	-0.984	20.904	0.712	20.934	0.448	20.998	0.491	21.032	0.361
16.300	-0.887	16.320	-0.761	16.331	-0.631	16.353	-0.476	21.061	0.294	21.094	0.269	21.146	0.119	21.183	0.119
16.371	-0.564	16.397	-0.745	16.424	-0.795	16.444	-0.858	21.213	-0.136	21.262	-0.455	21.263	-0.493	21.278	-0.413
16.464	-0.900	16.484	-0.888	16.520	-0.716	16.557	-0.821	21.301	-0.563	21.321	-0.584	21.334	-0.555	21.340	-0.441
16.578	-0.733	16.600	-0.661	16.624	-0.619	16.640	-0.527	21.351	-0.735	21.366	-0.445	21.378	-0.574	21.394	-0.528
16.660	-0.346	16.680	-0.153	16.701	-0.023	16.738	0.077	21.422	-0.808	21.440	-0.930	21.452	-1.051	21.464	-0.980
16.772	0.182	16.791	0.279	16.815	0.359	16.845	0.456	21.478	-1.084	21.495	-0.958	21.515	-1.142	21.526	-0.982
16.876	0.329	16.898	0.468	16.915	0.514	16.946	0.456	21.532	-1.066	21.553	-1.036	21.562	-0.893	21.576	-1.061
16.967	0.439	16.996	0.406	17.007	0.448	17.033	0.318	21.587	-1.098	21.598	-1.039	21.601	-1.081	21.606	-1.014
17.062	0.154	17.103	0.142	17.137	0.256	17.163	0.281	21.613	-1.039	21.621	-1.043	21.629	-1.080	21.636	-1.013
17.192	0.499	17.221	0.651	17.257	0.937	17.279	0.282	21.644	-1.644	21.651	-1.050	21.659	-1.185	21.668	-1.184
17.299	0.152	17.328	0.391	17.349	0.547	17.379	0.438	21.681	-1.192	21.689	-1.251	21.696	-1.276	21.701	-1.251
17.414	0.216	17.448	0.128	17.476	-0.157	17.499	-0.312	21.709	-1.196	21.718	-1.242	21.725	-1.292	21.736	-1.355
17.534	-0.475	17.551	-0.555	17.562	-0.563	17.586	-0.411	21.743	-1.451	21.751	-1.514	21.763	-1.446	21.777	-1.438
17.606	-0.235	17.627	-0.176	17.649	-0.272	17.682	-0.708	21.785	-1.362	21.795	-1.273	21.801	-1.219	21.808	-1.235
17.703	-0.892	17.732	-0.934	17.755	-0.934	17.777	-0.812	21.819	-1.151	21.830	-1.121	21.841	-1.008	21.854	-0.953
17.797	-0.627	17.824	-0.294	17.851	-0.168	17.876	-0.285	21.868	-0.919	21.882	-0.915	21.896	-0.935	21.906	-0.944
17.924	-0.595	17.951	-0.607	17.972	-0.674	17.992	-0.678	21.924	-0.968	21.934	-0.960	21.949	-0.968	21.965	-0.947
18.043	-0.870	18.060	-0.874	18.097	-0.588	18.132	-0.394	21.983	-0.900	21.992	-0.879	22.007	-0.938	22.024	-0.899
18.157	-0.339	18.175	-0.310	18.198	-0.066	18.220	0.103	22.036	-0.953	22.053	-0.802	22.064	-0.697	22.078	-0.596
18.243	0.229	18.265	0.305	18.292	0.314	18.320	0.461	22.090	-0.474	22.105	-0.407	22.120	-0.318	22.136	-0.242
18.348	0.562	18.365	0.870	18.406	1.063	18.421	1.194	22.153	-0.154	22.170	-0.086	22.187	-0.010	22.202	0.040
18.436	1.299	18.453	1.308	18.478	1.291	18.493	1.283	22.211	0.057	22.227	0.049	22.237	0.041	22.253	0.071
18.503	1.157	18.518	1.187	18.531	1.120	18.539	1.061	22.274	0.113	22.289	0.143	22.302	0.147	22.313	0.143
18.551	1.154	18.564	1.133	18.573	1.159	18.590	1.125	22.327	0.135	22.336	0.164	22.351	0.236	22.369	0.328
18.611	1.109	18.638	1.122	18.664	1.114	18.684	1.119	22.386	0.417	22.404	0.460	22.420	0.556	22.438	0.635
18.693	1.207	18.706	1.039	18.724	1.015	18.746	0.641	22.453	0.699	22.466	0.711	22.478	0.720	22.488	0.703
18.771	0.407	18.787	0.588	18.805	0.743	18.816	0.689	22.499	0.670	22.509	0.649	22.520	0.682	22.536	0.737
18.841	1.013	18.856	0.975	18.871	1.055	18.886	0.900	22.547	0.825	22.556	0.851	22.568	0.926	22.575	0.998
18.898	0.913	18.907	0.796	18.922	0.859	18.948	0.881	22.582	1.010	22.589	0.998	22.598	1.044	22.609	1.036
18.970	0.873	18.997	0.831	19.011	0.773	19.032	0.777	22.615	0.932	22.629	0.935	22.643	0.931	22.655	0.977
19.074	0.577	19.095	0.523	19.112	0.489	19.135	0.372	22.666	0.910	22.675	0.826	22.682	0.952	22.690	1.053
19.166	-0.055	19.185	-0.349	19.208	-0.554	19.235	-0.658	22.697	0.948	22.703	0.877	22.707	0.957	22.714	1.007
19.264	-0.725	19.283	-0.687	19.307	-0.724	19.330	-1.043	22.722	0.961	22.729	0.932	22.738	1.020	22.746	0.886
19.351	-1.370	19.377	-1.562	19.392	-1.503	19.413	-1.343	22.756	0.844	22.771	0.936	22.781	0.852	22.791	0.857
19.430	-1.133	19.441	-1.162	19.456	-0.906	19.471	-1.044	22.802	0.794	22.812	0.937	22.825	0.954	22.833	0.966
19.488	-0.893	19.500	-0.939	19.526	-0.888	19.545	-0.879	22.843	0.874	22.852	0.958	22.860	1.059	22.868	1.096
19.560	-1.244	19.569	-0.757	19.579	-1.067	19.594	-0.824	22.875	1.004	22.883	0.899	22.892	0.802	22.901	0.760
19.603	-1.021	19.628	-0.991	19.645	-1.154	19.653	-1.079	22.911	0.777	22.926	0.828	22.944	0.869	22.960	0.932
19.664	-1.347	19.677	-1.208	19.688	-1.237	19.699	-1.069	22.976	0.983	22.989	1.042	22.999	1.188	23.004	1.214
19.724	-1.182	19.742	-0.934	19.779	-1.190	19.797	-1.349	23.011	1.172	23.021	1.071	23.034	1.134	23.046	1.109
19.828	-1.403	19.848	-1.386	19.857	-1.373	19.893	-1.041	23.060	1.142	23.071	1.167	23.077	1.121	23.091	1.067
19.913	-0.801	19.929	-0.705	19.937	-0.730	19.943	-0.570	23.108	1.079	23.118	1.075	23.124	1.096	23.132	1.092
19.952	-0.604	19.977	-0.335	20.000	-0.339	20.050	-0.028	23.142	1.150	23.150	1.159	23.159	1.180	23.166	1.180
20.077	-0.031	20.108	-0.040	20.128	0.024	20.159	0.276	23.181	1.196	23.198	1.180	23.214	1.138	23.226	1.087
20.173	0.276	20.185	0.381	20.201	0.386	20.219	0.491	23.244	1.033	23.264	0.991	23.282	0.953	23.295	0.919
20.232	0.428	20.257	0.453	20.286	0.512	20.312	0.630	23.307	0.886	23.320	0.814	23.334	0.722	23.348	0.638
20.342	0.811	20.363	0.975	20.369	1.063	20.379	1.013	23.367	0.558	23.387	0.507	23.404	0.478	23.418	0.427
20.399	1.227	20.420	1.097	20.429	1.160	20.437	1.088	23.434	0.347	23.445	0.276	23.460	0.217	23.473	0.129
20.449	1.319	20.459	1.109	20.474	1.344	20.487	1.189	23.490	0.019	23.506	-0.082	23.519	-0.162	23.545	-0.221
20.503	1.080	20.519	1.483	20.530	1.336	20.543	1.483	23.570	-0.280	23.590	-0.338	23.608	-0.368	23.627	-0.335
20.559	1.483	20.570	1.534	20.577	1.412	20.588	1.760	23.647	-0.297	23.668	-0.259	23.690	-0.247	23.709	-0.251
20.603	1.483	20.619	1.689	20.628	1.538	20.652	1.542	23.730	-0.251	23.743	-0.235	23.755	-0.226	23.769	-0.252
20.670	1.672	20.679	1.567	20.702	1.559	20.722	1.698	23.787	-0.307	23.807	-0.386	23.830	-0.479	23.842	-0.542



23.860	-0.559	23.875	-0.530	23.886	-0.500	23.898	-0.421	27.259	0.207	27.268	0.173	27.276	0.194	27.285	0.265
23.909	-0.446	23.922	-0.417	23.934	-0.450	23.951	-0.404	27.292	0.240	27.302	0.193	27.310	0.306	27.320	0.352
23.966	-0.371	23.983	-0.304	23.999	-0.237	24.016	-0.254	27.331	0.302	27.346	0.361	27.365	0.339	27.385	0.302
24.033	-0.241	24.049	-0.250	24.064	-0.237	24.081	-0.204	27.406	0.247	27.422	0.171	27.439	0.074	27.462	-0.001
24.096	-0.255	24.111	-0.343	24.123	-0.402	24.132	-0.465	27.482	-0.056	27.503	-0.090	27.523	-0.119	27.538	-0.128
24.143	-0.435	24.153	-0.515	24.167	-0.616	24.179	-0.725	27.556	-0.107	27.573	-0.065	27.592	-0.027	27.615	0.006
24.193	-0.663	24.203	-0.772	24.218	-0.831	24.236	-0.869	27.639	0.014	27.664	0.010	27.688	0.031	27.717	0.048
24.250	-0.949	24.259	-1.028	24.274	-0.936	24.282	-0.949	27.738	0.085	27.759	0.123	27.782	0.181	27.800	0.261
24.291	-0.982	24.305	-0.949	24.316	-0.983	24.333	-1.054	27.814	0.349	27.830	0.462	27.851	0.609	27.868	0.702
24.348	-1.147	24.363	-1.214	24.374	-1.243	24.388	-1.222	27.886	0.743	27.904	0.752	27.923	0.731	27.935	0.718
24.396	-1.193	24.407	-1.084	24.422	-0.996	24.430	-0.929	27.950	0.735	27.968	0.751	27.987	0.789	28.000	0.793
24.441	-0.870	24.453	-0.761	24.465	-0.694	24.482	-0.576	28.017	0.776	28.031	0.726	28.048	0.663	28.062	0.642
24.496	-0.455	24.507	-0.383	24.526	-0.341	24.540	-0.295	28.083	0.637	28.103	0.558	28.119	0.591	28.140	0.465
24.553	-0.220	24.569	-0.119	24.585	-0.014	24.601	0.061	28.161	0.360	28.184	0.305	28.205	0.280	28.220	0.263
24.610	0.103	24.622	0.120	24.637	0.103	24.654	0.061	28.244	0.258	28.265	0.254	28.287	0.224	28.302	0.254
24.675	0.019	24.704	-0.006	24.727	-0.031	24.746	-0.002	28.319	0.296	28.334	0.317	28.355	0.333	28.379	0.337
24.765	0.061	24.776	0.090	24.789	0.098	24.803	0.086	28.403	0.345	28.423	0.349	28.443	0.358	28.461	0.404
24.817	0.035	24.826	-0.015	24.840	-0.053	24.858	-0.053	28.480	0.462	28.499	0.329	28.515	0.563	28.533	0.575
24.881	-0.061	24.901	-0.074	24.920	-0.061	24.939	-0.023	28.549	0.600	28.562	0.583	28.577	0.596	28.602	0.625
24.955	-0.015	24.972	-0.027	24.990	-0.053	25.009	-0.053	28.618	0.642	28.641	0.641	28.658	0.608	28.682	0.574
25.026	-0.031	25.041	0.040	25.057	0.153	25.077	0.216	28.706	0.536	28.731	0.515	28.754	0.477	28.776	0.435
25.093	0.279	25.113	0.326	25.132	0.363	25.153	0.422	28.792	0.392	28.806	0.329	28.817	0.258	28.829	0.195
25.171	0.523	25.194	0.641	25.215	0.758	25.237	0.867	28.834	0.132	28.852	0.090	28.864	0.081	28.879	0.052
25.258	0.960	25.280	1.069	25.301	1.166	25.319	1.220	28.899	0.077	28.919	0.073	28.938	0.072	28.961	0.068
25.332	1.245	25.345	1.220	25.364	1.166	25.384	1.115	28.977	0.039	28.995	0.016	29.013	-0.037	29.036	-0.063
25.400	1.107	25.416	1.111	25.434	1.141	25.451	1.120	29.055	-0.075	29.076	-0.088	29.094	-0.080	29.115	-0.071
25.466	1.057	25.475	1.036	25.487	0.918	25.504	0.801	29.133	-0.055	29.155	-0.030	29.171	-0.000	29.187	0.016
25.520	0.700	25.539	0.658	25.559	0.574	25.578	0.499	29.206	0.016	29.230	-0.013	29.258	-0.022	29.278	-0.043
25.594	0.457	25.604	0.390	25.612	0.419	25.624	0.369	29.299	-0.081	29.324	-0.085	29.344	-0.056	29.368	-0.061
25.634	0.318	25.640	0.377	25.652	0.398	25.662	0.364	29.386	-0.073	29.407	-0.057	29.431	-0.053	29.452	-0.066
25.679	0.419	25.698	0.457	25.712	0.465	25.722	0.491	29.476	-0.104	29.500	-0.154	29.516	-0.209	29.532	-0.255
25.737	0.461	25.749	0.512	25.763	0.575	25.778	0.633	29.546	-0.217	29.567	-0.277	29.592	-0.273	29.614	-0.255
25.794	0.743	25.806	0.806	25.819	0.848	25.830	0.827	29.635	-0.257	29.653	-0.211	29.665	-0.127	29.680	-0.055
25.853	0.810	25.874	0.805	25.894	0.822	25.910	0.851	29.697	-0.001	29.716	-0.032	29.734	0.032	29.752	-0.010
25.926	0.859	25.943	0.842	25.960	0.808	25.979	0.779	29.766	-0.061	29.781	-0.082	29.795	-0.145	29.814	-0.149
25.998	0.720	26.015	0.656	26.031	0.589	26.049	0.513	29.835	-0.145	29.850	-0.112	29.867	-0.058	29.885	-0.016
26.065	0.400	26.080	0.316	26.098	0.185	26.113	0.067	29.900	0.026	29.918	0.034	29.939	0.071	29.962	0.079
26.131	-0.059	26.146	-0.181	26.161	-0.290	26.179	-0.374	29.982	0.062	29.996	0.011	30.008	0.028	30.019	-0.044
26.198	-0.454	26.215	-0.530	26.233	-0.593	26.246	-0.623	30.031	-0.031	30.043	-0.103	30.054	-0.116	30.069	-0.196
26.261	-0.610	26.273	-0.577	26.291	-0.544	26.305	-0.548	30.089	-0.188	30.100	-0.226	30.115	-0.268	30.132	-0.281
26.319	-0.573	26.336	-0.641	26.351	-0.725	26.361	-0.763	30.148	-0.265	30.167	-0.227	30.187	-0.186	30.207	-0.144
26.372	-0.772	26.388	-0.735	26.399	-0.655	26.415	-0.551	30.221	-0.064	30.239	-0.119	30.264	-0.153	30.288	-0.183
26.433	-0.429	26.450	-0.337	26.470	-0.254	26.489	-0.158	30.304	-0.200	30.317	-0.159	30.327	-0.104	30.340	-0.088
26.504	-0.112	26.522	-0.024	26.538	0.051	26.559	0.109	30.348	-0.100	30.360	-0.038	30.378	-0.038	30.396	-0.059
26.574	0.171	26.588	0.179	26.601	0.204	26.611	0.233	30.416	-0.043	30.431	-0.005	30.449	0.049	30.467	0.065
26.626	0.212	26.646	0.174	26.660	0.102	26.677	0.004	30.483	0.107	30.500	0.119	30.520	0.127	30.536	0.119
26.693	-0.113	26.709	-0.235	26.727	-0.353	26.749	-0.451	30.553	0.085	30.570	0.059	30.587	0.080	30.604	0.121
26.770	-0.543	26.791	-0.645	26.812	-0.759	26.830	-0.843	30.621	0.159	30.634	0.171	30.656	0.167	30.678	0.154
26.847	-0.932	26.866	-1.033	26.881	-1.125	26.897	-1.201	30.690	0.145	30.705	0.120	30.726	0.073	30.749	0.031
26.912	-1.260	26.930	-1.273	26.942	-1.236	26.953	-1.198	30.766	0.026	30.789	0.021	30.811	0.004	30.831	-0.047
26.965	-1.148	26.977	-1.110	26.987	-1.094	27.002	-1.065	30.850	-0.101	30.865	-0.127	30.885	-0.139	30.911	-0.127
27.017	-1.015	27.030	-0.960	27.043	-0.847	27.060	-0.713	30.931	-0.115	30.949	-0.111	30.971	-0.086	30.991	-0.044
27.078	-0.571	27.095	-0.433	27.109	-0.298	27.120	-0.236	31.005	-0.014	31.022	0.011	31.040	-0.015	31.056	-0.061
27.131	-0.106	27.142	-0.077	27.152	0.011	27.162	0.057	31.065	-0.074	31.078	0.057	31.099	-0.007	31.117	0.052
27.168	0.103	27.175	0.045	27.183	0.120	27.194	0.153	31.135	0.106	31.155	0.156	31.168	0.148	31.180	0.198
27.203	0.187	27.217	0.166	27.231	0.178	27.246	0.186	31.186	0.194	31.201	0.215	31.213	0.198	31.226	0.210



31.241	0.181	31.254	0.164	31.269	0.126	31.288	0.109	34.362	0.020	34.370	0.016	34.379	0.016	34.394	-0.005
31.305	0.117	31.321	0.121	31.336	0.126	31.353	0.138	34.408	-0.005	34.421	-0.014	34.433	-0.010	34.448	-0.006
31.367	0.113	31.391	0.100	31.412	0.075	31.432	0.050	34.460	0.011	34.471	0.019	34.484	0.032	34.495	0.061
31.451	0.033	31.468	0.029	31.482	0.008	31.499	0.050	34.511	0.074	34.529	0.069	34.545	0.052	34.561	0.048
31.515	0.012	31.530	0.020	31.542	0.012	31.553	0.012	34.573	0.040	34.592	-0.019	34.607	-0.108	34.626	-0.146
31.567	-0.009	31.583	0.070	31.597	0.033	31.612	0.020	34.639	-0.129	34.657	-0.091	34.674	-0.028	34.691	0.030
31.620	0.142	31.627	0.041	31.634	-0.043	31.638	0.058	34.704	0.131	34.720	0.206	34.736	0.269	34.757	0.336
31.646	0.100	31.657	0.024	31.671	0.121	31.688	0.104	34.772	0.378	34.787	0.428	34.805	0.441	34.820	0.436
31.699	0.129	31.713	0.133	31.733	0.137	31.749	0.137	34.832	0.390	34.840	0.356	34.856	0.331	34.867	0.297
31.763	0.162	31.781	0.200	31.795	0.259	31.811	0.305	34.882	0.251	34.904	0.200	34.914	0.200	34.928	0.208
31.832	0.351	31.853	0.397	31.873	0.435	31.892	0.418	34.942	0.233	34.958	0.275	34.974	0.339	34.990	0.405
31.912	0.422	31.932	0.451	31.950	0.451	31.968	0.451	35.006	0.468	35.018	0.493	35.026	0.493	35.040	0.446
31.984	0.425	31.993	0.396	32.007	0.367	32.019	0.345	35.053	0.396	35.062	0.354	35.078	0.332	35.093	0.315
32.032	0.320	32.043	0.312	32.054	0.320	32.066	0.332	35.106	0.303	35.118	0.252	35.135	0.164	35.150	0.126
32.074	0.341	32.085	0.345	32.105	0.332	32.121	0.290	35.168	0.126	35.179	0.134	35.195	0.155	35.216	0.209
32.132	0.261	32.145	0.227	32.157	0.181	32.168	0.126	35.235	0.267	35.255	0.309	35.275	0.351	35.289	0.367
32.179	0.096	32.194	0.067	32.207	0.050	32.220	0.029	35.308	0.388	35.320	0.388	35.334	0.350	35.351	0.321
32.233	0.012	32.247	0.012	32.268	0.045	32.288	0.095	35.367	0.312	35.378	0.320	35.390	0.337	35.402	0.366
32.309	0.125	32.328	0.137	32.345	0.137	32.358	0.145	35.419	0.362	35.437	0.324	35.453	0.307	35.466	0.327
32.372	0.183	32.390	0.183	32.406	0.182	32.425	0.191	35.486	0.381	35.505	0.445	35.516	0.449	35.530	0.423
32.443	0.191	32.459	0.190	32.475	0.186	32.489	0.165	35.546	0.394	35.562	0.351	35.576	0.360	35.594	0.385
32.503	0.173	32.518	0.177	32.533	0.169	32.546	0.181	35.613	0.368	35.637	0.313	35.660	0.241	35.672	0.186
32.563	0.214	32.578	0.210	32.592	0.227	32.608	0.231	35.693	0.178	35.714	0.148	35.735	0.110	35.755	0.064
32.622	0.235	32.634	0.235	32.650	0.214	32.664	0.218	35.770	0.005	35.786	-0.050	35.799	-0.084	35.817	-0.093
32.683	0.201	32.697	0.209	32.713	0.192	32.727	0.175	35.839	-0.093	35.854	-0.105	35.871	-0.135	35.888	-0.143
32.739	0.179	32.751	0.162	32.763	0.141	32.773	0.137	35.902	-0.122	35.918	-0.072	35.930	-0.021	35.943	0.025
32.780	0.111	32.791	0.115	32.808	0.090	32.818	0.073	35.958	0.058	35.972	0.096	35.985	0.092	35.999	0.058
32.821	0.086	32.827	0.048	32.836	0.065	32.851	0.060	36.019	-0.000	36.037	-0.059	36.050	-0.110	36.069	-0.181
32.859	0.035	32.872	0.047	32.882	0.035	32.893	0.035	36.086	-0.244	36.097	-0.269	36.109	-0.273	36.120	-0.244
32.903	0.035	32.914	0.047	32.927	0.055	32.940	0.064	36.134	-0.173	36.150	-0.089	36.162	-0.005	36.175	0.033
32.952	0.080	32.968	0.072	32.983	0.055	32.990	0.050	36.187	-0.037	36.204	-0.000	36.222	-0.072	36.239	-0.139
33.008	0.004	33.011	0.038	33.020	0.029	33.033	-0.005	36.250	-0.143	36.268	-0.118	36.284	-0.076	36.296	-0.072
33.041	0.020	33.054	0.020	33.062	0.016	33.067	0.033	36.311	-0.118	36.323	-0.185	36.336	-0.273	36.347	-0.340
33.074	0.037	33.082	0.037	33.093	0.020	33.100	0.020	36.359	-0.378	36.371	-0.387	36.380	-0.370	36.393	-0.349
33.107	0.028	33.114	-0.022	33.119	-0.027	33.125	0.007	36.405	-0.340	36.418	-0.311	36.433	-0.306	36.450	-0.290
33.129	0.028	33.138	-0.031	33.143	-0.048	33.150	-0.023	36.463	-0.277	36.477	-0.260	36.492	-0.247	36.509	-0.243
33.165	-0.019	33.180	-0.023	33.193	-0.019	33.211	-0.019	36.524	-0.252	36.541	-0.293	36.561	-0.335	36.579	-0.344
33.223	-0.023	33.229	0.023	33.240	0.031	33.249	0.060	36.595	-0.373	36.609	-0.427	36.625	-0.474	36.637	-0.490
33.258	0.098	33.267	0.073	33.280	0.136	33.288	0.119	36.784	-0.251	36.740	-0.133	36.756	-0.057	36.769	-0.032
33.298	0.114	33.312	0.102	33.326	0.055	33.340	0.009	36.854	-0.494	36.872	-0.486	36.888	-0.427	36.901	-0.356
33.353	-0.037	33.366	-0.058	33.381	-0.059	33.394	-0.076	36.914	-0.196	36.863	-0.141	36.886	-0.103	36.832	-0.217
33.408	-0.076	33.425	-0.084	33.439	-0.093	33.456	-0.093	36.987	-0.044	36.934	-0.024	36.951	-0.036	36.971	-0.044
33.475	-0.097	33.495	-0.081	33.506	-0.081	33.524	-0.060	37.043	0.027	37.061	0.027	37.075	0.002	37.093	-0.019
33.539	-0.056	33.558	-0.077	33.573	-0.077	33.588	-0.078	37.105	-0.015	37.118	0.010	37.133	0.035	37.145	0.052
33.603	-0.082	33.620	-0.116	33.638	-0.162	33.657	-0.200	37.162	0.077	37.178	0.119	37.193	0.153	37.209	0.195
33.670	-0.204	33.691	-0.179	33.709	-0.184	33.724	-0.171	37.224	0.245	37.240	0.283	37.253	0.304	37.267	0.321
33.742	-0.163	33.763	-0.121	33.779	-0.113	33.799	-0.122	37.282	0.308	37.297	0.258	37.310	0.245	37.323	0.296
33.821	-0.135	33.836	-0.114	33.854	-0.062	33.867	-0.009	37.339	0.304	37.352	0.321	37.364	0.312	37.379	0.262
33.886	0.016	33.900	0.045	33.914	0.062	33.929	0.041	37.401	0.254	37.411	0.249	37.426	0.275	37.445	0.380
33.947	0.011	33.965	-0.039	33.981	-0.052	33.995	-0.069	37.458	0.430	37.476	0.455	37.488	0.468	37.504	0.464
34.007	-0.098	34.017	-0.103	34.032	-0.141	34.052	-0.174	37.517	0.443	37.530	0.434	37.546	0.459	37.564	0.455
34.072	-0.179	34.088	-0.187	34.105	-0.183	34.127	-0.179	37.579	0.472	37.600	0.501	37.614	0.501	37.632	0.485
34.138	-0.154	34.156	-0.083	34.171	-0.012	34.186	0.018	37.651	0.455	37.665	0.434	37.680	0.417	37.695	0.438
34.203	0.026	34.218	-0.013	34.230	-0.029	34.246	-0.071	37.713	0.434	37.725	0.468	37.740	0.493	37.763	0.476
34.257	0.092	34.269	-0.134	34.278	-0.139	34.291	-0.118								
34.307	-0.055	34.324	-0.000	34.335	0.029	34.350	0.033								



37.781	0.438	37.802	0.409	37.822	0.409	37.840	0.401
37.862	0.400	37.879	0.409	37.897	0.430	37.917	0.455
37.937	0.450	37.950	0.438	37.966	0.413	37.984	0.387
38.001	0.366	38.018	0.375	38.033	0.370	38.049	0.383
38.067	0.358	38.082	0.345	38.097	0.320	38.114	0.324
38.132	0.320	38.149	0.273	38.163	0.252	38.176	0.244
38.185	0.248	38.198	0.260	38.212	0.260	38.226	0.252
38.247	0.235	38.260	0.227	38.275	0.201	38.286	0.159
38.305	0.109	38.325	0.075	38.350	0.046	38.370	0.016
38.392	0.009	38.414	-0.022	38.432	-0.039	38.450	-0.085
38.465	-0.115	38.481	-0.111	38.495	-0.107	38.515	-0.120
38.532	-0.128	38.554	-0.111	38.577	-0.099	38.599	-0.087
38.622	-0.087	38.642	-0.142	38.663	-0.247	38.684	-0.322
38.699	-0.344	38.723	-0.340	38.740	-0.357	38.763	-0.373
38.783	-0.378	38.803	-0.361	38.825	-0.311	38.845	-0.240
38.858	-0.198	38.872	-0.190	38.892	-0.207	38.906	-0.211
38.924	-0.236	38.942	-0.274	38.957	-0.291	38.969	-0.321
38.984	-0.338	38.995	-0.342	39.005	-0.346	39.019	-0.334
39.031	-0.322	39.044	-0.313	39.058	-0.297	39.077	-0.288
39.090	-0.259	39.105	-0.234	39.122	-0.201	39.140	-0.172
39.151	-0.155	39.164	-0.151	39.182	-0.147	39.200	-0.143
39.215	-0.135	39.226	-0.135	39.240	-0.126	39.255	-0.127
39.268	-0.131	39.282	-0.114	39.299	-0.102	39.317	-0.081
39.338	-0.069	39.359	-0.048	39.373	-0.031	39.392	-0.027
39.412	-0.044	39.428	-0.069	39.447	-0.095	39.467	-0.090
39.486	-0.070	39.500	-0.045	39.520	-0.024	39.538	0.001
39.552	0.018	39.571	0.039	39.588	0.073	39.603	0.098
39.618	0.114	39.633	0.118	39.649	0.110	39.664	0.114
39.678	0.118	39.692	0.152	39.702	0.177	39.718	0.185
39.730	0.193	39.747	0.172	39.763	0.151	39.776	0.176
39.787	0.197	39.806	0.214	39.821	0.231	39.837	0.235
39.850	0.235	39.867	0.268	39.880	0.281	39.894	0.272
39.910	0.285	39.927	0.297	39.944	0.322	39.963	0.312
39.978	0.360	39.991	0.355	40.007	0.339	40.022	0.347
40.035	0.347	40.053	0.351	40.067	0.355	40.084	0.372
40.101	0.351	40.116	0.308	40.131	0.250	40.149	0.233
40.168	0.241	40.187	0.228	40.202	0.237	40.217	0.249
40.230	0.249	40.250	0.266	40.267	0.211	40.284	0.165
40.301	0.156	40.322	0.164	40.338	0.185		



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71-026 2/9/71 0600PST L.A. 15250 VENTURA BLVD. 7TH FL. N79W

3490 POINTS 40.320 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 0.5818 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.038	0.017	0.007	0.035	-0.001	0.048	0.019	1.795	-0.223	1.809	-0.251	1.816	-0.223	1.826	-0.195	1.839	-0.195
0.055	0.067	0.072	0.192	0.083	0.224	0.087	0.224	1.842	0.047	1.848	0.099	1.859	0.099	1.869	0.071	1.889	0.071
0.093	0.200	0.102	0.127	0.111	0.099	0.123	0.071	1.877	0.059	1.890	0.091	1.905	0.119	1.922	0.111	1.942	0.111
0.134	0.043	0.143	0.069	0.155	-0.038	0.161	-0.025	1.934	0.083	1.958	0.017	1.968	-0.062	1.978	-0.046	1.998	-0.046
0.176	0.027	0.182	0.059	0.191	0.083	0.201	0.067	1.992	0.005	2.010	0.079	2.025	0.216	2.040	0.352	2.060	0.352
0.210	0.031	0.220	-0.025	0.229	-0.046	0.249	-0.017	2.052	0.401	2.063	0.425	2.072	0.393	2.093	0.276	2.113	0.276
0.256	-0.001	0.272	-0.017	0.282	-0.021	0.289	-0.001	2.122	0.115	2.143	0.007	2.155	-0.138	2.165	-0.194	2.185	-0.194
0.302	0.059	0.313	0.095	0.324	0.087	0.337	0.059	2.173	0.235	2.187	0.239	2.196	-0.226	2.208	-0.170	2.228	-0.170
0.365	0.059	0.377	0.055	0.386	0.035	0.398	-0.001	2.229	0.027	2.240	0.095	2.257	0.184	2.267	0.232	2.287	0.232
0.409	0.003	0.419	0.027	0.434	0.099	0.442	0.123	2.278	0.240	2.288	0.216	2.317	0.111	2.331	0.059	2.351	0.059
0.455	0.103	0.465	0.075	0.475	0.083	0.482	0.115	2.341	-0.013	2.350	0.102	2.359	-0.162	2.373	0.050	2.393	0.050
0.491	0.159	0.497	0.176	0.506	0.147	0.515	0.019	2.386	-0.174	2.400	-0.102	2.410	-0.058	2.428	-0.050	2.448	-0.050
0.525	-0.038	0.534	-0.082	0.545	-0.098	0.559	-0.021	2.439	-0.050	2.443	-0.034	2.461	0.095	2.472	0.183	2.492	0.183
0.584	0.047	0.595	0.103	0.604	0.087	0.608	0.047	2.484	0.251	2.496	0.284	2.507	0.251	2.515	0.187	2.535	0.187
0.614	-0.021	0.624	-0.070	0.635	-0.078	0.645	-0.062	2.527	0.054	2.538	0.014	2.556	0.010	2.563	-0.022	2.583	-0.022
0.664	-0.005	0.681	0.035	0.687	0.083	0.696	0.127	2.580	0.075	2.593	-0.091	2.603	-0.055	2.622	0.054	2.642	0.054
0.704	0.143	0.712	0.123	0.724	0.111	0.738	0.159	2.634	0.176	2.644	0.162	2.657	0.158	2.670	0.054	2.690	0.054
0.751	-0.143	0.759	0.111	0.762	0.039	0.774	-0.102	2.679	0.017	2.690	0.038	2.703	0.170	2.712	0.230	2.732	0.230
0.780	-0.166	0.788	-0.182	0.796	-0.170	0.807	-0.082	2.724	0.254	2.736	0.230	2.756	0.049	2.768	-0.035	2.788	-0.035
0.817	0.019	0.828	0.075	0.838	0.107	0.850	0.123	2.776	-0.071	2.785	-0.079	2.800	-0.067	2.824	-0.023	2.844	-0.023
0.860	0.095	0.868	0.003	0.876	0.050	0.887	-0.090	2.849	0.005	2.870	0.021	2.890	0.093	2.898	0.117	2.918	0.117
0.897	-0.078	0.905	-0.037	0.912	0.071	0.920	0.128	2.912	0.012	2.924	-0.121	2.929	-0.157	2.939	0.185	2.959	0.185
0.929	0.160	0.938	0.164	0.951	0.116	0.964	0.040	2.961	-0.170	2.970	-0.129	2.977	-0.109	2.986	-0.077	3.006	-0.077
0.968	-0.033	0.983	-0.089	0.990	-0.089	1.002	-0.061	3.053	-0.303	3.059	-0.267	3.083	-0.059	3.114	0.234	3.134	0.234
1.009	0.008	1.012	0.120	1.018	0.173	1.024	0.193	3.096	-0.037	3.102	-0.122	3.103	-0.219	3.104	0.275	3.124	0.275
1.037	0.185	1.043	0.141	1.064	0.073	1.074	0.004	3.140	0.507	3.148	0.547	3.157	0.523	3.184	0.402	3.204	0.402
1.088	-0.036	1.098	-0.024	1.108	-0.016	1.117	-0.003	3.197	0.089	3.207	0.096	3.218	0.064	3.233	0.084	3.253	0.084
1.129	-0.031	1.141	-0.043	1.151	-0.023	1.177	0.009	3.242	0.080	3.264	0.027	3.279	-0.009	3.291	0.011	3.311	0.011
1.190	0.061	1.198	0.106	1.207	0.118	1.211	0.110	3.301	0.031	3.312	0.059	3.322	0.038	3.336	0.002	3.356	0.002
1.263	0.006	1.280	-0.006	1.294	-0.015	1.251	0.006	3.355	-0.115	3.364	-0.139	3.375	-0.135	3.387	-0.119	3.407	-0.119
1.318	-0.075	1.327	0.042	1.340	-0.022	1.353	0.058	3.396	-0.091	3.411	-0.112	3.429	-0.144	3.438	-0.164	3.458	-0.164
1.362	-0.050	1.379	0.019	1.393	0.087	1.400	0.127	3.448	-0.229	3.460	-0.253	3.465	-0.221	3.481	-0.145	3.496	-0.145
1.408	0.132	1.415	0.107	1.432	0.027	1.444	-0.001	3.497	0.007	3.516	0.048	3.523	0.196	3.530	0.188	3.546	0.188
1.460	-0.011	1.477	-0.009	1.492	-0.004	1.513	0.020	3.538	0.103	3.553	0.126	3.569	0.066	3.580	0.074	3.596	0.074
1.529	-0.004	1.545	0.016	1.554	0.044	1.566	0.089	3.584	0.102	3.593	0.114	3.604	0.074	3.611	0.013	3.628	0.013
1.582	0.081	1.593	0.053	1.606	0.017	1.617	0.093	3.619	-0.023	3.632	0.065	3.648	0.141	3.657	0.209	3.671	0.209
1.635	0.174	1.648	0.294	1.657	0.359	1.666	0.367	3.663	0.233	3.677	0.173	3.698	0.080	3.717	0.019	3.737	0.019
1.676	0.327	1.685	0.262	1.700	0.070	1.712	0.001	3.728	0.007	3.755	0.264	3.779	0.465	3.787	0.501	3.803	0.501
1.719	-0.043	1.738	-0.051	1.753	-0.067	1.775	-0.147	3.800	0.512	3.809	0.464	3.817	0.363	3.835	0.013	3.853	0.013
								3.844	-0.079	3.852	-0.144	3.858	-0.132	3.868	-0.100	3.883	-0.100



3.873	-0.068	3.882	-0.080	3.891	-0.148	3.900	-0.213	6.357	-0.468	6.372	-0.174	6.385	0.123	6.393	0.244
3.914	-0.025	3.938	-0.141	3.954	-0.133	3.984	-0.110	6.407	0.312	6.420	0.428	6.434	0.496	6.450	0.476
4.007	-0.074	4.030	-0.090	4.038	-0.083	4.051	-0.034	6.474	0.440	6.491	0.488	6.503	0.504	6.513	0.471
4.061	-0.035	4.081	-0.160	4.086	-0.264	4.098	-0.301	6.528	0.471	6.537	0.423	6.546	0.339	6.557	0.294
4.107	-0.232	4.118	-0.015	4.132	0.366	4.140	0.499	6.566	0.370	6.578	0.507	6.585	0.648	6.597	0.720
4.150	0.523	4.158	0.482	4.168	0.289	4.179	0.037	6.602	0.744	6.619	0.764	6.627	0.796	6.636	0.796
4.187	0.137	4.202	-0.182	4.213	0.142	4.226	-0.162	6.646	0.776	6.653	0.739	6.663	0.530	6.677	0.301
4.235	-0.166	4.244	-0.130	4.264	0.111	4.278	0.412	6.687	0.076	6.706	-0.354	6.711	-0.499	6.720	-0.548
4.286	0.557	4.297	0.597	4.305	0.589	4.313	0.540	6.728	-0.552	6.741	-0.508	6.754	-0.492	6.765	-0.548
4.323	0.532	4.332	0.560	4.340	0.620	4.347	0.660	6.777	-0.637	6.790	-0.665	6.804	-0.577	6.816	-0.545
4.359	0.624	4.364	0.543	4.372	0.451	4.394	0.185	6.825	-0.557	6.849	-0.625	6.870	-0.710	6.876	-0.798
4.405	-0.032	4.416	-0.209	4.424	-0.301	4.437	-0.273	6.888	-0.867	6.893	-0.883	6.903	-0.807	6.915	-0.807
4.455	-0.100	4.463	-0.008	4.472	0.028	4.500	0.024	6.928	-0.666	6.938	-0.518	6.950	-0.220	6.960	-0.052
4.514	-0.004	4.537	-0.169	4.551	-0.346	4.569	-0.487	6.965	0.089	6.970	0.230	6.975	0.535	6.986	0.945
4.579	-0.539	4.591	-0.555	4.613	-0.531	4.626	-0.487	7.001	1.355	7.005	1.439	7.015	1.479	7.025	1.443
4.637	-0.523	4.648	-0.290	4.657	-0.150	4.671	0.095	7.043	1.298	7.066	0.984	7.080	0.884	7.090	0.872
4.676	0.204	4.685	0.264	4.694	0.280	4.706	0.248	7.121	0.506	7.131	0.373	7.137	0.337	7.148	0.308
4.712	0.192	4.724	0.367	4.729	-0.046	4.741	-0.090	7.156	0.288	7.161	0.252	7.175	0.255	7.183	0.107
4.756	-0.062	4.756	-0.062	4.764	0.014	4.772	0.151	7.192	0.155	7.207	0.247	7.217	0.255	7.222	0.203
4.780	0.372	4.785	0.581	4.796	0.834	4.801	0.894	7.228	0.119	7.258	0.030	7.273	0.066	7.285	0.066
4.809	0.919	4.821	0.838	4.836	0.906	4.850	0.991	7.291	-0.007	7.300	-0.143	7.313	-0.244	7.330	-0.164
4.857	1.015	4.874	1.007	4.885	1.027	4.897	0.979	7.340	0.117	7.350	0.338	7.352	0.419	7.361	0.487
4.910	0.798	4.918	0.677	4.923	0.529	4.929	0.344	7.372	0.415	7.383	0.242	7.392	0.105	7.404	0.029
4.936	0.207	4.948	-0.066	4.969	-0.307	4.990	-0.516	7.412	-0.072	7.427	-0.301	7.441	-0.836	7.452	-1.173
4.999	-0.822	5.007	-0.966	5.016	-1.059	5.031	-1.083	7.455	-1.274	7.461	-1.326	7.463	-1.334	7.470	-1.310
5.038	-1.139	5.052	-1.316	5.059	-1.436	5.067	-1.484	7.475	-1.254	7.481	-1.097	7.488	-0.972	7.497	-0.912
5.079	-1.400	5.090	-1.211	5.105	-0.817	5.115	-0.439	7.512	-0.896	7.528	-0.828	7.540	-0.735	7.549	-0.635
5.124	-0.238	5.130	-0.089	5.142	-0.033	5.149	-0.053	7.556	-0.474	7.561	-0.197	7.571	0.113	7.576	0.467
5.159	0.198	5.165	-0.238	5.180	-0.222	5.203	0.133	7.585	0.631	7.591	0.692	7.597	0.712	7.610	0.812
5.231	0.233	5.242	0.631	5.249	0.912	5.299	1.616	7.623	0.720	7.635	0.523	7.648	0.225	7.664	0.093
5.260	1.113	5.274	1.278	5.290	1.520	5.309	1.616	7.676	0.213	7.682	0.382	7.690	0.458	7.695	0.454
5.314	1.596	5.326	1.516	5.331	1.456	5.338	1.162	7.702	0.406	7.712	0.378	7.730	0.338	7.746	0.370
5.363	0.186	5.373	-0.036	5.389	-0.216	5.397	-0.216	7.759	0.394	7.780	0.784	7.785	0.928	7.795	1.013
5.387	-0.253	5.394	-0.232	5.406	-0.164	5.421	0.202	7.808	0.936	7.825	0.691	7.836	0.414	7.848	0.197
5.428	0.403	5.433	0.491	5.436	0.531	5.442	0.560	7.861	-0.008	7.867	-0.101	7.875	-0.129	7.885	-0.129
5.460	0.867	5.460	0.427	5.465	0.294	5.484	-0.405	7.895	-0.113	7.901	-0.105	7.910	-0.121	7.917	-0.169
5.500	-0.867	5.508	-0.980	5.516	-1.153	5.522	-1.225	7.922	-0.334	7.934	-0.736	7.943	-1.500	7.955	-1.845
5.528	-1.269	5.531	-1.285	5.538	-1.249	5.541	-1.217	7.960	-1.930	7.965	-1.942	7.970	-1.906	7.981	-1.757
5.550	-1.133	5.559	-1.088	5.565	-1.064	5.579	-1.028	7.985	-1.580	7.994	-1.487	8.002	-1.250	8.008	-1.081
5.589	-0.944	5.597	-0.839	5.603	-0.722	5.613	-0.602	8.019	-0.957	8.031	-0.933	8.042	-0.892	8.049	-0.776
5.625	-0.537	5.634	-0.574	5.643	-0.594	5.651	-0.521	8.056	-0.539	8.065	-0.454	8.073	-0.338	8.077	-0.249
5.661	-0.212	5.670	-0.110	5.679	0.295	5.686	0.427	8.088	-0.213	8.094	-0.273	8.105	-0.374	8.113	-0.438
5.694	0.512	5.708	0.552	5.713	0.516	5.721	0.460	8.120	-0.478	8.129	-0.470	8.140	-0.430	8.151	-0.366
5.730	0.436	5.741	0.456	5.748	0.508	5.756	0.584	8.162	-0.345	8.168	-0.273	8.174	-0.112	8.185	0.181
5.765	0.629	5.774	0.633	5.784	0.584	5.795	0.480	8.193	0.370	8.205	0.800	8.214	0.989	8.219	1.102
5.804	0.363	5.814	0.174	5.825	-0.047	5.831	-0.211	8.226	1.142	8.230	1.166	8.236	1.134	8.242	1.033
5.840	-0.260	5.846	-0.272	5.861	-0.211	5.871	-0.159	8.249	0.889	8.254	0.828	8.263	0.780	8.275	0.728
5.882	-0.131	5.892	-0.191	5.904	-0.288	5.922	-0.184	8.287	0.684	8.302	0.736	8.311	0.764	8.320	0.744
5.936	0.062	5.945	0.271	5.957	0.447	5.964	0.596	8.331	0.660	8.340	0.467	8.347	0.330	8.360	-0.003
5.972	0.660	5.996	0.668	6.011	0.636	6.023	0.572	8.369	-0.112	8.378	-0.208	8.386	-0.221	8.392	-0.201
6.035	0.463	6.047	0.358	6.060	0.121	6.071	0.000	8.402	-0.068	8.413	0.137	8.420	0.205	8.426	0.233
6.080	-0.100	6.092	-0.185	6.098	-0.157	6.111	-0.165	8.436	0.217	8.441	0.229	8.452	0.342	8.457	0.430
6.124	-0.177	6.134	-0.209	6.143	-0.261	6.149	-0.450	8.463	0.535	8.468	0.571	8.479	0.583	8.480	0.554
6.164	-0.631	6.179	-0.760	6.193	-0.732	6.218	-0.820	8.486	0.426	8.505	-0.004	8.515	-0.374	8.531	-1.054
6.236	-0.760	6.261	-0.720	6.269	-0.680	6.281	-0.572	8.537	-1.263	8.545	-1.525	8.550	-1.625	8.557	-1.677
6.296	-0.507	6.315	-0.644	6.335	-0.773	6.345	-0.669	8.562	-1.677	8.573	-1.633	8.580	-1.549	8.582	-1.448



8.590	-1.328	8.596	-1.139	8.602	-0.898	8.607	-0.669	10.434	-0.236	10.447	-0.312	10.453	-0.432	10.459	-0.473
8.616	-0.500	8.619	-0.311	8.631	-0.034	8.633	0.111	10.464	-0.457	10.474	-0.372	10.484	-0.127	10.490	0.042
8.642	0.256	8.646	0.384	8.656	0.650	8.665	0.867	10.496	0.179	10.509	0.271	10.518	0.363	10.525	0.400
8.667	0.963	8.670	1.027	8.677	1.108	8.680	1.148	10.545	0.460	10.548	0.492	10.554	0.597	10.563	0.798
8.687	1.196	8.692	1.212	8.698	1.192	8.704	1.176	10.567	0.986	10.576	1.119	10.581	1.252	10.588	1.304
8.713	1.091	8.716	1.007	8.720	0.906	8.726	0.778	10.597	1.348	10.608	1.312	10.620	1.248	10.626	1.167
8.730	0.653	8.733	0.468	8.741	0.303	8.745	0.146	10.635	0.982	10.645	0.765	10.649	0.601	10.658	0.279
8.749	0.022	8.754	-0.091	8.761	-0.151	8.767	-0.228	10.666	0.014	10.678	-0.312	10.687	-0.412	10.697	-0.473
8.776	0.292	8.781	-0.324	8.791	-0.336	8.796	-0.302	10.707	-0.509	10.713	-0.573	10.728	-0.847	10.740	-1.168
8.803	-0.292	8.809	-0.180	8.818	-0.059	8.824	0.102	10.748	-1.506	10.764	-1.659	10.773	-1.638	10.778	-1.570
8.832	0.158	8.838	0.206	8.844	0.258	8.858	0.302	10.783	-1.458	10.789	-1.228	10.797	-0.991	10.807	-0.589
8.869	0.318	8.885	0.246	8.897	0.217	8.905	0.165	10.816	-0.376	10.824	-0.256	10.836	-0.211	10.845	-0.231
8.917	-0.004	8.921	-0.133	8.929	-0.386	8.936	-0.478	10.859	-0.280	10.869	-0.324	10.885	-0.356	10.895	-0.328
8.944	-0.503	8.952	-0.483	8.964	-0.386	8.970	-0.334	10.905	-0.264	10.921	-0.119	10.935	0.077	10.947	0.335
8.980	-0.334	8.991	-0.270	8.997	-0.178	9.012	0.027	10.957	0.576	10.967	0.769	10.973	0.809	10.977	0.825
9.026	0.200	9.034	0.421	9.044	0.670	9.050	0.903	10.984	0.801	10.990	0.724	10.997	0.624	11.007	0.531
9.056	0.992	9.073	1.205	9.083	1.233	9.091	1.224	11.016	0.483	11.026	0.507	11.037	0.579	11.045	0.599
9.105	1.269	9.120	1.244	9.136	1.288	9.150	1.288	11.052	0.575	11.061	0.482	11.069	0.414	11.077	0.374
9.161	1.248	9.167	1.179	9.173	1.023	9.179	0.661	11.088	0.342	11.095	0.273	11.103	0.205	11.111	0.181
9.188	0.275	9.194	-0.139	9.201	-0.473	9.206	-0.626	11.119	0.221	11.127	0.325	11.136	0.526	11.144	0.743
9.216	-0.771	9.225	-0.783	9.233	-0.763	9.240	-0.715	11.151	0.840	11.158	0.864	11.169	0.831	11.176	0.727
9.244	-0.650	9.252	-0.538	9.262	-0.417	9.269	-0.281	11.186	0.614	11.193	0.546	11.200	0.566	11.209	0.642
9.278	-0.281	9.288	-0.269	9.297	-0.269	9.302	-0.281	11.220	0.779	11.229	0.891	11.236	0.963	11.242	0.975
9.310	-0.337	9.322	-0.531	9.337	-0.828	9.345	-0.949	11.248	0.959	11.254	0.859	11.266	0.618	11.277	0.372
9.350	-0.969	9.359	-0.929	9.366	-0.752	9.373	-0.603	11.287	0.087	11.298	-0.259	11.313	-0.798	11.325	-1.055
9.377	-0.491	9.382	-0.430	9.388	-0.398	9.397	-0.471	11.337	-1.381	11.351	-1.711	11.362	-1.960	11.369	-2.105
9.409	-0.724	9.421	-1.046	9.426	-1.299	9.431	-1.387	11.376	-2.157	11.382	-2.169	11.387	-2.125	11.395	-1.964
9.436	-1.419	9.447	-1.351	9.461	-1.013	9.474	-0.619	11.405	-1.574	11.413	-1.184	11.422	-0.875	11.431	-0.585
9.485	-0.161	9.492	0.249	9.500	0.542	9.503	0.788	11.439	-0.473	11.449	-0.396	11.461	-0.356	11.467	-0.332
9.512	1.141	9.524	1.579	9.532	1.977	9.540	2.255	11.476	-0.259	11.483	-0.199	11.491	-0.167	11.500	-0.195
9.544	2.395	9.555	2.488	9.565	2.395	9.576	2.243	11.509	-0.316	11.521	-0.364	11.529	-0.336	11.539	-0.203
9.582	2.162	9.590	2.006	9.600	1.640	9.608	1.391	11.553	0.026	11.565	0.215	11.581	0.488	11.595	0.802
9.614	1.117	9.619	0.968	9.623	0.591	9.629	0.112	11.607	1.059	11.622	1.232	11.629	1.284	11.637	1.305
9.635	-0.451	9.642	-0.941	9.647	-1.255	9.655	-1.447	11.644	1.276	11.655	1.144	11.670	0.846	11.688	0.485
9.656	-1.548	9.661	-1.596	9.670	-1.548	9.677	-1.415	11.701	0.131	11.715	-0.351	11.723	-0.621	11.733	-0.798
9.688	-1.311	9.696	-1.315	9.705	-1.303	9.712	-1.311	11.763	-0.898	11.752	-0.890	11.759	-0.830	11.766	-0.701
9.728	0.957	9.737	0.595	9.743	-0.366	9.753	-0.113	11.779	-0.564	11.791	-0.424	11.799	-0.375	11.807	-0.359
9.759	0.064	9.765	0.160	9.774	0.197	9.784	0.148	11.817	-0.375	11.830	-0.399	11.842	-0.415	11.854	-0.379
9.794	0.008	9.808	-0.169	9.820	-0.374	9.827	-0.595	11.862	-0.359	11.868	-0.351	11.875	-0.379	11.884	-0.431
9.832	-0.676	9.837	-0.692	9.846	-0.692	9.851	-0.664	11.902	-0.463	11.909	-0.435	11.922	-0.362	11.931	-0.302
9.859	-0.603	9.864	-0.523	9.867	-0.434	9.876	-0.330	11.939	-0.278	11.943	-0.265	11.949	-0.285	11.958	-0.362
9.887	-0.306	9.901	-0.294	9.911	-0.282	9.917	-0.261	11.968	-0.631	11.979	-0.920	11.987	-1.081	11.994	-1.121
9.926	0.189	9.935	-0.117	9.941	-0.044	9.948	0.040	12.000	-1.072	12.010	-0.863	12.022	-0.525	12.030	-0.332
9.954	0.064	9.963	0.064	9.972	0.048	9.979	0.072	12.036	-0.216	12.041	-0.200	12.048	-0.224	12.055	-0.324
9.988	0.149	9.989	0.185	9.995	0.257	10.001	0.282	12.060	-0.416	12.070	-0.505	12.079	-0.545	12.083	-0.549
10.007	0.253	10.016	0.169	10.023	0.093	10.031	-0.008	12.091	-0.524	12.099	-0.440	12.107	-0.315	12.118	-0.178
10.040	-0.072	10.050	-0.036	10.055	0.016	10.066	0.057	12.129	-0.086	12.137	-0.045	12.147	-0.025	12.155	-0.041
10.072	0.041	10.080	0.001	10.090	-0.136	10.100	-0.172	12.165	-0.077	12.174	-0.133	12.184	-0.258	12.191	-0.382
10.116	-0.200	10.127	-0.160	10.136	-0.160	10.145	-0.168	12.204	-0.527	12.214	-0.583	12.224	-0.538	12.234	-0.389
10.154	-0.256	10.163	-0.281	10.172	-0.232	10.181	-0.120	12.246	-0.172	12.258	0.142	12.271	0.423	12.277	0.580
10.189	-0.079	10.199	-0.087	10.213	-0.172	10.224	-0.349	12.286	0.641	12.298	0.556	12.306	0.363	12.318	0.098
10.234	-0.594	10.240	-0.827	10.255	-1.056	10.275	-1.076	12.325	-0.094	12.329	-0.139	12.333	-0.151	12.340	-0.126
10.297	-1.168	10.320	-1.156	10.320	-1.044	10.330	-0.891	12.345	-0.034	12.353	0.139	12.362	0.388	12.371	0.561
10.343	-0.553	10.350	-0.348	10.355	-0.167	10.364	-0.047	12.380	0.602	12.390	0.558	12.402	0.445	12.420	0.305
10.367	0.070	10.374	0.154	10.377	0.203	10.386	0.231	12.436	0.180	12.446	0.108	12.456	0.064	12.468	-0.024
10.395	0.195	10.401	0.166	10.410	0.002	10.420	-0.135	12.482	-0.113	12.493	-0.145	12.500	-0.161	12.505	-0.140



12.513	-0.108	12.520	-0.100	12.527	-0.124	12.536	-0.184	14.951	-0.593	14.964	-0.642	14.978	-0.726	14.989	-0.774
12.542	-0.285	12.569	-0.357	12.560	-0.389	12.569	-0.357	14.999	-0.746	15.012	-0.694	15.024	-0.610	15.034	-0.549
12.578	-0.236	12.586	-0.151	12.593	-0.099	12.605	-0.083	15.047	-0.521	15.059	-0.529	15.077	-0.549	15.091	-0.562
12.619	-0.095	12.628	-0.127	12.640	-0.159	12.646	-0.098	15.106	-0.370	15.115	-0.533	15.128	-0.481	15.140	-0.341
12.655	-0.006	12.664	0.103	12.673	0.135	12.676	0.127	15.150	-0.240	15.157	-0.069	15.164	-0.116	15.169	-0.039
12.694	-0.095	12.704	0.135	12.715	0.204	12.722	0.224	15.176	-0.023	15.182	-0.069	15.193	0.077	15.200	-0.085
12.732	-0.208	12.740	0.132	12.749	0.015	12.756	-0.049	15.207	0.049	15.214	-0.011	15.227	-0.007	15.240	-0.043
12.762	-0.065	12.773	-0.049	12.787	-0.024	12.795	-0.012	15.254	-0.007	15.262	-0.077	15.276	0.113	15.285	0.158
12.804	-0.028	12.820	-0.052	12.829	-0.064	12.837	-0.040	15.296	0.174	15.302	0.182	15.313	0.154	15.326	0.129
12.850	-0.049	12.862	0.133	12.875	0.258	12.888	0.343	15.333	0.153	15.341	0.214	15.355	0.238	15.363	0.306
12.904	0.395	12.918	0.435	12.928	0.488	12.939	0.580	15.375	0.387	15.386	0.411	15.399	0.379	15.408	0.214
12.954	0.749	12.972	0.986	12.984	1.115	12.994	1.212	15.420	0.206	15.429	0.146	15.436	0.090	15.444	0.053
13.005	1.240	13.015	1.220	13.023	1.184	13.029	1.087	15.453	0.066	15.463	0.126	15.473	0.146	15.484	0.186
13.040	0.838	13.058	0.577	13.058	0.372	13.072	0.199	15.494	0.216	15.511	0.299	15.523	0.315	15.535	0.363
13.082	0.095	13.094	0.019	13.100	0.007	13.110	0.023	15.542	0.376	15.555	0.364	15.564	0.327	15.571	0.267
13.120	0.091	13.128	0.147	13.139	0.164	13.149	0.124	15.581	0.143	15.591	0.002	15.599	-0.086	15.610	-0.135
13.159	0.039	13.173	-0.089	13.186	-0.214	13.199	-0.342	15.619	-0.155	15.628	-0.130	15.638	-0.066	15.649	0.022
13.207	-0.383	13.214	-0.399	13.224	-0.374	13.233	-0.262	15.659	0.083	15.670	0.103	15.683	0.106	15.690	0.067
13.247	-0.016	13.259	0.201	13.272	0.390	13.282	0.547	15.702	-0.013	15.716	-0.074	15.732	-0.106	15.748	-0.134
13.289	0.595	13.295	0.615	13.303	0.603	13.309	0.551	15.765	-0.134	15.781	-0.121	15.797	-0.085	15.812	-0.037
13.320	0.442	13.332	0.378	13.346	0.326	13.363	0.298	15.825	-0.024	15.839	-0.116	15.853	0.245	15.868	0.349
13.379	0.258	13.389	0.190	13.404	0.077	13.410	0.013	15.882	0.478	15.896	0.587	15.908	0.647	15.921	0.687
13.418	-0.003	13.429	0.009	13.438	0.070	13.449	0.174	15.937	0.699	15.951	0.707	15.963	0.736	15.972	0.748
13.464	0.351	13.475	0.440	13.484	0.464	13.492	0.444	15.978	0.728	15.987	0.768	15.999	0.764	16.011	0.720
13.502	0.372	13.510	0.271	13.518	0.203	13.528	0.147	16.022	0.672	16.030	0.571	16.041	0.479	16.058	0.418
13.543	0.139	13.554	0.147	13.566	0.111	13.576	0.051	16.070	0.394	16.085	0.374	16.098	0.386	16.117	0.379
13.593	-0.046	13.606	-0.134	13.623	-0.251	13.632	-0.311	16.133	0.346	16.153	0.318	16.167	0.310	16.179	0.222
13.649	-0.343	13.662	-0.323	13.670	-0.290	13.679	-0.210	16.192	0.246	16.202	0.158	16.215	0.021	16.227	-0.075
13.688	-0.053	13.699	0.080	13.713	0.200	13.726	0.301	16.234	-0.212	16.248	-0.340	16.258	-0.377	16.271	-0.344
13.738	0.390	13.752	0.438	13.761	0.478	13.773	0.571	16.287	-0.308	16.304	-0.264	16.317	-0.163	16.334	-0.059
13.783	0.635	13.791	0.651	13.797	0.635	13.809	0.539	16.343	0.038	16.352	0.154	16.362	0.199	16.372	0.199
13.816	0.398	13.824	0.246	13.834	0.065	13.843	-0.124	16.383	0.227	16.397	0.247	16.411	0.235	16.425	0.215
13.851	-0.257	13.858	-0.301	13.863	-0.317	13.866	-0.293	16.437	0.162	16.446	0.154	16.456	0.178	16.471	0.247
13.873	-0.224	13.884	-0.088	13.893	0.021	13.900	0.065	16.485	0.291	16.499	0.323	16.512	0.311	16.524	0.255
13.912	0.082	13.921	0.074	13.933	0.074	13.942	0.126	16.538	0.190	16.553	0.158	16.567	0.174	16.590	0.190
13.954	0.219	13.962	0.331	13.977	0.468	13.985	0.537	16.599	0.174	16.612	0.142	16.625	0.178	16.640	0.278
13.992	0.577	14.001	0.589	14.008	0.565	14.016	0.473	16.651	0.379	16.665	0.415	16.675	0.391	16.683	0.343
14.024	0.244	14.039	-0.046	14.052	-0.319	14.065	-0.536	16.693	0.194	16.705	0.021	16.717	-0.116	16.721	-0.148
14.074	-0.624	14.083	-0.672	14.094	-0.688	14.106	-0.684	16.728	-0.156	16.738	-0.120	16.746	-0.047	16.764	0.117
14.116	-0.684	14.128	-0.712	14.144	-0.736	14.156	-0.703	16.783	0.274	16.799	0.423	16.813	0.531	16.823	0.568
14.168	-0.615	14.180	-0.514	14.194	-0.349	14.210	-0.188	16.836	0.551	16.847	0.467	16.863	0.342	16.875	0.218
14.227	-0.083	14.244	-0.007	14.256	0.070	14.275	0.138	16.885	0.089	16.894	0.033	16.909	0.013	16.923	-0.011
14.281	0.170	14.290	0.183	14.301	0.167	14.312	0.078	16.935	-0.071	16.949	-0.164	16.965	-0.284	16.981	-0.372
14.322	-0.018	14.336	-0.130	14.347	-0.186	14.362	-0.214	16.994	-0.397	17.001	-0.388	17.011	-0.437	17.025	-0.433
14.379	-0.234	14.395	-0.262	14.406	-0.242	14.432	-0.190	17.042	-0.440	17.058	-0.336	17.069	-0.412	17.078	-0.352
14.429	-0.150	14.436	-0.138	14.448	-0.158	14.461	-0.338	17.088	-0.291	17.095	-0.259	17.102	-0.247	17.109	-0.267
14.475	-0.242	14.492	-0.254	14.502	-0.270	14.513	-0.338	17.122	-0.360	17.134	-0.532	17.143	-0.633	17.150	-0.689
14.525	-0.439	14.534	-0.623	14.546	-0.828	14.555	-0.981	17.158	-0.705	17.165	-0.681	17.179	-0.576	17.196	-0.395
14.565	-1.077	14.577	-1.114	14.586	-1.089	14.600	-1.013	17.210	-0.234	17.220	-0.078	17.239	0.063	17.251	0.116
14.612	-0.932	14.628	-0.816	14.648	-0.683	14.665	-0.603	17.266	0.120	17.280	0.136	17.291	0.136	17.309	0.180
14.676	-0.498	14.688	-0.369	14.697	-0.224	14.707	-0.144	17.327	0.229	17.339	0.233	17.351	0.193	17.362	0.112
14.715	-0.104	14.724	-0.088	14.734	-0.104	14.746	-0.152	17.375	-0.040	17.387	-0.161	17.402	-0.229	17.423	-0.265
14.753	-0.208	14.762	-0.216	14.772	-0.200	14.783	-0.152	17.445	-0.321	17.468	-0.353	17.486	-0.368	17.507	-0.432
14.798	-0.071	14.815	0.009	14.828	0.058	14.838	0.070	17.528	-0.444	17.549	-0.472	17.571	-0.571	17.590	-0.484
14.851	0.058	14.864	0.014	14.874	-0.051	14.886	-0.163	17.612	-0.483	17.624	-0.499	17.639	-0.567	17.655	-0.656
14.898	-0.300	14.907	-0.392	14.919	-0.489	14.935	-0.553	17.663	-0.712	17.678	-0.716	17.688	-0.683	17.702	-0.647



17.712	-0.655	17.730	-0.695	17.742	-0.711	17.751	-0.694	20.588	-0.309	20.601	-0.358	20.613	-0.289	20.627	-0.333
17.764	-0.654	17.778	-0.581	17.796	-0.485	17.811	-0.404	20.639	-0.213	20.652	-0.153	20.670	-0.120	20.681	-0.148
17.825	-0.384	17.839	-0.388	17.854	-0.452	17.867	-0.528	20.694	-0.169	20.702	-0.060	20.716	-0.008	20.731	-0.044
17.872	-0.556	17.881	-0.536	17.892	-0.483	17.904	-0.387	20.745	0.105	20.755	0.045	20.766	0.037	20.783	0.093
17.917	-0.278	17.929	-0.213	17.945	-0.193	17.959	-0.185	20.801	0.125	20.813	0.121	20.826	0.153	20.835	0.165
17.937	-0.100	17.990	-0.003	18.007	-0.085	18.023	-0.162	20.845	0.141	20.854	0.113	20.871	0.089	20.885	0.025
18.035	-0.206	18.042	0.219	18.056	0.199	18.074	0.123	20.899	-0.043	20.910	-0.075	20.926	-0.115	20.941	-0.083
18.099	0.051	18.122	-0.009	18.144	-0.069	18.153	-0.089	20.936	0.010	20.971	0.143	20.984	0.223	20.999	0.264
18.168	-0.061	18.180	0.016	18.193	0.092	18.210	0.053	21.016	0.288	21.032	0.268	21.047	0.260	21.068	0.288
18.231	0.181	18.255	0.202	18.266	0.218	18.278	0.263	21.089	0.341	21.112	0.385	21.129	0.470	21.148	0.551
18.289	0.279	18.301	0.263	18.316	0.223	18.332	0.135	21.167	0.599	21.179	0.571	21.195	0.467	21.211	0.330
18.348	0.047	18.360	-0.005	18.378	-0.001	18.393	-0.021	21.228	0.258	21.242	0.226	21.259	0.243	21.276	0.195
18.411	-0.029	18.426	0.008	18.443	0.064	18.456	0.153	21.294	0.187	21.313	0.203	21.330	0.231	21.347	0.280
18.466	0.205	18.478	0.258	18.492	0.341	18.506	0.375	21.366	0.320	21.380	0.280	21.393	0.228	21.413	0.237
18.516	0.359	18.528	0.323	18.542	0.334	18.559	0.380	21.431	0.237	21.443	0.193	21.454	0.186	21.464	0.122
18.577	0.404	18.592	0.437	18.604	0.473	18.616	0.453	21.476	0.214	21.490	0.187	21.499	0.291	21.513	0.436
18.634	0.494	18.646	0.450	18.658	0.386	18.669	0.462	21.525	0.533	21.537	0.574	21.548	0.739	21.569	0.828
18.674	0.583	18.683	0.631	18.691	0.551	18.698	0.652	21.582	0.896	21.603	0.957	21.619	0.933	21.634	1.062
18.706	0.761	18.716	0.753	18.723	0.660	18.732	0.624	21.654	1.083	21.671	1.115	21.686	1.148	21.706	1.120
18.742	0.649	18.756	0.729	18.767	0.802	18.783	0.830	21.719	1.076	21.737	0.976	21.745	0.997	21.752	0.977
18.798	0.782	18.807	0.726	18.818	0.718	18.828	0.658	21.783	0.953	21.777	0.993	21.786	1.026	21.797	1.054
18.837	0.498	18.846	0.470	18.857	0.401	18.873	0.402	21.806	1.026	21.814	0.998	21.823	0.982	21.831	0.999
18.881	0.358	18.894	0.398	18.911	0.459	18.921	0.531	21.863	0.943	21.856	0.875	21.866	0.762	21.878	0.674
18.932	0.552	18.943	0.548	18.953	0.600	18.966	0.633	21.889	0.558	21.901	0.437	21.912	0.341	21.924	0.249
18.983	0.601	18.995	0.521	19.008	0.437	19.025	0.336	21.930	0.193	21.935	0.161	21.954	0.153	21.968	0.133
19.037	0.224	19.047	0.188	19.058	0.204	19.076	0.241	21.982	0.137	21.992	0.130	22.002	0.122	22.008	0.098
19.089	0.261	19.106	0.278	19.125	0.298	19.141	0.279	22.016	0.162	22.025	0.154	22.036	0.159	22.048	0.191
19.161	0.255	19.180	0.235	19.197	0.232	19.210	0.268	22.060	0.239	22.073	0.256	22.084	0.264	22.097	0.260
19.221	0.248	19.237	0.192	19.257	0.156	19.276	0.173	22.107	0.232	22.117	0.204	22.134	0.132	22.143	0.088
19.295	0.193	19.304	0.161	19.321	0.073	19.334	0.047	22.152	0.056	22.162	0.040	22.173	0.040	22.187	0.073
19.349	-0.127	19.354	-0.159	19.363	-0.175	19.375	-0.155	22.198	0.109	22.209	0.142	22.218	0.178	22.229	0.206
19.385	-0.054	19.396	0.071	19.406	0.260	19.416	0.372	22.238	0.210	22.251	0.199	22.265	0.151	22.279	0.111
19.425	0.477	19.430	0.582	19.436	0.710	19.448	0.735	22.302	0.055	22.322	0.035	22.339	0.031	22.357	0.008
19.461	0.723	19.471	0.695	19.479	0.607	19.489	0.486	22.370	-0.024	22.385	-0.020	22.393	-0.016	22.407	-0.052
19.496	0.394	19.509	0.286	19.525	0.214	19.537	0.145	22.426	-0.116	22.438	-0.193	22.449	-0.245	22.461	-0.365
19.566	0.182	19.555	0.069	19.562	-0.067	19.570	0.082	22.470	-0.450	22.482	-0.522	22.497	-0.566	22.511	-0.538
19.577	0.231	19.585	0.062	19.591	0.086	19.597	-0.006	22.525	-0.514	22.538	-0.489	22.550	-0.453	22.563	-0.401
19.607	0.074	19.615	0.143	19.631	0.018	19.643	0.059	22.572	-0.393	22.583	-0.401	22.594	-0.449	22.605	-0.577
19.654	-0.025	19.662	-0.093	19.669	-0.258	19.685	-0.109	22.613	-0.565	22.624	-0.553	22.628	-0.565	22.635	-0.657
19.693	-0.133	19.707	-0.032	19.722	-0.088	19.733	-0.080	22.640	-0.613	22.648	-0.722	22.652	-0.581	22.658	-0.472
19.746	-0.168	19.758	-0.257	19.767	-0.421	19.782	-0.610	22.669	-0.673	22.681	-0.440	22.687	-0.508	22.699	-0.424
19.791	-0.746	19.806	-0.814	19.820	-0.935	19.832	-1.027	22.715	-0.564	22.722	-0.399	22.727	-0.777	22.738	-0.781
19.849	-1.043	19.860	-0.998	19.875	-0.878	19.890	-0.741	22.751	-0.817	22.763	-0.725	22.776	-0.737	22.786	-0.749
19.902	-0.640	19.913	-0.612	19.919	-0.632	19.928	-0.588	22.797	-0.781	22.806	-0.757	22.816	-0.737	22.830	-0.785
19.937	-0.684	19.946	-0.796	19.958	-0.760	19.972	-0.704	22.839	-0.788	22.843	-0.608	22.847	-0.792	22.856	-0.784
19.986	-0.700	20.000	-0.615	20.017	-0.551	20.032	-0.478	22.863	-0.800	22.871	-0.724	22.878	-0.704	22.887	-0.820
20.047	-0.450	20.059	-0.458	20.076	-0.466	20.088	-0.445	22.896	-0.688	22.903	-0.824	22.917	-0.824	22.926	-0.676
20.100	-0.365	20.109	-0.268	20.118	-0.144	20.130	-0.051	22.932	-0.664	22.940	-0.672	22.950	-0.640	22.960	-0.567
20.142	0.009	20.153	0.038	20.164	0.010	20.179	0.042	22.968	-0.632	22.980	-0.567	22.990	-0.523	22.999	-0.479
20.187	-0.087	20.201	-0.155	20.217	-0.163	20.233	-0.166	23.002	-0.479	23.008	-0.527	23.012	-0.628	23.017	-0.848
20.249	-0.235	20.262	-0.259	20.281	-0.307	20.291	-0.299	23.029	-0.563	23.038	-0.680	23.046	-0.680	23.060	-0.672
20.301	-0.387	20.312	-0.523	20.319	-0.556	20.331	-0.515	23.072	-0.676	23.081	-0.712	23.090	-0.724	23.100	-0.769
20.345	-0.551	20.361	-0.607	20.378	-0.627	20.387	-0.668	23.108	-0.740	23.123	-0.773	23.132	-0.736	23.144	-0.728
20.400	-0.656	20.417	-0.639	20.436	-0.603	20.449	-0.551	23.151	-0.728	23.160	-0.672	23.167	-0.628	23.181	-0.608
20.470	-0.515	20.481	-0.442	20.499	-0.470	20.514	-0.338	23.193	-0.584	23.205	-0.556	23.220	-0.568	23.232	-0.580
20.529	-0.378	20.547	-0.322	20.561	-0.330	20.574	-0.370	23.245	-0.624	23.253	-0.640	23.267	-0.660	23.271	-0.668



23.286	-0.632	23.298	-0.600	23.304	-0.596	23.317	-0.620	25.851	-0.423	25.864	-0.387	25.878	-0.343	25.892	-0.279
23.327	-0.608	23.339	-0.580	23.351	-0.536	23.363	-0.460	25.907	-0.235	25.921	-0.199	25.936	-0.163	25.952	-0.135
23.382	-0.343	23.398	-0.263	23.411	-0.227	23.435	-0.187	25.966	-0.119	25.979	-0.111	25.988	-0.099	25.996	-0.079
23.451	-0.171	23.466	-0.167	23.483	-0.171	23.499	-0.155	26.011	-0.039	26.020	-0.031	26.028	-0.035	26.034	-0.060
23.514	-0.103	23.530	-0.015	23.539	-0.029	23.550	-0.045	26.042	-0.108	26.050	-0.156	26.058	-0.193	26.070	-0.249
23.567	-0.053	23.578	-0.041	23.597	-0.003	23.611	-0.052	26.080	-0.293	26.095	-0.350	26.109	-0.402	26.124	-0.455
23.620	-0.060	23.636	-0.044	23.653	-0.008	23.670	-0.065	26.141	-0.475	26.156	-0.499	26.175	-0.524	26.190	-0.552
23.685	0.137	23.706	0.237	23.721	0.289	23.732	0.317	26.203	-0.572	26.222	-0.601	26.236	-0.601	26.250	-0.573
23.747	0.329	23.756	0.321	23.766	0.337	23.776	0.353	26.267	-0.533	26.288	-0.465	26.306	-0.417	26.323	-0.401
23.785	0.345	23.793	0.365	23.800	0.397	23.808	0.369	26.338	-0.389	26.353	-0.365	26.364	-0.337	26.377	-0.317
23.818	0.433	23.827	0.457	23.842	0.586	23.850	0.598	26.391	-0.182	26.402	-0.245	26.418	-0.226	26.431	-0.202
23.856	0.618	23.859	0.602	23.868	0.662	23.874	0.513	26.443	-0.181	26.457	-0.175	26.477	-0.111	26.487	-0.091
23.877	0.561	23.882	0.646	23.890	0.650	23.898	0.617	26.499	-0.027	26.512	0.013	26.527	0.065	26.544	0.117
23.903	0.428	23.907	0.533	23.914	0.577	23.922	0.497	26.561	0.201	26.574	0.265	26.588	0.361	26.602	0.437
23.928	0.577	23.934	0.557	23.943	0.589	23.954	0.577	26.617	0.513	26.632	0.573	26.640	0.598	26.647	0.580
23.964	0.621	23.973	0.605	23.984	0.601	23.994	0.528	26.656	0.628	26.665	0.652	26.676	0.664	26.686	0.680
24.004	0.500	24.009	0.496	24.023	0.532	24.034	0.576	26.695	0.696	26.703	0.691	26.713	0.731	26.722	0.739
24.048	0.564	24.056	0.588	24.064	0.564	24.075	0.636	26.731	0.759	26.740	0.783	26.752	0.843	26.761	0.887
24.081	0.572	24.094	0.632	24.101	0.672	24.106	0.652	26.774	0.931	26.783	0.967	26.796	1.006	26.805	1.022
24.115	0.664	24.124	0.684	24.137	0.644	24.148	0.688	26.820	1.050	26.824	0.965	26.828	1.002	26.832	1.100
24.159	0.760	24.166	0.784	24.174	0.736	24.183	0.696	26.838	1.118	26.844	1.118	26.848	1.069	26.854	1.053
24.193	0.744	24.203	0.724	24.211	0.736	24.219	0.735	26.860	1.069	26.866	1.117	26.872	1.085	26.877	1.049
24.229	0.687	24.235	0.695	24.239	0.715	24.246	0.695	26.884	1.073	26.890	1.073	26.896	1.088	26.905	1.116
24.260	0.727	24.274	0.775	24.283	0.835	24.303	0.980	26.909	1.116	26.917	1.132	26.926	1.116	26.935	1.144
24.316	1.048	24.328	1.056	24.340	1.080	24.355	1.088	26.944	1.132	26.953	1.164	26.965	1.148	26.979	1.123
24.372	1.084	24.378	1.068	24.388	1.092	24.393	1.084	26.993	1.091	27.010	1.046	27.022	1.026	27.032	1.002
24.407	1.112	24.418	1.060	24.429	0.983	24.436	0.935	27.044	0.977	27.047	0.969	27.054	0.981	27.065	0.953
24.453	0.939	24.462	0.923	24.476	0.903	24.491	0.935	27.080	0.908	27.092	0.896	27.107	0.892	27.115	0.855
24.504	0.943	24.516	0.931	24.526	0.890	24.539	0.938	27.125	0.887	27.135	0.871	27.143	0.875	27.149	0.855
24.550	0.810	24.566	0.786	24.579	0.741	24.595	0.701	27.161	0.923	27.170	0.879	27.177	0.878	27.184	0.894
24.623	0.637	24.645	0.572	24.668	0.548	24.684	0.476	27.189	0.850	27.197	0.826	27.207	0.805	27.219	0.761
24.701	0.427	24.722	0.387	24.745	0.343	24.762	0.290	27.229	0.733	27.237	0.684	27.243	0.668	27.245	0.624
24.783	0.242	24.800	0.170	24.817	0.109	24.835	0.073	27.252	0.676	27.255	0.636	27.258	0.600	27.263	0.612
24.852	0.017	24.864	-0.048	24.879	-0.128	24.894	-0.196	27.274	0.571	27.280	0.639	27.285	0.667	27.292	0.643
24.905	-0.220	24.920	-0.240	24.935	-0.244	24.946	-0.260	27.298	0.595	27.305	0.619	27.315	0.691	27.326	0.679
24.960	-0.268	24.972	-0.264	24.980	-0.281	24.987	-0.289	27.333	0.579	27.346	0.723	27.361	0.706	27.382	0.682
25.002	-0.272	25.017	-0.256	25.029	-0.248	25.041	-0.236	27.394	0.678	27.408	0.670	27.421	0.662	27.439	0.657
25.053	-0.244	25.065	-0.216	25.077	-0.212	25.092	-0.156	27.454	0.653	27.470	0.645	27.478	0.641	27.487	0.649
25.108	-0.107	25.120	-0.071	25.137	-0.035	25.147	-0.023	27.498	0.637	27.512	0.613	27.529	0.552	27.544	0.528
25.160	-0.019	25.174	-0.015	25.192	0.001	25.204	0.005	27.561	0.472	27.579	0.419	27.598	0.391	27.614	0.387
25.220	-0.011	25.238	-0.035	25.254	-0.043	25.268	-0.043	27.632	0.411	27.647	0.427	27.662	0.435	27.675	0.419
25.281	-0.043	25.295	-0.047	25.309	-0.059	25.321	-0.073	27.689	0.395	27.703	0.366	27.718	0.334	27.731	0.294
25.336	-0.091	25.345	-0.111	25.358	-0.159	25.370	-0.171	27.755	0.246	27.775	0.225	27.798	0.225	27.817	0.213
25.382	-0.191	25.393	-0.211	25.405	-0.247	25.414	-0.232	27.833	0.197	27.848	0.177	27.863	0.140	27.874	0.088
25.427	-0.388	25.439	-0.464	25.446	-0.489	25.451	-0.561	27.883	0.044	27.898	-0.033	27.914	-0.101	27.927	-0.149
25.456	-0.673	25.470	-0.734	25.482	-0.806	25.493	-0.874	27.948	-0.194	27.962	-0.222	27.972	-0.242	27.984	-0.230
25.503	-0.931	25.515	-1.011	25.525	-1.063	25.531	-1.095	27.993	-0.222	28.006	-0.254	28.014	-0.263	28.027	-0.255
25.536	-1.148	25.542	-1.200	25.555	-1.268	25.567	-1.333	28.038	-0.239	28.050	-0.263	28.062	-0.263	28.074	-0.255
25.576	-1.365	25.585	-1.373	25.591	-1.361	25.596	-1.381	28.087	-0.251	28.101	-0.263	28.117	-0.319	28.136	-0.392
25.602	-1.393	25.605	-1.397	25.611	-1.365	25.616	-1.397	28.147	-0.420	28.164	-0.456	28.179	-0.465	28.193	-0.489
25.623	-1.405	25.633	-1.413	25.641	-1.369	25.648	-1.348	28.214	-0.505	28.234	-0.529	28.255	-0.553	28.277	-0.562
25.660	-1.300	25.670	-1.284	25.682	-1.252	25.695	-1.236	28.291	-0.538	28.306	-0.505	28.319	-0.473	28.335	-0.469
25.704	-1.236	25.716	-1.175	25.727	-1.099	25.736	-1.039	28.351	-0.494	28.378	-0.518	28.378	-0.554	28.391	-0.594
25.748	-0.946	25.757	-0.842	25.764	-0.761	25.770	-0.705	28.401	-0.643	28.412	-0.703	28.429	-0.828	28.446	-0.949
25.778	-0.657	25.785	-0.609	25.797	-0.584	25.804	-0.560	28.459	-0.993	28.471	-1.045	28.483	-1.053	28.496	-1.046
25.814	-0.528	25.822	-0.492	25.830	-0.484	25.840	-0.460	28.510	-1.030	28.515	-1.030	28.522	-1.014	28.529	-1.038



28.539	-1.006	28.551	-0.982	28.563	-0.982	28.575	-0.958	31.106	-0.498	31.119	-0.502	31.130	-0.486	31.136	-0.478
28.587	-0.962	28.601	-0.974	28.609	-0.990	28.619	-1.010	31.144	-0.474	31.154	-0.454	31.163	-0.502	31.172	-0.490
28.630	-1.035	28.639	-1.095	28.651	-1.130	28.667	-1.143	31.182	-0.502	31.192	-0.514	31.201	-0.515	31.212	-0.571
28.679	-1.143	28.694	-1.132	28.708	-1.075	28.722	-1.043	31.224	-0.595	31.233	-0.668	31.242	-0.676	31.251	-0.720
28.732	-1.043	28.745	-0.999	28.760	-1.024	28.766	-1.000	31.265	-0.764	31.280	-0.801	31.295	-0.849	31.304	-0.869
28.781	-1.012	28.792	-1.052	28.804	-1.048	28.815	-1.020	31.315	-0.869	31.327	-0.897	31.333	-0.869	31.339	-0.922
28.818	-0.996	28.837	-1.052	28.851	-1.024	28.864	-1.040	31.346	-0.934	31.350	-0.918	31.359	-0.918	31.366	-0.886
28.878	-1.045	28.890	-1.065	28.901	-1.081	28.913	-1.069	31.375	-0.966	31.384	-0.950	31.393	-0.982	31.398	-0.998
28.925	-1.065	28.936	-1.069	28.947	-1.061	28.959	-1.069	31.407	-0.982	31.415	-0.966	31.431	-0.894	31.439	-0.862
28.970	-1.025	28.986	-0.977	29.001	-0.937	29.019	-0.869	31.446	-0.890	31.459	-0.906	31.473	-0.898	31.477	-0.882
29.031	-0.820	29.045	-0.768	29.063	-0.692	29.081	-0.592	31.486	-0.890	31.498	-0.946	31.507	-0.946	31.516	-0.882
29.098	-0.499	29.118	-0.415	29.134	-0.347	29.152	-0.295	31.519	-0.846	31.523	-0.934	31.530	-0.991	31.535	-1.027
29.166	-0.258	29.182	-0.238	29.197	-0.206	29.231	-0.114	31.547	-0.938	31.551	-0.966	31.555	-0.999	31.559	-1.015
29.251	-0.038	29.276	-0.042	29.300	0.078	29.315	0.086	31.565	-0.971	31.571	-1.039	31.580	-1.063	31.587	-1.095
29.327	0.086	29.341	0.078	29.358	0.066	29.375	0.086	31.597	-1.228	31.605	-1.123	31.613	-1.252	31.627	-1.172
29.392	0.106	29.407	0.130	29.420	0.166	29.431	0.194	31.633	-1.168	31.648	-1.236	31.661	-1.312	31.674	-1.280
29.443	0.210	29.455	0.218	29.467	0.214	29.478	0.218	31.686	-1.276	31.696	-1.337	31.705	-1.272	31.714	-1.300
29.495	0.205	29.509	0.201	29.519	0.185	29.528	0.165	31.721	-1.237	31.736	-1.353	31.733	-1.220	31.745	-1.232
29.534	0.169	29.548	0.201	29.564	0.217	29.578	0.233	31.753	-1.272	31.765	-1.256	31.773	-1.192	31.779	-1.156
29.591	0.229	29.604	0.289	29.613	0.321	29.619	0.325	31.785	-1.140	31.796	-1.076	31.805	-1.132	31.818	-1.100
29.629	0.325	29.641	0.353	29.653	0.381	29.665	0.413	31.831	-1.088	31.843	-1.076	31.860	-1.080	31.877	-1.052
29.677	0.368	29.682	0.388	29.688	0.400	29.698	0.372	31.891	-1.056	31.908	-1.048	31.923	-1.044	31.941	-1.032
29.707	0.388	29.722	0.388	29.727	0.352	29.734	0.480	31.959	-1.016	31.978	-0.976	31.994	-0.968	32.011	-0.972
29.743	0.484	29.752	0.488	29.759	0.420	29.770	0.536	32.028	-0.948	32.045	-0.880	32.060	-0.848	32.075	-0.828
29.779	0.520	29.791	0.548	29.803	0.552	29.813	0.576	32.091	-0.800	32.106	-0.792	32.122	-0.812	32.140	-0.796
29.818	0.592	29.826	0.564	29.838	0.568	29.845	0.560	32.159	-0.781	32.171	-0.769	32.184	-0.757	32.204	-0.705
29.853	0.580	29.863	0.580	29.873	0.579	29.885	0.607	32.222	-0.612	32.240	-0.532	32.249	-0.512	32.265	-0.436
29.906	0.675	29.919	0.683	29.941	0.783	30.020	0.867	32.350	-0.179	32.367	-0.303	32.312	-0.263	32.330	-0.207
29.975	0.943	29.992	1.019	30.008	1.136	30.022	1.115	32.385	-0.175	32.426	0.065	32.441	-0.071	32.398	-0.015
30.032	1.127	30.043	1.119	30.049	0.870	30.055	1.432	32.413	0.017	32.466	0.065	32.444	0.089	32.453	0.093
30.062	1.440	30.065	1.336	30.069	1.203	30.072	1.159	32.465	0.101	32.541	0.157	32.498	0.105	32.515	0.121
30.075	1.070	30.079	1.179	30.083	1.263	30.090	1.223	32.528	0.141	32.541	0.157	32.555	0.173	32.568	0.241
30.097	1.223	30.105	1.206	30.110	1.262	30.115	1.319	32.580	0.281	32.592	0.321	32.604	0.325	32.614	0.365
30.118	1.299	30.124	1.335	30.130	1.310	30.139	1.294	32.624	0.385	32.638	0.389	32.651	0.401	32.664	0.385
30.144	1.274	30.153	1.294	30.156	1.306	30.162	1.286	32.674	0.388	32.681	0.368	32.693	0.396	32.700	0.400
30.168	1.350	30.176	1.426	30.182	1.394	30.188	1.406	32.706	0.424	32.717	0.404	32.723	0.396	32.732	0.428
30.192	1.390	30.195	1.373	30.202	1.393	30.207	1.361	32.739	0.436	32.748	0.428	32.758	0.456	32.769	0.440
30.215	1.369	30.222	1.413	30.227	1.377	30.234	1.357	32.784	0.464	32.791	0.423	32.804	0.492	32.812	0.435
30.242	1.349	30.254	1.316	30.263	1.332	30.269	1.292	32.821	0.423	32.824	0.415	32.835	0.467	32.850	0.459
30.275	1.251	30.286	1.255	30.294	1.223	30.303	1.223	32.868	0.467	32.883	0.499	32.890	0.511	32.899	0.551
30.314	1.243	30.316	1.255	30.321	1.194	30.332	1.202	32.918	0.595	32.929	0.603	32.944	0.623	32.959	0.651
30.341	1.186	30.352	1.190	30.362	1.169	30.373	1.149	32.971	0.655	32.981	0.655	32.991	0.683	33.001	0.679
30.382	1.121	30.388	1.125	30.395	1.080	30.403	1.076	33.013	0.687	33.022	0.682	33.032	0.723	33.044	0.767
30.412	1.064	30.418	1.040	30.430	1.028	30.441	1.003	33.053	0.754	33.060	0.779	33.067	0.839	33.078	0.851
30.447	0.987	30.458	0.999	30.466	0.975	30.474	0.954	33.090	0.895	33.101	0.947	33.112	0.935	33.123	0.979
30.485	0.934	30.499	0.914	30.497	0.886	30.509	0.877	33.133	1.039	33.149	1.071	33.155	1.083	33.161	1.075
30.514	0.837	30.521	0.821	30.530	0.773	30.541	0.760	33.167	1.119	33.176	1.139	33.186	1.139	33.194	1.119
30.551	0.744	30.561	0.704	30.574	0.683	30.585	0.667	33.201	1.143	33.213	1.131	33.221	1.179	33.233	1.215
30.600	0.655	30.613	0.642	30.630	0.618	30.646	0.591	33.244	1.219	33.255	1.223	33.267	1.243	33.278	1.239
30.662	0.541	30.682	0.480	30.696	0.424	30.713	0.339	33.285	1.202	33.297	1.238	33.309	1.202	33.316	1.166
30.734	0.258	30.751	0.206	30.762	0.193	30.775	0.189	33.330	1.146	33.340	1.089	33.349	1.065	33.367	1.061
30.793	0.157	30.811	0.132	30.829	0.088	30.852	0.031	33.383	1.029	33.398	0.992	33.417	0.980	33.427	0.984
30.870	-0.009	30.892	-0.014	30.909	-0.026	30.923	-0.050	33.445	0.935	33.455	0.932	33.470	0.931	33.487	0.899
30.937	-0.070	30.953	-0.095	30.967	-0.107	30.979	-0.115	33.503	0.887	33.522	0.834	33.536	0.802	33.554	0.753
30.991	-0.103	31.008	-0.183	31.018	-0.208	31.033	-0.300	33.572	0.729	33.587	0.725	33.600	0.717	33.609	0.705
31.045	-0.389	31.062	-0.461	31.080	-0.514	31.091	-0.490	33.618	0.693	33.634	0.644	33.646	0.612	33.657	0.592



33.668	0.575	33.678	0.559	33.691	0.531	33.702	0.491	36.648	0.655	36.665	0.667	36.687	0.671	36.705	0.667
33.714	0.462	33.725	0.438	33.733	0.398	33.741	0.374	36.721	0.663	36.738	0.655	36.753	0.639	36.771	0.591
33.751	0.341	33.772	0.305	33.787	0.285	33.797	0.261	36.783	0.547	36.802	0.499	36.817	0.495	36.838	0.503
33.810	0.212	33.823	0.168	33.836	0.140	33.853	0.148	36.856	0.507	36.871	0.491	36.892	0.503	36.905	0.527
33.866	0.143	33.884	0.123	33.903	0.083	33.918	0.063	36.923	0.551	36.937	0.571	36.951	0.539	36.971	0.491
33.933	0.026	33.948	-0.002	33.961	-0.018	33.971	-0.006	36.987	0.435	37.004	0.407	37.024	0.399	37.035	0.379
33.983	-0.022	33.992	-0.018	34.004	-0.059	34.020	-0.095	37.045	0.346	37.055	0.302	37.069	0.258	37.083	0.210
34.035	-0.159	34.049	-0.176	34.059	-0.240	34.074	-0.264	37.095	0.186	37.109	0.161	37.120	0.157	37.129	0.161
34.089	-0.289	34.100	-0.297	34.112	-0.325	34.121	-0.305	37.140	0.185	37.153	0.182	37.161	0.178	37.174	0.194
34.134	-0.273	34.155	-0.221	34.170	-0.177	34.179	-0.173	37.187	0.194	37.201	0.186	37.213	0.153	37.225	0.097
34.188	-0.165	34.204	-0.177	34.222	-0.229	34.231	-0.245	37.238	0.057	37.249	0.021	37.262	-0.015	37.277	-0.040
34.242	-0.290	34.252	-0.266	34.262	-0.258	34.276	-0.230	37.294	-0.036	37.307	-0.023	37.322	-0.011	37.337	-0.015
34.288	-0.222	34.301	-0.226	34.314	-0.226	34.323	-0.218	37.349	-0.015	37.358	-0.060	37.370	-0.092	37.382	-0.112
34.332	-0.266	34.341	-0.287	34.352	-0.303	34.360	-0.379	37.396	-0.128	37.408	-0.144	37.421	-0.124	37.430	-0.096
34.373	-0.403	34.384	-0.452	34.396	-0.524	34.411	-0.560	37.447	-0.096	37.457	-0.112	37.471	-0.136	37.481	-0.168
34.424	-0.585	34.434	-0.617	34.447	-0.617	34.459	-0.605	37.494	-0.192	37.513	-0.216	37.529	-0.232	37.546	-0.249
34.474	-0.565	34.484	-0.557	34.501	-0.525	34.510	-0.513	37.561	-0.269	37.573	-0.261	37.587	-0.265	37.602	-0.269
34.523	-0.517	34.532	-0.529	34.543	-0.541	34.555	-0.574	37.617	-0.281	37.629	-0.309	37.645	-0.329	37.656	-0.345
34.567	-0.666	34.579	-0.763	34.589	-0.811	34.600	-0.896	37.667	-0.337	37.681	-0.317	37.696	-0.285	37.708	-0.261
34.606	-0.936	34.621	-0.988	34.634	-1.049	34.643	-1.081	37.725	-0.224	37.737	-0.220	37.754	-0.236	37.766	-0.249
34.652	-1.133	34.660	-1.165	34.670	-1.198	34.678	-1.210	37.784	-0.293	37.802	-0.321	37.815	-0.349	37.837	-0.389
34.688	-1.246	34.699	-1.314	34.711	-1.375	34.715	-1.407	37.849	-0.389	37.864	-0.373	37.878	-0.357	37.895	-0.361
34.726	-1.451	34.733	-1.459	34.743	-1.443	34.759	-1.411	37.910	-0.361	37.927	-0.377	37.939	-0.377	37.951	-0.386
34.772	-1.379	34.788	-1.359	34.803	-1.323	34.818	-1.275	37.964	-0.422	37.982	-0.458	37.992	-0.470	38.005	-0.462
34.829	-1.247	34.844	-1.195	34.868	-1.163	34.877	-1.135	38.019	-0.462	38.028	-0.474	38.040	-0.498	38.053	-0.555
34.933	-1.112	34.948	-1.060	34.963	-1.007	34.977	-0.959	38.129	-0.740	38.142	-0.764	38.161	-0.764	38.176	-0.764
34.994	-0.891	35.009	-0.843	35.022	-0.819	35.034	-0.803	38.191	-0.752	38.210	-0.773	38.228	-0.777	38.236	-0.781
35.047	-0.771	35.059	-0.707	35.075	-0.619	35.089	-0.567	38.251	-0.777	38.269	-0.813	38.284	-0.829	38.299	-0.809
35.102	-0.547	35.115	-0.539	35.131	-0.531	35.146	-0.507	38.309	-0.805	38.325	-0.813	38.339	-0.821	38.352	-0.825
35.160	-0.499	35.171	-0.516	35.184	-0.524	35.197	-0.516	38.376	-0.793	38.394	-0.765	38.415	-0.721	38.435	-0.709
35.209	-0.524	35.222	-0.544	35.234	-0.573	35.250	-0.609	38.456	-0.714	38.467	-0.706	38.483	-0.714	38.495	-0.722
35.262	-0.613	35.273	-0.613	35.286	-0.589	35.299	-0.577	38.509	-0.706	38.526	-0.678	38.542	-0.630	38.557	-0.598
35.319	-0.566	35.333	-0.505	35.343	-0.469	35.359	-0.433	38.571	-0.586	38.583	-0.590	38.597	-0.598	38.608	-0.626
35.377	-0.426	35.397	-0.386	35.415	-0.366	35.431	-0.350	38.628	-0.627	38.644	-0.639	38.658	-0.643	38.671	-0.643
35.444	-0.326	35.461	-0.274	35.473	-0.258	35.487	-0.250	38.686	-0.615	38.698	-0.567	38.713	-0.495	38.727	-0.442
35.501	-0.274	35.516	-0.303	35.531	-0.319	35.543	-0.339	38.738	-0.418	38.753	-0.406	38.767	-0.382	38.786	-0.371
35.556	-0.327	35.568	-0.307	35.579	-0.299	35.589	-0.279	38.801	-0.367	38.813	-0.343	38.830	-0.315	38.843	-0.295
35.601	-0.276	35.613	-0.280	35.628	-0.256	35.643	-0.228	38.859	-0.283	38.876	-0.275	38.891	-0.275	38.903	-0.279
35.658	-0.164	35.675	-0.104	35.690	-0.031	35.706	0.005	38.916	-0.279	38.932	-0.275	38.946	-0.267	38.961	-0.268
35.721	0.029	35.732	0.028	35.745	0.024	35.763	0.008	38.975	-0.264	38.991	-0.244	39.007	-0.216	39.022	-0.176
35.769	0.012	35.787	0.036	35.803	0.104	35.820	0.164	39.043	-0.140	39.063	-0.096	39.075	-0.088	39.091	-0.068
35.837	0.200	35.853	0.200	35.865	0.216	35.884	0.228	39.107	-0.056	39.117	-0.056	39.132	-0.056	39.140	-0.060
35.898	0.232	35.911	0.256	35.924	0.276	35.935	0.280	39.153	-0.093	39.167	-0.137	39.176	-0.149	39.186	-0.169
35.949	0.280	35.965	0.276	35.978	0.300	35.988	0.340	39.203	-0.162	39.218	-0.170	39.234	-0.170	39.246	-0.134
35.999	0.356	36.012	0.372	36.024	0.401	36.038	0.425	39.260	-0.114	39.276	-0.062	39.292	-0.002	39.305	0.046
36.047	0.421	36.059	0.409	36.069	0.421	36.086	0.417	39.319	0.095	39.331	0.155	39.344	0.195	39.356	0.223
36.096	0.409	36.113	0.413	36.128	0.457	36.141	0.485	39.369	0.263	39.380	0.251	39.397	0.259	39.408	0.263
36.167	0.509	36.183	0.489	36.201	0.481	36.222	0.489	39.419	0.243	39.435	0.258	39.447	0.262	39.458	0.270
36.240	0.481	36.260	0.489	36.279	0.481	36.290	0.481	39.471	0.278	39.480	0.282	39.489	0.266	39.501	0.246
36.305	0.481	36.320	0.481	36.336	0.473	36.345	0.473	39.512	0.206	39.524	0.173	39.538	0.157	39.548	0.165
36.359	0.477	36.371	0.509	36.384	0.549	36.398	0.594	39.562	0.157	39.575	0.173	39.588	0.229	39.603	0.262
36.410	0.646	36.425	0.582	36.442	0.702	36.458	0.719	39.614	0.302	39.624	0.326	39.645	0.398	39.661	0.438
36.473	0.747	36.486	0.755	36.495	0.747	36.506	0.747	39.676	0.466	39.694	0.494	39.713	0.482	39.733	0.458
36.522	0.755	36.538	0.743	36.554	0.711	36.569	0.695	39.753	0.413	39.766	0.394	39.782	0.365	39.797	0.365
36.587	0.671	36.601	0.651	36.615	0.643	36.633	0.651	39.820	0.373	39.835	0.401	39.851	0.421	39.868	0.461



39.880	0.505	39.891	0.545	39.903	0.589	39.912	0.629
39.922	0.645	39.933	0.666	39.943	0.682	39.957	0.673
39.972	0.637	39.987	0.601	40.000	0.577	40.016	0.540
40.029	0.496	40.040	0.476	40.048	0.464	40.057	0.452
40.074	0.448	40.095	0.439	40.113	0.415	40.128	0.387
40.141	0.399	40.158	0.419	40.173	0.451	40.187	0.467
40.196	0.463	40.209	0.463	40.223	0.423	40.235	0.406
40.244	0.386	40.257	0.366	40.270	0.346	40.286	0.342
40.303	0.338	40.320	0.342				



911 HI

71-026 2/9/71 0600PST L.A. 15250 VENTURA BLVD. 7TH FL.

2955 POINTS 40.343 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 0.2658 G/10.

[illegible]



3.006	-0.100	3.023	-0.083	3.032	0.023	3.040	0.191	5.121	-0.943	5.136	-0.196	5.144	-0.050	5.152	0.095
3.050	0.288	3.063	0.275	3.084	0.239	3.094	0.208	5.171	0.356	5.190	0.869	5.200	0.843	5.208	0.608
3.099	0.106	3.105	-0.062	3.117	-0.230	3.121	-0.296	5.216	0.237	5.219	0.100	5.229	-0.015	5.236	-0.134
3.130	-0.323	3.141	-0.345	3.151	-0.465	3.160	-0.655	5.246	-0.293	5.258	-0.487	5.263	-0.708	5.269	-0.964
3.166	-0.677	3.181	-0.501	3.193	-0.342	3.206	0.056	5.278	-1.070	5.286	-0.854	5.295	-0.478	5.301	-0.111
3.215	0.339	3.222	0.524	3.231	0.603	3.244	0.844	5.314	0.242	5.338	0.379	5.338	0.547	5.355	0.631
3.250	0.338	3.262	0.320	3.276	0.417	3.289	0.253	5.373	0.667	5.383	0.578	5.395	0.203	5.401	-0.000
3.295	-0.047	3.305	-0.436	3.310	-0.458	3.316	-0.507	5.413	-0.098	5.425	-0.053	5.437	-0.018	5.449	-0.173
3.325	-0.304	3.334	-0.119	3.346	-0.057	3.353	-0.163	5.453	-0.239	5.457	-0.265	5.469	-0.199	5.475	-0.071
3.358	-0.296	3.364	-0.353	3.377	0.040	3.386	0.402	5.487	0.300	5.496	0.499	5.517	0.292	5.535	0.504
3.389	0.570	3.398	0.609	3.407	0.349	3.415	0.035	5.544	0.676	5.552	0.597	5.563	0.384	5.578	0.062
3.428	-0.125	3.441	-0.019	3.458	0.034	3.469	-0.024	5.586	-0.181	5.601	-0.407	5.616	-0.734	5.623	-0.848
3.480	0.073	3.493	0.121	3.511	-0.016	3.530	0.169	5.638	-0.826	5.652	-0.689	5.664	-0.190	5.686	0.376
3.552	-0.167	3.560	-0.547	3.560	-0.817	3.572	-0.817	5.700	0.654	5.716	0.716	5.727	0.734	5.745	0.195
3.583	-0.711	3.596	-0.871	3.612	-1.145	3.622	-0.677	5.754	-0.185	5.763	-0.464	5.770	-0.636	5.775	-0.636
3.627	-0.177	3.633	0.194	3.638	0.362	3.645	0.432	5.790	-0.238	5.802	-0.101	5.823	0.248	5.842	0.513
3.659	0.246	3.663	0.224	3.674	0.418	3.682	0.745	5.854	0.531	5.857	0.412	5.869	0.000	5.874	-0.190
3.686	0.878	3.697	0.908	3.708	0.528	3.729	0.028	5.877	-0.362	5.884	-0.424	5.892	-0.362	5.905	-0.124
3.731	-0.246	3.735	-0.484	3.749	-0.577	3.773	-0.644	5.916	-0.079	5.919	-0.172	5.925	-0.331	5.937	-0.442
3.781	-0.773	3.788	-0.826	3.795	-0.760	3.807	-0.486	5.967	-0.005	5.974	0.203	5.986	0.212	5.998	0.512
3.814	-0.327	3.825	-0.009	3.834	0.185	3.849	0.304	6.004	0.565	6.015	0.455	6.021	0.114	6.025	-0.085
3.862	0.432	3.876	0.574	3.889	0.436	3.900	0.100	6.033	-0.208	6.052	0.141	6.060	0.262	6.068	0.017
3.908	-0.134	3.919	-0.280	3.928	-0.378	3.935	-0.537	6.076	-0.142	6.084	-0.266	6.096	0.021	6.102	0.299
3.943	-0.745	3.949	-0.842	3.963	-0.937	3.969	-0.095	6.111	0.569	6.114	0.609	6.122	0.547	6.127	0.392
3.976	0.099	3.988	-0.034	3.994	-0.127	4.002	-0.171	6.138	0.136	6.151	-0.267	6.159	-0.320	6.171	-0.037
4.008	-0.096	4.017	0.244	4.020	0.447	4.027	0.509	6.189	0.171	6.198	-0.117	6.206	-0.506	6.212	-0.691
4.044	0.062	4.048	-0.309	4.052	-0.504	4.060	-0.557	6.218	-0.678	6.224	-0.355	6.232	-0.112	6.238	-0.002
4.071	-0.451	4.083	0.031	4.087	0.146	4.098	0.216	6.243	0.011	6.246	-0.033	6.251	-0.192	6.257	-0.316
4.104	0.136	4.109	-0.005	4.120	-0.125	4.144	0.237	6.262	-0.594	6.269	-0.634	6.275	-0.568	6.278	-0.427
4.153	0.277	4.159	0.096	4.174	-0.103	4.183	-0.117	6.282	-0.312	6.290	-0.077	6.296	0.059	6.303	0.108
4.192	-0.157	4.206	-0.259	4.231	-0.184	4.242	0.090	6.315	0.095	6.328	0.055	6.336	0.011	6.344	-0.140
4.248	0.200	4.255	0.173	4.264	0.147	4.273	0.248	6.359	-0.281	6.372	-0.463	6.379	-0.639	6.387	-0.794
4.282	0.376	4.294	0.389	4.300	0.053	4.305	-0.265	6.393	-0.852	6.399	-0.905	6.408	-0.830	6.414	-0.662
4.307	-0.561	4.319	-0.650	4.335	-0.358	4.338	-0.204	6.423	-0.432	6.427	-0.207	6.432	-0.119	6.447	-0.119
4.345	-0.120	4.357	-0.336	4.361	-0.509	4.371	-0.527	6.465	0.000	6.480	0.128	6.490	0.159	6.518	-0.340
4.380	-0.275	4.384	-0.018	4.390	0.092	4.399	0.167	6.519	-0.340	6.520	-0.340	6.529	-0.977	6.544	-0.606
4.416	0.087	4.428	0.224	4.437	0.344	4.446	0.295	6.556	-0.398	6.568	-0.244	6.579	0.057	6.589	0.423
4.453	0.158	4.460	-0.116	4.463	-0.275	4.471	-0.333	6.601	0.909	6.616	1.037	6.634	0.843	6.646	0.520
4.481	-0.147	4.487	0.158	4.498	0.396	4.504	0.440	6.660	0.255	6.675	0.042	6.686	-0.250	6.694	-0.640
4.514	0.387	4.517	0.228	4.523	0.104	4.534	0.073	6.701	-0.904	6.709	-0.997	6.718	-0.846	6.725	-0.630
4.546	0.113	4.553	0.113	4.566	0.095	4.574	-0.029	6.738	-0.564	6.749	-0.573	6.761	-0.692	6.767	-0.745
4.577	-0.117	4.583	-0.311	4.592	-0.608	4.596	-0.802	6.779	-0.631	6.796	-0.494	6.805	-0.282	6.812	-0.246
4.607	-0.877	4.622	-0.718	4.629	-0.427	4.635	-0.352	6.822	-0.282	6.832	-0.344	6.845	-0.273	6.854	0.018
4.644	-0.475	4.661	-0.630	4.675	-0.104	4.682	0.435	6.858	0.084	6.868	0.031	6.882	-0.004	6.900	0.659
4.692	0.528	4.703	0.134	4.712	-0.211	4.717	-0.357	6.906	0.804	6.917	0.844	6.927	0.720	6.943	0.662
4.730	-0.197	4.740	-0.162	4.744	-0.211	4.756	-0.564	6.958	0.618	6.961	0.450	6.973	0.043	6.978	-0.142
4.761	-0.816	4.764	-1.059	4.769	-1.086	4.779	-0.984	6.988	-0.151	7.005	-0.337	7.017	-0.505	7.026	-0.563
4.783	-0.768	4.794	-0.247	4.801	-0.039	4.817	0.085	7.038	-0.435	7.055	-0.033	7.064	0.215	7.084	0.157
4.840	0.615	4.851	0.372	4.864	0.124	4.870	-0.004	7.099	-0.214	7.115	-0.378	7.119	-0.303	7.146	-0.361
4.879	-0.052	4.891	0.036	4.906	-0.171	4.922	-0.750	7.172	-0.295	7.190	0.037	7.211	-0.353	7.225	-0.295
4.943	-0.847	4.951	-0.401	4.962	-0.081	4.972	-0.081	7.234	-0.021	7.242	0.067	7.252	-0.092	7.258	-0.247
4.990	-0.144	4.999	0.077	5.008	0.766	5.011	1.332	7.262	-0.366	7.267	-0.393	7.275	-0.238	7.281	0.040
5.020	1.571	5.026	1.584	5.029	1.518	5.039	0.864	7.288	0.323	7.298	0.420	7.310	0.247	7.324	0.097
5.044	0.506	5.050	0.218	5.053	0.024	5.057	-0.069	7.336	0.216	7.346	0.300	7.349	0.282	7.356	0.110
5.063	-0.122	5.074	-0.091	5.082	-0.241	5.089	-0.930	7.366	-0.102	7.372	-0.217	7.377	-0.266	7.386	-0.204
5.095	-1.474	5.099	-1.699	5.105	-1.801	5.113	-1.514	7.394	0.097	7.403	0.371	7.412	0.441	7.424	0.366



7.443	0.379	7.449	0.614	7.455	1.020	7.460	1.131	10.017	-0.491	10.028	-0.385	10.042	-0.429	10.065	-0.164
7.469	1.237	7.483	0.715	7.491	0.410	7.499	0.251	10.071	-0.058	10.099	-0.275	10.121	-0.168	10.135	-0.208
7.509	0.397	7.523	0.445	7.533	0.282	7.540	-0.191	10.156	-0.071	10.170	0.194	10.182	0.371	10.188	0.437
7.547	-0.571	7.551	-0.925	7.558	-1.057	7.568	-1.017	10.199	0.247	10.215	0.252	10.228	0.513	10.234	0.667
7.577	-1.097	7.591	-1.437	7.596	-1.769	7.600	-1.893	10.247	0.570	10.260	0.252	10.265	0.044	10.273	-0.190
7.611	-1.464	7.621	-1.057	7.631	-0.978	7.656	-1.137	10.275	-0.238	10.279	-0.252	10.283	-0.225	10.291	-0.194
7.666	-0.501	7.668	-0.213	7.675	0.436	7.681	0.668	10.294	-0.154	10.299	-0.168	10.306	-0.238	10.311	-0.278
7.690	0.741	7.701	0.529	7.710	0.449	7.719	0.741	10.317	-0.503	10.326	-0.605	10.337	-0.517	10.343	-0.371
7.727	1.037	7.727	1.333	7.735	1.400	7.742	1.271	10.353	-0.304	10.372	-0.402	10.380	-0.406	10.394	-0.287
7.749	0.772	7.756	0.136	7.762	-0.227	7.779	-0.245	10.398	-0.159	10.409	-0.145	10.421	-0.220	10.436	-0.150
7.790	-0.346	7.804	-0.854	7.814	-0.943	7.823	-0.514	10.445	-0.022	10.449	0.001	10.461	-0.110	10.476	-0.508
7.831	-0.183	7.841	-0.094	7.854	-0.421	7.863	-0.558	10.487	-0.774	10.509	-0.494	10.525	-0.198	10.534	-0.176
7.876	-0.125	7.886	0.051	7.895	0.051	7.895	-0.558	10.544	-0.499	10.564	-0.676	10.573	-0.340	10.585	-0.013
7.900	0.135	7.907	-0.024	7.916	0.099	7.924	0.113	10.597	0.208	10.614	0.036	10.626	-0.123	10.640	-0.092
7.933	0.211	7.938	-0.050	7.952	-0.448	7.961	-0.837	10.652	-0.194	10.659	-0.353	10.677	-0.468	10.690	-0.326
7.964	-0.969	7.971	-1.022	7.988	-0.960	7.999	-1.053	10.695	-0.105	10.704	0.133	10.719	0.398	10.732	0.575
8.012	-1.035	8.025	-0.593	8.033	0.025	8.042	0.140	10.754	0.584	10.766	0.593	10.795	0.350	10.805	0.345
8.045	0.317	8.054	0.454	8.067	0.675	8.076	0.750	10.837	0.058	10.853	-0.136	10.873	-0.570	10.897	-0.495
8.085	0.808	8.088	0.816	8.094	0.803	8.101	0.587	10.911	-0.495	10.928	-0.393	10.938	-0.252	10.945	-0.036
8.113	0.366	8.131	0.101	8.142	0.021	8.153	-0.041	10.952	-0.097	10.954	0.172	10.970	0.335	10.982	0.229
8.171	-0.036	8.188	0.074	8.198	0.088	8.211	0.158	10.997	-0.160	11.011	-0.394	11.029	-0.169	11.041	-0.054
8.231	0.127	8.242	0.172	8.256	0.035	8.268	-0.332	11.059	0.193	11.071	0.087	11.081	0.118	11.107	0.096
8.282	-0.566	8.287	-0.641	8.297	-0.597	8.305	-0.416	11.120	-0.095	11.136	-0.267	11.156	-0.104	11.172	0.002
8.314	-0.270	8.334	-0.478	8.344	-0.438	8.356	-0.275	11.189	-0.188	11.213	-0.272	11.227	-0.126	11.241	0.015
8.368	-0.160	8.384	-0.390	8.394	-0.558	8.417	-0.748	11.259	-0.091	11.270	-0.083	11.295	0.178	11.318	-0.004
8.444	-1.005	8.465	-0.784	8.482	-0.704	8.496	-0.263	11.345	0.049	11.375	0.350	11.387	0.319	11.411	0.133
8.511	0.223	8.519	0.497	8.539	0.767	8.548	1.080	11.438	0.138	11.456	0.147	11.472	0.129	11.502	-0.394
8.557	1.253	8.562	1.319	8.574	1.173	8.586	0.696	11.530	-0.026	11.543	-0.251	11.551	-0.242	11.562	-0.132
8.596	0.426	8.610	0.302	8.621	0.280	8.621	0.169	11.575	-0.211	11.596	-0.445	11.615	-0.264	11.625	-0.083
8.633	-0.167	8.648	-0.392	8.661	-0.357	8.682	-0.401	11.635	-0.034	11.662	0.304	11.681	-0.158	11.699	0.010
8.692	-0.401	8.712	-0.194	8.731	0.071	8.741	0.164	11.712	-0.206	11.724	-0.410	11.741	-0.189	11.747	-0.078
8.765	0.128	8.774	-0.022	8.784	-0.181	8.800	-0.296	11.760	-0.065	11.772	-0.280	11.784	-0.445	11.797	-0.118
8.827	-0.460	8.839	-0.588	8.851	-0.389	8.857	-0.235	11.811	0.147	11.824	0.037	11.836	0.125	11.847	0.311
8.865	-0.151	8.882	-0.279	8.893	-0.315	8.906	-0.129	11.857	0.466	11.873	0.132	11.887	-0.104	11.900	0.162
8.918	0.171	8.927	0.246	8.947	-0.134	8.973	-0.143	11.917	0.387	11.930	0.153	11.943	-0.001	11.958	0.216
8.985	-0.099	8.994	-0.263	9.008	-0.603	9.015	-0.718	11.974	0.472	11.988	0.221	12.000	0.040	12.012	0.217
9.024	-0.789	9.038	-0.710	9.059	-0.719	9.076	-0.728	12.025	0.319	12.042	0.032	12.060	-0.087	12.076	-0.043
9.089	-0.622	9.097	-0.423	9.104	-0.118	9.118	0.129	12.106	-0.383	12.126	-0.219	12.149	-0.095	12.173	0.220
9.129	0.094	9.136	-0.048	9.151	-0.176	9.165	-0.145	12.197	0.308	12.215	0.344	12.234	0.473	12.253	0.358
9.176	-0.084	9.201	-0.225	9.210	-0.389	9.218	-0.460	12.271	0.296	12.292	-0.057	12.310	-0.379	12.324	-0.503
9.238	-0.288	9.250	0.017	9.253	0.234	9.265	0.331	12.354	-0.489	12.370	-0.285	12.390	0.024	12.405	0.002
9.276	0.216	9.285	0.110	9.294	0.074	9.317	0.326	12.420	0.073	12.451	0.025	12.469	-0.293	12.483	-0.637
9.320	0.392	9.332	0.436	9.340	0.370	9.358	0.047	12.495	-0.774	12.517	-0.416	12.534	-0.080	12.549	0.004
9.359	-0.037	9.362	-0.086	9.369	-0.015	9.376	0.087	12.564	0.340	12.575	0.548	12.586	0.610	12.596	0.531
9.387	0.197	9.412	0.219	9.412	0.219	9.443	0.069	12.608	0.345	12.630	0.151	12.643	0.120	12.655	0.034
9.457	-0.055	9.467	-0.351	9.476	-0.788	9.488	-0.983	12.661	-0.233	12.680	-0.546	12.699	-0.285	12.714	-0.188
9.504	-0.695	9.512	-0.576	9.538	-0.806	9.549	-0.749	12.734	-0.466	12.746	-0.484	12.755	-0.307	12.767	-0.183
9.552	-0.532	9.562	-0.262	9.571	-0.147	9.586	-0.236	12.779	-0.130	12.804	-0.213	12.819	-0.385	12.850	-0.571
9.595	-0.170	9.624	-0.117	9.624	-0.099	9.638	-0.293	12.871	-0.610	12.883	-0.654	12.897	-0.610	12.920	-0.323
9.643	-0.364	9.657	-0.391	9.671	-0.536	9.679	-0.651	12.933	-0.375	12.950	-0.503	12.966	-0.410	12.986	-0.295
9.698	-0.475	9.706	-0.090	9.716	0.162	9.726	0.330	13.001	-0.344	13.019	-0.154	13.037	0.019	13.058	-0.180
9.744	0.157	9.780	-0.083	9.789	-0.333	9.802	-0.382	13.073	-0.317	13.097	-0.241	13.111	-0.232	13.130	-0.011
9.816	-0.311	9.830	-0.333	9.850	-0.523	9.865	-0.178	13.148	0.135	13.166	0.148	13.187	0.263	13.207	-0.006
9.874	0.272	9.892	0.555	9.922	0.772	9.934	0.587	13.219	-0.289	13.231	-0.421	13.253	-0.373	13.273	-0.372
9.942	0.419	9.966	0.291	9.966	0.185	9.977	0.030	13.285	-0.324	13.303	-0.315	13.321	-0.244	13.336	-0.124
9.981	-0.107	9.992	-0.372	9.999	-0.553	10.014	-0.509	13.356	-0.093	13.381	0.097	13.408	0.009	13.435	0.089



13.450	-0.022	13.465	-0.238	13.493	-0.384	13.513	-0.251	18.220	0.309	18.241	0.190	18.265	0.124	18.286	0.248
13.531	-0.114	13.550	-0.087	13.574	0.240	13.592	0.444	18.313	0.076	18.341	0.152	18.368	0.046	18.391	0.100
13.610	0.128	13.631	0.068	13.655	0.011	13.659	-0.303	18.421	0.008	18.445	0.070	18.470	-0.040	18.487	-0.212
13.676	0.592	13.691	-0.395	13.705	-0.249	13.724	-0.284	18.498	0.013	18.518	-0.362	18.535	-0.096	18.555	-0.290
13.749	-0.130	13.768	-0.112	13.804	-0.324	13.829	-0.058	18.578	-0.314	18.598	-0.294	18.609	-0.073	18.621	-0.369
13.842	0.039	13.858	0.070	13.872	0.048	13.891	0.052	18.638	-0.214	18.656	-0.319	18.678	-0.306	18.699	-0.389
13.923	-0.123	13.948	-0.119	13.976	-0.171	14.009	0.028	18.717	-0.499	18.744	-0.543	18.763	-0.326	18.776	-0.401
14.031	0.068	14.061	0.232	14.083	0.003	14.097	-0.143	18.806	-0.104	18.832	0.060	18.858	-0.028	18.886	-0.098
14.117	0.065	14.137	0.233	14.154	0.171	14.166	0.216	18.910	-0.212	18.934	-0.221	18.945	-0.181	18.973	-0.189
14.190	0.442	14.214	0.486	14.259	0.301	14.275	0.270	18.994	-0.056	19.031	-0.095	19.054	-0.156	19.078	-0.200
14.305	0.138	14.328	0.174	14.349	-0.043	14.363	-0.263	19.099	-0.142	19.126	-0.177	19.157	-0.052	19.192	-0.135
14.391	-0.431	14.419	-0.201	14.436	-0.060	14.451	-0.060	19.223	-0.122	19.246	0.020	19.267	0.127	19.280	0.114
14.481	0.117	14.505	-0.156	14.516	-0.236	14.538	-0.125	19.298	0.207	19.319	0.243	19.350	0.054	19.372	-0.021
14.562	-0.200	14.584	0.105	14.602	0.344	14.618	0.357	19.390	-0.016	19.404	0.099	19.430	0.157	19.443	0.215
14.638	0.583	14.651	0.746	14.665	0.578	14.689	0.225	19.455	0.184	19.468	0.410	19.482	0.180	19.502	0.180
14.711	0.274	14.733	0.119	14.745	0.084	14.770	0.208	19.561	0.128	19.529	0.185	19.540	0.004	19.556	0.310
14.794	0.177	14.812	0.212	14.833	0.288	14.866	0.124	19.561	0.146	19.577	0.403	19.587	0.142	19.604	0.395
14.891	0.036	14.912	-0.128	14.936	-0.017	14.959	-0.048	19.628	0.276	19.655	0.325	19.677	0.224	19.702	0.109
14.985	-0.026	15.004	-0.035	15.041	-0.208	15.071	-0.093	19.712	0.061	19.730	0.189	19.744	0.137	19.770	0.314
15.104	-0.137	15.122	0.040	15.138	0.163	15.159	0.115	19.789	0.261	19.804	0.257	19.818	0.306	19.843	0.245
15.176	0.216	15.191	0.331	15.198	0.318	15.209	0.384	19.869	0.099	19.884	0.029	19.915	0.047	19.926	0.029
15.225	0.278	15.237	0.305	15.257	-0.045	15.282	-0.124	19.953	0.043	19.980	-0.015	20.009	-0.001	20.033	0.039
15.289	-0.217	15.298	-0.129	15.314	-0.160	15.328	-0.076	20.050	0.083	20.072	0.207	20.144	-0.088	20.158	-0.066
15.341	0.013	15.355	0.083	15.370	-0.005	15.387	0.177	20.123	0.115	20.132	-0.017	20.144	-0.088	20.158	-0.066
15.403	0.075	15.413	-0.044	15.428	0.053	15.445	0.058	20.166	0.045	20.191	-0.065	20.200	0.041	20.215	-0.091
15.456	0.102	15.465	0.248	15.479	0.129	15.497	0.164	20.229	0.050	20.251	-0.078	20.275	-0.042	20.283	0.033
15.513	0.199	15.521	0.182	15.532	0.217	15.556	-0.057	20.304	0.038	20.325	-0.157	20.339	-0.015	20.359	-0.006
15.575	-0.211	15.595	-0.101	15.614	0.028	15.638	0.032	20.365	0.144	20.374	-0.033	20.385	-0.211	20.408	-0.081
15.659	0.085	15.673	0.024	15.694	-0.219	15.716	-0.391	20.426	0.197	20.446	0.131	20.472	0.127	20.497	0.074
15.741	-0.835	15.762	-0.462	15.775	-0.409	15.798	-0.210	20.513	-0.178	20.522	0.220	20.536	-0.010	20.551	-0.085
15.813	-0.095	15.839	-0.072	15.858	0.016	15.881	-0.130	20.563	0.087	20.576	-0.094	20.590	0.171	20.603	-0.010
15.899	-0.298	15.915	-0.297	15.943	-0.483	15.964	-0.280	20.609	0.167	20.615	-0.045	20.624	0.220	20.641	0.101
15.979	-0.191	15.991	-0.134	16.004	-0.235	16.021	-0.036	20.648	0.079	20.656	0.348	20.665	0.154	20.676	0.180
16.037	-0.138	16.055	-0.173	16.070	-0.456	16.083	-0.443	20.689	0.163	20.701	0.114	20.715	0.304	20.737	0.207
16.091	-0.248	16.109	-0.434	16.127	-0.266	16.149	-0.168	20.757	0.167	20.772	0.074	20.780	0.167	20.797	0.030
16.167	-0.133	16.184	-0.226	16.200	-0.133	16.214	-0.071	20.829	0.110	20.847	-0.014	20.866	0.075	20.888	0.071
16.230	-0.137	16.259	0.124	16.273	0.009	16.288	-0.159	20.913	-0.013	20.937	-0.119	20.959	-0.154	21.000	-0.339
16.322	-0.114	16.345	-0.234	16.362	-0.123	16.388	-0.097	21.027	-0.259	21.064	-0.060	21.099	-0.147	21.124	-0.196
16.416	-0.128	16.430	-0.017	16.442	-0.048	16.458	0.045	21.149	-0.195	21.177	-0.208	21.215	-0.053	21.227	0.031
16.477	0.137	16.493	0.137	16.510	0.053	16.534	0.106	21.247	-0.048	21.267	0.018	21.276	0.129	21.293	-0.087
16.561	-0.040	16.581	-0.137	16.613	-0.181	16.646	0.031	21.321	-0.175	21.344	0.174	21.364	-0.139	21.390	-0.059
16.683	0.110	16.704	0.230	16.734	0.022	16.758	-0.142	21.407	-0.059	21.417	-0.244	21.436	-0.031	21.456	0.155
16.777	-0.120	16.805	-0.164	16.824	-0.080	16.847	0.176	21.467	-0.022	21.481	0.014	21.494	-0.154	21.504	0.072
16.865	0.300	16.898	0.053	16.929	-0.071	16.948	-0.141	21.516	0.059	21.521	-0.215	21.533	0.024	21.547	0.135
16.978	-0.017	17.007	0.045	17.032	0.058	17.053	-0.061	21.556	-0.121	21.566	0.211	21.579	0.096	21.590	0.048
17.076	-0.026	17.100	-0.149	17.118	-0.189	17.149	-0.087	21.601	0.128	21.612	0.004	21.625	-0.115	21.642	0.009
17.165	-0.087	17.195	-0.025	17.223	-0.029	17.244	-0.042	21.654	0.187	21.668	-0.016	21.691	0.011	21.708	0.307
17.271	-0.161	17.285	-0.170	17.319	-0.086	17.334	-0.090	21.720	0.197	21.740	0.198	21.759	0.203	21.776	0.141
17.355	-0.050	17.388	-0.112	17.419	-0.001	17.451	-0.106	21.794	0.221	21.810	0.177	21.820	0.231	21.827	0.244
17.475	-0.066	17.492	-0.070	17.534	0.063	17.555	0.059	21.832	0.218	21.843	0.276	21.857	0.276	21.868	0.267
17.585	0.152	17.616	-0.055	17.640	-0.010	17.662	-0.131	21.877	0.223	21.887	0.250	21.900	0.219	21.909	0.233
17.683	0.123	17.723	0.097	17.747	-0.022	17.787	-0.039	21.917	0.184	21.924	0.149	21.935	0.185	21.943	0.167
17.812	0.036	17.832	0.191	17.857	0.192	17.881	0.175	21.950	0.185	21.958	0.167	21.964	0.185	21.975	0.150
17.902	0.162	17.923	0.224	17.939	0.224	17.959	0.127	21.989	0.124	22.002	0.106	22.015	0.102	22.025	0.120
17.976	0.044	18.020	0.053	18.057	0.231	18.076	0.191	22.041	0.138	22.051	0.165	22.063	0.121	22.073	0.103
18.116	0.325	18.132	0.338	18.158	0.414	18.196	0.286	22.086	0.135	22.099	0.161	22.111	0.188	22.126	0.197



22.137	0.211	22.147	0.255	22.160	0.291	22.173	0.313	24.670	-0.026	24.689	-0.035	24.699	-0.022	24.713	0.018
22.182	0.291	22.193	0.243	22.206	0.190	22.220	0.146	24.729	0.040	24.742	0.035	24.750	0.026	24.768	0.066
22.238	0.067	22.252	-0.026	22.267	-0.114	22.281	-0.166	24.785	0.084	24.795	0.088	24.812	0.053	24.832	0.070
22.293	0.188	22.299	-0.175	22.310	-0.131	22.319	-0.126	24.849	0.057	24.870	0.057	24.889	0.070	24.910	0.079
22.328	-0.059	22.340	-0.028	22.351	-0.015	22.361	0.012	24.925	0.097	24.938	0.128	24.947	0.110	24.959	0.084
22.371	0.012	22.382	0.047	22.391	0.087	22.402	0.145	24.970	0.137	24.983	0.146	24.993	0.171	25.009	0.119
22.408	0.162	22.426	0.136	22.434	0.136	22.444	0.074	25.026	0.155	25.044	0.119	25.063	0.071	25.073	0.119
22.453	0.030	22.469	0.026	22.483	0.030	22.491	0.053	25.084	0.155	25.097	0.128	25.113	0.155	25.127	0.181
22.506	0.075	22.517	0.053	22.530	0.088	22.538	0.097	25.136	0.136	25.149	0.287	25.159	0.270	25.172	0.208
22.548	0.058	22.561	0.067	22.576	0.036	22.587	0.023	25.186	0.137	25.203	0.128	25.224	0.120	25.244	0.093
22.593	0.054	22.601	0.138	22.609	0.213	22.614	0.138	25.269	0.089	25.287	0.111	25.305	0.124	25.324	0.120
22.622	0.076	22.634	0.107	22.641	0.182	22.655	0.218	25.340	0.076	25.356	0.089	25.367	0.076	25.383	0.089
22.665	0.204	22.675	0.129	22.685	0.187	22.692	0.143	25.402	0.089	25.423	0.094	25.440	0.045	25.455	0.014
22.699	0.015	22.705	-0.215	22.710	-0.038	22.718	0.169	25.468	0.089	25.474	-0.030	25.483	-0.043	25.492	0.036
22.729	-0.016	22.739	0.121	22.747	0.170	22.754	0.033	25.506	0.010	25.517	0.072	25.531	0.036	25.543	0.098
22.760	-0.073	22.770	-0.108	22.776	0.064	22.783	0.132	25.558	0.041	25.568	0.050	25.579	0.098	25.591	0.045
22.793	0.113	22.808	0.144	22.819	0.100	22.831	0.113	25.607	0.112	25.622	0.103	25.639	0.076	25.661	0.085
22.841	0.153	22.851	0.113	22.862	0.029	22.875	-0.192	25.674	0.125	25.686	0.041	25.705	0.015	25.719	-0.012
22.885	-0.050	22.891	0.157	22.903	0.250	22.911	0.206	25.735	-0.003	25.749	0.068	25.760	0.050	25.770	0.028
22.921	0.087	22.933	-0.006	22.945	0.162	22.956	-0.046	25.793	-0.003	25.813	0.121	25.839	0.156	25.862	0.200
22.964	0.091	22.969	0.232	22.981	0.153	22.992	0.060	25.879	0.244	25.892	0.196	25.912	0.191	25.930	0.186
22.999	0.020	23.005	0.064	23.011	0.215	23.018	0.241	25.950	0.279	25.968	0.305	25.977	0.323	25.989	0.305
23.027	0.197	23.035	0.144	23.044	0.201	23.053	0.228	26.011	0.349	26.031	0.362	26.047	0.317	26.058	0.246
23.062	0.179	23.070	0.139	23.079	0.201	23.091	0.188	26.037	0.237	26.095	0.264	26.119	0.294	26.142	0.320
23.106	0.139	23.118	0.161	23.127	0.205	23.134	0.104	26.160	0.364	26.176	0.351	26.188	0.329	26.204	0.253
23.145	0.095	23.154	0.152	23.168	0.157	23.178	0.192	26.221	0.178	26.243	0.133	26.260	0.093	26.273	0.111
23.194	0.166	23.208	0.143	23.221	0.183	23.238	0.192	26.289	0.089	26.304	0.111	26.329	0.141	26.352	0.128
23.253	0.254	23.262	0.205	23.271	0.214	23.282	0.161	26.375	0.122	26.386	0.074	26.403	0.007	26.422	-0.047
23.298	0.117	23.306	0.108	23.318	0.139	23.326	0.125	26.439	-0.061	26.452	-0.012	26.476	-0.013	26.488	-0.031
23.336	0.086	23.351	0.125	23.367	0.112	23.382	0.103	26.505	-0.062	26.524	-0.120	26.538	-0.125	26.555	-0.104
23.396	0.050	23.409	0.010	23.425	-0.008	23.438	-0.030	26.572	-0.082	26.581	-0.100	26.592	-0.061	26.606	-0.096
23.450	-0.008	23.469	0.001	23.492	0.000	23.505	-0.009	26.618	-0.079	26.632	-0.088	26.647	-0.062	26.664	-0.169
23.528	-0.026	23.540	-0.049	23.550	-0.022	23.561	0.009	26.675	-0.125	26.692	-0.125	26.704	-0.073	26.717	-0.139
23.574	0.004	23.588	-0.014	23.601	-0.067	23.623	-0.054	26.729	-0.060	26.743	-0.118	26.758	-0.185	26.769	-0.211
23.716	0.105	23.726	0.127	23.732	0.078	23.744	0.011	26.779	-0.172	26.792	-0.164	26.802	-0.115	26.815	-0.133
23.758	-0.020	23.773	-0.033	23.782	0.002	23.791	0.099	26.835	-0.107	26.844	-0.289	26.851	-0.094	26.859	-0.011
23.800	0.055	23.809	0.033	23.821	0.068	23.831	0.152	26.867	-0.126	26.873	-0.236	26.880	-0.113	26.888	-0.104
23.844	0.174	23.852	0.258	23.860	0.337	23.869	0.289	26.897	-0.179	26.910	-0.188	26.918	-0.175	26.926	-0.092
23.876	0.156	23.885	0.355	23.895	0.028	23.902	0.297	26.939	-0.123	26.959	-0.145	26.970	-0.137	26.984	-0.163
23.910	0.496	23.916	0.333	23.922	0.112	23.928	0.257	26.997	-0.102	27.011	-0.058	27.029	-0.014	27.050	0.025
23.936	0.306	23.942	0.191	23.949	0.222	23.960	0.261	27.068	0.060	27.080	0.109	27.091	0.148	27.107	0.144
23.968	0.160	23.980	0.168	23.988	0.160	24.002	0.243	27.125	0.121	27.135	0.147	27.144	0.107	27.153	0.191
24.011	0.173	24.027	0.172	24.044	0.177	24.056	0.243	27.161	0.231	27.171	0.200	27.186	0.199	27.197	0.217
24.062	0.261	24.073	0.203	24.082	0.198	24.093	0.296	27.212	0.141	27.223	0.172	27.240	0.154	27.258	0.158
24.102	0.344	24.113	0.326	24.124	0.242	24.138	0.238	27.264	0.242	27.273	0.056	27.288	0.259	27.299	0.224
24.154	0.198	24.165	0.078	24.171	0.154	24.181	0.100	27.314	0.237	27.335	0.289	27.352	0.280	27.368	0.289
24.191	0.149	24.202	0.096	24.211	0.100	24.222	0.125	27.379	0.298	27.392	0.236	27.414	0.231	27.434	0.213
24.234	0.020	24.249	0.104	24.262	-0.024	24.272	0.022	27.453	0.169	27.473	0.151	27.493	0.160	27.512	0.164
24.287	0.113	24.297	0.104	24.311	0.046	24.321	0.073	27.525	0.146	27.543	0.106	27.558	0.093	27.576	0.106
24.331	-0.064	24.348	0.033	24.348	0.050	24.360	0.010	27.592	0.084	27.609	0.018	27.630	-0.022	27.645	-0.044
24.378	-0.007	24.396	0.024	24.409	0.024	24.420	-0.021	27.657	-0.036	27.675	-0.080	27.693	-0.124	27.719	-0.111
24.435	0.028	24.444	-0.039	24.457	-0.070	24.475	-0.065	27.734	-0.116	27.755	-0.134	27.775	-0.129	27.794	-0.107
24.492	-0.034	24.529	-0.034	24.529	-0.008	24.536	0.014	27.812	-0.068	27.830	-0.090	27.843	-0.103	27.863	-0.143
24.548	-0.030	24.561	-0.008	24.580	0.032	24.596	0.045	27.887	-0.130	27.911	-0.139	27.926	-0.099	27.943	-0.055
24.599	0.005	24.617	-0.044	24.631	-0.048	24.651	-0.022	27.962	-0.024	27.974	-0.091	27.988	-0.135	28.000	-0.100
								28.015	-0.056	28.030	-0.074	28.041	-0.016	28.049	0.032



28.061	0.054	28.079	0.037	28.104	0.032	28.131	0.045	31.901	0.119	31.908	0.071	31.923	0.133	31.936	0.079
28.146	0.067	28.161	0.142	28.179	0.146	28.205	0.142	31.957	0.053	31.982	0.030	31.998	-0.023	32.015	-0.036
28.226	0.142	28.246	0.168	28.265	0.186	28.278	0.163	32.029	-0.014	32.044	0.070	32.065	0.131	32.088	0.144
28.292	0.172	28.308	0.172	28.325	0.194	28.347	0.234	32.107	0.166	32.131	0.122	32.153	0.086	32.167	0.091
28.367	0.260	28.389	0.313	28.411	0.339	28.432	0.388	32.177	0.090	32.187	0.095	32.196	0.112	32.207	0.121
28.441	0.414	28.459	0.387	28.481	0.392	28.494	0.374	32.221	0.156	32.233	0.200	32.245	0.231	32.263	0.249
28.506	0.391	28.521	0.365	28.536	0.378	28.549	0.409	32.279	0.249	32.295	0.235	32.307	0.248	32.321	0.222
28.565	0.444	28.574	0.400	28.597	0.382	28.620	0.359	32.336	0.186	32.351	0.160	32.358	0.151	32.371	0.182
28.643	0.333	28.661	0.315	28.681	0.328	28.706	0.310	32.379	0.181	32.391	0.217	32.399	0.225	32.415	0.194
28.728	0.297	28.747	0.288	28.768	0.252	28.784	0.212	32.430	0.176	32.441	0.145	32.453	0.216	32.470	0.189
28.797	0.234	28.806	0.269	28.818	0.181	28.829	0.243	32.482	0.167	32.493	0.207	32.503	0.189	32.517	0.180
28.837	0.198	28.843	0.247	28.854	0.216	28.867	0.256	32.524	0.153	32.536	0.166	32.545	0.149	32.560	0.148
28.881	0.273	28.893	0.291	28.908	0.255	28.922	0.269	32.575	0.135	32.591	0.113	32.598	0.108	32.608	0.117
28.937	0.233	28.961	0.184	28.986	0.166	29.014	0.149	32.619	0.059	32.635	-0.025	32.649	-0.025	32.656	-0.029
29.038	0.122	29.066	0.078	29.092	0.073	29.117	0.064	32.672	0.032	32.684	0.032	32.696	0.063	32.705	0.072
29.143	0.073	29.172	0.064	29.195	0.041	29.208	0.024	32.708	0.072	32.719	0.129	32.731	0.076	32.738	0.030
29.224	0.059	29.244	0.090	29.273	0.107	29.291	0.089	32.756	-0.035	32.762	0.000	32.770	-0.035	32.782	0.000
29.310	0.041	29.336	-0.021	29.366	-0.057	29.390	-0.031	32.797	-0.102	32.806	-0.080	32.818	-0.115	32.831	-0.000
29.418	-0.033	29.445	-0.067	29.465	-0.049	29.483	-0.041	32.848	-0.182	32.863	0.004	32.870	-0.067	32.886	-0.094
29.504	-0.006	29.516	0.030	29.535	0.007	29.552	-0.077	32.894	-0.107	32.906	0.112	32.921	-0.116	32.935	-0.112
29.576	-0.059	29.593	-0.117	29.618	-0.131	29.633	-0.078	32.947	-0.112	32.958	-0.121	32.964	-0.139	32.969	-0.183
29.650	-0.118	29.665	-0.056	29.678	-0.012	29.695	-0.153	32.985	-0.135	32.993	-0.148	33.001	-0.170	33.005	-0.157
29.707	-0.052	29.719	-0.127	29.734	-0.052	29.743	-0.110	33.011	-0.108	33.023	-0.153	33.029	-0.175	33.036	-0.157
29.750	-0.207	29.757	-0.026	29.764	0.067	29.772	-0.039	33.045	-0.197	33.051	-0.193	33.063	-0.127	33.068	-0.144
29.779	-0.163	29.793	-0.057	29.803	-0.133	29.821	-0.120	33.072	-0.127	33.083	-0.175	33.092	-0.193	33.100	-0.255
29.838	-0.102	29.861	-0.125	29.881	-0.147	29.896	-0.134	33.108	-0.211	33.112	-0.224	33.113	-0.096	33.118	-0.114
29.916	-0.134	29.937	-0.161	29.954	-0.175	29.973	-0.228	33.121	-0.185	33.125	-0.220	33.131	-0.180	33.137	-0.273
29.983	-0.242	29.999	-0.198	30.008	-0.189	30.015	-0.225	33.143	-0.260	33.146	-0.260	33.153	-0.296	33.159	-0.260
30.026	-0.128	30.049	-0.066	30.053	-0.150	30.068	-0.115	33.171	-0.247	33.174	-0.283	33.180	-0.234	33.186	-0.243
30.079	-0.213	30.091	-0.156	30.105	-0.103	30.122	-0.139	33.190	-0.155	33.197	-0.177	33.201	-0.252	33.213	-0.217
30.138	-0.236	30.150	-0.121	30.166	-0.051	30.183	-0.043	33.216	-0.173	33.229	-0.186	33.238	-0.142	33.249	-0.186
30.196	-0.052	30.211	-0.180	30.232	-0.057	30.249	-0.252	33.259	-0.213	33.268	-0.173	33.281	-0.160	33.290	-0.226
30.262	0.000	30.282	-0.044	30.308	-0.089	30.324	-0.041	33.334	-0.227	33.343	-0.139	33.372	-0.117	33.382	-0.187
30.346	-0.046	30.367	-0.059	30.394	-0.148	30.412	-0.051	33.356	-0.227	33.361	-0.139	33.372	-0.117	33.382	-0.135
30.423	-0.078	30.440	-0.030	30.457	-0.030	30.471	0.022	33.392	-0.095	33.403	-0.122	33.418	-0.139	33.432	-0.100
30.491	0.066	30.512	0.119	30.536	0.079	30.549	0.083	33.443	-0.104	33.451	-0.073	33.464	-0.052	33.472	-0.074
30.562	0.100	30.578	0.038	30.600	0.038	30.625	0.037	33.483	-0.087	33.492	-0.047	33.506	0.005	33.520	0.023
30.650	0.059	30.671	0.094	30.687	0.142	30.704	0.203	33.536	0.023	33.551	0.014	33.565	-0.017	33.579	-0.009
30.724	0.159	30.744	0.128	30.762	0.180	30.786	0.193	33.589	-0.086	33.603	-0.018	33.616	0.004	33.627	-0.005
30.802	0.148	30.818	0.086	30.832	0.135	30.846	0.121	33.639	-0.018	33.653	0.017	33.662	0.057	33.675	0.070
30.864	0.169	30.886	0.185	30.900	0.174	30.920	0.235	33.690	0.127	33.703	0.158	33.717	0.140	33.737	0.118
30.943	0.235	30.969	0.279	30.992	0.288	31.021	0.230	33.748	0.056	33.758	0.060	33.770	0.073	33.778	0.064
31.034	0.252	31.050	0.181	31.063	0.212	31.079	0.229	33.790	0.104	33.802	0.104	33.817	0.135	33.833	0.121
31.098	0.185	31.113	0.260	31.128	0.238	31.148	0.193	33.846	0.139	33.855	0.108	33.873	0.108	33.881	0.130
31.160	0.171	31.173	0.264	31.181	0.193	31.190	0.215	33.894	0.076	33.909	0.072	33.922	0.054	33.938	0.085
31.201	0.171	31.215	0.250	31.227	0.157	31.242	0.162	33.947	0.076	33.957	0.116	33.969	0.138	33.986	0.226
31.253	0.064	31.266	0.131	31.289	0.091	31.309	0.035	33.999	0.279	34.014	0.243	34.030	0.243	34.044	0.221
31.322	-0.007	31.331	0.055	31.340	0.028	31.348	0.094	34.054	0.163	34.067	0.101	34.077	0.066	34.090	0.101
31.360	-0.073	31.377	0.090	31.397	0.041	31.415	0.028	34.100	0.159	34.113	0.141	34.125	0.163	34.137	0.176
31.434	-0.037	31.449	0.147	31.468	0.143	31.481	-0.074	34.149	0.207	34.162	0.233	34.176	0.260	34.192	0.264
31.498	0.085	31.512	-0.056	31.524	-0.127	31.538	-0.065	34.254	0.188	34.262	0.113	34.270	0.104	34.281	0.166
31.548	0.019	31.560	-0.149	31.575	0.006	31.583	-0.114	34.292	0.201	34.301	0.126	34.308	0.095	34.317	0.082
31.600	-0.012	31.619	0.032	31.634	-0.158	31.645	-0.012	34.328	0.059	34.340	0.090	34.351	0.077	34.363	0.090
31.665	-0.021	31.678	-0.061	31.700	-0.021	31.724	-0.021	34.373	0.116	34.384	0.019	34.398	0.054	34.408	0.034
31.745	-0.043	31.771	-0.083	31.785	0.027	31.804	-0.035	34.422	0.072	34.433	0.094	34.447	0.085	34.469	0.062
31.830	-0.044	31.852	-0.026	31.870	0.045	31.882	0.018								



34.478	0.054	34.491	0.080	34.509	0.089	34.526	0.071	37.689	0.044	37.703	0.048	37.711	0.017	37.716	-0.005
34.538	0.035	34.549	0.022	34.562	0.044	34.580	0.044	37.731	-0.054	37.748	-0.067	37.763	-0.076	37.777	-0.049
34.595	0.039	34.607	0.052	34.625	0.070	34.634	0.092	37.790	-0.040	37.804	-0.040	37.816	-0.023	37.829	0.004
34.644	0.118	34.658	0.127	34.666	0.131	34.679	0.100	37.842	0.022	37.854	0.052	37.870	0.044	37.881	0.021
34.691	0.025	34.697	0.056	34.703	-0.001	34.713	-0.024	37.895	0.017	37.907	-0.023	37.928	0.004	37.948	0.034
34.728	-0.086	34.737	-0.081	34.750	-0.017	34.769	-0.055	37.969	0.061	37.984	0.025	37.996	0.003	38.006	-0.019
34.785	0.033	34.799	0.086	34.814	0.086	34.829	0.073	38.021	-0.001	38.038	0.025	38.050	0.012	38.064	-0.001
34.842	0.028	34.854	-0.043	34.862	-0.012	34.869	-0.038	38.077	-0.015	38.091	-0.028	38.104	-0.010	38.117	-0.006
34.876	-0.030	34.883	-0.030	34.893	-0.017	34.902	-0.026	38.132	0.011	38.147	0.020	38.161	0.056	38.177	0.082
34.913	-0.004	34.926	-0.026	34.935	-0.057	34.951	-0.084	38.193	0.095	38.210	0.073	38.222	0.042	38.235	0.002
34.967	-0.071	34.982	-0.066	34.996	-0.067	35.010	-0.036	38.245	0.038	38.257	0.055	38.263	0.095	38.278	0.082
35.023	-0.001	35.035	0.004	35.051	-0.023	35.065	-0.081	38.291	0.068	38.308	0.064	38.323	0.033	38.337	0.002
35.076	-0.107	35.085	-0.121	35.101	-0.108	35.116	-0.095	38.355	-0.007	38.370	-0.007	38.383	0.037	38.402	0.068
35.131	-0.073	35.151	-0.064	35.168	-0.064	35.186	-0.056	38.416	0.085	38.431	0.098	38.446	0.129	38.457	0.142
35.199	-0.052	35.216	-0.008	35.226	0.010	35.239	0.005	38.472	0.116	38.489	0.093	38.505	0.080	38.522	0.049
35.253	-0.043	35.268	-0.092	35.278	-0.097	35.295	-0.048	38.537	0.000	38.553	-0.035	38.567	-0.031	38.582	-0.014
35.309	0.004	35.323	0.035	35.335	0.022	35.352	0.070	38.602	0.022	38.617	0.035	38.632	0.021	38.652	0.048
35.369	0.070	35.382	0.039	35.393	0.034	35.408	0.021	38.670	0.061	38.682	0.061	38.700	0.038	38.718	0.021
35.427	0.139	35.443	0.087	35.459	0.104	35.479	0.130	38.732	0.025	38.746	0.025	38.759	0.007	38.777	-0.037
35.549	0.213	35.556	0.187	35.580	0.085	35.592	-0.004	38.789	-0.055	38.805	-0.011	38.828	0.033	38.846	0.064
35.607	-0.066	35.622	-0.088	35.639	-0.071	35.652	-0.013	38.864	0.068	38.878	0.085	38.892	0.107	38.906	0.094
35.670	0.084	35.681	0.141	35.697	0.150	35.712	0.145	38.922	0.107	38.937	0.085	38.956	0.045	38.965	0.049
35.727	0.127	35.736	0.114	35.752	0.131	35.767	0.127	38.974	0.058	38.987	0.031	39.000	0.031	39.011	-0.005
35.781	0.109	35.800	0.108	35.812	0.051	35.821	0.037	39.026	-0.009	39.040	-0.018	39.062	0.013	39.074	-0.014
35.833	0.046	35.842	0.024	35.854	0.041	35.872	0.046	39.093	-0.001	39.109	0.021	39.130	0.043	39.146	0.056
35.889	0.077	35.905	0.090	35.920	0.103	35.932	0.099	39.163	0.069	39.177	0.064	39.188	0.047	39.200	0.055
35.949	0.081	35.967	0.041	35.980	0.028	35.992	0.035	39.215	0.064	39.234	0.055	39.253	0.028	39.271	0.041
36.007	0.072	36.019	0.333	36.034	0.015	36.040	0.011	39.279	0.046	39.294	-0.008	39.306	0.014	39.315	0.023
36.055	0.050	36.069	0.037	36.076	-0.020	36.088	-0.020	39.322	0.045	39.339	0.005	39.365	-0.017	39.377	0.018
36.103	-0.003	36.112	-0.029	36.125	0.020	36.135	0.006	39.393	0.005	39.415	-0.013	39.435	-0.031	39.450	-0.049
36.148	0.000	36.162	0.064	36.171	0.011	36.186	0.019	39.469	-0.049	39.489	-0.022	39.503	-0.018	39.522	-0.049
36.202	0.041	36.220	0.046	36.234	0.019	36.249	0.006	39.541	-0.107	39.559	-0.045	39.574	-0.001	39.598	-0.028
36.267	-0.003	36.280	-0.003	36.294	-0.025	36.310	-0.073	39.607	-0.019	39.629	-0.045	39.647	-0.068	39.665	-0.055
36.324	-0.065	36.337	-0.043	36.357	0.028	36.367	0.055	39.682	-0.028	39.703	-0.042	39.722	-0.055	39.742	-0.073
36.381	0.055	36.393	0.050	36.406	0.024	36.418	-0.020	39.759	-0.091	39.777	-0.073	39.797	-0.055	39.817	-0.033
36.436	-0.055	36.445	-0.069	36.459	-0.077	36.475	-0.046	39.838	-0.029	39.860	-0.038	39.880	-0.038	39.898	-0.056
36.489	-0.011	36.499	-0.006	36.511	-0.024	36.524	-0.033	39.918	-0.039	39.936	-0.043	39.955	-0.061	39.972	-0.061
36.536	-0.020	36.550	-0.015	36.561	-0.011	36.575	-0.028	39.987	-0.066	40.006	-0.048	40.022	-0.026	40.046	-0.044
36.589	-0.037	36.602	-0.063	36.619	-0.059	36.636	-0.059	40.065	-0.075	40.083	-0.115	40.104	-0.124	40.117	-0.111
36.651	-0.085	36.669	-0.094	36.686	-0.054	36.705	-0.019	40.135	-0.071	40.152	-0.022	40.168	-0.009	40.187	-0.001
36.724	-0.005	36.747	0.021	36.766	0.037	36.781	0.070	40.204	0.035	40.218	0.052	40.233	0.061	40.251	0.052
36.796	0.070	36.811	0.030	36.835	-0.001	36.844	-0.023	40.267	0.034	40.284	0.016	40.294	-0.001	40.307	-0.010
36.865	-0.093	36.883	-0.080	36.902	-0.031	36.923	0.030	40.320	-0.015	40.335	-0.024	40.343	-0.019		
36.941	0.066	36.958	0.075	36.974	0.068	36.993	0.070								
37.008	0.079	37.020	0.110	37.029	0.088	37.048	0.039								
37.065	-0.005	37.080	-0.005	37.097	0.030	37.112	0.039								
37.129	0.017	37.145	-0.031	37.162	-0.023	37.183	-0.027								
37.202	0.013	37.220	0.053	37.238	0.092	37.256	0.088								
37.277	0.066	37.289	0.057	37.308	0.035	37.323	0.030								
37.338	0.017	37.353	-0.009	37.366	-0.009	37.373	-0.014								
37.388	-0.001	37.403	0.008	37.423	0.017	37.439	0.044								
37.453	0.066	37.464	0.053	37.479	0.061	37.495	0.030								
37.511	0.004	37.531	0.053	37.541	0.075	37.555	0.035								
37.567	0.039	37.582	-0.009	37.606	-0.005	37.623	-0.023								
37.642	-0.023	37.649	-0.018	37.659	-0.027	37.674	0.026								



IH 117  
71.025 2/9/71 0600EST L.A. 15250 VENTURA BLVD. ROOF N1E  
3290 POINTS 40.299 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 0.8665 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.017	0.005	-0.025	0.013	-0.057	0.019	-0.104	1.652	-0.088	1.661	-0.060	1.673	0.007	1.684	0.058
0.025	-0.132	0.038	-0.135	0.043	-0.116	0.049	-0.084	1.695	0.089	1.703	0.101	1.715	0.086	1.727	0.031
0.051	-0.043	0.064	-0.013	0.070	0.038	0.076	0.054	1.737	-0.044	1.752	-0.127	1.764	-0.154	1.781	-0.127
0.083	0.046	0.094	0.054	0.106	0.054	0.116	0.054	1.791	-0.064	1.801	-0.024	1.810	-0.028	1.822	-0.056
0.124	0.070	0.136	0.046	0.142	-0.009	0.154	-0.084	1.836	-0.063	1.840	-0.036	1.849	0.067	1.860	0.208
0.157	-0.119	0.163	-0.143	0.175	-0.115	0.187	-0.044	1.869	0.315	1.875	0.362	1.888	0.393	1.903	0.417
0.193	0.003	0.202	0.031	0.211	0.042	0.224	0.062	1.915	0.401	1.929	0.291	1.938	0.189	1.953	0.032
0.236	0.078	0.247	0.054	0.259	0.019	0.275	0.012	1.963	-0.071	1.974	-0.173	1.981	-0.240	1.994	-0.299
0.289	-0.032	0.305	-0.016	0.313	0.031	0.323	0.055	2.010	-0.319	2.020	-0.299	2.038	-0.248	2.048	-0.216
0.330	0.066	0.343	0.059	0.352	0.063	0.368	0.082	2.085	-0.196	2.070	-0.181	2.083	-0.121	2.093	0.024
0.377	0.071	0.389	-0.004	0.396	-0.047	0.405	-0.106	2.105	0.087	2.117	0.119	2.124	0.119	2.137	0.099
0.418	-0.134	0.427	0.142	0.434	-0.118	0.445	-0.094	2.150	0.095	2.161	0.095	2.175	0.107	2.185	0.103
0.456	-0.094	0.466	-0.090	0.477	-0.055	0.485	-0.023	2.200	0.072	2.214	0.052	2.228	0.048	2.240	0.064
0.493	0.016	0.499	0.032	0.511	0.040	0.524	0.055	2.252	-0.033	2.271	-0.085	2.283	-0.136	2.298	-0.121
0.535	0.067	0.544	0.056	0.557	0.011	0.563	-0.051	2.314	-0.074	2.320	-0.011	2.326	0.056	2.332	0.143
0.572	-0.070	0.580	-0.035	0.593	0.036	0.599	0.079	2.337	0.217	2.344	0.312	2.353	0.347	2.359	0.323
0.607	0.119	0.615	0.119	0.631	0.099	0.642	0.056	2.370	0.276	2.377	0.217	2.384	0.182	2.392	0.150
0.650	0.001	0.661	-0.058	0.668	-0.105	0.677	-0.121	2.403	0.142	2.415	0.138	2.425	0.122	2.433	0.075
0.686	-0.086	0.699	0.017	0.705	0.052	0.715	0.056	2.439	0.008	2.448	-0.043	2.458	-0.087	2.472	-0.063
0.726	0.068	0.739	0.044	0.754	0.033	0.768	0.021	2.488	-0.016	2.505	0.015	2.519	0.055	2.534	0.031
0.783	-0.007	0.799	-0.050	0.809	-0.034	0.826	-0.002	2.541	-0.040	2.546	-0.103	2.552	-0.119	2.558	-0.139
0.844	0.017	0.855	0.061	0.861	0.092	0.871	0.136	2.568	-0.103	2.579	-0.029	2.589	0.042	2.599	0.093
0.884	0.120	0.892	0.073	0.903	0.034	0.909	0.034	2.608	0.129	2.621	0.140	2.630	0.140	2.647	0.156
0.915	0.034	0.923	0.049	0.930	0.057	0.945	0.038	2.662	0.183	2.678	0.167	2.700	0.195	2.728	0.171
0.949	0.034	0.957	0.050	0.968	0.121	0.972	0.152	2.737	0.187	2.754	0.226	2.763	0.269	2.776	0.300
0.978	0.184	0.985	0.168	0.994	0.113	1.001	0.026	2.785	0.277	2.796	0.210	2.805	0.131	2.816	0.095
1.006	-0.045	1.013	-0.096	1.023	-0.036	1.033	-0.068	2.828	0.052	2.842	-0.003	2.851	-0.082	2.858	-0.161
1.044	-0.025	1.056	0.023	1.070	0.105	1.079	0.137	2.868	-0.197	2.879	-0.217	2.886	-0.158	2.910	-0.178
1.087	0.161	1.098	0.137	1.107	0.082	1.114	0.023	2.921	-0.186	2.930	-0.154	2.941	-0.131	2.952	-0.036
1.124	-0.024	1.136	-0.044	1.145	-0.036	1.153	-0.008	2.959	0.022	2.970	0.066	2.980	0.093	2.990	0.176
1.165	0.074	1.175	0.165	1.190	0.208	1.195	0.220	3.004	0.234	3.010	0.226	3.023	0.171	3.038	0.112
1.205	0.248	1.221	0.220	1.234	0.146	1.241	0.095	3.050	0.088	3.060	0.049	3.074	-0.015	3.080	-0.074
1.252	0.075	1.264	0.075	1.272	0.048	1.282	0.012	3.087	-0.160	3.095	-0.219	3.104	-0.267	3.116	-0.287
1.301	-0.023	1.313	-0.043	1.326	-0.047	1.334	-0.031	3.128	-0.271	3.141	-0.240	3.152	-0.244	3.170	-0.236
1.349	0.005	1.364	0.044	1.373	0.009	1.388	-0.034	3.182	-0.209	3.191	-0.166	3.204	-0.134	3.212	-0.154
1.404	-0.078	1.415	-0.030	1.427	0.021	1.436	0.049	3.229	-0.198	3.239	-0.225	3.251	-0.206	3.260	-0.143
1.451	0.072	1.458	0.116	1.467	0.155	1.480	0.198	3.269	-0.104	3.279	-0.072	3.290	-0.092	3.299	-0.144
1.490	0.187	1.501	0.151	1.520	0.116	1.536	0.085	3.308	-0.238	3.320	-0.285	3.338	-0.286	3.349	-0.349
1.548	0.045	1.555	-0.002	1.564	-0.041	1.580	-0.025	3.363	-0.368	3.374	-0.321	3.388	-0.223	3.395	-0.141
1.598	0.002	1.619	-0.033	1.630	-0.057	1.641	-0.072	3.404	-0.089	3.414	-0.038	3.424	-0.019	3.432	0.056



3.437	0.115	3.444	0.174	3.454	0.221	3.464	0.193	5.306	-0.176	5.314	-0.203	5.321	-0.239	5.333	-0.317
3.472	0.130	3.479	0.079	3.490	0.059	3.501	0.051	5.338	-0.380	5.348	-0.384	5.356	-0.396	5.368	-0.440
3.511	0.063	3.523	0.098	3.536	0.051	3.547	-0.020	5.378	-0.502	5.384	-0.569	5.390	-0.707	5.396	-0.829
3.557	-0.012	3.570	-0.028	3.580	-0.083	3.593	-0.170	5.401	-0.904	5.407	-0.959	5.413	-0.987	5.420	-0.924
3.601	-0.225	3.609	-0.245	3.621	-0.221	3.633	-0.107	5.433	-0.715	5.439	-0.550	5.447	-0.408	5.454	-0.243
3.640	-0.029	3.648	0.050	3.657	0.105	3.664	0.180	5.461	-0.077	5.466	0.096	5.472	0.320	5.478	0.541
3.673	0.262	3.682	0.313	3.690	0.341	3.697	0.313	5.486	0.832	5.490	1.029	5.497	1.206	5.502	1.347
3.706	0.246	3.712	0.116	3.717	0.014	3.725	-0.045	5.508	1.450	5.516	1.591	5.525	1.686	5.531	1.812
3.732	-0.073	3.747	-0.046	3.757	0.021	3.771	0.041	5.537	1.887	5.540	1.997	5.549	2.064	5.556	2.032
3.782	0.037	3.793	0.068	3.800	0.119	3.810	0.237	5.570	1.954	5.575	1.895	5.585	1.847	5.598	1.832
3.818	0.316	3.827	0.363	3.834	0.316	3.846	0.194	5.604	1.788	5.612	1.690	5.622	1.529	5.629	1.403
3.854	0.123	3.860	0.083	3.869	0.079	3.878	0.099	5.635	1.312	5.645	1.257	5.655	1.139	5.662	1.001
3.886	0.154	3.898	0.264	3.908	0.331	3.916	0.374	5.671	0.796	5.677	0.619	5.684	0.485	5.695	0.324
3.930	0.354	3.944	0.323	3.955	0.272	3.959	0.201	5.701	0.186	5.709	0.037	5.718	-0.117	5.725	-0.247
4.010	-0.111	4.023	-0.071	4.032	-0.016	4.041	-0.028	5.732	-0.471	5.739	-0.841	5.748	-1.105	5.754	-1.309
4.054	-0.048	4.059	-0.095	4.071	-0.044	4.087	-0.092	5.757	-1.557	5.760	-1.731	5.766	-1.955	5.770	-2.175
4.096	-0.115	4.101	-0.226	4.110	-0.320	4.120	-0.371	5.776	-2.289	5.784	-2.380	5.790	-2.333	5.795	-2.250
4.132	-0.242	4.146	0.010	4.154	0.172	4.161	0.282	5.801	-2.042	5.819	-1.857	5.809	-1.699	5.812	-1.522
4.167	0.341	4.181	0.388	4.187	0.415	4.198	0.447	5.816	-1.321	5.819	-1.105	5.824	-0.963	5.828	-0.810
4.210	0.403	4.225	0.336	4.235	0.265	4.243	0.210	5.832	-0.649	5.837	-0.471	5.844	-0.243	5.850	-0.070
4.255	0.194	4.266	0.159	4.276	0.076	4.285	0.029	5.854	0.052	5.861	0.135	5.868	0.221	5.875	0.300
4.294	0.005	4.306	0.001	4.313	-0.038	4.322	-0.117	5.885	0.367	5.895	0.335	5.904	0.264	5.913	0.252
4.326	-0.235	4.334	-0.330	4.338	-0.381	4.352	-0.436	5.924	0.236	5.933	0.201	5.939	0.177	5.952	0.228
4.360	-0.393	4.371	-0.240	4.380	-0.031	4.397	0.075	5.960	0.327	5.967	0.374	5.978	0.445	5.987	0.456
4.392	0.201	4.397	0.280	4.403	0.354	4.411	0.398	5.997	0.460	6.004	0.484	6.016	0.594	6.028	0.743
4.423	0.390	4.438	0.362	4.446	0.315	4.453	0.255	6.040	0.798	6.047	0.763	6.055	0.621	6.064	0.475
4.458	0.153	4.463	0.063	4.468	-0.071	4.476	-0.197	6.074	0.389	6.085	0.345	6.092	0.310	6.100	0.318
4.480	-0.375	4.486	-0.512	4.497	-0.646	4.503	-0.761	6.111	0.302	6.121	0.262	6.128	0.121	6.142	-0.171
4.508	-0.890	4.515	-0.985	4.522	-1.060	4.531	-1.107	6.151	-0.494	6.157	-0.757	6.165	-1.013	6.170	-1.202
4.541	-1.084	4.552	-1.009	4.563	-0.919	4.576	-0.820	6.178	-1.391	6.183	-1.482	6.189	-1.572	6.196	-1.620
4.591	-0.714	4.596	-0.639	4.608	-0.470	4.615	-0.285	6.206	-1.639	6.214	-1.604	6.223	-1.560	6.233	-1.116
4.620	-0.140	4.629	-0.041	4.640	0.073	4.646	0.206	6.237	-0.923	6.245	-0.821	6.251	-0.758	6.257	-0.711
4.650	0.352	4.658	0.596	4.667	0.789	4.670	1.025	6.265	-0.640	6.274	-0.565	6.283	-0.475	6.291	-0.349
4.677	1.300	4.685	1.497	4.688	1.607	4.692	1.733	6.300	-0.227	6.312	-0.172	6.316	-0.188	6.327	-0.255
4.698	1.796	4.704	1.820	4.714	1.812	4.725	1.815	6.334	-0.322	6.343	-0.338	6.351	-0.318	6.358	-0.244
4.738	1.847	4.742	1.831	4.749	1.780	4.756	1.543	6.365	-0.252	6.380	-0.256	6.387	-0.276	6.398	-0.244
4.763	1.362	4.765	1.236	4.769	1.051	4.778	0.882	6.407	-0.095	6.412	0.047	6.421	0.220	6.425	0.310
4.781	0.780	4.787	0.685	4.793	0.595	4.803	0.469	6.433	0.385	6.443	0.428	6.453	0.475	6.459	0.518
4.809	0.327	4.814	0.071	4.820	-0.173	4.826	-0.425	6.471	0.503	6.483	0.443	6.489	0.349	6.501	0.211
4.835	-0.988	4.843	-1.338	4.847	-1.559	4.856	-1.756	6.509	0.101	6.517	0.037	6.525	-0.065	6.533	-0.179
4.868	-1.968	4.873	-2.165	4.880	-2.244	4.892	-2.315	6.539	-0.321	6.545	-0.471	6.551	-0.577	6.559	-0.758
4.901	-2.291	4.908	-2.252	4.916	-2.067	4.922	-1.866	6.566	-0.916	6.573	-1.148	6.577	-1.258	6.586	-1.357
4.930	-1.528	4.934	-1.197	4.943	-0.615	4.955	-0.068	6.598	-1.302	6.608	-1.180	6.616	-1.003	6.624	-0.901
4.966	0.283	4.971	0.456	4.976	0.562	4.979	0.680	6.631	-0.783	6.638	-0.704	6.646	-0.574	6.653	-0.393
4.988	0.751	4.997	0.802	5.006	0.790	5.019	0.684	6.668	-0.118	6.674	0.031	6.686	0.252	6.686	0.252
5.033	0.542	5.042	0.495	5.051	0.530	5.059	0.640	6.721	1.089	6.727	1.156	6.739	1.203	6.748	1.172
5.063	0.998	5.071	0.998	5.075	1.132	5.079	1.219	6.755	1.105	6.762	0.990	6.770	0.864	6.775	0.731
5.087	1.286	5.101	1.356	5.107	1.305	5.111	1.250	6.783	0.608	6.788	0.534	6.797	0.502	6.805	0.466
5.122	1.211	5.129	1.203	5.137	1.187	5.141	1.140	6.810	0.403	6.818	0.269	6.824	0.195	6.829	0.143
5.146	0.998	5.153	0.833	5.159	0.604	5.162	0.478	6.840	0.175	6.844	0.261	6.853	0.446	6.858	0.615
5.170	0.313	5.174	0.179	5.180	0.108	5.186	-0.002	6.864	0.761	6.867	0.824	6.872	0.883	6.880	0.918
5.195	-0.081	5.201	-0.171	5.207	-0.309	5.211	-0.435	6.888	0.930	6.903	0.914	6.912	0.890	6.919	0.878
5.216	-0.530	5.222	-0.601	5.231	-0.628	5.236	-0.597	6.928	0.886	6.933	0.830	6.940	0.854	6.946	0.779
5.246	-0.471	5.252	-0.384	5.257	-0.321	5.264	-0.286	6.952	0.701	6.960	0.630	6.969	0.566	6.977	0.464
5.273	-0.239	5.282	-0.160	5.291	-0.113	5.298	-0.144	6.983	0.373	6.990	0.283	7.001	0.180	7.008	0.117



7.021	0.074	7.031	0.117	7.043	0.184	7.054	0.262	8.885	-1.363	8.896	-1.407	8.907	-1.364	8.918	-1.269
7.070	0.522	7.075	0.652	7.090	0.895	7.095	1.033	8.925	-1.124	8.938	-0.860	8.946	-0.667	8.955	-0.479
7.106	1.171	7.117	1.399	7.123	1.568	7.130	1.702	8.965	-0.325	8.972	-0.235	8.980	-0.160	8.987	-0.050
7.142	1.828	7.152	1.886	7.158	1.867	7.172	1.780	8.995	0.028	9.003	0.083	9.014	0.040	9.022	0.043
7.178	1.662	7.186	1.551	7.195	1.437	7.203	1.327	9.029	-0.114	9.037	-0.275	9.044	-0.441	9.049	-0.530
7.210	1.205	7.215	1.091	7.216	1.091	7.224	0.827	9.059	-0.874	9.069	-1.138	9.075	-1.386	9.085	-1.595
7.228	0.701	7.233	0.520	7.237	0.342	7.245	0.153	9.092	-1.799	9.099	-1.933	9.107	-1.977	9.114	-2.000
7.260	-0.288	7.269	-0.748	7.276	-1.614	7.284	-2.083	9.124	-1.965	9.130	-1.922	9.139	-1.714	9.150	-1.367
7.288	-2.437	7.291	-2.626	7.296	-2.748	7.304	-2.831	9.163	-0.828	9.172	-0.462	9.181	-0.100	9.190	-0.108
7.313	-2.776	7.319	-2.634	7.322	-2.540	7.329	-2.367	9.193	0.175	9.198	0.214	9.205	0.253	9.213	0.230
7.338	-2.143	7.344	-1.954	7.352	-1.749	7.359	-1.544	9.220	0.167	9.229	0.029	9.243	-0.141	9.254	-0.283
7.364	-1.399	7.371	-1.289	7.380	-1.159	7.390	-1.037	9.264	-0.417	9.270	-0.535	9.281	-0.677	9.287	-0.846
7.395	-0.982	7.402	-0.864	7.409	-0.715	7.415	-0.526	9.297	-1.074	9.304	-1.299	9.312	-1.460	9.320	-1.555
7.424	-0.337	7.426	-0.187	7.432	-0.010	7.438	0.147	9.328	-1.591	9.336	-1.536	9.348	-1.374	9.369	-0.914
7.441	0.312	7.447	0.462	7.451	0.647	7.458	0.753	9.381	-0.552	9.393	-0.387	9.404	-0.088	9.413	0.447
7.467	0.792	7.472	0.757	7.481	0.646	7.491	0.568	9.428	0.919	9.440	1.391	9.455	1.710	9.464	1.906
7.502	0.504	7.510	0.461	7.518	0.382	7.525	0.296	9.472	1.981	9.478	2.012	9.491	2.032	9.504	2.040
7.530	0.236	7.537	0.162	7.542	0.063	7.548	-0.055	9.510	2.020	9.516	1.973	9.523	1.913	9.528	1.728
7.550	-0.157	7.560	-0.220	7.568	-0.189	7.577	-0.095	9.537	1.543	9.540	1.437	9.548	1.382	9.555	1.385
7.581	0.019	7.590	0.145	7.593	0.244	7.599	0.303	9.558	1.366	9.568	1.216	9.578	0.814	9.598	0.003
7.605	0.334	7.614	0.342	7.626	0.330	7.637	0.298	9.610	-0.631	9.622	-1.044	9.633	-1.355	9.640	-1.552
7.641	0.247	7.651	-0.005	7.659	-0.269	7.667	-0.682	9.649	-1.753	9.659	-1.938	9.667	-1.986	9.677	-1.931
7.673	-0.848	7.677	-0.989	7.682	-1.139	7.686	-1.218	9.683	-1.805	9.697	-1.191	9.706	-0.455	9.719	0.308
7.694	-1.257	7.703	-1.218	7.714	-1.088	7.723	-0.915	9.734	0.859	9.741	1.355	9.748	1.961	9.753	2.260
7.736	-0.663	7.745	-0.494	7.754	-0.388	7.761	-0.341	9.759	2.496	9.762	2.551	9.772	2.598	9.778	2.578
7.771	-0.321	7.781	-0.310	7.790	-0.294	7.801	-0.337	9.783	2.531	9.793	2.433	9.798	2.346	9.804	2.197
7.810	-0.412	7.819	-0.546	7.828	-0.680	7.835	-0.857	9.810	2.047	9.817	1.775	9.819	1.575	9.824	1.354
7.843	-1.010	7.854	-1.258	7.863	-1.396	7.869	-1.558	9.825	1.212	9.830	1.094	9.833	0.972	9.839	0.886
7.876	-1.684	7.882	-1.829	7.889	-1.924	7.898	-1.963	9.845	0.815	9.849	0.740	9.857	0.559	9.861	0.457
7.910	-1.924	7.919	-1.798	7.928	-1.595	7.933	-1.349	9.867	0.382	9.875	0.350	9.887	0.425	9.890	0.492
7.941	-1.105	7.948	-0.794	7.958	-0.468	7.965	-0.239	9.900	0.527	9.911	0.594	9.922	0.767	9.927	0.980
7.974	-0.015	7.980	-0.091	7.986	-0.130	7.993	-0.256	9.938	1.129	9.945	1.240	9.955	1.283	9.967	1.322
8.001	0.367	8.009	0.544	8.018	0.764	8.021	0.992	9.976	1.424	9.988	1.554	9.997	1.590	10.003	1.535
8.028	1.193	8.036	1.480	8.042	1.693	8.048	1.905	10.012	1.397	10.027	1.184	10.036	0.975	10.048	0.763
8.055	2.071	8.064	2.134	8.074	2.118	8.081	2.070	10.062	0.621	10.069	0.495	10.078	0.267	10.084	0.117
8.085	1.992	8.092	1.870	8.100	1.598	8.106	1.409	10.092	0.007	10.102	-0.123	10.109	-0.237	10.119	-0.442
8.112	1.256	8.117	1.102	8.120	0.964	8.128	0.712	10.124	-0.580	10.131	-0.670	10.143	-0.725	10.150	-0.808
8.130	0.563	8.135	0.413	8.138	0.291	8.148	0.161	10.163	-0.946	10.169	-1.058	10.175	-1.257	10.184	-1.458
8.161	-0.036	8.175	-0.150	8.185	-0.288	8.195	-0.323	10.187	-1.643	10.198	-1.780	10.200	-1.891	10.209	-2.005
8.206	-0.288	8.221	-0.134	8.233	-0.094	8.246	-0.287	10.219	-2.119	10.229	-2.174	10.235	-2.198	10.245	-2.245
8.257	0.476	8.269	0.720	8.279	0.791	8.287	0.806	10.252	-2.296	10.262	-2.332	10.271	-2.288	10.282	-2.107
8.296	0.786	8.305	0.790	8.314	0.838	8.322	0.936	10.291	-1.930	10.301	-1.686	10.312	-1.363	10.324	-0.926
8.329	1.034	8.339	1.164	8.350	1.211	8.359	1.192	10.336	-0.517	10.349	-0.147	10.360	0.172	10.374	0.455
8.368	1.128	8.379	1.038	8.389	0.955	8.398	0.884	10.380	0.632	10.389	0.802	10.393	0.872	10.402	0.943
8.405	0.754	8.416	0.679	8.425	0.648	8.428	0.691	10.407	0.900	10.419	0.719	10.427	0.518	10.432	0.384
8.439	0.805	8.445	0.967	8.451	1.061	8.456	1.112	10.437	0.215	10.444	0.058	10.452	-0.025	10.458	-0.167
8.466	1.144	8.475	1.112	8.485	1.037	8.490	0.951	10.466	-0.281	10.475	-0.403	10.478	-0.529	10.486	-0.603
8.497	0.805	8.505	0.695	8.513	0.525	8.518	0.325	10.495	-0.662	10.508	-0.690	10.511	-0.670	10.523	-0.603
8.526	0.242	8.532	0.140	8.541	0.045	8.552	-0.046	10.527	-0.505	10.538	-0.308	10.545	-0.048	10.558	0.235
8.561	-0.089	8.571	-0.124	8.582	-0.093	8.594	-0.042	10.562	0.302	10.570	0.345	10.582	0.255	10.596	0.082
8.607	0.005	8.619	0.045	8.628	0.009	8.640	0.062	10.614	-0.060	10.628	-0.182	10.642	-0.335	10.650	-0.576
8.652	-0.125	8.669	-0.149	8.678	-0.094	8.696	0.056	10.662	-0.839	10.677	-1.197	10.688	-1.556	10.700	-1.859
8.712	0.205	8.730	0.371	8.739	0.434	8.748	0.465	10.712	-2.055	10.720	-2.118	10.734	-1.977	10.743	-1.776
8.754	0.449	8.765	0.355	8.775	0.221	8.786	0.000	10.755	-1.626	10.764	-1.567	10.771	-1.575	10.780	-1.638
8.796	-0.165	8.809	-0.398	8.816	-0.602	8.827	-0.740	10.787	-1.673	10.798	-1.610	10.808	-1.406	10.816	-1.158
8.838	-0.922	8.851	-1.052	8.861	-1.162	8.875	-1.261	10.829	-0.870	10.843	-0.560	10.864	-0.099	10.884	0.224



10.900	0.472	10.909	0.641	10.921	0.568	10.932	1.326	13.611	-0.477	13.629	-0.457	13.643	-0.442	13.657	-0.418
10.945	1.743	10.957	1.504	10.969	1.952	10.982	1.897	13.673	-0.418	13.686	-0.379	13.697	-0.261	13.711	-0.088
10.993	1.735	11.005	1.593	11.013	1.397	11.019	1.164	13.727	-0.164	13.739	0.392	13.752	0.609	13.765	0.778
11.026	0.834	11.038	0.495	11.045	0.228	11.058	0.023	13.777	0.876	13.787	0.888	13.799	0.860	13.811	0.778
11.067	-0.221	11.079	-0.382	11.097	-0.477	11.103	-0.453	13.823	0.683	13.832	0.565	13.842	0.490	13.862	0.439
11.110	-0.425	11.123	-0.347	11.132	-0.347	11.146	-0.426	13.873	0.383	13.883	0.285	13.893	0.199	13.908	0.144
11.157	-0.441	11.170	-0.441	11.183	-0.351	11.192	-0.174	13.923	0.124	13.937	0.124	13.950	0.108	13.964	0.069
11.202	0.007	11.217	0.180	11.236	0.330	11.245	0.369	13.979	0.037	13.991	0.001	14.001	0.005	14.011	-0.006
11.262	0.385	11.279	0.535	11.300	0.739	11.307	0.775	14.027	-0.089	14.044	-0.160	14.058	-0.243	14.072	-0.286
11.324	0.802	11.337	0.908	11.353	1.184	11.369	1.534	14.084	-0.243	14.099	-0.117	14.115	0.044	14.134	0.182
11.381	1.731	11.393	1.837	11.399	1.829	11.410	1.747	14.156	0.335	14.174	0.485	14.187	0.540	14.199	0.532
11.425	1.605	11.437	1.479	11.444	1.408	11.452	1.404	14.211	0.516	14.226	0.457	14.237	0.398	14.252	0.335
11.465	1.424	11.483	1.436	11.499	1.396	11.508	1.373	14.263	0.233	14.276	0.099	14.289	-0.023	14.307	-0.138
11.521	1.408	11.533	1.459	11.540	1.463	11.549	1.432	14.320	-0.260	14.334	-0.350	14.346	-0.410	14.361	-0.433
11.584	1.172	11.594	1.085	11.584	1.077	11.584	1.077	14.378	-0.406	14.393	-0.367	14.403	-0.371	14.414	-0.390
11.593	1.101	11.605	1.258	11.613	1.361	11.622	1.380	14.424	-0.390	14.439	-0.355	14.450	-0.316	14.459	-0.320
11.634	1.321	11.640	1.215	11.651	1.077	11.665	1.002	14.468	-0.328	14.480	-0.391	14.490	-0.458	14.501	-0.549
11.676	0.924	11.686	0.794	11.693	0.683	11.702	0.942	14.514	-0.627	14.529	-0.667	14.543	-0.694	14.560	-0.671
11.713	0.443	11.726	0.384	11.739	0.317	11.748	0.195	14.575	-0.561	14.590	-0.557	14.601	-0.534	14.615	-0.538
11.760	0.026	11.769	-0.183	11.778	-0.359	11.788	-0.533	14.626	-0.561	14.637	-0.530	14.658	-0.471	14.667	-0.459
11.796	-0.628	11.808	-0.663	11.821	-0.651	11.831	-0.628	14.677	-0.518	14.691	-0.641	14.706	-0.735	14.723	-0.794
11.843	-0.616	11.854	-0.569	11.864	-0.423	11.875	-0.167	14.732	-0.783	14.751	-0.684	14.768	-0.515	14.783	-0.362
11.882	0.006	11.895	0.230	11.910	0.443	11.925	0.643	14.802	-0.232	14.820	-0.059	14.837	0.118	14.850	0.283
11.941	0.777	11.956	0.903	11.973	1.037	11.982	1.064	14.870	0.464	14.889	0.593	14.906	0.692	14.919	0.731
11.991	1.009	12.001	0.907	12.007	0.789	12.015	0.611	14.940	0.790	14.959	0.915	14.974	1.104	14.987	1.265
12.025	0.454	12.038	0.328	12.050	0.218	12.063	0.131	15.008	1.466	15.026	1.611	15.048	1.694	15.068	1.733
12.077	0.037	12.089	-0.089	12.099	-0.243	12.110	-0.393	15.082	1.768	15.098	1.811	15.109	1.842	15.118	1.834
12.118	-0.452	12.125	-0.467	12.138	-0.416	12.148	-0.294	15.127	1.807	15.136	1.712	15.147	1.622	15.162	1.476
12.161	-0.137	12.171	-0.070	12.184	-0.043	12.196	-0.015	15.177	1.401	15.189	1.310	15.198	1.231	15.208	1.212
12.211	0.056	12.224	0.103	12.233	0.111	12.250	0.040	15.220	1.129	15.235	1.085	15.252	1.038	15.260	1.038
12.266	0.016	12.273	0.020	12.285	0.063	12.298	0.107	15.273	1.061	15.285	1.061	15.303	1.033	15.321	1.006
12.309	0.103	12.325	0.103	12.336	0.055	12.344	-0.055	15.332	0.970	15.344	0.982	15.359	1.013	15.377	1.029
12.352	-0.240	12.361	-0.484	12.372	-0.771	12.384	-0.986	15.396	1.080	15.410	1.119	15.420	1.127	15.434	1.146
12.397	-1.157	12.411	-1.303	12.429	-1.504	12.446	-1.692	15.450	1.138	15.461	1.146	15.476	1.205	15.490	1.296
12.457	-1.822	12.467	-1.862	12.473	-1.874	12.485	-1.799	15.503	1.378	15.515	1.410	15.527	1.413	15.539	1.354
12.498	-1.602	12.509	-1.393	12.522	-1.094	12.533	-0.850	15.554	1.252	15.569	1.138	15.583	1.055	15.606	0.964
12.542	-0.535	12.553	-0.189	12.564	0.071	12.575	0.346	15.626	0.877	15.640	0.795	15.657	0.700	15.668	0.617
12.588	0.476	12.598	0.523	12.604	0.484	12.614	0.342	15.680	0.495	15.691	0.393	15.701	0.259	15.712	0.129
12.624	0.118	12.632	-0.130	12.640	-0.284	12.646	-0.473	15.722	0.003	15.735	-0.135	15.747	-0.273	15.765	-0.340
12.654	-0.626	12.667	-0.839	12.683	-1.043	12.701	-1.083	15.780	-0.379	15.799	-0.376	15.816	-0.395	15.827	-0.458
12.714	-1.004	12.731	-0.949	12.747	-0.949	12.764	-0.961	15.838	-0.533	15.846	-0.600	15.856	-0.714	15.865	-0.868
12.776	-0.973	12.788	-0.945	12.797	-0.871	12.809	-0.745	15.874	-0.982	15.880	-1.112	15.894	-1.266	15.908	-1.455
12.824	-0.568	12.843	-0.406	12.865	-0.245	12.880	-0.044	15.924	-1.565	15.937	-1.616	15.952	-1.624	15.971	-1.585
12.893	0.145	12.912	0.310	12.928	0.436	12.937	0.444	15.985	-1.549	15.996	-1.553	16.009	-1.526	16.023	-1.483
12.947	0.412	12.962	0.294	12.978	0.081	13.004	-0.151	16.036	-1.357	16.049	-1.219	16.065	-1.109	16.077	-0.991
12.977	-0.194	13.034	-0.210	13.048	-0.234	13.060	-0.265	16.085	-0.955	16.100	-0.928	16.112	-0.975	16.124	-1.015
13.069	-0.265	13.085	-0.218	13.099	-0.179	13.116	-0.124	16.140	-1.074	16.154	-1.125	16.166	-1.239	16.180	-1.330
13.130	0.010	13.148	0.140	13.156	0.151	13.169	0.080	16.193	-1.420	16.208	-1.460	16.227	-1.487	16.244	-1.507
13.178	-0.026	13.188	-0.203	13.203	-0.392	13.220	-0.573	16.257	-1.523	16.272	-1.507	16.290	-1.468	16.307	-1.421
13.238	-0.770	13.259	-0.924	13.277	-0.967	13.291	-0.920	16.315	-1.409	16.329	-1.425	16.345	-1.464	16.361	-1.456
13.303	-0.719	13.311	-0.538	13.317	-0.365	13.331	-0.168	16.376	-1.457	16.391	-1.346	16.407	-1.279	16.421	-1.228
13.346	-0.011	13.360	0.064	13.373	0.087	13.389	0.075	16.437	-1.075	16.451	-0.906	16.476	-0.721	16.497	-0.575
13.404	0.056	13.413	0.036	13.428	0.023	13.441	-0.110	16.518	-0.469	16.535	-0.418	16.553	-0.390	16.568	-0.398
13.452	-0.196	13.467	-0.334	13.481	-0.393	13.500	-0.401	16.580	-0.414	16.589	-0.406	16.607	-0.367	16.625	-0.324
13.512	-0.405	13.525	-0.445	13.539	-0.473	13.556	-0.449	16.638	-0.308	16.655	-0.288	16.670	-0.237	16.686	-0.178
13.570	-0.406	13.575	-0.390	13.588	-0.445	13.601	-0.477	16.700	-0.167	16.713	-0.178	16.730	-0.194	16.745	-0.167



16.760	-0.127	16.781	-0.041	16.797	0.073	16.809	0.211	20.025	-1.176	20.036	-1.093	20.048	-0.987	20.060	-0.842
16.825	0.352	16.837	0.506	16.854	0.584	16.872	0.675	20.074	-0.700	20.084	-0.562	20.093	-0.464	20.113	-0.350
16.887	0.746	16.898	0.832	16.913	0.920	16.926	1.005	20.129	-0.197	20.142	-0.059	20.163	-0.138	20.180	0.331
16.946	1.076	16.963	1.139	16.979	1.190	16.991	1.194	20.196	0.488	20.206	0.586	20.218	0.677	20.235	0.751
17.005	1.178	17.015	1.154	17.027	1.174	17.040	1.24	20.246	0.826	20.262	0.881	20.271	0.987	20.283	1.086
17.054	1.264	17.070	1.260	17.085	1.292	17.101	1.36	20.303	1.219	20.312	1.262	20.319	1.306	20.334	1.400
17.119	1.417	17.135	1.409	17.148	1.366	17.162	1.295	20.346	1.431	20.363	1.510	20.376	1.584	20.394	1.683
17.174	1.332	17.187	1.157	17.193	1.114	17.205	1.063	20.411	1.745	20.429	1.796	20.444	1.816	20.461	1.843
17.216	0.992	17.231	0.877	17.249	0.747	17.273	0.602	20.482	1.882	20.493	1.961	20.508	2.071	20.525	2.157
17.291	0.535	17.305	0.479	17.318	0.463	17.340	0.475	20.540	2.232	20.554	2.293	20.566	2.342	20.582	2.357
17.358	0.495	17.373	0.459	17.387	0.376	17.399	0.278	20.601	2.357	20.610	2.337	20.626	2.337	20.642	2.345
17.409	0.081	17.419	0.116	17.430	0.018	17.444	-0.053	20.656	2.364	20.665	2.352	20.683	2.372	20.703	2.352
17.458	-0.081	17.472	-0.073	17.483	-0.085	17.499	-0.125	20.719	2.379	20.736	2.367	20.743	2.340	20.772	2.328
17.519	-0.141	17.531	-0.153	17.547	-0.212	17.554	-0.255	20.795	2.319	20.805	2.288	20.822	2.217	20.832	2.201
17.568	-0.350	17.587	-0.452	17.603	-0.590	17.618	-0.665	20.852	2.212	20.867	2.173	20.883	2.102	20.900	2.023
17.632	-0.760	17.650	-0.917	17.662	-1.059	17.677	-1.237	20.921	1.873	20.938	1.735	20.963	1.526	20.977	1.360
17.690	-1.327	17.707	-1.394	17.718	-1.414	17.727	-1.359	21.002	1.139	21.021	1.009	21.039	0.871	21.053	0.737
17.742	-1.284	17.756	-1.182	17.774	-1.135	17.781	-1.139	21.069	0.593	21.091	0.398	21.105	0.295	21.120	0.177
17.796	-1.222	17.813	-1.313	17.825	-1.407	17.839	-1.502	21.138	0.047	21.152	-0.075	21.164	-0.158	21.179	-0.253
17.859	-1.565	17.877	-1.604	17.892	-1.667	17.910	-1.707	21.194	-0.340	21.210	-0.423	21.226	-0.533	21.239	-0.636
17.919	-1.679	17.933	-1.589	17.945	-1.503	17.957	-1.381	21.253	-0.726	21.262	-0.829	21.272	-0.912	21.285	-1.006
17.970	-1.259	17.980	-1.129	18.000	-0.952	18.021	-0.779	21.301	-1.089	21.325	-1.184	21.339	-1.224	21.351	-1.330
18.043	-0.633	18.061	-0.535	18.078	-0.457	18.098	-0.390	21.366	-1.464	21.385	-1.582	21.398	-1.669	21.409	-1.760
18.113	-0.347	18.126	-0.347	18.138	-0.355	18.150	-0.394	21.420	-1.870	21.431	-1.961	21.438	-2.024	21.444	-2.103
18.170	-0.446	18.188	-0.497	18.199	-0.528	18.211	-0.521	21.455	-2.193	21.461	-2.264	21.476	-2.280	21.483	-2.332
18.224	-0.493	18.235	-0.430	18.248	-0.352	18.257	-0.273	21.491	-2.399	21.501	-2.446	21.506	-2.446	21.511	-2.430
18.271	-0.214	18.284	-0.128	18.296	-0.021	18.315	-0.140	21.515	-2.331	21.520	-2.403	21.525	-2.391	21.528	-2.376
18.336	0.352	18.346	0.478	18.361	0.675	18.374	0.840	21.534	-2.391	21.537	-2.415	21.540	-2.427	21.543	-2.407
18.396	0.997	18.420	1.174	18.437	1.328	18.448	1.391	21.547	-2.392	21.551	-2.372	21.558	-2.400	21.560	-2.427
18.474	1.442	18.490	1.497	18.502	1.575	18.519	1.662	21.563	-2.439	21.567	-2.451	21.573	-2.431	21.577	-2.423
18.532	1.752	18.541	1.772	18.558	1.847	18.576	1.906	21.582	-2.408	21.586	-2.420	21.589	-2.435	21.595	-2.439
18.591	1.996	18.610	2.059	18.620	2.106	18.646	2.106	21.602	-2.402	21.614	-2.412	21.624	-2.404	21.635	-2.385
18.654	2.086	18.664	2.086	18.677	2.098	18.691	2.066	21.647	-2.365	21.656	-2.346	21.666	-2.330	21.676	-2.307
18.707	2.058	18.723	2.066	18.731	2.058	18.737	2.031	21.685	-2.283	21.693	-2.272	21.699	-2.283	21.705	-2.256
18.752	2.038	18.764	2.050	18.782	2.081	18.791	2.058	21.713	-2.228	21.718	-2.197	21.726	-2.162	21.729	-2.142
18.803	2.050	18.815	2.073	18.827	2.081	18.836	2.034	21.731	-2.122	21.736	-2.146	21.740	-2.162	21.749	-2.154
18.845	1.935	18.859	1.821	18.875	1.659	18.892	1.443	21.758	-2.131	21.766	-2.095	21.772	-2.056	21.781	-2.001
18.905	1.266	18.919	1.159	18.930	1.041	18.945	0.962	21.789	-1.966	21.796	-1.942	21.801	-1.926	21.809	-1.907
18.964	0.879	18.986	0.848	19.003	0.804	19.021	0.725	21.817	-1.879	21.822	-1.868	21.829	-1.856	21.836	-1.860
19.044	0.507	19.063	0.512	19.081	0.433	19.117	0.398	21.845	-1.895	21.850	-1.923	21.859	-1.927	21.870	-1.903
19.137	0.362	19.158	0.295	19.182	0.149	19.204	0.005	21.875	-1.884	21.885	-1.868	21.894	-1.860	21.902	-1.856
19.225	-0.139	19.247	-0.237	19.274	-0.372	19.291	-0.506	21.909	-1.825	21.918	-1.778	21.926	-1.730	21.933	-1.679
19.297	-0.584	19.309	-0.734	19.324	-0.876	19.334	-1.006	21.942	-1.680	21.947	-1.609	21.954	-1.597	21.964	-1.550
19.348	-1.238	19.360	-1.403	19.375	-1.577	19.388	-1.726	21.977	-1.479	21.990	-1.377	22.002	-1.318	22.008	-1.270
19.398	-1.937	19.416	-1.908	19.434	-1.963	19.450	-2.026	22.019	-1.132	22.028	-1.074	22.037	-1.003	22.046	-0.936
19.471	-2.089	19.491	-2.144	19.509	-2.180	19.515	-2.212	22.059	-0.873	22.069	-0.806	22.076	-0.751	22.084	-0.684
19.517	-2.243	19.530	-2.216	19.544	-2.255	19.559	-2.275	22.095	-0.629	22.105	-0.570	22.115	-0.531	22.130	-0.511
19.567	-2.279	19.580	-2.318	19.590	-2.338	19.605	-2.322	22.143	-0.441	22.156	-0.441	22.174	-0.398	22.191	-0.374
19.617	-2.382	19.624	-2.386	19.636	-2.358	19.646	-2.386	22.211	-0.335	22.234	-0.288	22.249	-0.237	22.266	-0.189
19.654	-2.354	19.668	-2.299	19.678	-2.256	19.693	-2.181	22.281	-0.127	22.292	-0.071	22.305	0.015	22.316	0.106
19.707	-2.130	19.727	-2.068	19.743	-2.040	19.755	-1.954	22.329	0.184	22.340	0.263	22.356	0.417	22.367	0.495
19.770	-1.966	19.784	-1.989	19.797	-2.029	19.810	-1.989	22.379	0.570	22.394	0.653	22.407	0.720	22.423	0.798
19.825	-1.927	19.839	-1.899	19.856	-1.817	19.872	-1.726	22.438	0.899	22.453	0.968	22.463	1.031	22.472	1.074
19.889	-1.600	19.902	-1.506	19.917	-1.482	19.929	-1.463	22.487	1.105	22.502	1.145	22.513	1.172	22.528	1.192
19.941	-1.412	19.949	-1.408	19.959	-1.353	19.970	-1.341	22.542	1.204	22.553	1.223	22.566	1.263	22.578	1.306
19.979	-1.341	19.989	-1.341	20.002	-1.318	20.013	-1.255	22.594	1.249	22.603	1.408	22.620	1.464	22.629	1.487



22.639	1.523	22.650	1.550	22.657	1.558	22.666	1.554	25.736	0.954	25.747	0.903	25.760	0.808	25.763	0.789
22.671	1.546	22.682	1.566	22.697	1.613	22.712	1.649	25.769	0.741	25.776	0.690	25.785	0.647	25.793	0.600
22.722	1.731	22.736	1.794	22.748	1.826	22.756	1.861	25.804	0.580	25.813	0.548	25.822	0.529	25.834	0.497
22.765	1.897	22.769	1.924	22.775	1.897	22.785	1.936	25.844	0.470	25.854	0.422	25.864	0.391	25.874	0.351
22.795	1.971	22.804	1.952	22.814	1.971	22.824	1.975	25.883	0.312	25.893	0.285	25.902	0.257	25.912	0.221
22.833	1.940	22.848	1.963	22.864	1.889	22.877	1.926	25.922	0.210	25.934	0.198	25.944	0.202	25.952	0.202
22.888	1.786	22.896	1.751	22.908	1.686	22.914	1.625	25.963	0.202	25.974	0.198	25.990	0.182	26.002	0.166
22.920	1.574	22.928	1.586	22.933	1.593	22.937	1.566	26.017	0.154	26.029	0.143	26.044	0.123	26.059	0.115
22.946	1.491	22.957	1.408	22.964	1.338	22.970	1.302	26.070	0.115	26.079	0.103	26.093	0.095	26.105	0.079
22.987	1.294	22.999	1.279	23.012	1.227	23.027	1.157	26.117	0.072	26.129	0.056	26.140	0.040	26.152	0.040
23.047	1.085	23.065	1.007	23.081	0.960	23.096	0.889	26.167	0.048	26.183	0.048	26.194	0.048	26.208	0.048
23.113	0.853	23.131	0.798	23.143	0.779	23.152	0.767	26.222	0.044	26.237	0.024	26.250	0.016	26.262	-0.015
23.164	0.775	23.175	0.783	23.198	0.755	23.219	0.708	26.274	-0.043	26.288	-0.063	26.300	-0.098	26.306	-0.114
23.235	0.645	23.251	0.554	23.268	0.491	23.285	0.474	26.318	-0.157	26.327	-0.200	26.339	-0.252	26.348	-0.295
23.298	0.401	23.314	0.393	23.329	0.401	23.346	0.377	26.357	-0.334	26.365	-0.401	26.375	-0.464	26.384	-0.547
23.357	0.381	23.372	0.389	23.388	0.385	23.398	0.377	26.393	-0.622	26.401	-0.669	26.407	-0.708	26.417	-0.771
23.414	0.385	23.431	0.389	23.444	0.389	23.465	0.373	26.426	-0.819	26.435	-0.858	26.446	-0.905	26.456	-0.941
23.480	0.346	23.495	0.326	23.510	0.314	23.525	0.310	26.465	-0.968	26.474	-1.016	26.482	-1.043	26.492	-1.102
23.543	0.314	23.567	0.275	23.589	0.220	23.609	0.184	26.501	-1.169	26.509	-1.216	26.519	-1.283	26.522	-1.323
23.626	0.117	23.645	0.058	23.663	-0.012	23.683	-0.083	26.532	-1.370	26.542	-1.425	26.551	-1.472	26.565	-1.523
23.698	-0.170	23.718	-0.264	23.735	-0.382	23.756	-0.520	26.577	-1.567	26.591	-1.598	26.601	-1.614	26.610	-1.622
23.768	-0.638	23.780	-0.686	23.795	-0.733	23.810	-0.757	26.624	-1.606	26.639	-1.567	26.651	-1.516	26.662	-1.457
23.820	-0.776	23.832	-0.820	23.847	-0.875	23.862	-0.906	26.671	-1.402	26.681	-1.339	26.691	-1.272	26.701	-1.189
23.879	-0.930	23.892	-0.938	23.901	-0.938	23.913	-0.919	26.713	-1.142	26.722	-1.087	26.732	-1.032	26.741	-0.985
23.926	-0.911	23.937	-0.907	23.953	-0.915	23.968	-0.946	26.754	-0.741	26.807	-0.882	26.817	-0.835	26.829	-0.788
23.981	-1.006	23.991	-1.061	24.004	-1.112	24.016	-1.179	26.794	-0.741	26.807	-0.882	26.817	-0.835	26.829	-0.788
24.027	-1.242	24.039	-1.301	24.053	-1.344	24.062	-1.380	26.843	-0.591	26.857	-0.572	26.872	-0.564	26.889	-0.556
24.078	-1.427	24.090	-1.467	24.099	-1.506	24.111	-1.534	26.906	-0.560	26.928	-0.576	26.949	-0.583	26.969	-0.607
24.122	-1.550	24.133	-1.557	24.145	-1.558	24.162	-1.526	26.988	-0.635	27.002	-0.654	27.023	-0.686	27.047	-0.725
24.178	-1.467	24.191	-1.408	24.202	-1.365	24.213	-1.282	27.063	-0.765	27.083	-0.816	27.099	-0.855	27.115	-0.875
24.227	-1.196	24.241	-1.105	24.253	-1.031	24.265	-0.984	27.131	-0.903	27.147	-0.938	27.164	-0.962	27.174	-0.970
24.277	-0.921	24.291	-0.878	24.302	-0.846	24.313	-0.835	27.185	-0.974	27.197	-0.938	27.209	-0.903	27.224	-0.848
24.327	-0.985	24.339	-0.843	24.348	-0.851	24.365	-0.918	27.236	-0.812	27.251	-0.765	27.263	-0.710	27.277	-0.663
24.381	-0.985	24.395	-1.040	24.407	-1.076	24.421	-1.104	27.288	-0.596	27.304	-0.510	27.319	-0.470	27.330	-0.325
24.433	-1.120	24.443	-1.147	24.455	-1.179	24.469	-1.218	27.344	-0.258	27.357	-0.195	27.374	-0.117	27.388	-0.054
24.479	-1.266	24.490	-1.305	24.500	-1.337	24.511	-1.357	27.402	-0.007	27.418	0.033	27.439	0.096	27.457	0.158
24.522	-1.365	24.531	-1.361	24.548	-1.342	24.565	-1.306	27.479	0.233	27.499	0.288	27.520	0.355	27.537	0.433
24.579	-1.259	24.593	-1.201	24.607	-1.110	24.620	-1.024	27.551	0.488	27.572	0.551	27.588	0.582	27.605	0.602
24.633	-0.949	24.644	-0.878	24.656	-0.808	24.668	-0.729	27.626	0.621	27.644	0.606	27.666	0.574	27.682	0.534
24.677	-0.670	24.686	-0.631	24.695	-0.580	24.708	-0.541	27.697	0.507	27.708	0.491	27.721	0.471	27.742	0.467
24.724	-0.498	24.735	-0.451	24.744	-0.408	24.756	-0.341	27.766	0.467	27.783	0.467	27.802	0.459	27.818	0.458
24.772	-0.250	24.783	-0.188	24.794	-0.105	24.807	-0.050	27.825	0.446	27.856	0.426	27.879	0.378	27.895	0.351
24.817	0.017	24.825	0.052	24.836	0.087	24.850	0.119	27.910	0.327	27.924	0.307	27.939	0.295	27.951	0.291
24.867	0.142	24.882	0.158	24.894	0.181	24.912	0.228	27.967	0.306	27.991	0.353	28.012	0.408	28.036	0.462
24.932	0.287	24.954	0.350	24.971	0.385	24.991	0.424	28.057	0.505	28.077	0.552	28.093	0.591	28.117	0.642
25.009	0.679	25.032	0.542	25.055	0.585	25.079	0.616	28.133	0.693	28.150	0.724	28.170	0.767	28.180	0.775
25.099	0.431	25.118	0.651	25.131	0.643	25.155	0.631	28.191	0.778	28.201	0.782	28.219	0.809	28.230	0.833
25.178	0.650	25.195	0.673	25.210	0.693	25.225	0.736	28.239	0.836	28.248	0.848	28.263	0.828	28.281	0.785
25.242	0.763	25.258	0.787	25.277	0.810	25.300	0.838	28.297	0.709	28.311	0.658	28.324	0.607	28.344	0.535
25.321	0.885	25.343	0.916	25.367	0.975	25.388	1.022	28.360	0.507	28.378	0.452	28.396	0.408	28.411	0.357
25.400	1.062	25.418	1.128	25.431	1.203	25.445	1.282	28.425	0.317	28.436	0.293	28.452	0.273	28.468	0.261
25.454	1.337	25.466	1.396	25.475	1.455	25.487	1.514	28.483	0.261	28.494	0.264	28.510	0.244	28.527	0.220
25.499	1.553	25.514	1.593	25.529	1.612	25.544	1.640	28.547	0.192	28.566	0.176	28.585	0.148	28.600	0.128
25.562	1.663	25.579	1.687	25.591	1.702	25.601	1.710	28.622	0.124	28.647	0.119	28.667	0.123	28.695	0.122
25.619	1.643	25.643	1.588	25.660	1.490	25.670	1.431	28.710	0.118	28.727	0.114	28.743	0.125	28.767	0.156
25.683	1.332	25.697	1.245	25.714	1.155	25.726	1.049	28.794	0.187	28.819	0.234	28.841	0.277	28.865	0.324



28.879	0.344	28.892	0.347	28.902	0.355	28.922	0.351	31.736	0.185	31.747	0.220	31.754	0.236	31.767	0.216
28.942	0.323	28.961	0.276	28.977	0.232	28.997	0.173	31.778	0.232	31.787	0.251	31.804	0.243	31.821	0.235
29.012	0.122	29.026	0.062	29.044	0.027	29.063	0.003	31.834	0.243	31.846	0.258	31.866	0.238	31.882	0.230
29.078	-0.021	29.098	-0.017	29.121	-0.025	29.138	-0.041	31.900	0.218	31.915	0.210	31.936	0.206	31.954	0.206
29.162	-0.053	29.182	-0.073	29.203	-0.081	29.224	-0.086	31.971	0.221	31.990	0.245	32.008	0.276	32.025	0.300
29.238	-0.090	29.259	-0.125	29.277	-0.157	29.302	-0.189	32.040	0.319	32.044	0.347	32.055	0.354	32.065	0.386
29.323	-0.200	29.344	-0.204	29.364	-0.204	29.386	-0.208	32.078	0.405	32.089	0.433	32.101	0.444	32.115	0.460
29.409	-0.228	29.427	-0.252	29.446	-0.279	29.465	-0.295	32.130	0.483	32.142	0.499	32.155	0.511	32.175	0.518
29.477	-0.311	29.502	-0.315	29.518	-0.327	29.530	-0.343	32.190	0.518	32.203	0.518	32.217	0.518	32.229	0.498
29.543	-0.354	29.563	-0.339	29.585	-0.299	29.602	-0.264	32.244	0.490	32.259	0.470	32.275	0.470	32.289	0.462
29.613	-0.252	29.628	-0.248	29.639	-0.248	29.657	-0.260	32.304	0.434	32.322	0.410	32.337	0.387	32.350	0.347
29.683	-0.304	29.703	-0.351	29.722	-0.390	29.737	-0.437	32.361	0.300	32.373	0.272	32.385	0.225	32.397	0.194
29.748	-0.481	29.762	-0.532	29.763	-0.551	29.764	-0.590	32.406	0.174	32.407	0.170	32.413	0.142	32.427	0.126
29.764	-0.438	29.765	-0.481	29.766	-0.532	29.769	-0.558	32.439	0.103	32.445	0.087	32.461	0.075	32.472	0.047
29.779	-0.579	29.784	-0.599	29.790	-0.623	29.796	-0.638	32.482	0.043	32.495	0.035	32.506	0.031	32.520	0.043
29.804	-0.654	29.810	-0.666	29.816	-0.670	29.824	-0.658	32.533	0.059	32.546	0.078	32.555	0.086	32.567	0.086
29.834	-0.658	29.840	-0.654	29.849	-0.626	29.861	-0.591	32.579	0.086	32.593	0.078	32.608	0.074	32.621	0.066
29.872	-0.556	29.886	-0.520	29.898	-0.481	29.905	-0.453	32.637	0.054	32.650	0.031	32.662	0.027	32.675	0.027
29.915	-0.441	29.922	-0.426	29.929	-0.398	29.936	-0.386	32.691	0.030	32.707	0.022	32.720	0.007	32.737	-0.005
29.947	-0.378	29.955	-0.367	29.959	-0.371	29.964	-0.382	32.752	-0.017	32.768	-0.025	32.783	-0.053	32.801	-0.069
29.969	-0.371	29.976	-0.359	29.984	-0.363	29.993	-0.367	32.815	-0.084	32.833	-0.084	32.845	-0.096	32.859	-0.096
30.000	-0.367	30.008	-0.367	30.017	-0.363	30.029	-0.351	32.867	-0.104	32.887	-0.100	32.901	-0.097	32.917	-0.093
30.041	-0.331	30.055	-0.292	30.062	-0.272	30.069	-0.253	32.933	-0.097	32.956	-0.093	32.971	-0.089	32.988	-0.089
30.074	-0.237	30.082	-0.213	30.089	-0.229	30.097	-0.205	33.008	-0.105	33.023	-0.121	33.037	-0.129	33.052	-0.140
30.108	-0.166	30.121	-0.186	30.133	-0.182	30.150	-0.154	33.069	-0.160	33.082	-0.207	33.098	-0.192	33.110	-0.184
30.163	-0.150	30.171	-0.150	30.180	-0.146	30.191	-0.138	33.125	-0.200	33.138	-0.227	33.155	-0.231	33.169	-0.247
30.201	-0.146	30.206	-0.146	30.215	-0.138	30.222	-0.119	33.182	-0.251	33.195	-0.255	33.209	-0.263	33.225	-0.267
30.230	-0.127	30.235	-0.134	30.245	-0.115	30.255	-0.103	33.238	-0.275	33.250	-0.279	33.262	-0.287	33.274	-0.299
30.261	-0.087	30.279	-0.095	30.296	-0.138	30.292	-0.162	33.285	-0.307	33.296	-0.295	33.310	-0.291	33.328	-0.295
30.296	-0.166	30.308	-0.158	30.323	-0.143	30.341	-0.131	33.343	-0.319	33.355	-0.334	33.369	-0.327	33.381	-0.346
30.357	-0.111	30.372	-0.104	30.387	-0.092	30.398	-0.092	33.397	-0.327	33.414	-0.299	33.432	-0.275	33.450	-0.256
30.411	-0.088	30.425	-0.088	30.439	-0.092	30.448	-0.096	33.468	-0.240	33.486	-0.228	33.504	-0.224	33.519	-0.232
30.459	-0.096	30.471	-0.084	30.479	-0.073	30.492	-0.073	33.533	-0.244	33.548	-0.244	33.563	-0.256	33.576	-0.272
30.502	-0.077	30.513	-0.081	30.526	-0.089	30.539	-0.085	33.590	-0.280	33.604	-0.284	33.620	-0.276	33.635	-0.264
30.554	-0.081	30.564	-0.077	30.581	-0.069	30.600	-0.077	33.648	-0.252	33.663	-0.252	33.681	-0.260	33.699	-0.260
30.612	-0.066	30.621	-0.050	30.632	-0.046	30.644	-0.042	33.714	-0.264	33.734	-0.249	33.749	-0.229	33.763	-0.225
30.654	-0.034	30.664	-0.027	30.671	-0.023	30.679	-0.015	33.783	-0.233	33.801	-0.233	33.813	-0.249	33.829	-0.249
30.691	-0.031	30.703	-0.035	30.720	-0.027	30.740	-0.027	33.846	-0.245	33.857	-0.261	33.873	-0.272	33.888	-0.288
30.755	-0.019	30.772	-0.007	30.798	-0.004	30.813	0.008	33.903	-0.308	33.918	-0.320	33.932	-0.332	33.947	-0.336
30.835	0.004	30.853	0.007	30.866	0.015	30.882	0.011	33.962	-0.339	33.979	-0.332	33.996	-0.324	34.009	-0.308
30.903	-0.001	30.923	0.017	30.942	0.017	30.962	0.037	34.030	-0.277	34.046	-0.261	34.060	-0.253	34.077	-0.241
30.986	-0.057	31.004	-0.073	31.025	-0.085	31.045	-0.121	34.094	-0.198	34.110	-0.123	34.123	-0.123	34.136	-0.076
31.064	-0.145	31.083	-0.180	31.101	-0.204	31.117	-0.228	34.151	-0.045	34.163	-0.049	34.175	-0.084	34.191	-0.123
31.134	-0.244	31.149	-0.252	31.155	-0.244	31.176	-0.252	34.204	-0.147	34.216	-0.206	34.231	-0.253	34.243	-0.253
31.194	-0.280	31.207	-0.292	31.218	-0.308	31.236	-0.320	34.255	-0.289	34.266	-0.301	34.276	-0.309	34.288	-0.293
31.248	-0.316	31.259	-0.308	31.271	-0.285	31.284	-0.258	34.308	-0.258	34.326	-0.254	34.342	-0.242	34.361	-0.238
31.293	-0.242	31.305	-0.230	31.314	-0.223	31.324	-0.195	34.377	-0.211	34.392	-0.191	34.412	-0.148	34.426	-0.120
31.335	-0.164	31.346	-0.132	31.356	-0.113	31.365	-0.089	34.444	-0.081	34.457	-0.066	34.472	-0.006	34.488	0.013
31.374	-0.046	31.383	-0.011	31.391	0.024	31.399	0.056	34.503	0.013	34.521	0.041	34.537	0.064	34.554	0.092
31.410	0.075	31.420	0.095	31.428	0.107	31.439	0.118	34.576	0.127	34.592	0.127	34.609	0.131	34.625	0.123
31.448	0.114	31.460	0.110	31.472	0.098	31.481	0.114	34.643	0.087	34.662	0.068	34.679	0.076	34.702	0.103
31.491	0.129	31.502	0.098	31.511	0.113	31.523	0.101	34.720	0.134	34.734	0.186	34.749	0.182	34.764	0.150
31.533	0.109	31.550	0.136	31.565	0.140	31.577	0.144	34.779	0.136	34.794	0.095	34.812	0.071	34.824	0.039
31.589	0.140	31.600	0.144	31.607	0.136	31.619	0.147	34.838	0.039	34.854	0.055	34.870	0.074	34.884	0.102
31.630	0.171	31.640	0.135	31.654	0.111	31.659	0.084	34.898	0.137	34.908	0.188	34.923	0.282	34.935	0.369
31.671	0.103	31.682	0.150	31.698	0.142	31.715	0.154	34.947	0.416	34.962	0.487	34.975	0.549	34.986	0.553



35.005	0.577	35.022	0.584	35.038	0.565	35.055	0.541	39.087	-0.488	39.107	-0.449	39.130	-0.437	39.152	-0.430
35.070	0.470	35.087	0.462	35.099	0.407	35.115	0.402	39.178	-0.410	39.204	-0.379	39.218	-0.383	39.236	-0.324
35.130	0.414	35.145	0.426	35.160	0.449	35.175	0.457	39.259	-0.348	39.287	-0.332	39.308	-0.301	39.331	-0.285
35.191	0.531	35.208	0.488	35.224	0.500	35.241	0.519	39.355	-0.270	39.385	-0.215	39.412	-0.168	39.433	-0.164
35.259	0.469	35.276	0.523	35.291	0.503	35.307	0.475	39.455	-0.058	39.475	-0.022	39.496	0.029	39.518	0.076
35.326	0.447	35.344	0.420	35.360	0.392	35.379	0.384	39.541	0.131	39.559	0.138	39.578	0.154	39.590	0.146
35.392	0.348	35.406	0.348	35.421	0.340	35.440	0.320	39.608	0.146	39.627	0.146	39.647	0.138	39.668	0.138
35.457	0.292	35.477	0.291	35.498	0.287	35.515	0.275	39.690	0.146	39.720	0.141	39.745	0.181	39.766	0.208
35.532	0.243	35.547	0.227	35.563	0.227	35.581	0.211	39.791	0.235	39.817	0.294	39.840	0.310	39.858	0.322
35.596	0.203	35.612	0.199	35.630	0.206	35.645	0.230	39.883	0.357	39.901	0.357	39.928	0.396	39.955	0.392
35.663	0.245	35.682	0.221	35.697	0.225	35.712	0.197	39.982	0.388	40.002	0.368	40.024	0.313	40.045	0.305
35.732	0.185	35.748	0.208	35.766	0.220	35.784	0.212	40.071	0.301	40.095	0.297	40.116	0.297	40.144	0.292
35.797	0.212	35.808	0.208	35.828	0.160	35.849	0.121	40.161	0.312	40.191	0.331	40.205	0.355	40.216	0.379
35.866	0.124	35.884	0.097	35.902	0.081	35.916	0.041	40.231	0.386	40.250	0.382	40.261	0.351	40.274	0.366
35.927	-0.006	35.941	-0.058	35.965	-0.113	35.983	-0.184	40.287	0.315	40.299	0.291				
36.006	-0.220	36.024	-0.275	36.043	-0.366	36.060	-0.421								
36.083	-0.508	36.101	-0.528	36.117	-0.516	36.131	-0.473								
36.144	-0.442	36.164	-0.395	36.179	-0.348	36.193	-0.368								
36.215	-0.399	36.236	-0.459	36.251	-0.498	36.261	-0.561								
36.277	-0.632	36.293	-0.668	36.318	-0.704	36.338	-0.692								
36.359	-0.688	36.383	-0.688	36.404	-0.681	36.426	-0.653								
36.449	-0.610	36.468	-0.646	36.485	-0.654	36.502	-0.685								
36.529	-0.666	36.540	-0.674	36.557	-0.658	36.576	-0.670								
36.593	-0.659	36.614	-0.666	36.632	-0.659	36.649	-0.639								
36.668	-0.659	36.686	-0.683	36.701	-0.663	36.718	-0.648								
36.736	-0.624	36.751	-0.605	36.767	-0.601	36.785	-0.601								
36.801	-0.625	36.817	-0.652	36.830	-0.633	36.849	-0.606								
36.868	-0.558	36.883	-0.480	36.898	-0.397	36.909	-0.366								
36.922	-0.315	36.937	-0.252	36.954	-0.205	36.973	-0.193								
36.992	-0.162	37.010	-0.154	37.030	-0.123	37.050	-0.072								
37.070	-0.045	37.091	-0.025	37.109	0.006	37.126	0.053								
37.141	0.073	37.160	0.100	37.179	0.108	37.199	0.115								
37.217	0.131	37.240	0.131	37.259	0.178	37.279	0.181								
37.297	0.193	37.312	0.209	37.325	0.228	37.344	0.251								
37.360	0.271	37.374	0.310	37.390	0.330	37.409	0.373								
37.426	0.404	37.447	0.435	37.466	0.478	37.482	0.506								
37.496	0.545	37.514	0.588	37.531	0.604	37.550	0.591								
37.567	0.560	37.585	0.544	37.601	0.528	37.618	0.555								
37.645	0.602	37.663	0.630	37.679	0.633	37.704	0.629								
37.723	0.648	37.746	0.676	37.766	0.711	37.788	0.738								
37.808	0.758	37.824	0.750	37.847	0.730	37.868	0.722								
37.889	0.718	37.908	0.702	37.926	0.667	37.947	0.615								
37.968	0.580	37.988	0.521	38.009	0.469	38.025	0.418								
38.045	0.371	38.062	0.367	38.083	0.355	38.100	0.359								
38.122	0.343	38.142	0.315	38.166	0.276	38.189	0.248								
38.212	0.224	38.234	0.196	38.257	0.177	38.279	0.129								
38.299	0.090	38.318	0.066	38.339	0.027	38.357	-0.024								
38.374	-0.060	38.396	-0.103	38.422	-0.158	38.438	-0.166								
38.459	-0.214	38.479	-0.229	38.494	-0.245	38.518	-0.288								
38.534	-0.312	38.557	-0.355	38.585	-0.375	38.606	-0.422								
38.628	-0.434	38.642	-0.485	38.657	-0.497	38.678	-0.521								
38.699	-0.533	38.717	-0.556	38.735	-0.572	38.755	-0.568								
38.776	-0.549	38.794	-0.537	38.813	-0.533	38.836	-0.529								
38.858	-0.541	38.880	-0.530	38.900	-0.573	38.917	-0.585								
38.936	-0.613	38.955	-0.680	38.974	-0.672	38.992	-0.668								
39.011	-0.637	39.028	-0.633	39.050	-0.594	39.068	-0.543								



IH 117

71.025 2/9/71 0600EST L.A. 15250 VENTURA BLVD. ROOF

N79N

2450 POINTS 40.314 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 0.7463 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.163	0.005	0.203	0.025	0.212	0.041	0.217	2.167	0.237	2.176	0.246	2.196	0.411	2.212	0.513				
0.055	0.208	0.068	0.190	0.082	0.181	0.091	0.190	2.220	0.522	2.238	0.469	2.253	0.375	2.269	0.309				
0.102	0.195	0.117	0.172	0.127	0.159	0.139	0.150	2.287	0.180	2.303	0.046	2.314	-0.003	2.332	0.024				
0.154	0.159	0.169	0.186	0.183	0.204	0.201	0.222	2.350	0.059	2.367	0.130	2.385	0.254	2.397	0.294				
0.217	0.231	0.231	0.249	0.243	0.235	0.258	0.222	2.409	0.303	2.424	0.414	2.431	0.494	2.438	0.494				
0.264	0.222	0.277	0.204	0.287	0.227	0.301	0.244	2.453	0.440	2.473	0.289	2.486	0.196	2.496	0.111				
0.312	0.231	0.319	0.173	0.331	0.142	0.342	0.125	2.511	0.075	2.526	-0.000	2.543	-0.063	2.562	-0.041				
0.361	0.174	0.380	0.094	0.385	0.085	0.394	0.134	2.574	-0.032	2.592	-0.019	2.606	0.012	2.625	0.101				
0.409	0.165	0.428	0.174	0.439	0.129	0.447	0.121	2.638	0.172	2.647	0.176	2.666	0.141	2.687	0.109				
0.461	0.174	0.472	0.201	0.483	0.179	0.500	0.228	2.699	0.100	2.721	0.185	2.731	0.153	2.747	0.153				
0.512	0.254	0.528	0.237	0.546	0.228	0.553	0.188	2.758	0.135	2.770	0.091	2.782	0.051	2.797	0.095				
0.562	0.192	0.579	0.228	0.599	0.179	0.619	0.273	2.806	0.152	2.827	0.448	2.842	0.174	2.856	0.241				
0.627	0.259	0.637	0.193	0.645	0.184	0.666	0.193	2.866	0.289	2.878	0.240	2.895	0.204	2.904	0.218				
0.674	0.188	0.685	0.144	0.700	0.113	0.718	0.082	2.917	0.249	2.929	0.266	2.940	0.270	2.957	0.199				
0.731	0.122	0.747	0.180	0.756	0.193	0.771	0.180	2.979	0.185	2.984	0.181	3.002	0.221	3.010	0.229				
0.786	0.144	0.796	0.131	0.816	0.162	0.828	0.251	3.030	0.233	3.043	0.233	3.059	0.184	3.074	0.162				
0.840	0.287	0.866	0.278	0.883	0.301	0.899	0.194	3.090	0.081	3.115	0.019	3.127	-0.110	3.149	-0.186				
0.909	0.114	0.918	0.088	0.934	0.101	0.944	0.114	3.160	-0.204	3.179	-0.156	3.192	-0.094	3.208	-0.045				
0.958	0.048	0.976	-0.028	0.983	-0.045	0.999	0.017	3.217	-0.014	3.232	0.146	3.240	0.203	3.249	0.226				
1.012	0.093	1.026	0.182	1.035	0.177	1.044	0.168	3.259	0.212	3.268	0.239	3.285	0.345	3.303	0.523				
1.057	0.195	1.069	0.249	1.083	0.213	1.093	0.200	3.315	0.638	3.325	0.634	3.337	0.611	3.355	0.629				
1.105	0.231	1.119	0.298	1.127	0.298	1.145	0.227	3.364	0.593	3.384	0.597	3.399	0.233	3.411	0.197				
1.152	0.187	1.164	0.182	1.177	0.120	1.187	0.098	3.430	0.175	3.443	0.117	3.460	0.068	3.475	0.067				
1.203	0.143	1.210	0.143	1.222	0.121	1.234	0.135	3.490	0.098	3.498	0.165	3.510	0.196	3.525	0.187				
1.248	0.139	1.258	0.116	1.274	0.094	1.290	0.077	3.537	0.187	3.555	0.160	3.574	0.173	3.587	0.115				
1.305	0.041	1.328	0.175	1.348	0.206	1.365	0.291	3.606	0.275	3.616	0.324	3.632	0.257	3.645	0.194				
1.386	0.220	1.401	0.246	1.422	0.144	1.434	0.189	3.663	0.088	3.690	0.069	3.698	0.029	3.712	-0.037				
1.455	0.171	1.465	0.136	1.477	0.100	1.495	0.082	3.734	-0.104	3.752	-0.162	3.761	-0.145	3.778	0.020				
1.512	0.060	1.527	0.078	1.544	0.052	1.556	0.052	3.787	0.077	3.808	0.090	3.815	0.068	3.835	0.179				
1.575	0.145	1.586	0.185	1.603	0.190	1.616	0.217	3.857	0.290	3.864	0.303	3.883	0.210	3.894	0.188				
1.626	0.190	1.653	0.181	1.663	0.172	1.671	0.186	3.909	0.272	3.925	0.458	3.946	0.614	3.955	0.645				
1.684	0.164	1.690	0.155	1.708	0.204	1.717	0.213	3.968	0.547	3.975	0.440	3.990	0.449	3.996	0.396				
1.734	0.173	1.743	0.164	1.756	0.235	1.770	0.311	4.012	0.227	4.029	0.066	4.041	0.013	4.054	0.022				
1.779	0.338	1.787	0.298	1.796	0.289	1.813	0.320	4.070	0.106	4.082	0.150	4.097	0.123	4.112	0.101				
1.826	0.260	1.839	0.400	1.848	0.382	1.861	0.311	4.123	0.101	4.134	0.083	4.146	0.092	4.159	0.038				
1.872	0.218	1.885	0.183	1.894	0.187	1.904	0.200	4.179	0.074	4.186	0.007	4.198	-0.037	4.212	-0.015				
1.914	0.129	1.925	0.054	1.944	0.041	1.966	0.027	4.224	0.091	4.237	0.158	4.251	0.069	4.264	0.095				
1.980	0.023	1.999	0.094	2.018	0.139	2.032	0.210	4.273	0.031	4.289	-0.025	4.302	-0.056	4.314	-0.074				
2.043	0.210	2.057	0.166	2.070	0.121	2.090	0.112	4.325	-0.145	4.337	-0.257	4.347	-0.301	4.364	-0.195				
2.107	0.117	2.121	0.130	2.142	0.135	2.158	0.224	4.380	-0.190	4.393	-0.053	4.407	0.129	4.426	0.382				



4.442	0.716	4.457	0.960	4.467	1.035	4.489	1.115	7.443	0.526	7.460	0.664	7.472	0.908	7.485	1.250
4.508	1.088	4.522	0.964	4.537	0.652	4.551	0.497	7.495	1.450	7.504	1.486	7.514	1.343	7.524	1.148
4.564	0.425	4.576	0.434	4.592	0.518	4.599	0.527	7.537	0.903	7.558	0.658	7.571	0.307	7.583	-0.049
4.617	0.398	4.628	0.291	4.644	0.331	4.660	0.233	7.596	-0.414	7.613	-0.841	7.622	-1.005	7.638	-1.366
4.675	0.011	4.693	-0.216	4.708	-0.314	4.719	-0.310	7.654	-1.619	7.665	-1.668	7.680	-1.606	7.692	-1.451
4.729	-0.337	4.746	-0.492	4.758	-0.488	4.764	-0.493	7.714	-1.126	7.737	-0.863	7.754	-0.571	7.769	-0.211
4.781	-0.333	4.794	-0.244	4.803	-0.217	4.818	-0.026	7.781	0.162	7.792	0.366	7.804	0.411	7.817	0.393
4.828	0.080	4.842	0.076	4.857	0.116	4.864	0.040	7.829	0.486	7.839	0.633	7.854	0.531	7.864	0.308
4.875	0.027	4.886	-0.098	4.893	-0.129	4.910	-0.031	7.874	0.144	7.883	0.095	7.904	0.175	7.921	0.259
4.937	0.098	4.947	0.213	4.960	0.555	4.976	0.977	7.933	0.290	7.945	0.330	7.958	0.468	7.977	0.468
4.991	1.329	4.997	1.426	5.004	1.435	5.024	1.315	7.989	0.614	8.007	0.605	8.022	0.598	8.033	0.468
5.034	1.297	5.045	1.221	5.058	0.946	5.071	0.621	8.044	0.299	8.059	0.178	8.083	0.067	8.104	-0.048
5.087	0.417	5.098	0.288	5.107	0.279	5.121	0.323	8.124	-0.137	8.140	-0.169	8.161	-0.311	8.176	-0.231
5.132	0.287	5.144	0.016	5.157	-0.308	5.173	-0.665	8.187	-0.329	8.204	-0.596	8.223	-0.902	8.241	-1.258
5.193	-0.944	5.207	-1.047	5.221	-1.011	5.233	-1.002	8.250	-1.343	8.261	-1.383	8.273	-1.321	8.282	-1.169
5.243	-1.038	5.256	-0.825	5.272	-0.696	5.294	-0.478	8.300	-0.832	8.315	-0.534	8.329	-0.383	8.345	-0.290
5.312	-0.336	5.328	-0.149	5.341	-0.096	5.354	0.029	8.367	-0.197	8.379	-0.072	8.389	0.101	8.399	0.292
5.379	0.109	5.394	0.331	5.407	0.540	5.415	0.607	8.415	0.674	8.427	0.870	8.439	0.901	8.449	0.879
5.425	0.567	5.438	0.460	5.452	0.455	5.465	0.402	8.461	0.888	8.472	0.830	8.486	0.638	8.501	0.541
5.481	0.407	5.493	0.482	5.514	0.642	5.531	0.811	8.517	0.500	8.531	0.491	8.542	0.482	8.558	0.549
5.542	0.802	5.561	0.713	5.583	0.571	5.597	0.504	8.569	0.700	8.584	0.860	8.600	1.229	8.617	1.544
5.603	0.442	5.613	0.411	5.629	0.464	5.644	0.571	8.630	1.664	8.644	1.509	8.665	1.171	8.684	0.999
5.653	0.660	5.661	0.678	5.674	0.589	5.689	0.464	8.695	0.681	8.709	0.255	8.729	-0.057	8.746	-0.395
5.703	0.261	5.718	0.246	5.733	0.064	5.750	-0.198	8.763	-0.577	8.778	0.515	8.794	-0.364	8.812	-0.129
5.764	0.295	5.778	-0.243	5.792	-0.283	5.804	-0.407	8.831	0.155	8.851	0.430	8.866	0.586	8.878	0.746
5.816	-0.452	5.831	-0.381	5.841	-0.270	5.853	-0.043	8.889	0.857	8.901	0.839	8.916	0.772	8.928	0.691
5.870	0.197	5.882	0.237	5.894	0.268	5.906	0.156	8.945	0.584	8.958	0.446	8.978	0.330	8.991	0.370
5.915	-0.008	5.925	-0.075	5.939	-0.071	5.947	-0.151	9.006	0.294	9.021	0.170	9.035	0.036	9.046	0.000
5.955	-0.311	5.967	-0.467	5.983	-0.698	5.997	-0.880	9.064	0.053	9.080	0.097	9.096	-0.063	9.114	-0.277
6.007	-0.943	6.015	-0.912	6.030	-0.747	6.049	-0.498	9.127	-0.388	9.140	-0.446	9.149	-0.406	9.158	-0.420
6.066	-0.187	6.080	-0.036	6.092	0.017	6.099	0.001	9.171	-0.304	9.190	-0.078	9.211	0.286	9.223	0.597
6.109	0.066	6.118	0.217	6.130	0.674	6.142	1.061	9.240	0.984	9.252	1.295	9.266	1.459	9.280	1.574
6.153	1.421	6.165	1.630	6.180	1.728	6.191	1.745	9.287	1.503	9.292	1.410	9.305	1.285	9.316	1.080
6.206	1.874	6.213	1.883	6.224	1.732	6.236	1.398	9.326	0.840	9.339	0.657	9.359	0.599	9.366	0.541
6.250	1.091	6.264	0.775	6.277	0.348	6.293	-0.043	9.377	0.412	9.393	0.350	9.402	0.296	9.417	0.145
6.306	-0.510	6.318	-0.888	6.330	-1.146	6.344	-1.253	9.427	-0.038	9.439	-0.185	9.447	-0.216	9.457	-0.283
6.353	-1.271	6.362	-1.338	6.371	-1.320	6.386	-1.191	9.469	-0.261	9.484	-0.301	9.493	-0.372	9.502	-0.524
6.391	-1.085	6.398	-1.040	6.413	-1.089	6.430	-1.085	9.510	-0.613	9.525	-1.040	9.538	-0.640	9.554	-0.747
6.444	-1.019	6.456	-0.939	6.466	-0.859	6.479	-0.624	9.562	-0.969	9.572	-1.040	9.588	-0.872	9.611	-0.623
6.489	-0.366	6.507	-0.122	6.525	0.105	6.541	0.264	9.626	-0.321	9.639	0.003	9.651	0.141	9.661	0.203
6.562	0.411	6.577	0.517	6.591	0.446	6.609	0.286	9.676	0.398	9.696	0.402	9.714	0.460	9.720	0.500
6.621	0.076	6.639	0.057	6.656	-0.178	6.667	-0.235	9.722	0.442	9.731	0.486	9.738	0.468	9.751	0.330
6.678	-0.124	6.691	0.124	6.705	0.280	6.727	0.502	9.770	0.383	9.779	0.365	9.787	0.201	9.797	-0.097
6.738	0.755	6.744	0.826	6.761	0.901	6.776	1.092	9.804	-0.293	9.814	-0.484	9.823	-0.591	9.832	-0.608
6.788	1.243	6.794	1.252	6.808	1.234	6.820	1.345	9.841	-0.751	9.847	-0.844	9.853	-0.866	9.861	-0.946
6.826	1.407	6.835	1.433	6.847	1.340	6.855	1.282	9.868	-0.942	9.878	-0.862	9.891	-0.662	9.903	-0.489
6.868	1.268	6.880	1.148	6.893	0.886	6.916	-0.440	9.916	-0.440	9.930	-0.369	9.960	-0.080	9.972	0.116
6.923	0.383	6.935	0.023	6.945	-0.111	6.956	-0.191	9.983	0.218	9.993	0.342	10.002	0.351	10.019	0.275
6.967	-0.347	6.983	-0.405	7.002	-0.436	7.009	-0.503	10.031	0.253	10.042	0.284	10.056	0.226	10.067	0.155
7.026	-0.579	7.038	-0.561	7.054	-0.637	7.065	-0.566	10.079	0.039	10.091	-0.014	10.106	0.088	10.126	0.253
7.085	-0.313	7.108	0.042	7.140	0.473	7.161	0.748	10.143	0.128	10.151	0.039	10.164	0.021	10.175	-0.059
7.175	0.801	7.189	0.743	7.201	0.668	7.221	0.756	10.185	-0.183	10.197	-0.277	10.210	-0.392	10.221	-0.535
7.236	0.734	7.250	0.676	7.259	0.595	7.271	0.462	10.237	-0.664	10.253	-0.690	10.268	-0.597	10.279	-0.424
7.281	0.413	7.295	0.506	7.300	0.506	7.311	0.399	10.293	-0.152	10.308	0.239	10.320	0.470	10.340	0.675
7.322	0.248	7.335	0.168	7.353	0.363	7.369	0.572	10.353	0.826	10.370	0.915	10.384	0.888	10.396	0.750
7.380	0.661	7.398	0.509	7.409	0.429	7.424	0.500	10.412	0.412	10.427	0.043	10.441	-0.268	10.459	-0.530



10.478	-0.681	10.498	-0.770	10.509	-0.814	10.518	-0.814	14.873	-0.458	14.898	-0.468	14.916	-0.464	14.942	-0.477
10.528	-0.885	10.545	-0.885	10.551	-0.930	10.573	-0.659	14.957	-0.464	14.978	-0.415	14.991	-0.411	15.022	-0.367
10.586	-0.485	10.602	-0.218	10.619	-0.067	10.633	-0.041	15.048	-0.327	15.071	-0.328	15.083	-0.346	15.110	-0.328
10.648	0.031	10.657	0.155	10.673	0.422	10.671	0.573	15.135	-0.297	15.147	-0.293	15.167	-0.293	15.196	-0.241
10.703	0.755	10.717	1.080	10.733	1.271	10.746	1.298	15.214	-0.192	15.231	-0.223	15.250	-0.166	15.261	-0.197
10.756	1.253	10.773	1.053	10.783	0.996	10.798	0.924	15.284	-0.068	15.303	-0.056	15.309	0.052	15.331	0.180
10.807	0.809	10.824	0.578	10.840	0.360	10.854	0.084	15.349	0.198	15.375	0.198	15.387	0.166	15.405	0.197
10.867	-0.236	10.881	-0.627	10.893	-0.529	10.902	-0.591	15.417	0.184	15.437	0.130	15.454	0.077	15.477	0.081
10.914	-0.649	10.929	-0.667	10.947	-0.609	10.962	-0.471	15.498	0.108	15.511	0.170	15.531	0.241	15.557	0.378
10.979	0.267	10.993	-0.174	11.009	-0.151	11.015	-0.187	15.574	0.436	15.599	0.476	15.614	0.569	15.638	0.782
11.028	-0.125	11.038	-0.049	11.060	-0.058	11.070	-0.000	15.658	0.942	15.675	1.066	15.692	1.120	15.717	1.030
11.095	0.209	11.105	0.298	11.117	0.360	11.126	0.431	15.746	0.906	15.764	0.843	15.781	0.817	15.810	0.656
11.133	0.538	11.142	0.671	11.148	0.733	11.156	0.755	15.842	0.447	15.866	0.256	15.885	0.087	15.911	-0.091
11.165	0.684	11.172	0.564	11.181	0.373	11.194	0.275	15.934	-0.162	15.957	-0.176	15.977	-0.082	15.996	0.038
11.215	0.040	11.227	-0.027	11.247	-0.209	11.267	-0.120	16.019	0.198	16.050	0.366	16.071	0.513	16.081	0.531
11.281	0.800	11.309	-0.067	11.333	0.222	11.347	0.422	16.101	0.722	16.135	0.917	16.146	0.895	16.162	0.957
11.367	0.800	11.388	1.142	11.405	1.404	11.417	1.484	16.254	0.521	16.264	0.468	16.288	0.485	16.296	0.459
11.438	1.484	11.459	1.284	11.478	0.995	11.488	0.835	16.320	0.459	16.341	0.356	16.366	0.245	16.397	0.138
11.512	0.328	11.544	-0.348	11.570	-0.934	11.587	-1.121	16.419	0.054	16.450	-0.058	16.478	-0.111	16.501	-0.067
11.600	-1.166	11.619	-1.366	11.637	-1.508	11.670	-1.201	16.536	-0.067	16.568	-0.063	16.589	-0.005	16.608	0.030
11.682	-1.055	11.695	-0.939	11.712	-0.677	11.727	-0.379	16.628	0.030	16.644	0.021	16.663	0.035	16.693	0.021
11.740	-0.170	11.753	0.105	11.776	0.452	11.788	0.639	16.819	-0.023	16.839	-0.135	16.866	-0.220	16.888	-0.193
11.799	0.674	11.813	0.634	11.829	0.390	11.843	0.087	16.905	-0.176	16.924	-0.060	16.936	0.064	16.954	0.171
11.860	-0.184	11.877	-0.433	11.890	-0.655	11.902	-0.873	16.965	0.224	16.989	0.251	17.002	0.286	17.028	0.455
11.921	-1.042	11.947	-0.829	11.958	-0.776	11.978	-0.571	17.042	0.521	17.062	0.543	17.088	0.512	17.113	0.441
11.991	-0.500	12.010	-0.180	12.028	0.117	12.042	0.495	17.218	-0.173	17.236	-0.293	17.268	-0.507	17.292	-0.142
12.056	0.842	12.075	1.042	12.081	1.055	12.089	1.029	17.323	-0.686	17.349	-0.601	17.371	-0.486	17.402	-0.473
12.116	0.713	12.131	0.526	12.145	0.330	12.170	0.261	17.422	-0.420	17.439	-0.367	17.464	-0.243	17.484	-0.185
12.186	-0.750	12.205	-1.119	12.220	-1.408	12.238	-1.555	17.514	-0.168	17.542	-0.168	17.565	-0.195	17.600	-0.275
12.274	-1.284	12.290	-1.102	12.307	-0.982	12.314	-0.884	17.626	-0.328	17.658	-0.463	17.686	-0.418	17.717	-0.281
12.338	-0.666	12.356	-0.404	12.370	-0.146	12.388	0.138	17.737	-0.201	17.762	-0.152	17.781	-0.197	17.815	-0.286
12.405	0.423	12.421	0.516	12.442	0.472	12.459	0.578	17.838	-0.420	17.868	-0.625	17.899	-0.812	17.928	-0.905
12.474	0.703	12.492	0.774	12.513	0.734	12.529	0.747	17.952	-0.897	17.968	-0.879	17.993	-0.884	18.028	-0.711
12.565	0.631	12.576	0.614	12.588	0.587	12.616	0.716	18.065	-0.520	18.101	-0.364	18.132	-0.196	18.153	-0.120
12.651	0.525	12.674	0.324	12.690	0.262	12.722	0.044	18.171	-0.036	18.200	0.035	18.224	0.061	18.243	0.088
12.738	0.111	12.757	0.191	12.767	0.280	12.786	0.449	18.269	-0.001	18.285	-0.019	18.306	0.012	18.324	-0.006
12.809	0.569	12.845	0.848	12.868	0.822	12.888	0.786	18.361	0.096	18.390	0.238	18.421	0.438	18.448	0.589
12.909	0.670	12.928	0.661	12.939	0.630	12.954	0.608	18.470	0.704	18.501	0.859	18.514	0.806	18.539	0.793
12.980	0.372	13.008	0.074	13.029	0.039	13.050	-0.010	18.553	0.641	18.563	0.690	18.573	0.610	18.580	0.632
13.090	0.114	13.117	0.385	13.139	0.532	13.154	0.660	18.592	0.574	18.618	0.561	18.629	0.534	18.643	0.556
13.181	0.865	13.203	0.976	13.230	0.980	13.248	0.891	18.654	0.467	18.676	0.440	18.714	0.502	18.732	0.582
13.294	0.513	13.309	0.446	13.354	0.161	13.386	0.326	18.741	0.573	18.755	0.544	18.776	0.635	18.787	0.680
13.417	0.503	13.453	0.485	13.474	0.525	13.492	0.481	18.795	0.648	18.809	0.742	18.830	0.706	18.853	0.759
13.509	0.480	13.536	0.356	13.555	0.351	13.577	0.213	18.861	0.723	18.881	0.763	18.900	0.825	18.915	0.829
13.732	-0.179	13.756	-0.144	13.788	-0.055	13.819	0.043	18.934	0.900	18.960	0.891	18.989	0.811	19.018	0.726
13.846	0.003	13.875	-0.015	13.935	0.078	13.919	0.416	19.037	0.672	19.067	0.703	19.092	0.827	19.114	0.885
14.049	-0.145	14.069	-0.287	14.090	-0.287	14.109	-0.278	19.146	0.838	19.182	0.862	19.213	0.777	19.241	0.630
14.146	0.073	14.169	0.290	14.202	0.392	14.235	0.361	19.269	0.483	19.283	0.407	19.301	0.265	19.326	0.167
14.258	0.254	14.287	0.085	14.311	-0.146	14.323	-0.284	19.357	0.105	19.378	0.024	19.397	0.029	19.429	0.082
14.357	-0.400	14.391	-0.263	14.412	-0.152	14.426	-0.130	19.455	-0.055	19.480	-0.034	19.495	-0.070	19.515	-0.217
14.451	-0.067	14.480	-0.126	14.508	-0.121	14.546	-0.295	19.525	-0.128	19.542	-0.195	19.568	-0.080	19.581	-0.031
14.581	-0.478	14.597	-0.536	14.615	-0.553	14.650	-0.701	19.608	0.009	19.616	-0.067	19.634	-0.014	19.651	0.009
14.678	-0.830	14.699	-0.941	14.727	-0.937	14.739	-0.959	19.659	-0.045	19.677	-0.008	19.692	-0.032	19.710	0.021
14.764	-0.942	14.787	-0.875	14.816	-0.676	14.847	-0.485								



19.724	-0.023	19.736	-0.014	19.753	-0.081	19.771	-0.090	23.249	-0.987	23.259	-0.974	23.269	-0.960	23.278	-0.956
19.789	-0.228	19.814	-0.237	19.829	-0.300	19.847	-0.300	23.288	-0.947	23.304	-0.912	23.318	-0.880	23.329	-0.863
19.866	-0.269	19.890	-0.362	19.912	-0.434	19.925	-0.589	23.340	-0.858	23.348	-0.809	23.360	-0.747	23.375	-0.716
19.935	-0.589	19.960	-0.829	19.981	-0.932	20.001	-1.043	23.389	-0.671	23.405	-0.627	23.418	-0.574	23.432	-0.556
20.014	-1.079	20.028	-1.168	20.042	-1.177	20.061	-1.253	23.446	-0.458	23.456	-0.440	23.471	-0.405	23.486	-0.347
20.091	-1.279	20.120	-1.324	20.142	-1.271	20.168	-1.258	23.498	-0.303	23.513	-0.263	23.525	-0.214	23.537	-0.169
20.188	-1.302	20.210	-1.329	20.228	-1.320	20.249	-1.236	23.544	-0.120	23.554	-0.062	23.566	-0.005	23.576	-0.062
20.262	-1.227	20.270	-1.178	20.279	-1.170	20.304	-1.032	23.588	0.106	23.609	0.169	23.624	0.204	23.634	0.249
20.312	-1.032	20.323	-0.961	20.335	-0.957	20.358	-0.873	23.638	0.302	23.655	0.346	23.670	0.387	23.684	0.464
20.379	-0.762	20.393	-0.793	20.406	-0.722	20.412	-0.740	23.698	0.498	23.711	0.555	23.727	0.618	23.741	0.671
20.422	-0.665	20.430	-0.714	20.453	-0.670	20.469	-0.652	23.754	0.715	23.768	0.742	23.782	0.751	23.799	0.751
20.484	-0.608	20.497	-0.555	20.506	-0.590	20.525	-0.551	23.815	0.751	23.832	0.751	23.842	0.791	23.858	0.835
20.540	-0.480	20.554	-0.480	20.566	-0.467	20.581	-0.440	23.874	0.875	23.891	0.906	23.904	0.901	23.917	0.946
20.598	-0.360	20.612	-0.383	20.630	-0.303	20.643	-0.343	23.932	0.963	23.944	1.008	23.961	1.052	23.974	1.127
20.658	-0.197	20.681	-0.179	20.700	-0.059	20.722	-0.065	23.987	1.190	24.001	1.247	24.014	1.287	24.026	1.365
20.755	-0.007	20.776	-0.003	20.789	0.037	20.799	0.001	24.038	1.372	24.052	1.394	24.063	1.403	24.071	1.398
20.830	0.023	20.859	0.054	20.895	0.062	20.931	0.092	24.087	1.456	24.095	1.389	24.109	1.491	24.116	1.487
20.965	0.185	21.001	0.349	21.030	0.468	21.061	0.477	24.125	1.513	24.137	1.469	24.150	1.477	24.166	1.500
21.098	0.409	21.114	0.387	21.159	0.515	21.194	0.563	24.179	1.473	24.194	1.464	24.209	1.468	24.217	1.450
21.224	0.598	21.245	0.642	21.280	0.806	21.304	0.953	24.226	1.384	24.242	1.384	24.254	1.335	24.266	1.317
21.325	1.046	21.340	1.028	21.362	1.045	21.391	0.978	24.274	1.290	24.290	1.241	24.299	1.232	24.309	1.183
21.422	0.857	21.443	0.746	21.462	0.679	21.476	0.559	24.323	1.156	24.333	1.138	24.339	1.089	24.351	1.031
21.487	0.639	21.497	0.536	21.513	0.492	21.531	0.331	24.368	0.973	24.380	0.906	24.391	0.866	24.404	0.826
21.544	0.344	21.565	0.197	21.572	0.233	21.592	0.184	24.418	0.843	24.434	0.812	24.449	0.780	24.462	0.749
21.607	0.197	21.625	0.241	21.638	0.214	21.650	0.329	24.477	0.704	24.491	0.677	24.504	0.633	24.516	0.606
21.672	0.391	21.685	0.471	21.695	0.458	21.707	0.577	24.527	0.597	24.543	0.543	24.558	0.525	24.571	0.481
21.725	0.604	21.734	0.657	21.741	0.715	21.759	0.786	24.588	0.471	24.600	0.431	24.616	0.431	24.631	0.426
21.786	0.865	21.801	0.967	21.808	0.903	21.818	0.910	24.645	0.399	24.659	0.439	24.675	0.412	24.694	0.394
21.833	0.976	21.847	0.998	21.856	0.985	21.863	0.985	24.714	0.394	24.733	0.358	24.748	0.340	24.766	0.282
21.873	0.971	21.885	0.971	21.894	0.971	21.903	0.971	24.784	0.237	24.802	0.175	24.816	0.095	24.835	0.103
21.917	0.993	21.931	1.011	21.944	1.015	21.958	1.015	24.857	0.036	24.876	0.036	24.894	0.009	24.911	0.000
21.967	1.029	21.978	1.029	21.993	0.993	22.007	0.957	24.929	-0.027	24.946	-0.072	24.964	-0.094	24.982	-0.103
22.017	0.926	22.030	0.895	22.045	0.828	22.058	0.770	25.003	-0.148	25.020	-0.179	25.037	-0.277	25.060	-0.371
22.070	0.730	22.080	0.694	22.094	0.645	22.101	0.610	25.074	-0.460	25.089	-0.496	25.105	-0.620	25.122	-0.705
22.112	0.565	22.124	0.521	22.136	0.476	22.147	0.445	25.137	-0.785	25.154	-0.848	25.170	-0.897	25.188	-0.999
22.166	0.352	22.173	0.312	22.181	0.276	22.189	0.240	25.201	-1.062	25.221	-1.155	25.241	-1.205	25.257	-1.285
22.198	0.209	22.208	0.191	22.220	0.182	22.231	0.160	25.274	-1.285	25.289	-1.263	25.307	-1.245	25.322	-1.219
22.241	0.155	22.255	0.155	22.266	0.151	22.277	0.138	25.337	-1.165	25.355	-1.090	25.371	-1.076	25.386	-1.028
22.290	0.124	22.299	0.106	22.315	0.080	22.321	0.038	25.406	-0.957	25.424	-0.934	25.438	-0.908	25.456	-0.908
22.330	0.040	22.345	0.040	22.365	0.018	22.380	0.005	25.475	-0.895	25.484	-0.881	25.501	-0.899	25.519	-0.904
22.392	-0.005	22.406	-0.062	22.422	-0.098	22.434	-0.151	25.538	-0.895	25.549	-0.895	25.565	-0.895	25.580	-0.904
22.448	-0.200	22.463	-0.236	22.475	-0.280	22.490	-0.351	25.592	-0.895	25.606	-0.891	25.619	-0.891	25.631	-0.887
22.501	-0.418	22.514	-0.494	22.526	-0.565	22.540	-0.645	25.641	-0.869	25.649	-0.895	25.661	-0.904	25.676	-0.949
22.550	-0.698	22.559	-0.752	22.570	-0.805	22.582	-0.867	25.688	-1.007	25.703	-1.074	25.715	-1.114	25.730	-1.167
22.594	-0.920	22.603	-0.983	22.614	-1.036	22.623	-1.103	25.739	-1.207	25.752	-1.265	25.766	-1.283	25.779	-1.318
22.672	-1.405	22.683	-1.463	22.690	-1.521	22.704	-1.567	25.795	-1.332	25.808	-1.372	25.819	-1.398	25.835	-1.425
22.719	-1.552	22.733	-1.561	22.746	-1.592	22.755	-1.636	25.849	-1.430	25.863	-1.412	25.880	-1.416	25.897	-1.332
22.772	-1.538	22.789	-1.645	22.801	-1.601	22.811	-1.578	25.909	-1.505	25.920	-1.225	25.938	-1.141	25.955	-1.061
22.839	-1.525	22.856	-1.485	22.872	-1.458	22.884	-1.432	25.973	-0.972	25.987	-0.883	26.002	-0.839	26.017	-0.777
22.905	-1.418	22.922	-1.418	22.934	-1.432	22.940	-1.432	26.039	-0.679	26.056	-0.590	26.071	-0.497	26.088	-0.506
22.951	-1.489	22.967	-1.476	22.979	-1.534	22.991	-1.578	26.104	-0.470	26.123	-0.439	26.143	-0.386	26.161	-0.292
23.009	-1.574	23.025	-1.574	23.038	-1.578	23.049	-1.583	26.175	-0.226	26.190	-0.190	26.208	-0.132	26.226	-0.075
23.064	-1.564	23.078	-1.587	23.100	-1.534	23.123	-1.441	26.245	0.005	26.267	0.081	26.283	0.139	26.303	0.196
23.140	-1.387	23.156	-1.321	23.174	-1.236	23.187	-1.178	26.323	0.259	26.339	0.281	26.358	0.299	26.376	0.312
23.202	-1.134	23.216	-1.089	23.229	-1.045	23.238	-1.014	26.396	0.316	26.413	0.303	26.433	0.316	26.451	0.303
								26.474	0.294	26.495	0.272	26.513	0.254	26.535	0.218



26.556	0.187	26.578	0.151	26.597	0.120	26.616	0.125	30.415	1.350	30.434	1.323	30.453	1.274	30.474	1.212
26.639	0.138	26.657	0.124	26.674	0.120	26.695	0.115	30.494	1.167	30.512	1.127	30.527	1.096	30.547	1.056
26.717	0.138	26.737	0.151	26.758	0.195	26.780	0.262	30.565	1.002	30.587	1.011	30.609	0.967	30.628	0.900
26.801	0.346	26.818	0.426	26.835	0.449	26.858	0.489	30.650	0.842	30.668	0.779	30.689	0.739	30.701	0.673
26.881	0.595	26.904	0.675	26.925	0.746	26.943	0.848	30.720	0.606	30.743	0.539	30.761	0.472	30.781	0.401
26.959	0.911	26.982	1.008	27.000	1.088	27.017	1.146	30.803	0.325	30.823	0.267	30.845	0.182	30.867	0.071
27.033	1.186	27.048	1.244	27.068	1.293	27.083	1.324	30.884	0.030	30.904	-0.059	30.923	-0.130	30.944	-0.233
27.100	1.373	27.114	1.408	27.131	1.421	27.146	1.435	30.968	-0.282	30.988	-0.398	31.009	-0.469	31.028	-0.514
27.167	1.448	27.188	1.435	27.207	1.448	27.225	1.443	31.045	-0.576	31.060	-0.581	31.079	-0.621	31.105	-0.675
27.244	1.430	27.261	1.399	27.278	1.385	27.296	1.361	31.128	-0.711	31.151	-0.769	31.174	-0.818	31.192	-0.854
27.314	1.390	27.332	1.385	27.346	1.358	27.361	1.349	31.207	-0.934	31.225	-0.997	31.243	-1.035	31.263	-1.078
27.380	1.313	27.393	1.256	27.405	1.202	27.418	1.140	31.282	-1.326	31.302	-1.456	31.324	-1.603	31.347	-1.728
27.431	1.109	27.448	1.046	27.464	1.002	27.482	0.957	31.362	-1.830	31.380	-1.848	31.395	-1.893	31.413	-1.955
27.497	0.886	27.514	0.823	27.530	0.752	27.548	0.698	31.428	-1.987	31.438	-1.991	31.454	-2.014	31.465	-2.067
27.565	0.654	27.583	0.569	27.598	0.534	27.613	0.490	31.474	-2.045	31.485	-2.085	31.488	-1.979	31.498	-2.143
27.628	0.458	27.642	0.404	27.657	0.373	27.673	0.284	31.507	-2.050	31.515	-2.139	31.523	-2.064	31.533	-2.144
27.689	0.253	27.706	0.226	27.719	0.164	27.737	0.114	31.542	-2.108	31.548	-2.077	31.558	-2.135	31.571	-2.091
27.754	0.065	27.770	0.007	27.791	-0.033	27.808	-0.073	31.677	-1.973	31.691	-1.928	31.704	-1.875	31.718	-1.862
27.823	-0.114	27.843	-0.172	27.859	-0.208	27.875	-0.275	31.730	-1.800	31.744	-1.747	31.756	-1.765	31.772	-1.716
27.891	-0.288	27.907	-0.347	27.931	-0.396	27.949	-0.356	31.783	-1.685	31.796	-1.690	31.810	-1.655	31.823	-1.641
27.967	-0.401	27.982	-0.406	28.000	-0.406	28.018	-0.402	31.840	-1.624	31.855	-1.624	31.870	-1.589	31.882	-1.580
28.037	-0.416	28.054	-0.416	28.072	-0.425	28.090	-0.444	31.894	-1.571	31.912	-1.531	31.930	-1.483	31.951	-1.443
28.108	-0.493	28.129	-0.547	28.150	-0.596	28.169	-0.667	31.966	-1.403	31.980	-1.355	31.994	-1.315	32.008	-1.257
28.192	-0.748	28.210	-0.810	28.230	-0.886	28.246	-0.940	32.023	-1.200	32.044	-1.146	32.066	-1.080	32.083	-1.027
28.267	-1.052	28.291	-1.177	28.309	-1.235	28.327	-1.249	32.098	-0.952	32.122	-0.845	32.144	-0.788	32.164	-0.726
28.344	-1.325	28.361	-1.321	28.382	-1.330	28.402	-1.354	32.190	-0.628	32.211	-0.575	32.229	-0.518	32.253	-0.460
28.421	-1.398	28.441	-1.363	28.462	-1.341	28.482	-1.297	32.276	-0.389	32.307	-0.283	32.328	-0.270	32.346	-0.225
28.500	-1.275	28.517	-1.258	28.534	-1.227	28.558	-1.250	32.373	-0.172	32.397	-0.141	32.417	-0.119	32.429	-0.088
28.584	-1.282	28.605	-1.322	28.628	-1.363	28.653	-1.379	32.444	-0.084	32.463	-0.079	32.483	-0.039	32.500	-0.031
28.671	-1.404	28.690	-1.404	28.710	-1.396	28.734	-1.379	32.512	-0.004	32.518	0.018	32.529	0.018	32.542	0.045
28.755	-1.339	28.773	-1.317	28.790	-1.318	28.809	-1.304	32.557	0.089	32.569	0.120	32.580	0.151	32.593	0.209
28.824	-1.256	28.841	-1.225	28.857	-1.203	28.869	-1.141	32.602	0.231	32.613	0.266	32.626	0.320	32.642	0.391
28.882	-1.172	28.895	-1.154	28.907	-1.150	28.921	-1.141	32.650	0.395	32.664	0.444	32.675	0.479	32.686	0.493
28.939	-1.128	28.954	-1.106	28.967	-1.102	28.982	-1.107	32.697	0.537	32.709	0.586	32.718	0.595	32.734	0.648
28.995	-1.174	29.011	-1.134	29.031	-1.152	29.047	-1.170	32.749	0.674	32.762	0.710	32.781	0.745	32.797	0.808
29.063	-1.140	29.081	-1.091	29.099	-1.171	29.119	-1.153	32.812	0.852	32.826	0.892	32.842	0.932	32.857	0.994
29.137	-1.140	29.152	-1.091	29.171	-1.056	29.189	-1.007	32.874	1.047	32.892	1.136	32.919	1.243	32.937	1.296
29.205	-0.950	29.224	-0.905	29.240	-0.821	29.257	-0.768	32.952	1.249	32.969	1.389	32.982	1.442	32.994	1.477
29.276	-0.693	29.291	-0.662	29.308	-0.568	29.323	-0.515	33.009	1.473	33.031	1.496	33.035	1.491	33.050	1.478
29.340	-0.457	29.359	-0.404	29.377	-0.324	29.390	-0.271	33.063	1.487	33.077	1.491	33.090	1.473	33.105	1.455
29.410	-0.155	29.427	-0.124	29.440	-0.080	29.454	-0.035	33.116	1.482	33.129	1.473	33.142	1.473	33.157	1.451
29.469	0.014	29.488	0.085	29.501	0.098	29.514	0.134	33.176	1.433	33.191	1.410	33.207	1.361	33.226	1.312
29.534	0.178	29.553	0.191	29.574	0.245	29.592	0.294	33.239	1.295	33.252	1.241	33.259	1.286	33.268	1.214
29.616	0.356	29.636	0.449	29.659	0.565	29.675	0.605	33.283	1.188	33.300	1.161	33.315	1.134	33.327	1.108
29.699	0.684	29.722	0.747	29.738	0.818	29.752	0.853	33.341	1.072	33.356	1.081	33.368	1.059	33.381	1.027
29.770	0.938	29.788	1.013	29.806	1.123	29.823	1.236	33.396	1.014	33.412	0.996	33.425	0.965	33.440	0.934
29.837	1.289	29.854	1.324	29.873	1.405	29.891	1.493	33.456	0.912	33.468	0.894	33.483	0.858	33.499	0.823
29.909	1.560	29.932	1.622	29.954	1.640	29.962	1.653	33.518	0.760	33.533	0.698	33.545	0.671	33.563	0.654
29.979	1.596	29.984	1.618	29.991	1.582	29.998	1.618	33.569	0.527	33.582	0.587	33.599	0.569	33.611	0.551
30.008	1.565	30.022	1.582	30.042	1.547	30.056	1.511	33.627	0.516	33.647	0.480	33.665	0.449	33.685	0.413
30.071	1.485	30.083	1.458	30.095	1.476	30.107	1.436	33.699	0.382	33.718	0.320	33.736	0.289	33.757	0.244
30.118	1.400	30.135	1.405	30.145	1.396	30.157	1.365	33.773	0.209	33.795	0.129	33.812	0.111	33.825	0.111
30.173	1.378	30.184	1.347	30.190	1.329	30.201	1.360	33.843	0.075	33.852	0.040	33.869	0.017	33.886	-0.011
30.216	1.324	30.232	1.338	30.252	1.356	30.273	1.378	33.906	-0.085	33.923	-0.125	33.938	-0.147	33.955	-0.165
30.290	1.395	30.300	1.387	30.317	1.395	30.331	1.404								
30.352	1.404	30.363	1.395	30.377	1.382	30.394	1.373								



33.971	-0.214	33.982	-0.263	34.000	-0.334	34.015	-0.383	37.994	-1.172	38.021	-1.221	38.044	-1.208	38.067	-1.213
34.031	-0.459	34.049	-0.454	34.068	-0.494	34.086	-0.521	38.088	-1.190	38.109	-1.173	38.131	-1.151	38.150	-1.160
34.104	-0.532	34.126	-0.570	34.145	-0.570	34.163	-0.570	38.167	-1.160	38.180	-1.160	38.199	-1.156	38.222	-1.151
34.166	-0.606	34.181	-0.664	34.195	-0.708	34.210	-0.761	38.247	-1.151	38.270	-1.134	38.290	-1.129	38.315	-1.134
34.224	-0.766	34.239	-0.833	34.252	-0.846	34.266	-0.886	38.347	-1.125	38.370	-1.103	38.398	-1.094	38.429	-1.081
34.284	-0.913	34.301	-0.935	34.320	-0.948	34.339	-0.993	38.453	-1.063	38.479	-1.036	38.502	-1.037	38.533	-1.050
34.356	-0.998	34.371	-1.033	34.386	-1.051	34.398	-1.064	38.562	-1.010	38.589	-0.983	38.614	-0.970	38.643	-0.979
34.417	-1.056	34.434	-1.056	34.451	-1.042	34.464	-1.047	38.670	-0.975	38.698	-0.944	38.736	-0.895	38.779	-0.806
34.476	-1.047	34.490	-1.047	34.506	-1.056	34.521	-1.038	38.803	-0.811	38.824	-0.700	38.844	-0.682	38.856	-0.656
34.537	-1.043	34.550	-1.047	34.563	-1.047	34.581	-1.021	38.875	-0.607	38.896	-0.549	38.911	-0.527	38.923	-0.487
34.595	-1.021	34.602	-1.016	34.627	-1.048	34.645	-1.070	38.942	-0.452	38.965	-0.394	38.988	-0.337	39.004	-0.306
34.659	-1.101	34.678	-1.119	34.698	-1.124	34.716	-1.110	39.017	-0.275	39.039	-0.226	39.053	-0.186	39.067	-0.146
34.731	-1.093	34.747	-1.039	34.764	-0.946	34.777	-0.932	39.086	-0.098	39.114	-0.053	39.142	0.004	39.172	0.035
34.793	-0.884	34.813	-0.871	34.833	-0.898	34.851	-0.965	39.193	0.057	39.213	0.079	39.231	0.088	39.254	0.105
34.861	-1.086	34.877	-1.089	34.892	-1.130	34.905	-1.165	39.270	0.114	39.289	0.145	39.308	0.176	39.322	0.185
34.918	-1.206	34.935	-1.215	34.949	-1.233	34.966	-1.237	39.340	0.185	39.355	0.185	39.369	0.176	39.384	0.167
34.983	-1.237	35.001	-1.215	35.018	-1.193	35.031	-1.162	39.399	0.144	39.418	0.158	39.442	0.166	39.471	0.193
35.045	-1.154	35.064	-1.140	35.079	-1.141	35.096	-1.141	39.490	0.233	39.505	0.282	39.523	0.335	39.541	0.397
35.117	-1.119	35.137	-1.092	35.158	-1.057	35.173	-1.053	39.556	0.419	39.574	0.494	39.595	0.565	39.610	0.619
35.192	-1.044	35.210	-1.027	35.227	-0.969	35.246	-0.925	39.633	0.694	39.657	0.730	39.679	0.738	39.697	0.760
35.264	-0.876	35.276	-0.854	35.297	-0.805	35.317	-0.757	39.720	0.769	39.738	0.760	39.759	0.738	39.782	0.684
35.333	-0.735	35.354	-0.678	35.367	-0.664	35.390	-0.612	39.800	0.693	39.816	0.631	39.831	0.599	39.847	0.577
35.406	-0.581	35.418	-0.576	35.433	-0.546	35.448	-0.515	39.870	0.559	39.892	0.572	39.912	0.568	39.934	0.563
35.462	-0.484	35.477	-0.453	35.492	-0.422	35.507	-0.391	39.952	0.559	39.974	0.545	39.993	0.549	40.013	0.536
35.526	-0.369	35.544	-0.348	35.562	-0.317	35.584	-0.286	40.029	0.514	40.043	0.509	40.062	0.513	40.083	0.491
35.604	-0.233	35.624	-0.207	35.639	-0.180	35.662	-0.141	40.106	0.473	40.122	0.437	40.142	0.433	40.161	0.424
35.681	-0.119	35.699	-0.052	35.717	0.032	35.729	0.058	40.179	0.393	40.193	0.384	40.205	0.366	40.218	0.352
35.743	0.093	35.761	0.111	35.777	0.111	35.803	0.110	40.230	0.330	40.244	0.326	40.257	0.317	40.271	0.276
35.820	0.106	35.841	0.128	35.858	0.123	35.876	0.105	40.289	0.259	40.314	0.201				
35.894	0.074	35.915	0.051	35.933	0.029	35.951	0.028								
35.965	0.028	35.989	0.019	36.003	0.019	36.020	0.041								
36.038	0.054	36.057	0.094	36.076	0.125	36.091	0.187								
36.110	0.208	36.131	0.266	36.153	0.346	36.171	0.421								
36.185	0.479	36.201	0.505	36.220	0.536	36.239	0.554								
36.254	0.562	36.270	0.593	36.287	0.633	36.305	0.664								
36.320	0.686	36.344	0.681	36.359	0.681	36.376	0.690								
36.400	0.699	36.421	0.676	36.434	0.685	36.448	0.676								
36.472	0.654	36.492	0.658	36.515	0.644	36.538	0.645								
36.566	0.666	36.587	0.679	36.603	0.684	36.622	0.679								
36.641	0.688	36.659	0.679	36.675	0.678	36.698	0.656								
36.720	0.625	36.739	0.571	36.756	0.553	36.773	0.535								
36.792	0.535	36.811	0.539	36.828	0.544	36.849	0.561								
36.871	0.556	36.895	0.556	36.918	0.569	36.936	0.569								
36.956	0.564	36.975	0.569	36.991	0.542	37.009	0.524								
37.024	0.501	37.047	0.470	37.064	0.470	37.083	0.439								
37.100	0.438	37.117	0.420	37.132	0.394	37.149	0.358								
37.169	0.335	37.187	0.277	37.205	0.290	37.224	0.237								
37.242	0.210	37.261	0.174	37.281	0.134	37.299	0.094								
37.316	0.080	37.336	0.080	37.359	0.022	37.385	-0.001								
37.406	-0.059	37.423	-0.104	37.440	-0.148	37.461	-0.193								
37.489	-0.247	37.520	-0.274	37.550	-0.310	37.571	-0.337								
37.591	-0.319	37.612	-0.306	37.632	-0.297	37.653	-0.311								
37.683	-0.320	37.706	-0.352	37.723	-0.392	37.743	-0.455								
37.758	-0.455	37.775	-0.490	37.789	-0.526	37.809	-0.597								
37.831	-0.624	37.851	-0.718	37.869	-0.811	37.887	-0.887								
37.910	-0.931	37.929	-0.998	37.951	-1.056	37.975	-1.141								



2117

71.025 2/9/71 0600&ST L.A. 15250 VENTURA BLVD. ROOF

DCWN

3130 POINTS 40.301 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 0.2807 G/10.

[illegible]



2.806	0.548	2.816	0.405	2.823	0.160	2.835	-0.074	4.804	0.812	4.811	0.721	4.820	0.444	4.829	0.080
2.855	-0.157	2.865	-0.110	2.875	0.044	2.884	0.171	4.840	-0.165	4.848	-0.193	4.854	-0.142	4.865	-0.007
2.893	0.199	2.901	0.119	2.911	-0.095	2.926	-0.285	4.873	0.068	4.880	0.088	4.886	0.032	4.897	-0.383
2.936	-0.344	2.953	-0.154	2.960	-0.064	2.968	0.004	4.907	-0.826	4.913	-0.917	4.922	-0.842	4.931	-0.376
2.978	0.217	2.983	0.332	2.996	0.419	3.006	0.339	4.941	0.384	4.952	1.116	4.958	1.262	4.966	1.413
3.011	0.177	3.017	0.039	3.021	-0.025	3.025	-0.041	4.973	1.468	4.981	1.345	4.984	0.890	5.009	0.372
3.034	0.019	3.037	0.082	3.044	0.173	3.053	0.319	5.023	-0.277	5.030	-0.792	5.042	-1.286	5.048	-1.381
3.062	0.445	3.068	0.473	3.080	0.410	3.086	0.307	5.054	-1.302	5.066	-0.997	5.078	-0.764	5.090	-0.424
3.092	0.156	3.104	-0.236	3.111	-0.418	3.113	-0.317	5.104	-0.080	5.117	0.419	5.126	0.644	5.135	0.719
3.122	-0.604	3.135	-0.418	3.147	-0.240	3.165	-0.138	5.144	0.684	5.155	0.478	5.162	0.304	5.171	0.240
3.176	0.028	3.185	0.258	3.192	0.539	3.201	0.926	5.183	0.335	5.189	0.367	5.197	0.307	5.204	0.046
3.207	1.136	3.213	1.203	3.218	1.128	3.227	0.708	5.213	-0.334	5.218	-0.484	5.222	-0.539	5.231	-0.472
3.236	0.186	3.241	-0.143	3.248	-0.368	3.257	-0.673	5.243	-0.132	5.252	0.161	5.264	0.461	5.282	0.600
3.261	-0.693	3.270	-0.539	3.281	-0.183	3.290	0.110	5.299	-0.802	5.309	0.683	5.318	0.228	5.324	-0.219
3.296	0.221	3.306	0.438	3.320	0.577	3.326	0.592	5.338	-0.473	5.351	-0.215	5.360	0.137	5.369	0.726
3.317	-0.069	3.322	-0.331	3.326	-0.509	3.433	-0.615	5.374	1.019	5.386	1.181	5.392	1.055	5.399	0.671
3.334	0.454	3.338	0.244	3.343	0.121	3.355	-0.243	5.408	0.180	5.418	-0.283	5.426	-0.488	5.428	-0.615
3.361	-0.290	3.369	-0.172	3.375	0.153	3.383	0.536	5.438	-0.769	5.450	-0.492	5.459	0.097	5.465	0.675
3.390	0.805	3.395	0.837	3.401	0.746	3.410	0.334	5.473	1.134	5.478	1.395	5.488	1.628	5.502	1.162
3.417	-0.069	3.422	-0.331	3.426	-0.509	3.433	-0.615	5.511	0.623	5.522	-0.029	5.528	-0.334	5.538	-0.461
3.446	-0.260	3.458	0.381	3.467	0.737	3.474	0.812	5.548	-0.401	5.563	-0.397	5.580	-0.314	5.591	-0.294
3.479	0.884	3.485	0.789	3.496	0.428	3.505	-0.161	5.600	-0.294	5.612	-0.196	5.623	-0.037	5.631	0.255
3.520	-0.747	3.527	-0.969	3.535	-1.103	3.548	-0.933	5.637	0.441	5.651	0.544	5.662	0.623	5.668	0.568
3.559	-0.577	3.572	-0.099	3.582	0.463	3.588	0.487	5.674	0.287	5.682	0.141	5.688	0.089	5.695	0.105
3.598	0.336	3.604	0.297	3.614	0.352	3.622	0.388	5.704	0.473	5.713	-0.021	5.717	-0.021	5.748	0.244
3.629	0.340	3.639	0.095	3.643	-0.032	3.649	-0.135	5.754	0.018	5.765	0.540	5.771	0.572	5.781	0.651
3.655	-0.159	3.663	-0.072	3.671	0.086	3.679	0.442	5.795	0.323	5.805	0.073	5.814	0.042	5.824	0.041
3.691	0.838	3.694	0.878	3.699	0.771	3.706	0.395	5.832	-0.030	5.848	-0.057	5.857	-0.323	5.869	-0.453
3.713	-0.025	3.720	-0.421	3.727	-0.713	3.733	-0.836	5.878	-0.343	5.889	0.057	5.900	0.535	5.904	0.816
3.739	-0.785	3.744	-0.611	3.750	-0.298	3.758	0.018	5.919	0.319	5.919	0.737	5.928	0.381	5.937	0.637
3.767	0.149	3.773	0.153	3.787	0.066	3.802	-0.077	5.943	-0.023	5.955	0.108	5.963	0.167	5.972	0.317
3.814	0.053	3.825	0.552	3.834	0.896	3.842	1.011	5.977	0.337	5.985	0.282	5.990	0.198	5.994	0.171
3.848	0.928	3.860	0.401	3.872	-0.279	3.878	-0.711	6.004	0.206	6.018	0.147	6.027	0.269	6.033	0.368
3.884	-1.023	3.890	-1.063	3.897	-0.992	3.906	-0.509	6.038	0.396	6.049	0.313	6.056	0.182	6.063	0.107
3.914	-0.161	3.924	0.432	3.932	0.693	3.943	0.753	6.074	-0.048	6.078	-0.067	6.088	0.103	6.092	0.209
3.956	-0.626	3.964	0.448	3.973	0.068	3.982	-0.383	6.100	0.320	6.116	0.368	6.124	0.233	6.130	0.059
3.990	-0.625	3.994	-0.676	4.002	-0.597	4.012	-0.154	6.140	-0.048	6.152	-0.044	6.157	0.035	6.166	0.086
4.017	0.210	4.028	0.463	4.036	0.301	4.045	-0.063	6.179	0.015	6.191	-0.021	6.204	-0.092	6.215	-0.041
4.053	-0.384	4.059	-0.495	4.065	-0.435	4.072	-0.091	6.223	0.042	6.230	0.007	6.242	-0.263	6.257	-0.492
4.080	0.332	4.089	0.692	4.092	0.795	4.100	0.878	6.264	-0.508	6.274	-0.449	6.283	-0.291	6.295	-0.002
4.109	0.692	4.117	0.281	4.122	0.063	4.127	-0.099	6.306	0.227	6.312	0.247	6.318	0.188	6.327	-0.097
4.145	-0.365	4.160	-0.218	4.173	-0.017	4.180	0.217	6.343	-0.462	6.350	-0.509	6.356	-0.458	6.361	-0.371
4.185	0.371	4.193	0.430	4.208	0.228	4.218	0.098	6.380	-0.161	6.390	0.100	6.403	0.361	6.412	0.503
4.229	-0.025	4.243	0.137	4.250	0.169	4.273	0.109	6.425	0.321	6.435	0.012	6.444	-0.305	6.451	-0.447
4.279	0.002	4.292	-0.223	4.306	-0.322	4.312	-0.291	6.456	-0.530	6.459	-0.550	6.467	-0.511	6.478	-0.337
4.330	0.120	4.341	0.334	4.357	0.429	4.373	0.346	6.485	-0.313	6.497	-0.357	6.501	-0.357	6.515	-0.250
4.388	0.310	4.405	0.167	4.417	0.064	4.430	-0.134	6.530	0.133	6.543	0.268	6.559	0.944	6.567	0.964
4.441	-0.316	4.447	-0.340	4.458	-0.225	4.467	0.008	6.580	1.015	6.588	0.304	6.597	0.477	6.606	0.085
4.476	0.527	4.485	1.045	4.492	1.179	4.498	1.088	6.610	-0.010	6.622	-0.137	6.632	-0.157	6.648	-0.031
4.508	0.408	4.515	-0.127	4.523	-0.621	4.528	-0.906	6.659	0.025	6.668	0.017	6.674	-0.082	6.685	-0.391
4.536	-1.045	4.544	-0.946	4.551	-0.808	4.561	-0.384	6.694	-0.779	6.700	-0.830	6.714	-0.625	6.721	-0.498
4.571	-0.119	4.582	0.035	4.594	0.177	4.605	0.359	6.731	-0.135	6.737	0.079	6.745	-0.138	6.752	0.150
4.614	0.391	4.626	0.315	4.634	0.129	4.643	-0.100	6.762	0.059	6.768	-0.024	6.777	-0.246	6.785	-0.329
4.646	-0.255	4.654	-0.310	4.662	-0.199	4.668	-0.006	6.797	-0.290	6.807	-0.357	6.813	-0.456	6.822	-0.504
4.683	0.204	4.693	0.129	4.702	-0.057	4.710	-0.362	6.829	-0.460	6.836	-0.310	6.840	-0.176	6.850	0.188
4.723	-0.497	4.738	-0.445	4.750	-0.469	4.760	-0.414	6.859	0.568	6.867	0.714	6.874	0.864	6.878	0.916
4.767	-0.287	4.780	0.069	4.789	0.504	4.796	0.777								



6.888	0.852	6.901	0.582	6.912	0.338	6.918	0.211	8.984	-0.607	8.993	-0.651	8.999	-0.703	9.008	-0.734
6.929	-0.066	6.938	-0.276	6.945	-0.331	6.954	-0.272	9.018	-0.616	9.025	-0.410	9.031	-0.232	9.043	0.088
6.959	0.019	6.972	0.551	6.984	0.934	6.989	1.009	9.049	0.302	9.059	0.420	9.072	0.352	9.086	0.503
6.996	1.072	7.001	1.017	7.010	0.692	7.015	0.475	9.097	0.515	9.110	0.574	9.118	0.494	9.127	0.158
7.024	0.154	7.032	-0.162	7.042	-0.293	7.051	-0.175	9.136	-0.226	9.143	-0.511	9.151	-0.661	9.161	-0.709
7.056	-0.028	7.064	0.019	7.070	-0.052	7.078	-0.298	9.167	-0.622	9.178	-0.381	9.191	-0.029	9.200	0.185
7.093	-0.500	7.105	-0.310	7.110	0.066	7.114	0.352	9.212	0.271	9.220	0.287	9.226	0.074	9.235	0.259
7.121	0.584	7.129	0.628	7.137	0.517	7.153	0.073	9.244	0.204	9.252	0.097	9.264	-0.074	9.273	-0.189
7.163	-0.937	7.179	-0.592	7.194	-0.861	7.202	-0.932	9.280	-0.201	9.292	-0.023	9.306	0.361	9.316	0.677
7.209	-0.925	7.223	-0.691	7.233	0.195	7.248	0.962	9.324	0.792	9.330	0.764	9.337	0.562	9.343	0.285
7.251	1.172	7.257	1.196	7.265	1.061	7.279	0.404	9.351	-0.008	9.363	-0.170	9.373	-0.127	9.378	0.055
7.290	-0.142	7.304	-0.447	7.314	-0.226	7.322	-0.056	9.388	0.427	9.400	0.775	9.411	0.878	9.421	0.743
7.335	0.744	7.343	0.775	7.351	0.961	7.361	1.064	9.426	0.513	9.434	0.216	9.438	-0.108	9.444	-0.409
7.372	0.996	7.386	0.628	7.399	0.213	7.412	-0.080	9.450	-0.729	9.456	-0.955	9.464	-0.999	9.473	-0.864
7.416	-0.100	7.424	-0.009	7.435	0.497	7.444	0.956	9.480	-0.734	9.490	-0.338	9.501	0.057	9.508	0.136
7.453	1.185	7.458	1.201	7.464	1.130	7.474	0.543	9.521	-0.046	9.534	-0.509	9.545	-0.869	9.560	-1.008
7.483	0.136	7.491	-0.410	7.495	-0.560	7.503	-0.695	9.576	-0.731	9.584	-0.645	9.593	-0.439	9.602	-0.035
7.507	-0.675	7.521	-0.533	7.525	-0.535	7.531	-0.632	9.610	0.261	9.616	0.336	9.626	0.273	9.641	0.217
7.540	-0.897	7.548	-1.071	7.561	-1.356	7.569	-1.416	9.654	0.173	9.671	0.193	9.677	0.157	9.684	0.145
7.580	-1.372	7.588	-1.325	7.593	-1.218	7.602	-0.827	9.693	0.208	9.700	0.378	9.704	0.493	9.710	0.639
7.608	-0.395	7.617	0.186	7.625	0.732	7.634	1.128	9.719	0.643	9.725	0.710	9.731	0.481	9.740	-0.006
7.639	1.143	7.648	1.104	7.661	0.910	7.671	0.819	9.746	-0.429	9.757	-0.976	9.762	-1.087	9.766	-1.087
7.679	0.747	7.687	0.593	7.700	0.300	7.709	0.051	9.773	-1.051	9.786	-0.565	9.796	-0.169	9.802	0.159
7.715	0.011	7.723	0.137	7.730	0.300	7.735	0.331	9.812	0.413	9.835	0.508	9.841	0.500	9.853	0.642
7.743	0.177	7.752	-0.282	7.761	-0.670	7.771	-0.927	9.859	-0.618	9.864	0.610	9.876	0.511	9.884	0.484
7.774	-0.947	7.783	-0.892	7.791	-0.726	7.795	-0.456	9.895	0.487	9.905	0.341	9.923	0.179	9.936	-0.055
7.810	0.038	7.818	0.540	7.828	0.691	7.842	0.627	9.948	-0.098	9.962	-0.075	9.977	0.044	9.984	0.060
7.851	0.508	7.863	0.224	7.870	0.113	7.881	0.105	9.993	0.012	10.013	0.036	10.019	0.060	10.031	-0.027
7.889	0.018	7.900	-0.267	7.911	-0.647	7.920	-0.865	10.043	-0.182	10.049	-0.217	10.065	-0.119	10.078	0.111
7.926	-0.900	7.936	-0.869	7.946	-0.889	7.956	-0.821	10.091	-0.182	10.096	0.190	10.109	0.059	10.121	-0.127
7.973	-0.588	7.989	-0.149	8.004	0.326	8.019	0.864	10.132	-0.206	10.147	0.024	10.160	0.340	10.170	0.569
8.030	0.919	8.042	0.876	8.051	0.709	8.061	0.270	10.179	0.894	10.190	1.005	10.199	0.965	10.213	0.688
8.069	0.021	8.081	-0.078	8.095	-0.007	8.105	0.076	10.226	0.320	10.236	0.015	10.248	-0.388	10.259	-0.657
8.119	-0.003	8.125	0.017	8.144	0.345	8.153	0.610	10.266	-0.824	10.271	-0.859	10.288	-0.661	10.300	-0.464
8.165	0.737	8.174	0.582	8.186	0.246	8.194	0.115	10.321	-0.258	10.346	0.015	10.372	0.201	10.387	0.170
8.199	-0.007	8.206	-0.110	8.215	-0.154	8.227	-0.059	10.395	0.094	10.406	-0.111	10.418	-0.360	10.431	-0.444
8.239	0.060	8.250	-0.035	8.254	-0.158	8.263	-0.261	10.441	-0.376	10.450	-0.262	10.464	-0.151	10.476	-0.170
8.269	-0.285	8.276	-0.245	8.287	-0.055	8.297	0.190	10.491	-0.107	10.501	-0.044	10.514	0.202	10.524	0.277
8.305	0.242	8.314	0.154	8.321	-0.214	8.331	-0.613	10.532	0.146	10.542	0.055	10.550	0.035	10.565	0.142
8.338	-0.756	8.342	-0.704	8.356	-0.309	8.368	-0.048	10.576	0.324	10.591	0.467	10.603	0.328	10.611	0.198
8.377	0.004	8.387	-0.115	8.399	-0.269	8.411	-0.471	10.621	-0.146	10.627	-0.419	10.643	-0.592	10.655	-0.431
8.419	-0.748	8.428	-0.942	8.432	-0.958	8.442	-0.928	10.661	-0.328	10.673	0.063	10.680	0.372	10.689	0.590
8.446	-0.661	8.456	-0.309	8.463	0.039	8.470	0.407	10.694	0.617	10.701	0.578	10.711	0.348	10.717	0.178
8.478	0.648	8.487	0.897	8.496	0.932	8.505	0.934	10.726	0.143	10.737	1.092	10.746	0.447	10.759	0.887
8.516	0.675	8.528	0.509	8.537	0.327	8.546	0.272	10.763	1.037	10.772	1.092	10.782	0.954	10.790	0.538
8.555	0.378	8.563	0.640	8.572	0.770	8.576	0.778	10.802	-0.031	10.816	-0.653	10.828	-1.032	10.834	-1.096
8.594	0.588	8.600	0.351	8.611	-0.029	8.619	-0.255	10.848	-0.696	10.862	-0.194	10.874	0.412	10.884	0.598
8.622	-0.322	8.632	-0.413	8.644	-0.342	8.656	-0.093	10.896	0.396	10.902	0.230	10.906	0.068	10.910	-0.166
8.671	0.105	8.680	0.148	8.694	0.164	8.707	0.302	10.916	-0.399	10.919	-0.546	10.928	-0.637	10.940	-0.494
8.718	0.381	8.724	0.385	8.734	0.358	8.742	0.243	10.946	-0.332	10.951	-0.182	10.958	-0.107	10.958	0.000
8.754	0.001	8.764	-0.323	8.775	-0.561	8.784	-0.758	10.964	-0.143	10.969	0.265	10.973	0.361	10.981	0.388
8.792	-0.850	8.804	-0.739	8.811	-0.498	8.822	-0.118	10.991	0.384	11.002	0.285	11.009	0.182	11.020	0.230
8.840	0.424	8.850	0.570	8.861	0.617	8.870	0.514	11.028	0.281	11.035	0.285	11.044	0.281	11.054	0.166
8.877	0.340	8.886	0.106	8.893	0.003	8.899	-0.048	11.068	-0.016	11.077	-0.087	11.088	-0.012	11.097	0.079
8.906	-0.068	8.913	-0.036	8.926	0.070	8.934	-0.005	11.106	0.064	11.114	0.119	11.121	0.214	11.131	0.269
8.943	-0.215	8.952	-0.441	8.958	-0.540	8.978	-0.627	11.141	0.301	11.161	0.127	11.172	-0.023	11.181	-0.099



11.196	0.008	11.205	0.087	11.215	0.127	11.227	0.072	14.713	0.251	14.734	0.192	14.759	0.270	14.780	0.385
11.241	-0.047	11.248	-0.087	11.262	-0.031	11.271	0.036	14.817	0.396	14.836	0.309	14.855	0.103	14.868	-0.043
11.277	0.131	11.280	0.198	11.289	0.210	11.304	0.222	14.884	-0.091	14.901	0.055	14.931	0.158	14.945	0.063
11.315	0.143	11.323	0.040	11.333	0.008	11.346	0.060	14.960	-0.005	14.970	-0.088	14.995	-0.128	15.010	-0.207
11.334	0.147	11.359	0.226	11.368	0.420	11.371	0.487	15.034	-0.113	15.049	0.018	15.060	-0.002	15.071	-0.081
11.380	0.052	11.397	0.586	11.406	0.518	11.414	0.277	15.092	-0.010	15.101	0.033	15.115	-0.019	15.143	0.234
11.426	0.055	11.432	-0.059	11.441	-0.103	11.455	-0.004	15.155	0.294	15.179	0.210	15.200	0.127	15.213	0.222
11.467	0.174	11.478	0.277	11.490	0.186	11.503	-0.060	15.226	0.146	15.235	0.020	15.247	0.043	15.269	-0.151
11.516	-0.174	11.527	-0.075	11.534	0.091	11.545	-0.245	15.285	-0.021	15.306	0.189	15.330	0.311	15.348	0.197
11.561	0.348	11.572	0.249	11.582	0.024	11.599	0.349	15.360	0.074	15.375	-0.005	15.390	-0.093	15.417	0.141
11.612	-0.523	11.624	-0.610	11.641	-0.439	11.651	-0.226	15.432	0.437	15.449	0.627	15.465	0.397	15.480	0.025
11.662	-0.032	11.681	0.087	11.692	0.011	11.700	0.099	15.487	-0.157	15.501	-0.291	15.518	-0.074	15.540	0.167
11.710	-0.159	11.722	-0.024	11.733	0.201	11.754	0.379	15.557	0.001	15.584	-0.106	15.608	-0.024	15.635	0.103
11.769	0.245	11.783	0.102	11.803	0.157	11.822	0.221	15.660	-0.150	15.673	-0.336	15.687	-0.407	15.708	-0.277
11.834	0.363	11.846	0.458	11.858	0.268	11.867	0.082	15.732	-0.163	15.756	-0.155	15.783	-0.032	15.808	-0.031
11.879	-0.064	11.893	0.031	11.906	0.248	11.912	0.410	15.827	-0.100	15.838	-0.270	15.856	-0.409	15.880	-0.254
11.921	0.497	11.933	0.347	11.950	0.022	11.965	-0.136	15.903	-0.005	15.923	-0.092	15.960	-0.191	15.990	-0.108
11.985	-0.195	12.005	-0.021	12.013	0.149	12.025	0.469	16.008	-0.025	16.023	-0.141	16.042	-0.097	16.056	-0.275
12.039	0.592	12.052	0.374	12.060	0.069	12.069	-0.152	16.065	-0.378	16.084	-0.144	16.105	-0.042	16.122	-0.144
12.084	-0.279	12.099	-0.113	12.108	0.069	12.115	0.251	16.133	-0.026	16.142	-0.089	16.160	0.045	16.190	-0.046
12.121	0.413	12.144	0.651	12.165	0.761	12.197	0.603	16.210	-0.204	16.254	-0.003	16.296	-0.102	16.313	-0.019
12.216	-0.433	12.239	0.108	12.259	-0.311	12.276	-0.596	16.365	0.048	16.395	-0.039	16.423	0.076	16.460	0.285
12.292	-0.723	12.308	-0.541	12.318	-0.236	12.327	0.037	16.485	0.088	16.509	-0.083	16.526	0.064	16.545	0.206
12.339	0.155	12.355	0.053	12.372	-0.098	12.391	-0.133	16.566	0.067	16.581	-0.107	16.595	-0.198	16.611	-0.028
12.405	0.609	12.418	0.258	12.436	0.452	12.451	0.226	16.626	0.202	16.668	0.301	16.668	0.122	16.685	0.039
12.462	-0.086	12.474	-0.276	12.492	-0.126	12.507	0.167	16.718	0.154	16.738	0.102	16.753	0.122	16.795	0.047
12.523	0.519	12.540	0.658	12.553	0.543	12.566	0.254	16.821	0.074	16.849	0.106	16.887	0.007	16.914	0.078
12.575	-0.086	12.584	-0.439	12.596	-0.569	12.609	-0.462	16.938	-0.034	16.959	0.058	16.996	-0.093	17.029	-0.018
12.618	-0.217	12.634	-0.075	12.646	-0.130	12.653	0.237	17.061	-0.125	17.091	-0.276	17.114	-0.113	17.146	0.064
12.663	-0.292	12.681	-0.138	12.693	-0.031	12.704	0.060	17.191	-0.094	17.233	-0.083	17.262	-0.174	17.293	-0.004
12.722	-0.099	12.740	-0.221	12.761	-0.174	12.781	-0.348	17.320	-0.174	17.364	-0.043	17.385	-0.143	17.385	-0.019
12.807	-0.526	12.827	-0.463	12.851	-0.332	12.873	-0.435	17.413	0.165	17.438	0.066	17.452	-0.025	17.467	-0.077
12.888	-0.503	12.903	-0.340	12.918	-0.071	12.942	0.055	17.490	0.022	17.512	0.125	17.538	0.065	17.574	0.191
12.962	-0.024	12.979	-0.175	13.007	-0.092	13.022	0.086	17.601	0.049	17.650	-0.066	17.650	0.060	17.677	0.135
13.038	0.189	13.060	0.126	13.089	0.201	13.110	0.098	17.700	0.052	17.740	0.142	17.766	0.047	17.782	0.003
13.128	-0.025	13.143	-0.092	13.160	-0.011	13.179	0.090	17.806	-0.134	17.830	0.236	17.847	0.153	17.867	0.003
13.200	-0.116	13.212	-0.346	13.225	-0.456	13.237	-0.397	17.880	-0.033	17.905	0.133	17.930	0.287	17.953	0.219
13.257	-0.199	13.294	-0.196	13.320	-0.010	13.339	0.196	17.982	0.108	18.031	0.247	18.064	0.183	18.090	0.317
13.357	0.295	13.377	0.140	13.387	-0.058	13.408	-0.204	18.123	0.412	18.149	0.364	18.176	0.238	18.195	0.313
13.420	-0.070	13.434	0.013	13.459	-0.161	13.474	-0.252	18.217	0.427	18.248	0.308	18.271	0.205	18.306	0.134
13.495	0.025	13.506	0.266	13.520	0.400	13.542	0.222	18.336	0.110	18.364	0.026	18.404	-0.187	18.424	-0.093
13.564	-0.007	13.605	-0.273	13.631	-0.095	13.666	0.024	18.451	0.034	18.467	-0.065	18.493	-0.148	18.514	-0.200
13.691	-0.143	13.719	-0.313	13.739	-0.099	13.750	0.185	18.531	-0.378	18.549	-0.350	18.566	-0.208	18.575	-0.232
13.763	0.304	13.775	0.213	13.794	-0.092	13.808	-0.214	18.584	-0.113	18.592	-0.161	18.600	-0.094	18.607	-0.189
13.819	-0.096	13.831	0.110	13.846	0.189	13.866	0.042	18.613	-0.149	18.620	-0.220	18.630	-0.177	18.640	-0.315
13.879	-0.100	13.895	-0.144	13.914	0.042	13.926	0.173	18.666	-0.375	18.678	-0.474	18.685	-0.450	18.700	-0.620
13.941	0.228	13.956	0.165	13.972	0.002	13.989	-0.144	18.720	-0.506	18.736	-0.312	18.750	-0.146	18.759	-0.170
14.011	-0.049	14.025	0.149	14.036	0.335	14.051	0.414	18.767	-0.059	18.778	-0.023	18.792	-0.138	18.815	-0.234
14.067	0.236	14.078	0.069	14.096	-0.010	14.109	0.160	18.844	-0.289	18.867	-0.206	18.885	-0.131	18.929	-0.171
14.123	0.405	14.139	0.556	14.164	0.370	14.187	0.196	18.966	-0.069	18.998	-0.089	19.006	-0.164	19.012	-0.275
14.210	0.350	14.234	0.500	14.252	0.377	14.273	0.116	19.030	-0.323	19.046	-0.263	19.066	-0.125	19.092	-0.034
14.282	-0.090	14.299	-0.181	14.318	-0.090	14.330	0.013	19.114	-0.126	19.129	-0.165	19.148	-0.075	19.169	0.040
14.348	-0.106	14.364	-0.193	14.388	0.016	14.401	0.151	19.207	0.000	19.227	0.126	19.249	0.249	19.274	0.110
14.418	0.242	14.444	0.115	14.469	-0.067	14.492	-0.171	19.303	0.023	19.337	0.058	19.357	0.173	19.373	0.347
14.519	-0.052	14.553	0.169	14.569	0.304	14.594	0.371	19.387	0.279	19.397	0.442	19.416	0.338	19.433	0.410
14.619	0.264	14.645	0.414	14.662	0.323	14.683	0.180	19.448	0.231	19.453	0.299	19.459	0.227	19.467	0.405



19.474	0.235	15.480	0.089	19.487	0.164	15.500	0.085	22.310	0.103	22.320	0.103	22.329	0.095	22.346	0.123
19.509	0.191	19.527	0.017	19.547	0.151	19.575	0.151	22.352	0.115	22.372	0.079	22.382	0.079	22.394	0.075
19.590	0.290	19.605	0.195	19.613	0.234	19.628	0.088	22.406	0.087	22.418	0.072	22.431	0.036	22.442	-0.027
19.643	0.044	19.654	0.143	19.665	0.060	19.692	0.194	22.450	-0.067	22.459	-0.122	22.466	-0.166	22.470	-0.182
19.703	0.111	19.742	0.233	19.754	0.060	19.763	0.209	22.479	-0.194	22.484	-0.182	22.496	-0.134	22.505	-0.107
19.779	-0.032	19.794	-0.195	19.816	-0.167	19.830	-0.001	22.516	-0.067	22.522	-0.035	22.528	-0.012	22.542	-0.012
19.844	0.133	19.860	0.157	19.872	0.117	19.885	-0.033	22.554	-0.012	22.560	-0.016	22.569	0.004	22.585	-0.004
19.894	-0.013	19.905	-0.160	19.914	-0.223	19.934	-0.033	22.597	-0.004	22.605	-0.008	22.615	-0.027	22.626	-0.079
19.947	0.042	19.962	0.129	19.984	0.046	20.006	-0.125	22.634	-0.099	22.644	-0.134	22.656	-0.099	22.665	-0.142
20.031	-0.081	20.057	0.010	20.076	0.132	20.095	0.231	22.679	-0.110	22.689	-0.079	22.697	-0.051	22.705	-0.083
20.112	0.199	20.146	0.183	20.183	0.025	20.195	0.060	22.712	-0.110	22.719	-0.170	22.731	-0.051	22.739	-0.107
20.221	-0.067	20.245	-0.134	20.265	-0.043	20.280	0.064	22.748	-0.166	22.755	-0.083	22.763	-0.035	22.769	-0.095
20.295	-0.087	20.320	-0.032	20.333	0.122	20.345	0.015	22.778	-0.198	22.787	-0.138	22.795	-0.095	22.807	-0.043
20.365	0.070	20.379	0.138	20.402	-0.005	20.414	-0.128	22.813	-0.023	22.824	-0.061	22.833	-0.103	22.839	-0.146
20.424	-0.065	20.437	-0.144	20.455	-0.045	20.472	-0.133	22.845	-0.202	22.850	-0.261	22.859	-0.225	22.868	-0.205
20.487	-0.062	20.507	0.104	20.519	-0.121	20.528	-0.018	22.879	-0.221	22.890	-0.166	22.897	-0.103	22.916	-0.126
20.546	-0.126	20.557	-0.142	20.569	-0.059	20.576	-0.189	22.927	-0.047	22.938	0.032	22.952	0.064	22.958	0.072
20.589	-0.007	20.598	-0.067	20.612	0.012	20.627	-0.091	22.972	-0.008	22.982	-0.027	22.994	-0.051	23.009	-0.067
20.640	-0.000	20.648	-0.052	20.674	0.051	20.688	0.114	23.024	-0.087	23.036	-0.095	23.048	-0.091	23.054	-0.079
20.700	0.059	20.713	0.181	20.726	0.066	20.741	0.114	23.065	-0.039	23.071	-0.019	23.083	-0.039	23.100	-0.027
20.761	-0.049	20.779	-0.037	20.817	-0.192	20.845	-0.094	23.114	-0.031	23.126	-0.027	23.137	0.016	23.146	0.064
20.864	-0.133	20.886	-0.142	20.918	-0.309	20.942	-0.273	23.155	0.119	23.163	0.147	23.175	0.147	23.187	0.143
20.963	-0.341	21.008	-0.286	21.035	-0.152	21.065	-0.089	23.197	0.103	23.210	0.064	23.220	0.024	23.233	0.000
21.091	-0.161	21.105	-0.217	21.133	-0.039	21.155	-0.036	23.250	0.024	23.263	0.024	23.269	0.032	23.280	0.024
21.192	0.099	21.227	-0.036	21.249	-0.084	21.276	-0.045	23.300	-0.008	23.316	0.016	23.335	0.044	23.344	0.044
21.310	-0.097	21.325	-0.129	21.344	-0.050	21.366	-0.177	23.360	0.044	23.374	0.000	23.385	-0.027	23.446	-0.008
21.406	-0.154	21.433	-0.126	21.453	0.039	21.463	0.008	23.405	-0.110	23.419	-0.083	23.431	-0.027	23.446	-0.008
21.465	0.047	21.470	0.102	21.474	0.138	21.487	0.130	23.458	-0.004	23.468	0.008	23.485	-0.019	23.495	-0.063
21.479	0.063	21.481	0.003	21.483	-0.032	21.487	-0.068	23.504	-0.110	23.516	-0.166	23.524	-0.190	23.531	0.198
21.493	-0.040	21.496	-0.021	21.502	-0.060	21.505	-0.120	23.545	-0.142	23.558	-0.087	23.571	-0.019	23.581	0.008
21.510	-0.159	21.517	-0.199	21.525	-0.159	21.528	-0.049	23.588	0.032	23.596	0.040	23.606	-0.052	23.618	0.012
21.534	0.003	21.537	-0.069	21.541	-0.144	21.546	-0.215	23.636	-0.051	23.646	-0.114	23.653	-0.166	23.660	-0.194
21.554	-0.191	21.562	-0.168	21.565	-0.164	21.571	-0.124	23.670	-0.202	23.680	-0.190	23.694	-0.142	23.708	-0.083
21.577	-0.098	21.582	-0.113	21.589	-0.137	21.598	-0.081	23.720	-0.012	23.735	0.064	23.745	0.091	23.756	0.111
21.604	0.037	21.609	0.017	21.618	-0.030	21.627	-0.022	23.770	0.079	23.783	0.032	23.797	0.004	23.813	0.020
21.635	-0.018	21.647	0.017	21.652	-0.023	21.663	0.001	23.822	0.055	23.837	0.127	23.846	0.174	23.858	0.206
21.670	-0.043	21.679	0.100	21.687	-0.083	21.697	0.012	23.868	0.206	23.880	0.170	23.889	0.103	23.903	0.007
21.702	0.068	21.708	0.111	21.716	0.158	21.724	0.198	23.913	-0.036	23.925	-0.088	23.936	-0.115	23.953	-0.036
21.729	0.233	21.743	0.182	21.753	0.166	21.763	0.150	23.967	0.031	23.977	0.082	23.984	0.145	23.995	0.181
21.769	0.154	21.775	0.181	21.779	0.213	21.786	0.229	24.003	0.201	24.010	0.213	24.024	0.177	24.036	0.106
21.792	0.217	21.801	0.169	21.807	0.149	21.814	0.126	24.049	0.046	24.062	0.014	24.074	-0.017	24.087	0.030
21.820	0.138	21.828	0.149	21.833	0.134	21.842	0.086	24.099	0.006	24.120	0.058	24.129	0.018	24.147	0.030
21.848	0.106	21.852	0.125	21.856	0.125	21.862	0.102	24.159	-0.018	24.168	0.030	24.177	0.049	24.189	0.033
21.868	0.062	21.877	0.018	21.888	0.022	21.898	0.010	24.194	0.014	24.208	0.069	24.223	0.077	24.238	0.073
21.909	0.002	21.912	-0.017	21.919	-0.025	21.925	-0.002	24.250	-0.019	24.253	0.061	24.266	-0.003	24.277	0.013
21.968	0.121	21.976	0.141	21.984	0.117	21.994	0.101	24.297	-0.018	24.306	-0.051	24.316	-0.082	24.329	-0.114
22.005	0.034	22.015	-0.010	22.027	-0.058	22.040	-0.081	24.347	-0.019	24.359	-0.103	24.372	-0.091	24.394	-0.099
22.043	-0.101	22.052	-0.109	22.061	-0.082	22.073	-0.058	24.415	-0.115	24.424	-0.119	24.446	-0.084	24.461	-0.072
22.113	0.163	22.115	0.175	22.099	0.080	22.108	0.152	24.470	-0.088	24.488	-0.148	24.502	-0.204	24.512	-0.239
22.133	0.242	22.141	0.219	22.121	0.163	22.127	0.231	24.532	-0.180	24.551	-0.125	24.562	-0.078	24.572	-0.066
22.165	0.052	22.174	0.005	22.148	0.163	22.156	0.104	24.590	-0.074	24.603	-0.090	24.621	-0.122	24.638	-0.130
22.194	-0.098	22.201	-0.106	22.181	-0.035	22.188	-0.078	24.654	-0.142	24.675	-0.147	24.699	-0.135	24.718	-0.084
22.236	-0.059	22.245	-0.047	22.225	-0.106	22.232	-0.082	24.732	-0.072	24.746	-0.065	24.759	-0.073	24.775	-0.101
22.276	0.016	22.285	0.040	22.255	-0.023	22.266	-0.004	24.795	-0.065	24.813	0.002	24.824	0.045	24.844	0.065
				22.293	0.068	22.302	0.087	24.865	-0.076	24.877	-0.072	24.892	0.001	24.904	-0.051
								24.916	-0.071	24.935	-0.059	24.951	-0.027	24.969	0.012



24.988	0.047	25.006	0.071	25.015	0.114	25.024	0.146	28.006	-0.151	28.021	-0.092	28.033	-0.045	28.047	-0.017
25.035	0.173	25.044	0.185	25.056	0.201	25.068	0.185	28.056	-0.010	28.067	-0.006	28.082	-0.030	28.096	-0.042
25.082	0.141	25.097	0.093	25.113	0.046	25.127	0.006	28.108	-0.050	28.126	-0.035	28.140	-0.003	28.153	0.036
25.135	-0.014	25.141	-0.026	25.154	0.006	25.171	0.033	28.168	0.056	28.188	0.035	28.206	0.005	28.225	0.047
25.183	0.049	25.192	0.057	25.211	0.037	25.228	0.017	28.240	0.011	28.249	-0.017	28.260	-0.025	28.277	-0.002
25.246	-0.011	25.262	-0.019	25.279	-0.019	25.298	-0.039	28.291	0.049	28.305	0.128	28.315	0.187	28.320	0.211
25.319	-0.055	25.334	-0.071	25.348	-0.087	25.365	-0.111	28.329	0.231	28.338	0.227	28.345	0.218	28.359	0.175
25.370	-0.135	25.382	-0.099	25.397	-0.052	25.408	-0.028	28.368	0.139	28.377	0.115	28.386	0.111	28.396	0.122
25.417	-0.040	25.432	-0.075	25.445	-0.119	25.456	-0.167	28.410	0.177	28.420	0.245	28.430	0.288	28.439	0.303
25.463	-0.182	25.472	-0.190	25.487	-0.167	25.499	-0.143	28.450	0.319	28.464	0.295	28.474	0.263	28.485	0.227
25.509	-0.123	25.520	-0.127	25.538	-0.179	25.550	-0.195	28.500	0.211	28.508	0.215	28.524	0.183	28.537	0.183
25.559	-0.211	25.571	-0.222	25.585	-0.187	25.595	-0.151	28.552	0.147	28.573	0.142	28.590	0.138	28.606	0.146
25.606	-0.116	25.623	-0.112	25.634	-0.100	25.642	-0.100	28.623	0.125	28.643	0.133	28.660	0.144	28.685	0.132
25.655	-0.140	25.670	-0.175	25.681	-0.255	25.688	-0.294	28.708	0.116	28.740	0.103	28.746	0.079	28.764	0.035
25.697	-0.302	25.711	-0.270	25.724	-0.183	25.739	-0.096	28.776	0.019	28.796	0.035	28.809	0.078	28.818	0.090
25.751	-0.017	25.759	0.026	25.766	0.058	25.772	0.074	28.838	0.094	28.853	0.097	28.872	0.093	28.892	0.093
25.781	-0.061	25.787	0.062	25.804	-0.002	25.816	-0.037	28.905	0.085	28.921	0.089	28.937	0.077	28.954	0.033
25.873	0.081	25.881	0.125	25.892	0.160	25.903	0.192	29.037	-0.008	29.058	-0.004	29.078	-0.020	29.093	-0.036
25.910	0.212	25.924	0.212	25.938	0.204	25.950	0.184	29.105	-0.060	29.122	-0.040	29.144	-0.007	29.158	0.042
25.966	0.140	25.976	0.128	25.985	0.140	25.996	0.172	29.170	0.054	29.185	0.022	29.200	-0.029	29.215	-0.049
26.008	-0.233	26.023	-0.287	26.032	-0.326	26.043	-0.358	29.229	-0.057	29.247	-0.034	29.260	-0.018	29.273	-0.007
26.061	0.370	26.067	0.350	26.082	0.283	26.088	0.251	29.287	-0.011	29.303	-0.026	29.322	-0.054	29.334	-0.062
26.103	0.231	26.120	0.239	26.130	0.243	26.145	0.203	29.352	-0.070	29.370	-0.066	29.379	-0.066	29.393	-0.058
26.165	0.132	26.184	0.081	26.198	0.065	26.218	0.065	29.408	-0.074	29.429	-0.098	29.447	-0.122	29.460	-0.142
26.236	0.061	26.256	0.041	26.276	0.009	26.282	-0.038	29.474	-0.165	29.491	-0.149	29.499	-0.153	29.515	-0.094
26.306	-0.066	26.321	-0.058	26.341	-0.042	26.352	-0.023	29.530	-0.102	29.547	-0.122	29.561	-0.169	29.581	-0.089
26.357	-0.015	26.373	-0.038	26.390	-0.058	26.399	-0.074	29.599	-0.193	29.615	-0.185	29.633	-0.197	29.651	-0.209
26.411	-0.114	26.424	-0.173	26.432	-0.201	26.445	-0.209	29.671	-0.241	29.689	-0.257	29.715	-0.273	29.729	-0.257
26.464	-0.193	26.477	-0.177	26.489	-0.165	26.504	-0.173	29.755	-0.245	29.772	-0.233	29.787	-0.217	29.808	-0.237
26.524	-0.185	26.536	-0.217	26.551	-0.237	26.565	-0.241	29.828	-0.257	29.845	-0.289	29.854	-0.312	29.867	-0.320
26.578	-0.241	26.596	-0.197	26.605	-0.177	26.617	-0.150	29.881	-0.285	29.895	-0.257	29.904	-0.221	29.914	-0.182
26.625	-0.150	26.638	-0.162	26.651	-0.205	26.660	-0.233	29.926	-0.217	29.941	-0.245	29.955	-0.285	29.965	-0.320
26.673	-0.241	26.691	-0.229	26.707	-0.209	26.718	-0.186	29.972	-0.320	29.984	-0.253	29.991	-0.265	30.003	-0.209
26.731	-0.162	26.751	-0.170	26.770	-0.186	26.784	-0.202	30.012	-0.110	30.023	-0.142	30.034	-0.126	30.046	-0.205
26.796	-0.202	26.813	-0.190	26.828	-0.186	26.847	-0.194	30.059	-0.178	30.068	-0.154	30.077	-0.217	30.082	-0.277
26.858	-0.206	26.865	-0.214	26.882	-0.206	26.897	-0.186	30.098	-0.170	30.112	-0.190	30.138	-0.138	30.162	-0.237
26.913	-0.178	26.922	-0.178	26.932	-0.186	26.951	-0.154	30.185	-0.265	30.209	-0.138	30.239	-0.083	30.265	-0.055
26.963	-0.103	26.981	-0.044	26.993	-0.012	27.005	-0.004	30.269	-0.035	30.293	-0.095	30.308	-0.079	30.326	-0.087
27.018	-0.012	27.026	-0.024	27.032	-0.036	27.044	-0.004	30.338	-0.135	30.358	-0.174	30.376	-0.178	30.396	-0.107
27.058	0.039	27.070	0.075	27.078	0.103	27.096	0.106	30.402	-0.068	30.410	-0.040	30.413	-0.012	30.422	-0.001
27.112	0.069	27.126	0.027	27.135	0.004	27.150	-0.004	30.433	-0.009	30.445	-0.040	30.457	-0.052	30.466	-0.060
27.163	0.007	27.180	0.051	27.194	0.071	27.211	0.090	30.474	-0.064	30.481	-0.088	30.489	-0.120	30.495	-0.132
27.230	0.126	27.247	0.134	27.259	0.138	27.268	0.173	30.507	-0.096	30.524	-0.076	30.531	-0.096	30.535	-0.108
27.287	0.158	27.308	0.130	27.326	0.118	27.343	0.114	30.548	-0.076	30.558	-0.045	30.563	-0.033	30.579	-0.053
27.352	0.125	27.368	0.078	27.390	0.058	27.412	-0.058	30.596	-0.037	30.608	-0.037	30.624	-0.049	30.632	-0.065
27.431	0.053	27.451	0.049	27.467	0.061	27.478	0.061	30.641	-0.089	30.650	-0.038	30.659	-0.006	30.668	-0.026
27.496	0.013	27.507	-0.014	27.521	-0.022	27.539	-0.019	30.683	-0.002	30.702	0.037	30.723	-0.030	30.740	-0.006
27.552	-0.023	27.570	-0.050	27.584	-0.066	27.601	-0.071	30.746	0.001	30.767	0.007	30.776	0.001	30.794	0.029
27.611	-0.110	27.632	-0.166	27.643	-0.197	27.653	-0.205	30.805	0.052	30.812	0.076	30.823	0.096	30.838	0.076
27.669	-0.182	27.685	-0.138	27.697	-0.099	27.708	-0.083	30.850	0.091	30.862	0.123	30.873	0.099	30.879	0.083
27.715	-0.075	27.727	-0.099	27.742	-0.135	27.757	-0.194	30.886	0.099	30.899	0.130	30.913	0.103	30.925	0.071
27.769	-0.218	27.781	-0.234	27.793	-0.234	27.811	-0.227	30.937	0.110	30.954	0.126	30.968	0.138	30.982	0.157
27.829	-0.211	27.838	-0.200	27.853	-0.180	27.865	-0.192	30.991	0.133	31.003	0.109	31.017	0.133	31.027	0.153
27.878	-0.200	27.895	-0.216	27.908	-0.225	27.928	-0.201	31.039	0.129	31.045	0.113	31.054	0.129	31.065	0.140
27.943	-0.182	27.957	-0.158	27.972	-0.174	27.988	-0.186	31.084	0.108	31.102	0.140	31.117	0.108	31.128	0.060



31.139	0.072	31.152	0.092	31.160	0.052	31.173	0.024	34.298	-0.025	34.316	-0.120	34.332	-0.139	34.352	-0.096
31.191	0.087	31.201	0.143	31.210	0.162	31.227	0.138	34.370	0.027	34.391	0.070	34.410	0.070	34.430	0.026
31.248	0.118	31.267	0.023	31.285	-0.068	31.296	-0.135	34.450	-0.061	34.468	-0.095	34.498	-0.132	34.509	-0.049
31.307	-0.179	31.318	-0.207	31.324	-0.227	31.337	-0.172	34.527	0.038	34.547	0.085	34.564	0.077	34.583	-0.002
31.351	-0.105	31.360	-0.061	31.371	-0.034	31.387	-0.022	34.601	-0.097	34.619	-0.172	34.633	-0.247	34.650	-0.244
31.401	-0.014	31.413	-0.062	31.424	-0.110	31.462	-0.114	34.666	-0.220	34.687	-0.081	34.704	-0.078	34.725	-0.097
31.454	-0.118	31.471	-0.158	31.479	-0.189	31.487	-0.205	34.740	-0.161	34.767	-0.054	34.790	-0.090	34.814	-0.110
31.498	-0.206	31.515	-0.194	31.528	-0.158	31.531	-0.139	34.833	-0.177	34.853	-0.233	34.875	-0.194	34.896	-0.194
31.553	-0.072	31.566	-0.143	31.581	-0.116	31.598	-0.159	34.919	-0.178	34.938	-0.115	34.955	-0.099	34.977	-0.151
31.622	-0.180	31.642	-0.188	31.658	-0.212	31.673	-0.228	34.957	-0.242	35.012	-0.286	35.034	-0.239	35.052	-0.211
31.690	-0.177	31.707	-0.153	31.723	-0.149	31.736	-0.153	35.068	-0.112	35.091	-0.128	35.112	-0.077	35.123	-0.069
31.750	-0.233	31.765	-0.225	31.785	-0.217	31.805	-0.186	35.142	-0.113	35.171	-0.185	35.197	-0.137	35.224	-0.173
31.823	-0.170	31.841	-0.131	31.855	-0.088	31.864	-0.060	35.242	-0.183	35.259	-0.138	35.277	-0.095	35.302	-0.172
31.879	-0.072	31.894	-0.100	31.919	-0.156	31.927	-0.168	35.319	0.008	35.341	-0.052	35.362	-0.116	35.368	-0.148
31.936	-0.180	31.956	-0.140	31.981	-0.081	32.002	-0.050	35.387	0.108	35.400	-0.037	35.417	0.053	35.436	0.124
32.028	-0.022	32.039	-0.015	32.058	-0.039	32.074	-0.035	35.451	0.065	35.471	-0.034	35.496	-0.122	35.517	-0.063
32.086	-0.047	32.101	-0.083	32.111	-0.095	32.120	-0.075	35.532	-0.055	35.548	-0.004	35.562	-0.000	35.579	-0.000
32.138	-0.016	32.151	0.039	32.175	0.071	32.199	0.086	35.594	-0.048	35.609	-0.084	35.624	-0.065	35.640	-0.001
32.217	0.106	32.235	0.125	32.248	0.129	32.265	0.109	35.654	0.062	35.671	0.081	35.686	0.113	35.706	0.029
32.274	0.074	32.298	0.073	32.310	0.061	32.325	0.049	35.724	0.042	35.743	-0.098	35.755	-0.126	35.770	-0.063
32.337	0.085	32.349	0.125	32.365	0.144	32.383	0.152	35.790	0.003	35.810	0.059	35.828	0.019	35.843	-0.048
32.397	0.128	32.412	0.077	32.424	0.045	32.446	0.061	35.864	-0.108	35.878	-0.127	35.898	-0.092	35.904	-0.017
32.466	0.076	32.481	0.112	32.502	0.076	32.515	0.036	35.927	0.090	35.935	-0.070	35.945	-0.062	35.955	0.010
32.521	-0.007	32.530	-0.039	32.539	-0.074	32.568	-0.067	35.968	-0.065	35.981	-0.113	35.997	-0.113	36.010	-0.093
32.559	-0.035	32.569	-0.003	32.581	-0.003	32.593	0.020	36.024	-0.070	36.037	-0.053	36.051	0.060	36.062	0.052
32.602	0.032	32.611	0.000	32.622	-0.047	32.635	-0.051	36.075	0.044	36.083	-0.011	36.096	-0.059	36.110	-0.107
32.647	-0.071	32.659	-0.075	32.671	-0.079	32.683	-0.075	36.122	-0.130	36.138	-0.107	36.152	-0.079	36.174	-0.052
32.693	-0.073	32.705	-0.091	32.716	-0.139	32.729	-0.119	36.188	-0.064	36.200	-0.076	36.216	-0.052	36.231	-0.029
32.739	-0.123	32.755	-0.131	32.769	-0.163	32.782	-0.179	36.247	-0.001	36.261	-0.002	36.275	-0.045	36.289	-0.077
32.796	-0.151	32.809	-0.131	32.824	-0.135	32.837	-0.139	36.301	-0.113	36.316	-0.137	36.330	-0.180	36.342	-0.180
32.851	-0.139	32.866	-0.163	32.878	-0.191	32.888	-0.219	36.359	-0.137	36.377	-0.082	36.386	-0.062	36.401	-0.102
32.901	-0.302	32.913	-0.330	32.929	-0.294	32.943	-0.270	36.414	-0.137	36.426	-0.133	36.444	-0.134	36.460	-0.110
32.955	-0.227	32.967	-0.187	32.981	-0.152	32.992	-0.172	36.473	-0.067	36.495	-0.031	36.511	-0.043	36.525	-0.071
33.001	-0.195	33.010	-0.203	33.018	-0.215	33.027	-0.259	36.543	-0.154	36.558	-0.178	36.570	-0.206	36.586	-0.194
33.036	-0.291	33.048	-0.302	33.062	-0.295	33.077	-0.259	36.608	-0.210	36.626	-0.159	36.641	-0.060	36.662	-0.025
33.086	-0.263	33.095	-0.283	33.110	-0.251	33.124	-0.239	36.685	-0.017	36.703	-0.037	36.715	-0.096	36.733	-0.096
33.139	-0.236	33.154	-0.240	33.165	-0.259	33.182	-0.228	36.750	-0.073	36.763	-0.057	36.776	-0.041	36.789	-0.081
33.197	-0.212	33.211	-0.204	33.226	-0.220	33.237	-0.188	36.803	-0.144	36.816	-0.156	36.828	-0.200	36.836	-0.212
33.247	-0.189	33.262	-0.232	33.277	-0.173	33.292	-0.212	36.852	-0.165	36.863	-0.037	36.874	-0.022	36.891	0.061
33.307	-0.197	33.322	-0.209	33.342	-0.236	33.360	-0.209	36.904	0.064	36.918	0.037	36.928	-0.027	36.942	-0.082
33.375	-0.153	33.390	-0.153	33.408	-0.118	33.421	-0.126	36.959	0.098	36.980	-0.071	36.996	-0.043	37.012	-0.020
33.435	-0.126	33.447	-0.138	33.465	-0.106	33.474	-0.118	37.030	-0.044	37.047	-0.091	37.065	-0.119	37.085	-0.139
33.486	-0.138	33.501	-0.118	33.511	-0.110	33.523	-0.138	37.106	-0.104	37.125	-0.076	37.143	-0.021	37.163	0.002
33.538	-0.142	33.554	-0.102	33.568	-0.078	33.581	-0.047	37.185	-0.018	37.211	-0.049	37.226	-0.097	37.246	-0.089
33.597	-0.023	33.607	-0.023	33.624	-0.043	33.641	-0.027	37.261	-0.022	37.282	0.049	37.304	0.013	37.322	-0.059
33.657	-0.051	33.677	-0.063	33.696	-0.035	33.715	-0.063	37.342	-0.130	37.365	-0.146	37.387	-0.091	37.405	-0.067
33.733	-0.053	33.746	-0.039	33.760	-0.016	33.775	-0.079	37.424	-0.024	37.439	-0.001	37.459	-0.009	37.473	-0.041
33.792	0.052	33.812	0.016	33.825	-0.047	33.860	-0.083	37.487	-0.104	37.502	-0.183	37.515	-0.172	37.537	-0.144
33.849	-0.091	33.855	-0.115	33.870	-0.035	33.888	-0.127	37.554	-0.105	37.570	-0.014	37.585	-0.026	37.600	-0.066
33.905	0.178	33.919	0.178	33.932	0.150	33.943	0.123	37.618	-0.125	37.633	-0.177	37.648	-0.225	37.667	-0.193
33.955	0.107	33.963	0.107	33.976	0.087	33.986	0.071	37.685	-0.166	37.706	-0.115	37.726	-0.075	37.741	-0.091
33.998	0.039	34.013	-0.020	34.031	0.008	34.068	0.051	37.757	-0.072	37.773	-0.119	37.788	-0.139	37.807	-0.147
34.065	0.122	34.081	0.205	34.094	0.253	34.107	0.186	37.818	-0.155	37.842	-0.092	37.865	-0.045	37.887	-0.084
34.118	0.102	34.142	0.008	34.142	-0.012	34.152	-0.036	37.899	-0.112	37.926	-0.077	37.946	-0.045	37.965	-0.073
34.172	0.019	34.187	0.075	34.201	0.083	34.218	0.150	37.982	-0.117	37.997	-0.148	38.018	-0.117	38.037	-0.081
34.229	0.158	34.250	0.158	34.263	0.098	34.278	0.023	38.057	-0.085	38.074	-0.086	38.095	-0.129	38.120	-0.114



38.142	-0.054	38.160	-0.035	38.180	-0.023	38.206	-0.031
38.228	-0.063	38.246	-0.051	38.264	-0.091	38.282	-0.118
38.312	-0.067	38.336	-0.016	38.355	0.052	38.366	0.056
38.384	0.008	38.405	-0.024	38.420	-0.020	38.435	-0.020
38.450	0.036	38.470	-0.079	38.471	-0.091	38.503	-0.063
38.519	-0.083	38.534	-0.083	38.551	-0.087	38.567	-0.075
38.582	-0.060	38.597	-0.024	38.612	-0.016	38.624	-0.020
38.641	-0.012	38.656	-0.028	38.678	-0.060	38.693	-0.111
38.714	-0.111	38.732	-0.123	38.747	-0.111	38.765	-0.048
38.782	-0.013	38.802	0.003	38.816	-0.001	38.826	0.003
38.841	-0.005	38.856	-0.009	38.875	-0.001	38.890	-0.002
38.909	-0.002	38.927	0.018	38.944	-0.026	38.961	-0.069
38.978	-0.097	38.996	-0.089	39.013	-0.074	39.029	-0.074
39.046	-0.078	39.064	-0.074	39.078	-0.082	39.110	-0.051
39.126	-0.035	39.145	-0.035	39.164	-0.031	39.182	-0.071
39.202	-0.067	39.217	-0.075	39.233	-0.060	39.253	-0.020
39.266	-0.044	39.281	-0.052	39.300	-0.080	39.317	-0.088
39.332	-0.088	39.352	-0.088	39.370	-0.088	39.391	-0.108
39.411	-0.108	39.431	-0.097	39.447	-0.077	39.466	-0.093
39.484	-0.121	39.502	-0.196	39.518	-0.224	39.541	-0.180
39.558	-0.157	39.575	-0.097	39.587	-0.094	39.604	-0.121
39.622	-0.177	39.642	-0.193	39.666	-0.157	39.680	-0.102
39.703	-0.078	39.724	-0.082	39.750	-0.134	39.772	-0.158
39.789	-0.154	39.809	-0.146	39.821	-0.103	39.841	-0.135
39.857	-0.178	39.872	-0.178	39.895	-0.135	39.917	-0.115
39.937	-0.127	39.958	-0.151	39.977	-0.143	39.994	-0.155
40.018	-0.151	40.039	-0.144	40.060	-0.168	40.083	-0.136
40.101	-0.097	40.119	-0.037	40.132	-0.041	40.147	-0.018
40.167	-0.042	40.191	-0.081	40.205	-0.109	40.215	-0.113
40.232	-0.137	40.248	-0.105	40.265	-0.094	40.278	-0.070
40.289	-0.046	40.301	-0.054				







4.616	0.035	4.628	0.039	4.642	0.031	4.656	-0.000	7.945	0.100	7.972	0.111	7.983	0.087	8.000	0.052
4.670	-0.008	4.684	-0.016	4.697	-0.012	4.709	-0.000	8.023	0.103	8.040	0.123	8.053	0.103	8.068	0.063
4.726	-0.040	4.745	-0.079	4.763	-0.083	4.780	0.024	8.081	0.023	8.099	-0.001	8.089	-0.048	8.110	-0.084
4.812	0.079	4.831	0.135	4.848	0.159	4.868	0.162	8.125	-0.112	8.134	-0.159	8.143	-0.187	8.152	-0.211
4.887	0.191	4.894	0.206	4.911	0.226	4.928	0.215	8.161	-0.259	8.166	-0.286	8.176	-0.310	8.185	-0.342
4.943	0.203	4.955	0.223	4.974	0.219	4.989	0.187	8.203	-0.350	8.222	-0.334	8.242	-0.295	8.256	-0.248
5.000	0.143	5.018	0.072	5.032	0.021	5.047	-0.027	8.275	-0.198	8.287	-0.161	8.299	-0.145	8.314	-0.133
5.068	-0.031	5.081	-0.011	5.101	0.040	5.113	0.076	8.335	-0.145	8.353	-0.161	8.368	-0.185	8.383	-0.209
5.134	0.100	5.145	0.119	5.159	0.115	5.169	0.088	8.392	-0.221	8.403	-0.257	8.415	-0.273	8.434	-0.249
5.177	0.056	5.196	0.052	5.214	0.095	5.228	0.111	8.457	-0.206	8.478	-0.170	8.493	-0.119	8.505	-0.067
5.236	0.123	5.251	0.135	5.257	0.143	5.271	0.111	8.517	-0.024	8.533	0.012	8.544	0.012	8.565	0.004
5.281	0.103	5.295	0.031	5.308	-0.048	5.321	-0.107	8.583	0.027	8.597	0.063	8.607	0.106	8.616	0.142
5.340	-0.064	5.356	-0.001	5.365	0.019	5.376	0.063	8.631	0.253	8.648	0.177	8.671	-0.001	8.694	-0.077
5.391	0.095	5.406	0.075	5.418	0.023	5.440	-0.008	8.723	-0.093	8.759	-0.096	8.800	-0.001	8.821	0.019
5.458	0.040	5.472	-0.064	5.485	-0.111	5.494	-0.131	8.850	-0.084	8.871	-0.092	8.891	0.011	8.918	0.121
5.521	-0.087	5.521	-0.087	5.536	-0.060	5.560	0.004	8.946	0.184	8.961	0.196	8.982	0.120	9.007	0.056
5.575	0.040	5.592	0.079	5.603	0.083	5.616	0.071	9.028	0.048	9.060	0.067	9.078	0.059	9.101	-0.001
5.631	0.095	5.646	0.127	5.656	0.103	5.664	0.075	9.114	-0.057	9.146	-0.097	9.158	-0.093	9.193	-0.015
5.679	0.004	5.689	-0.071	5.702	-0.123	5.709	-0.158	9.210	0.064	9.228	0.063	9.244	0.011	9.255	-0.005
5.720	-0.194	5.729	-0.194	5.751	-0.130	5.763	-0.082	9.291	0.097	9.305	0.211	9.318	0.243	9.340	0.222
5.773	-0.071	5.784	-0.091	5.793	-0.110	5.811	-0.098	9.355	0.146	9.379	0.082	9.400	0.018	9.417	-0.034
5.820	-0.087	5.836	-0.102	5.846	-0.134	5.862	-0.126	9.431	-0.066	9.457	-0.075	9.478	-0.099	9.504	-0.163
5.879	-0.082	5.894	0.021	5.908	0.132	5.923	0.183	9.538	-0.113	9.555	-0.034	9.598	-0.023	9.614	-0.055
5.936	0.195	5.950	0.136	5.971	0.093	5.991	0.065	9.640	-0.063	9.670	-0.071	9.688	-0.111	9.712	-0.143
6.009	0.030	6.025	0.002	6.046	0.046	6.072	0.070	9.729	-0.123	9.750	-0.099	9.772	-0.135	9.787	-0.195
6.082	0.110	6.105	0.022	6.124	0.173	6.141	0.205	9.793	-0.206	9.822	-0.203	9.843	-0.187	9.865	-0.159
6.158	0.237	6.173	0.241	6.194	0.181	6.212	0.130	9.889	-0.175	9.915	-0.179	9.932	-0.124	9.951	-0.029
6.228	0.090	6.246	0.062	6.263	0.062	6.281	0.094	9.974	0.070	10.000	0.173	10.021	0.201	10.048	0.260
6.369	0.054	6.400	0.006	6.431	0.078	6.456	0.058	10.070	0.241	10.090	0.229	10.099	0.209	10.121	0.141
6.436	-0.129	6.460	-0.149	6.479	-0.176	6.492	-0.093	10.139	0.058	10.159	-0.005	10.180	-0.001	10.206	0.095
6.501	-0.220	6.516	-0.244	6.528	-0.240	6.542	-0.188	10.228	0.202	10.263	0.230	10.288	0.198	10.309	0.135
6.573	-0.161	6.583	-0.153	6.602	-0.122	6.617	-0.094	10.324	0.135	10.342	0.191	10.364	0.227	10.389	0.215
6.630	-0.062	6.648	-0.039	6.660	-0.003	6.676	0.025	10.407	0.140	10.427	0.088	10.437	0.073	10.466	0.095
6.690	0.001	6.705	-0.031	6.724	-0.106	6.737	-0.134	10.480	-0.022	10.511	-0.038	10.533	0.010	10.562	0.062
6.747	-0.186	6.762	-0.230	6.775	-0.226	6.795	-0.135	10.598	0.070	10.623	0.125	10.643	0.161	10.667	0.118
6.811	-0.047	6.824	0.020	6.850	0.103	6.868	0.123	10.687	0.118	10.708	0.178	10.720	0.217	10.741	0.206
6.881	0.119	6.893	0.079	6.908	0.111	6.908	0.111	10.760	0.226	10.777	0.226	10.795	0.194	10.816	0.135
6.931	0.167	6.955	0.155	6.968	0.115	6.980	0.087	10.843	0.036	10.873	-0.024	10.892	-0.012	10.904	-0.032
6.992	0.107	7.006	0.147	7.022	0.143	7.037	0.107	10.924	-0.071	10.951	-0.024	10.967	-0.028	10.983	-0.083
7.042	0.075	7.054	0.004	7.069	-0.063	7.084	-0.071	10.990	-0.111	11.003	-0.139	11.006	-0.139	11.009	-0.135
7.103	-0.083	7.115	-0.111	7.129	-0.155	7.148	-0.202	11.012	-0.131	11.015	-0.131	11.025	-0.091	11.040	-0.047
7.155	-0.234	7.171	-0.234	7.192	-0.195	7.208	-0.088	11.033	0.012	11.062	0.032	11.075	0.048	11.088	0.067
7.225	-0.013	7.235	0.058	7.248	0.153	7.269	0.213	11.101	0.079	11.112	0.083	11.124	0.083	11.134	0.093
7.284	0.213	7.296	0.181	7.311	0.149	7.325	0.125	11.146	0.060	11.157	0.024	11.166	-0.004	11.172	-0.024
7.344	0.141	7.352	0.137	7.363	0.105	7.379	0.069	11.178	-0.039	11.187	-0.035	11.196	-0.031	11.205	-0.023
7.407	0.057	7.414	0.041	7.429	0.049	7.442	0.068	11.214	-0.019	11.222	-0.011	11.231	-0.015	11.240	-0.015
7.457	0.080	7.465	0.076	7.477	0.040	7.496	-0.027	11.287	0.013	11.299	0.029	11.309	0.045	11.316	0.064
7.508	-0.059	7.516	-0.091	7.526	-0.134	7.537	-0.170	11.325	0.076	11.334	0.096	11.343	0.100	11.353	0.089
7.548	-0.194	7.559	-0.234	7.572	-0.258	7.588	-0.286	11.366	0.061	11.376	0.045	11.387	0.033	11.404	0.030
7.614	-0.298	7.634	-0.290	7.653	-0.270	7.668	-0.239	11.424	0.026	11.433	0.018	11.447	0.022	11.458	0.026
7.695	0.191	7.702	-0.112	7.719	0.014	7.724	0.070	11.464	0.022	11.475	0.007	11.486	-0.005	11.499	-0.021
7.738	0.101	7.753	0.184	7.764	0.228	7.779	0.283	11.512	-0.037	11.527	-0.048	11.534	-0.060	11.545	-0.088
7.801	0.295	7.812	0.287	7.825	0.267	7.837	0.235	11.556	-0.096	11.563	-0.088	11.575	-0.064	11.583	-0.046
7.846	0.215	7.854	0.176	7.863	0.104	7.876	0.049	11.593	0.004	11.606	0.044	11.616	0.083	11.628	0.123
7.884	0.029	7.899	0.017	7.913	0.036	7.934	0.072	11.639	0.163	11.645	0.182	11.658	0.198	11.667	0.202



11.681	0.179	11.688	0.159	11.696	0.151	11.709	0.159	15.082	0.200	15.097	0.196	15.112	0.188	15.122	0.192
11.723	0.179	11.735	0.183	11.748	0.191	11.759	0.199	15.135	0.204	15.148	0.204	15.162	0.196	15.177	0.168
11.771	0.207	11.780	0.210	11.787	0.211	11.800	0.199	15.195	0.213	15.215	0.077	15.231	0.045	15.245	0.029
11.815	0.179	11.829	0.163	11.841	0.155	11.854	0.135	15.265	0.017	15.282	0.001	15.301	-0.011	15.318	-0.019
11.866	0.127	11.879	0.120	11.893	0.112	11.906	0.092	15.332	-0.023	15.348	0.042	15.363	-0.034	15.378	-0.062
11.918	0.052	11.933	0.029	11.941	0.005	11.953	0.013	15.394	-0.054	15.412	0.055	15.426	-0.059	15.445	-0.051
11.966	0.017	11.978	0.024	11.989	0.008	12.001	-0.024	15.459	-0.075	15.473	0.110	15.489	-0.126	15.505	-0.102
12.015	-0.040	12.024	-0.052	12.031	-0.048	12.044	-0.032	15.528	-0.079	15.554	-0.047	15.578	0.000	15.596	0.016
12.056	-0.009	12.068	-0.005	12.077	-0.001	12.085	-0.005	15.611	0.028	15.631	0.056	15.652	0.099	15.669	0.127
12.096	-0.005	12.104	-0.009	12.116	0.100	12.132	0.053	15.687	0.147	15.702	0.179	15.714	0.203	15.726	0.222
12.143	0.089	12.154	0.109	12.160	0.108	12.169	0.112	15.739	0.230	15.765	0.234	15.780	0.227	15.789	0.215
12.178	0.100	12.188	0.060	12.207	-0.003	12.214	-0.019	15.804	0.179	15.819	0.136	15.837	0.112	15.856	0.076
12.232	-0.020	12.246	-0.052	12.262	-0.108	12.277	-0.152	15.870	0.049	15.882	0.025	15.898	0.021	15.924	0.017
12.287	-0.168	12.304	-0.180	12.321	-0.188	12.334	-0.208	15.953	0.017	15.968	0.021	15.982	0.041	15.998	0.069
12.348	-0.224	12.358	-0.237	12.371	-0.241	12.381	-0.249	16.012	0.093	16.026	0.109	16.038	0.121	16.054	0.133
12.393	-0.237	12.401	-0.257	12.410	-0.246	12.420	-0.230	16.066	0.145	16.080	0.137	16.094	0.125	16.105	0.125
12.429	-0.218	12.441	-0.222	12.455	-0.239	12.467	-0.231	16.133	0.126	16.144	0.110	16.154	0.102	16.169	0.082
12.483	-0.204	12.494	-0.176	12.515	-0.121	12.533	-0.082	16.184	0.051	16.199	0.039	16.217	0.024	16.233	0.012
12.542	-0.054	12.553	-0.047	12.563	-0.039	12.575	-0.044	16.247	0.024	16.264	0.036	16.281	0.072	16.297	0.087
12.587	0.008	12.595	0.008	12.610	-0.000	12.626	-0.044	16.308	0.099	16.321	0.111	16.330	0.115	16.345	0.116
12.645	-0.076	12.663	-0.104	12.677	-0.128	12.692	-0.168	16.356	0.104	16.370	0.108	16.382	0.116	16.395	0.120
12.711	-0.207	12.726	-0.235	12.740	-0.259	12.751	-0.279	16.409	0.100	16.417	0.092	16.429	0.072	16.439	0.064
12.758	-0.287	12.774	-0.275	12.788	-0.244	12.807	-0.208	16.451	0.064	16.465	0.056	16.477	0.048	16.489	0.052
12.817	-0.188	12.833	-0.188	12.862	-0.188	12.879	-0.176	16.503	0.059	16.517	0.067	16.528	0.075	16.542	0.083
12.894	-0.160	12.904	-0.148	12.921	-0.156	12.936	-0.168	16.556	0.086	16.568	0.106	16.583	0.110	16.599	0.125
12.949	-0.183	12.964	-0.195	12.977	-0.191	12.989	-0.171	16.611	0.133	16.621	0.149	16.638	0.141	16.653	0.136
13.005	-0.129	13.021	-0.084	13.036	-0.057	13.050	-0.021	16.672	0.128	16.688	0.124	16.702	0.108	16.714	0.092
13.064	0.003	13.081	0.007	13.090	-0.001	13.108	-0.033	16.727	0.064	16.738	0.048	16.750	0.040	16.767	0.056
13.120	-0.053	13.137	-0.069	13.151	-0.088	13.166	-0.105	16.782	0.083	16.797	0.063	16.812	0.043	16.829	0.031
13.179	-0.089	13.191	-0.046	13.221	0.060	13.238	0.115	16.844	0.007	16.859	-0.021	16.874	-0.037	16.890	-0.058
13.253	0.146	13.265	0.165	13.287	0.180	13.299	0.208	16.907	-0.062	16.925	-0.059	16.943	-0.063	16.962	-0.060
13.311	0.235	13.328	0.250	13.338	0.230	13.358	0.186	16.982	-0.052	17.000	-0.049	17.018	-0.046	17.035	-0.034
13.382	0.114	13.396	0.038	13.415	-0.074	13.428	-0.154	17.048	-0.039	17.068	-0.056	17.095	-0.077	17.114	-0.089
13.441	-0.213	13.457	-0.256	13.472	-0.288	13.484	-0.292	17.136	-0.114	17.159	-0.159	17.179	-0.183	17.196	-0.176
13.502	-0.256	13.527	-0.177	13.559	-0.093	13.589	-0.034	17.212	-0.184	17.234	-0.200	17.251	-0.193	17.277	-0.169
13.613	0.030	13.638	0.078	13.653	0.118	13.665	0.130	17.297	-0.162	17.319	-0.127	17.336	-0.111	17.355	-0.060
13.682	0.098	13.709	0.019	13.730	-0.028	13.754	-0.079	17.374	-0.034	17.389	0.004	17.410	0.019	17.422	0.019
13.772	-0.115	13.788	-0.127	13.809	-0.107	13.852	-0.107	17.446	0.039	17.464	0.058	17.480	0.066	17.491	0.082
13.869	-0.107	13.882	-0.131	13.909	-0.174	13.931	-0.198	17.506	0.085	17.519	0.081	17.536	0.061	17.554	0.033
13.947	-0.202	13.967	-0.202	13.997	-0.194	14.009	-0.194	17.568	0.005	17.582	-0.049	17.596	-0.087	17.614	-0.119
14.024	-0.162	14.045	-0.123	14.090	-0.016	14.126	0.060	17.635	-0.147	17.655	-0.183	17.672	-0.207	17.684	-0.231
14.147	0.095	14.162	0.123	14.173	0.131	14.189	0.099	17.700	-0.235	17.717	-0.240	17.735	-0.252	17.752	-0.260
14.209	0.059	14.233	-0.008	14.249	-0.064	14.267	-0.096	17.768	-0.281	17.791	-0.170	17.807	-0.095	17.819	-0.059
14.277	-0.088	14.297	-0.048	14.313	-0.028	14.330	-0.013	17.828	-0.035	17.843	-0.012	17.855	-0.000	17.875	0.035
14.346	-0.013	14.368	-0.013	14.397	-0.010	14.421	-0.014	17.890	0.067	17.900	0.075	17.914	0.067	17.932	0.047
14.431	-0.010	14.453	0.009	14.463	-0.011	14.479	-0.051	17.948	0.015	17.962	0.002	17.978	-0.022	17.996	-0.050
14.496	-0.103	14.511	-0.142	14.524	-0.170	14.535	-0.186	18.009	-0.018	18.029	-0.110	18.044	-0.130	18.056	-0.142
14.552	-0.183	14.565	-0.151	14.582	-0.119	14.598	-0.104	18.072	-0.146	18.094	-0.146	18.115	-0.139	18.133	-0.143
14.613	-0.080	14.626	-0.068	14.637	-0.057	14.650	-0.053	18.146	-0.147	18.161	-0.159	18.177	-0.163	18.191	-0.155
14.663	-0.029	14.678	0.006	14.695	0.058	14.707	0.097	18.205	-0.155	18.223	-0.163	18.240	-0.179	18.259	-0.191
14.720	0.129	14.730	0.149	14.742	0.157	14.757	0.157	18.277	-0.095	18.298	-0.195	18.321	-0.203	18.345	-0.207
14.773	0.149	14.790	0.141	14.813	0.161	14.826	0.172	18.363	-0.206	18.381	-0.198	18.401	-0.182	18.419	-0.154
14.846	0.161	14.861	0.180	14.874	0.188	14.889	0.180	18.436	-0.142	18.458	-0.126	18.477	-0.118	18.500	-0.110
14.904	0.172	14.923	0.176	14.939	0.188	14.954	0.200	18.492	-0.102	18.539	-0.090	18.558	-0.090	18.575	-0.087
14.970	0.200	14.983	0.192	14.999	0.204	15.014	0.216	18.520	-0.087	18.607	-0.087	18.629	-0.099	18.652	-0.122
15.026	0.216	15.041	0.200	15.055	0.184	15.067	0.188	18.673	-0.142	18.696	-0.166	18.716	-0.178	18.735	-0.182



18.758	-0.170	18.775	-0.162	18.815	-0.167	18.838	-0.151	23.318	-0.185	23.337	-0.174	23.358	-0.155	23.378	-0.160
18.854	-0.135	18.873	-0.127	18.892	-0.124	18.918	-0.128	23.402	-0.177	23.419	-0.198	23.443	-0.231	23.468	-0.240
18.940	-0.128	18.960	-0.108	18.985	-0.108	19.014	-0.077	23.497	-0.241	23.520	-0.246	23.545	-0.239	23.565	-0.243
19.035	-0.041	19.059	-0.006	19.081	0.014	19.095	0.026	23.577	-0.240	23.599	-0.205	23.624	-0.170	23.640	-0.159
19.112	0.038	19.133	0.038	19.156	0.026	19.179	0.010	23.659	-0.136	23.679	-0.124	23.690	-0.133	23.701	-0.133
19.203	0.006	19.230	0.010	19.259	0.030	19.282	0.006	23.722	-0.141	23.745	-0.145	23.766	-0.137	23.776	-0.122
19.303	-0.010	19.321	-0.026	19.345	-0.034	19.368	-0.046	23.795	-0.106	23.815	-0.106	23.836	-0.106	23.841	-0.106
19.394	-0.065	19.418	-0.081	19.441	-0.085	19.467	-0.089	23.859	-0.102	23.879	-0.107	23.896	-0.111	23.912	-0.119
19.488	-0.089	19.509	-0.086	19.528	-0.074	19.544	-0.058	23.931	-0.103	23.951	-0.083	23.966	-0.079	23.982	-0.040
19.562	-0.054	19.578	-0.042	19.603	-0.046	19.620	-0.042	24.005	-0.040	24.024	-0.040	24.038	-0.036	24.046	-0.040
19.665	-0.031	19.668	-0.015	19.679	-0.015	19.701	-0.019	24.063	-0.040	24.087	-0.020	24.102	-0.023	24.124	0.043
19.722	-0.027	19.751	-0.051	19.770	-0.031	19.788	-0.015	24.142	0.047	24.165	0.070	24.188	0.094	24.208	0.090
19.805	0.013	19.824	0.024	19.839	0.028	19.857	0.012	24.229	0.082	24.247	0.066	24.268	0.062	24.286	0.069
19.881	0.004	19.904	0.016	19.928	0.036	19.951	0.060	24.304	-0.010	24.317	0.049	24.334	0.025	24.344	0.002
19.974	0.087	19.995	0.115	20.014	0.135	20.031	0.159	24.364	-0.010	24.382	0.021	24.400	0.037	24.411	0.053
20.053	0.174	20.074	0.202	20.095	0.218	20.125	0.218	24.431	0.065	24.443	0.077	24.467	0.077	24.485	0.069
20.158	0.230	20.190	0.234	20.211	0.242	20.224	0.218	24.494	0.073	24.518	0.077	24.544	0.081	24.566	0.092
20.241	0.190	20.258	0.170	20.274	0.155	20.293	0.127	24.587	0.104	24.608	0.112	24.632	0.112	24.653	0.132
20.308	0.107	20.324	0.119	20.351	0.123	20.377	0.130	24.677	0.140	24.691	0.144	24.718	0.168	24.734	0.167
20.400	0.134	20.420	0.130	20.441	0.126	20.453	0.126	24.752	0.159	24.767	0.155	24.785	0.135	24.806	0.107
20.485	0.118	20.506	0.110	20.534	0.114	20.559	0.113	24.822	0.079	24.836	0.067	24.852	0.058	24.865	0.050
20.582	0.121	20.598	0.121	20.614	0.129	20.634	0.121	24.877	0.046	24.896	0.030	24.913	0.026	24.939	0.025
20.656	0.113	20.675	0.112	20.698	0.108	20.716	0.104	24.956	0.028	24.976	0.027	24.983	0.027	24.995	0.027
20.739	0.100	20.763	0.104	20.787	0.096	20.817	0.095	25.016	0.050	25.039	0.046	25.052	0.038	25.065	0.033
20.845	0.095	20.867	0.107	20.890	0.110	20.909	0.094	25.085	0.025	25.104	0.025	25.126	0.032	25.132	0.032
20.938	0.078	20.974	0.050	21.001	0.054	21.034	0.062	25.148	0.020	25.161	0.012	25.174	-0.008	25.189	-0.016
21.069	0.074	21.113	0.113	21.159	0.172	21.183	0.200	25.204	-0.013	25.219	-0.001	25.240	-0.001	25.258	0.007
21.207	0.212	21.241	0.204	21.275	0.172	21.300	0.161	25.273	0.018	25.280	0.018	25.303	0.022	25.317	0.034
21.325	0.149	21.348	0.149	21.369	0.125	21.403	0.109	25.334	0.026	25.340	0.022	25.346	0.010	25.362	0.006
21.417	0.101	21.441	0.061	21.460	0.037	21.480	0.021	25.382	-0.006	25.394	0.006	25.402	0.006	25.421	0.014
21.522	0.005	21.559	-0.003	21.595	-0.011	21.620	-0.019	25.433	0.010	25.445	0.005	25.460	0.005	25.472	0.009
21.638	-0.019	21.671	-0.003	21.695	0.001	21.718	0.005	25.483	0.017	25.501	0.041	25.521	0.061	25.541	0.072
21.735	0.013	21.750	0.021	21.763	0.025	21.774	0.025	25.559	0.096	25.576	0.116	25.605	0.123	25.637	0.118
21.790	0.037	21.804	0.041	21.815	0.041	21.836	0.022	25.661	0.101	25.671	0.095	25.696	0.076	25.726	0.075
21.852	0.014	21.863	0.010	21.886	-0.006	21.917	0.018	25.738	0.062	25.758	0.058	25.773	0.053	25.788	0.052
22.002	0.027	22.019	0.019	22.038	0.020	22.055	0.024	25.816	0.035	25.834	0.027	25.854	0.007	25.877	0.010
22.078	0.028	22.098	0.044	22.101	0.048	22.110	0.032	25.905	0.025	25.931	0.040	25.958	0.056	25.984	0.067
22.123	0.050	22.143	0.088	22.162	0.104	22.179	0.104	26.006	0.066	26.017	0.078	26.035	0.087	26.056	0.087
22.193	0.116	22.206	0.116	22.224	0.125	22.249	0.121	26.065	0.095	26.083	0.091	26.103	0.080	26.119	0.072
22.258	0.117	22.268	0.117	22.282	0.117	22.294	0.104	26.137	0.061	26.157	0.049	26.168	0.041	26.192	0.022
22.315	0.105	22.326	0.089	22.343	0.069	22.361	0.033	26.202	0.023	26.249	0.008	26.271	0.005	26.293	0.013
22.367	0.021	22.387	0.010	22.405	-0.010	22.422	-0.038	26.311	0.025	26.328	0.053	26.353	0.069	26.368	0.073
22.441	-0.082	22.462	-0.086	22.483	-0.098	22.502	-0.110	26.386	0.077	26.400	0.093	26.421	0.093	26.438	0.129
22.520	-0.122	22.538	-0.134	22.548	-0.150	22.563	-0.170	26.460	0.137	26.479	0.137	26.503	0.129	26.522	0.110
22.582	-0.194	22.596	-0.202	22.610	-0.211	22.628	-0.212	26.542	0.082	26.567	0.061	26.591	0.061	26.604	0.060
22.648	-0.185	22.670	-0.178	22.689	-0.170	22.704	-0.171	26.623	0.056	26.640	0.055	26.655	0.047	26.677	0.022
22.730	-0.184	22.745	-0.181	22.765	-0.174	22.782	-0.159	26.696	0.010	26.721	0.017	26.748	0.028	26.770	0.035
22.800	-0.156	22.813	-0.160	22.838	-0.178	22.857	-0.167	26.787	0.027	26.801	0.023	26.821	0.038	26.851	0.050
22.876	-0.148	22.893	-0.121	22.909	-0.118	22.923	-0.095	26.869	0.026	26.886	0.029	26.925	0.041	26.936	0.040
22.936	-0.091	22.943	-0.084	22.961	-0.073	22.983	-0.062	26.950	0.024	26.970	0.008	26.990	0.008	27.010	0.015
23.002	-0.035	23.021	-0.020	23.033	-0.021	23.041	-0.029	27.038	0.031	27.062	0.038	27.079	0.082	27.102	0.101
23.062	-0.034	23.076	-0.026	23.093	-0.020	23.116	-0.012	27.127	0.089	27.150	0.080	27.171	0.096	27.181	0.059
23.132	-0.021	23.145	-0.034	23.157	-0.062	23.177	-0.087	27.205	0.087	27.231	0.055	27.238	0.047	27.249	0.043
23.194	-0.095	23.209	-0.104	23.222	-0.104	23.238	-0.121	27.277	0.032	27.295	0.037	27.313	0.033	27.334	0.022
23.255	-0.142	23.270	-0.150	23.289	-0.171	23.301	-0.176	27.356	0.019	27.370	0.016	27.381	0.017	27.405	0.010
								27.423	0.007	27.440	0.032	27.459	0.028	27.471	0.025



27.485	0.009	27.505	0.005	27.521	-0.020	27.545	-0.024	31.961	0.029	31.992	0.024	32.013	0.016	32.042	-0.016
27.559	-0.029	27.584	-0.037	27.601	-0.042	27.622	-0.050	32.070	-0.016	32.089	-0.013	32.101	-0.017	32.110	-0.025
27.637	-0.054	27.655	-0.043	27.676	-0.055	27.693	-0.052	32.124	-0.017	32.136	-0.021	32.149	-0.025	32.158	-0.026
27.698	-0.040	27.716	-0.045	27.744	-0.045	27.754	-0.046	32.177	-0.041	32.200	-0.052	32.214	-0.056	32.232	-0.060
27.775	-0.054	27.798	-0.066	27.816	-0.082	27.844	-0.090	32.259	-0.075	32.274	-0.086	32.294	-0.098	32.311	-0.094
27.868	-0.087	27.890	-0.091	27.902	-0.091	27.926	-0.107	32.324	-0.101	32.348	-0.109	32.371	-0.088	32.392	-0.064
27.948	-0.123	27.957	-0.127	27.976	-0.131	27.999	-0.151	32.409	-0.101	32.419	-0.107	32.433	-0.075	32.454	-0.082
28.013	-0.155	28.036	-0.175	28.053	-0.171	28.075	-0.163	32.471	-0.090	32.482	-0.094	32.502	-0.105	32.527	-0.093
28.104	-0.147	28.127	-0.147	28.150	-0.151	28.173	-0.135	32.546	-0.097	32.560	-0.097	32.573	-0.108	32.599	-0.120
28.197	-0.119	28.221	-0.127	28.242	-0.147	28.260	-0.139	32.613	-0.112	32.629	-0.115	32.652	-0.111	32.653	-0.099
28.280	-0.127	28.304	-0.131	28.321	-0.158	28.338	-0.162	32.659	-0.103	32.669	-0.103	32.677	-0.107	32.695	-0.108
28.368	-0.147	28.385	-0.115	28.407	-0.083	28.423	-0.079	32.720	-0.096	32.745	-0.057	32.762	-0.058	32.785	-0.062
28.446	-0.075	28.456	-0.067	28.474	-0.055	28.491	-0.051	32.801	-0.070	32.884	-0.076	32.829	-0.063	32.841	-0.059
28.499	-0.047	28.508	-0.043	28.518	-0.031	28.536	-0.001	32.861	-0.072	32.884	-0.076	32.914	-0.089	32.940	-0.077
28.555	0.001	28.573	0.017	28.589	0.009	28.607	0.013	32.955	-0.086	32.981	-0.086	33.001	-0.079	33.020	-0.071
28.617	0.025	28.633	0.041	28.653	0.061	28.675	0.053	33.041	-0.080	33.067	-0.084	33.081	-0.077	33.104	-0.077
28.687	0.065	28.699	0.052	28.716	0.040	28.729	0.052	33.121	-0.070	33.145	-0.074	33.165	-0.074	33.182	-0.079
28.761	0.087	28.785	0.090	28.801	0.082	28.832	0.070	33.199	-0.067	33.215	-0.055	33.240	-0.048	33.264	-0.048
28.843	0.077	28.858	0.088	28.869	0.084	28.881	0.072	33.274	-0.044	33.291	-0.041	33.302	-0.041	33.324	-0.041
28.903	0.048	28.920	0.044	28.941	0.028	28.956	0.016	33.351	-0.034	33.370	-0.034	33.388	-0.019	33.405	-0.003
28.970	0.004	28.985	-0.008	29.006	-0.024	29.030	-0.024	33.423	0.001	33.445	0.012	33.461	0.008	33.472	0.008
29.048	-0.024	29.067	-0.040	29.079	-0.044	29.093	-0.055	33.493	0.011	33.512	0.031	33.544	-0.001	33.573	-0.038
29.104	-0.063	29.117	-0.071	29.148	-0.103	29.180	-0.104	33.592	-0.030	33.616	-0.076	33.628	-0.007	33.642	0.001
29.185	-0.104	29.204	-0.100	29.222	-0.089	29.236	-0.085	33.664	0.016	33.680	0.016	33.687	0.008	33.704	-0.004
29.251	-0.073	29.271	-0.038	29.293	-0.007	29.318	0.004	33.723	-0.000	33.744	0.007	33.773	0.026	33.785	0.026
29.343	0.008	29.356	0.007	29.376	0.007	29.394	-0.006	33.808	0.029	33.821	0.032	33.837	0.027	33.858	0.010
29.406	-0.022	29.427	-0.042	29.451	-0.047	29.471	-0.036	33.870	0.002	33.892	0.005	33.912	0.012	33.934	0.023
29.496	-0.049	29.513	-0.041	29.530	-0.034	29.551	-0.019	33.959	0.022	33.976	0.029	34.003	0.051	34.028	0.050
29.568	0.021	29.590	0.028	29.611	0.028	29.632	0.019	34.046	0.069	34.068	0.090	34.101	0.088	34.122	0.078
29.655	0.019	29.677	0.018	29.700	0.002	29.721	0.009	34.134	0.078	34.157	0.093	34.187	0.088	34.206	0.084
29.728	0.005	29.739	0.001	29.763	-0.004	29.778	-0.004	34.229	0.067	34.255	0.058	34.277	0.062	34.306	0.073
29.805	-0.008	29.823	0.000	29.839	0.008	29.857	0.004	34.328	0.072	34.342	0.068	34.366	0.047	34.390	0.035
29.879	0.008	29.894	0.008	29.912	0.016	29.933	0.040	34.421	0.066	34.440	0.062	34.465	0.037	34.489	0.029
29.956	0.075	29.979	0.079	29.998	0.079	30.019	0.095	34.512	0.032	34.534	0.036	34.555	0.035	34.578	0.015
30.047	0.115	30.063	0.127	30.087	0.135	30.106	0.123	34.592	-0.005	34.608	-0.030	34.629	-0.042	34.653	-0.043
30.132	0.100	30.154	0.088	30.178	0.089	30.199	0.077	34.671	-0.023	34.689	0.004	34.716	0.027	34.734	0.019
30.213	0.081	30.239	0.061	30.252	0.066	30.272	0.070	34.752	0.026	34.769	0.042	34.792	0.065	34.813	0.069
30.292	0.094	30.309	0.102	30.334	0.110	30.350	0.110	34.834	0.076	34.850	0.084	34.868	0.075	34.896	0.063
30.367	0.102	30.390	0.086	30.401	0.086	30.428	0.098	34.914	0.066	34.931	0.086	34.950	0.081	34.963	0.077
30.446	0.106	30.465	0.090	30.482	0.073	30.508	0.041	35.042	0.080	35.095	0.076	35.017	0.080	35.032	0.099
30.535	0.032	30.552	0.039	30.580	0.010	30.591	0.014	35.130	0.109	35.146	0.134	35.087	0.137	35.107	0.117
30.606	0.037	30.631	0.059	30.657	0.078	30.684	0.081	35.193	0.084	35.206	0.087	35.223	0.095	35.249	0.084
30.708	0.068	30.732	0.082	30.747	0.094	30.766	0.089	35.267	0.114	35.289	0.097	35.312	0.113	35.335	0.120
30.796	0.099	30.816	0.086	30.833	0.073	30.856	0.061	35.368	0.120	35.368	0.119	35.391	0.135	35.412	0.135
30.879	0.033	30.898	0.025	30.921	0.025	30.941	0.024	35.434	0.122	35.454	0.118	35.474	0.118	35.498	0.117
30.967	0.016	30.990	0.020	31.016	0.016	31.033	0.004	35.522	0.113	35.539	0.105	35.560	0.097	35.577	0.096
31.065	0.021	31.084	0.025	31.112	0.042	31.137	0.058	35.599	0.104	35.617	0.100	35.627	0.092	35.637	0.084
31.161	0.067	31.185	0.067	31.208	0.052	31.237	0.025	35.654	0.086	35.695	0.068	35.721	0.088	35.741	0.084
31.256	0.042	31.280	0.034	31.294	0.023	31.323	0.019	35.769	0.111	35.769	0.110	35.798	0.106	35.825	0.086
31.343	0.023	31.374	0.036	31.398	0.028	31.416	0.032	35.853	0.066	35.874	0.062	35.901	0.050	35.928	0.033
31.432	0.040	31.461	0.044	31.484	0.025	31.504	0.021	35.955	0.013	35.987	0.003	36.011	0.013	36.036	0.016
31.516	0.025	31.543	0.057	31.563	0.057	31.567	0.049	36.059	0.008	36.088	-0.004	36.111	-0.025	36.131	-0.037
31.590	0.041	31.612	0.036	31.631	0.056	31.649	0.063	36.162	-0.033	36.190	-0.057	36.217	-0.078	36.242	-0.094
31.682	0.059	31.699	0.050	31.722	0.033	31.750	0.033	36.265	-0.102	36.289	-0.106	36.319	-0.099	36.338	-0.091
31.762	0.040	31.783	0.028	31.812	0.031	31.841	0.030	36.354	-0.097	36.372	-0.072	36.398	-0.048	36.422	-0.040
31.869	0.046	31.897	0.034	31.922	0.033	31.940	0.029								



36.449	-0.049	36.468	-0.045	36.487	-0.033	36.511	-0.029	41.532	-0.002	41.556	-0.002	41.578	-0.002	41.615	-0.010
36.544	-0.034	36.568	-0.034	36.585	-0.030	36.601	-0.034	41.628	0.002	41.656	0.002	41.677	-0.005	41.689	-0.013
36.618	-0.042	36.637	-0.043	36.655	-0.047	36.680	-0.047	41.704	-0.029	41.723	-0.037	41.744	-0.029	41.766	-0.037
36.695	-0.059	36.706	-0.063	36.728	-0.080	36.746	-0.084	41.784	-0.045	41.816	-0.029	41.850	-0.037	41.876	-0.025
36.752	-0.080	36.765	-0.076	36.785	-0.065	36.806	-0.053	41.900	-0.037	41.924	-0.045	41.939	-0.041	41.964	-0.041
36.820	-0.062	36.835	-0.070	36.859	-0.058	36.890	-0.047	41.990	-0.068	42.017	-0.076	42.037	-0.068	42.059	-0.060
36.922	-0.052	36.945	-0.064	36.961	-0.073	36.976	-0.081	42.083	-0.080	42.111	-0.076	42.146	-0.056	42.172	-0.068
36.997	-0.077	37.020	-0.066	37.038	-0.059	37.062	-0.047	42.196	-0.072	42.227	-0.080	42.248	-0.076	42.274	-0.088
37.086	-0.048	37.111	-0.044	37.134	-0.053	37.141	-0.053	42.302	-0.080	42.329	-0.080	42.358	-0.073	42.383	-0.089
37.158	-0.057	37.177	-0.054	37.198	-0.054	37.219	-0.063	42.416	-0.089	42.437	-0.077	42.469	-0.070	42.489	-0.066
37.239	-0.067	37.254	-0.072	37.274	-0.080	37.294	-0.065	42.520	-0.062	42.539	-0.070	42.569	-0.070	42.593	-0.051
37.313	-0.037	37.335	-0.030	37.358	-0.038	37.376	-0.046	42.620	-0.047	42.651	-0.051	42.670	-0.050	42.689	-0.066
37.397	-0.046	37.415	-0.018	37.434	0.014	37.458	-0.006	42.714	-0.086	42.736	-0.078	42.769	-0.065	42.798	-0.049
37.481	-0.002	37.503	-0.014	37.527	-0.042	37.555	-0.046	42.817	-0.053	42.840	-0.040	42.863	-0.032	42.891	-0.019
37.580	-0.038	37.601	-0.002	37.633	0.002	37.651	-0.002	42.917	-0.022	42.947	-0.009	42.978	-0.009	43.003	-0.012
37.672	0.006	37.687	0.014	37.735	0.002	37.754	-0.026	43.025	-0.023	43.049	-0.037	43.079	-0.022	43.091	-0.022
37.794	-0.002	37.814	-0.026	37.836	-0.022	37.861	0.002	43.119	-0.033	43.151	-0.016	43.175	-0.019	43.198	-0.015
37.888	0.010	37.906	0.006	37.931	0.006	37.960	0.010	43.231	-0.002	43.254	0.002	43.286	-0.001	43.312	0.007
37.993	-0.007	37.999	-0.027	38.026	-0.035	38.046	-0.015	43.340	0.003	43.364	0.011	43.387	0.015	43.424	0.043
38.067	-0.012	38.102	-0.028	38.126	-0.036	38.156	-0.013	43.438	0.047	43.459	0.048	43.470	0.048	43.482	0.052
38.185	-0.037	38.212	-0.018	38.226	-0.022	38.245	-0.022	43.505	0.063	43.526	0.061	43.554	0.062	43.569	0.054
38.258	-0.023	38.277	-0.023	38.295	-0.023	38.318	-0.012	43.585	0.063	43.604	0.063	43.624	0.064	43.645	0.061
38.343	0.016	38.378	0.007	38.401	0.003	38.422	0.003	43.665	0.057	43.681	0.054	43.699	0.050	43.716	0.047
38.449	-0.002	38.480	-0.006	38.512	0.001	38.539	0.001	43.732	0.051	43.751	0.048	43.766	0.045	43.780	0.045
38.565	0.009	38.591	0.012	38.615	-0.004	38.635	-0.020	43.796	0.045	43.811	0.046	43.827	0.050	43.843	0.051
38.648	-0.036	38.668	-0.032	38.686	-0.028	38.703	-0.021	43.858	0.055	43.873	0.055	43.890	0.056	43.904	0.060
38.726	-0.021	38.746	-0.017	38.762	-0.014	38.780	-0.006	43.918	0.060	43.941	0.061	43.965	0.066	43.994	0.066
38.798	-0.010	38.817	-0.006	38.832	-0.018	38.851	-0.015	44.018	0.067	44.040	0.067	44.062	0.071	44.081	0.075
38.875	0.001	38.897	0.016	38.923	0.024	38.938	0.024	44.103	0.084	44.124	0.092	44.148	0.100	44.177	0.108
38.958	0.043	38.978	0.079	39.008	0.078	39.031	0.058	44.193	0.113	44.211	0.117	44.231	0.129	44.249	0.129
39.058	0.070	39.081	0.050	39.104	0.034	39.125	0.033	44.266	0.133	44.285	0.129	44.300	0.133	44.314	0.133
39.139	0.025	39.154	0.017	39.194	0.024	39.219	0.024	44.328	0.141	44.341	0.141	44.359	0.141	44.381	0.141
39.233	0.028	39.255	0.035	39.278	0.051	39.299	0.058	44.405	0.141	44.428	0.133	44.453	0.125	44.470	0.117
39.315	0.066	39.341	0.066	39.363	0.061	39.380	0.061	44.485	0.129	44.505	0.125	44.524	0.125	44.542	0.125
39.408	0.077	39.436	0.052	39.465	0.028	39.499	0.032	44.561	0.125	44.585	0.117	44.604	0.109	44.623	0.109
39.525	0.039	39.550	0.039	39.572	0.031	39.604	-0.005	44.639	0.101	44.656	0.101	44.674	0.101	44.692	0.093
39.631	-0.001	39.654	0.023	39.688	0.042	39.712	0.030	44.712	0.093	44.742	0.093	44.763	0.081	44.784	0.073
39.738	0.038	39.767	0.054	39.781	0.046	39.801	0.038	44.807	0.069	44.828	0.061	44.845	0.049	44.864	0.045
39.833	0.041	39.855	0.041	39.874	0.045	39.907	0.065	44.885	0.037	44.903	0.029	44.922	0.029	44.935	0.021
39.924	0.065	39.955	0.064	39.975	0.064	39.988	0.069	44.950	0.021	44.964	0.017	44.980	0.009	44.996	0.010
40.010	0.072	40.011	0.072	40.029	0.068	40.040	0.067	45.014	0.002	45.035	0.006	45.057	-0.002	45.077	-0.006
40.062	0.067	40.082	0.059	40.101	0.059	40.115	0.059	45.094	-0.018	45.111	-0.018	45.133	-0.029	45.153	-0.029
40.151	0.066	40.181	0.058	40.204	0.042	40.216	0.038	45.175	-0.033	45.195	-0.033	45.216	-0.037	45.240	-0.041
40.238	0.045	40.257	0.045	40.284	0.037	40.305	0.029	45.262	-0.045	45.284	-0.053	45.300	-0.061	45.323	-0.069
40.331	0.033	40.354	0.029	40.378	0.040	40.398	0.040	45.342	-0.077	45.360	-0.081	45.377	-0.081	45.396	-0.086
40.425	0.076	40.458	0.068	40.484	0.064	40.513	0.056	45.417	-0.094	45.434	-0.098	45.448	-0.102	45.467	-0.098
40.534	0.055	40.564	0.032	40.593	0.016	40.617	0.007	45.491	-0.106	45.508	-0.106	45.525	-0.105	45.554	-0.105
40.658	-0.005	40.685	-0.013	40.702	-0.013	40.726	-0.013	45.573	-0.117	45.591	-0.113	45.616	-0.109	45.639	-0.104
40.752	-0.001	40.786	0.003	40.821	0.027	40.843	0.035	45.665	-0.100	45.689	-0.095	45.707	-0.099	45.733	-0.094
40.866	0.035	40.893	0.031	40.924	0.027	40.945	0.039	45.754	-0.098	45.777	-0.098	45.797	-0.097	45.819	-0.101
40.968	0.031	40.998	0.014	41.022	0.010	41.036	0.006	45.840	-0.101	45.864	-0.100	45.889	-0.100	45.918	-0.100
41.060	-0.006	41.088	0.002	41.126	0.005	41.144	0.017	45.944	-0.100	45.971	-0.099	46.003	-0.099	46.030	-0.087
41.169	0.036	41.196	0.032	41.218	0.024	41.233	0.024	46.055	-0.095	46.085	-0.095	46.108	-0.095	46.140	-0.091
41.261	0.036	41.281	0.024	41.311	0.021	41.326	0.015	46.173	-0.091	46.203	-0.087	46.229	-0.075	46.253	-0.071
41.347	-0.001	41.362	-0.005	41.380	-0.013	41.407	-0.021	46.273	-0.063	46.295	-0.063	46.314	-0.063	46.333	-0.063
41.431	-0.005	41.462	0.006	41.481	-0.002	41.501	-0.006	46.351	-0.067	46.367	-0.067	46.383	-0.063	46.401	-0.063



46.422	-0.063	46.437	-0.059	46.456	-0.059	46.478	-0.055	52.475	-0.021	52.512	-0.022	52.542	-0.023	52.570	-0.029
46.493	-0.047	46.512	-0.040	46.527	-0.028	46.547	-0.024	52.606	-0.028	52.648	-0.035	52.690	-0.034	52.729	-0.033
46.564	-0.020	46.582	-0.016	46.598	-0.008	46.614	-0.008	52.768	-0.032	52.811	-0.031	52.847	-0.034	52.873	-0.025
46.634	-0.004	46.650	-0.005	46.668	-0.005	46.672	-0.009	52.912	-0.020	52.937	-0.011	52.974	-0.002	53.007	0.011
46.744	-0.005	46.764	-0.001	46.786	-0.002	46.805	0.005	53.045	0.020	53.074	0.022	53.129	0.029	53.183	0.031
46.826	0.010	46.842	0.010	46.861	0.010	46.884	0.005	53.227	0.036	53.270	0.045	53.333	0.047	53.391	0.044
46.900	0.009	46.920	0.013	46.939	0.013	46.957	0.013	53.441	0.044	53.497	0.052	53.533	0.041	53.570	0.034
46.979	0.017	46.995	0.016	47.013	0.016	47.035	0.020	53.604	0.047	53.650	0.048	53.715	0.046	53.776	0.036
47.055	0.028	47.073	0.028	47.092	0.040	47.109	0.044	53.824	0.030	53.870	0.023	53.910	0.017	53.966	0.007
47.130	0.048	47.150	0.048	47.168	0.056	47.188	0.060	54.015	-0.003	54.019	-0.003	54.025	-0.002	54.030	-0.006
47.208	0.068	47.228	0.072	47.248	0.072	47.269	0.068	54.035	-0.006	54.040	-0.010	54.095	-0.009	54.095	-0.009
47.288	0.073	47.308	0.077	47.327	0.085	47.346	0.089	54.122	-0.013	54.158	-0.021	54.193	-0.033	54.224	-0.037
47.368	0.085	47.389	0.082	47.408	0.082	47.429	0.090	54.253	-0.041	54.281	-0.045	54.306	-0.041	54.334	-0.034
47.432	0.090	47.471	0.082	47.496	0.079	47.522	0.063	54.365	-0.030	54.397	-0.022	54.426	-0.026	54.456	-0.026
47.533	0.063	47.571	0.063	47.602	0.063	47.629	0.067	54.475	-0.018	54.499	-0.014	54.518	-0.014	54.539	-0.014
47.657	0.056	47.687	0.056	47.714	0.056	47.740	0.052	54.561	-0.014	54.584	-0.022	54.603	-0.014	54.629	-0.018
47.766	0.040	47.792	0.037	47.819	0.033	47.849	0.025	54.655	-0.018	54.679	-0.014	54.705	-0.010	54.732	-0.010
47.872	0.022	47.899	0.014	47.921	0.006	47.948	-0.001	54.755	-0.006	54.782	0.002	54.807	0.006	54.833	0.013
47.970	-0.001	47.994	-0.013	48.020	-0.009	48.053	-0.009	54.860	0.013	54.886	0.017	54.911	0.013	54.933	0.013
48.085	-0.004	48.111	-0.004	48.136	-0.004	48.164	-0.004	54.951	0.017	54.976	0.009	55.001	0.009	55.023	0.009
48.193	0.000	48.220	0.000	48.244	-0.004	48.268	-0.011	55.041	0.006	55.060	0.010	55.084	0.011	55.103	0.011
48.299	-0.011	48.326	-0.007	48.349	-0.003	48.376	-0.003	55.128	0.019	55.146	0.015	55.164	0.012	55.188	0.012
48.398	-0.007	48.420	-0.010	48.444	-0.006	48.466	-0.010	55.209	0.012	55.232	0.012	55.255	0.004	55.272	0.004
48.486	-0.010	48.508	-0.010	48.531	-0.014	48.549	-0.022	55.298	0.004	55.323	0.000	55.343	0.000	55.361	0.004
48.569	-0.030	48.596	-0.026	48.622	-0.031	48.651	-0.027	55.380	0.000	55.409	0.004	55.442	0.000	55.464	-0.000
48.677	-0.023	48.695	-0.028	48.717	-0.020	48.739	-0.012	55.494	-0.000	55.518	-0.000	55.548	0.003	55.574	0.011
48.759	-0.009	48.774	-0.005	48.791	-0.005	48.810	-0.001	55.603	0.015	55.625	0.023	55.654	0.026	55.684	0.030
48.828	-0.009	48.847	0.002	48.868	0.006	48.892	0.013	55.708	0.033	55.736	0.029	55.769	0.025	55.798	0.016
48.916	0.014	48.936	0.017	48.959	0.017	48.983	0.013	55.828	0.008	55.853	0.007	55.887	0.010	55.923	0.009
49.009	0.013	49.031	0.013	49.052	0.013	49.078	0.020	55.921	0.013	55.981	0.012	56.016	0.003	56.045	-0.002
49.102	0.020	49.129	0.028	49.155	0.036	49.179	0.045	56.077	-0.003	56.101	0.000	56.132	-0.001	56.158	-0.001
49.201	0.053	49.230	0.061	49.254	0.062	49.285	0.074	56.186	-0.002	56.213	0.001	56.236	0.005	56.260	0.008
49.315	0.075	49.345	0.075	49.376	0.072	49.402	0.072	56.382	0.007	56.408	0.013	56.437	0.017	56.461	0.016
49.429	0.068	49.458	0.072	49.487	0.073	49.515	0.073	56.490	0.016	56.515	0.012	56.544	0.008	56.569	0.007
49.546	0.078	49.576	0.074	49.604	0.074	49.631	0.075	56.594	-0.001	56.623	-0.002	56.654	-0.002	56.686	-0.003
49.659	0.075	49.687	0.075	49.715	0.079	49.737	0.075	56.715	0.004	56.740	0.008	56.780	0.011	56.812	0.010
49.766	0.071	49.794	0.067	49.822	0.067	49.848	0.067	56.837	0.010	56.866	0.001	56.895	-0.003	56.919	-0.007
49.872	0.067	49.900	0.068	49.929	0.068	49.952	0.056	56.950	0.001	56.982	0.008	57.002	0.004	57.028	0.008
49.976	0.056	49.998	0.056	50.025	0.053	50.048	0.049	57.059	0.012	57.085	0.016	57.106	0.019	57.133	0.015
50.075	0.045	50.104	0.037	50.128	0.029	50.153	0.022	57.154	0.007	57.175	0.007	57.207	0.011	57.231	0.011
50.179	0.014	50.210	0.014	50.241	0.005	50.267	-0.003	57.254	0.011	57.273	0.011	57.288	0.015	57.306	0.015
50.343	-0.003	50.342	-0.008	50.372	-0.016	50.413	-0.021	57.319	0.019	57.342	0.004	57.354	0.000	57.373	0.001
50.453	-0.021	50.494	-0.022	50.536	-0.019	50.582	-0.023	57.400	0.002	57.427	-0.002	57.453	-0.006	57.479	-0.005
50.629	-0.024	50.664	-0.028	50.709	-0.025	50.757	-0.033	57.503	-0.009	57.525	-0.013	57.550	-0.014	57.569	-0.022
50.789	-0.049	50.814	-0.046	50.845	-0.042	50.870	-0.050	57.593	-0.023	57.613	-0.024	57.642	-0.021	57.668	-0.026
50.890	-0.051	50.930	-0.046	50.956	-0.050	50.989	-0.041	57.693	-0.023	57.716	-0.020	57.743	-0.017	57.776	-0.014
51.017	-0.032	51.047	-0.027	51.076	-0.026	51.095	-0.021	57.805	-0.015	57.834	-0.011	57.860	-0.007	57.888	0.004
51.119	-0.024	51.162	-0.027	51.210	-0.029	51.238	-0.040	57.915	0.004	57.949	0.004	57.980	-0.001	58.012	-0.001
51.262	-0.040	51.297	-0.040	51.327	-0.033	51.356	-0.037	58.048	-0.009	58.079	-0.005	58.105	-0.010	58.129	-0.010
51.390	-0.033	51.429	-0.030	51.484	-0.034	51.554	-0.035	58.164	-0.009	58.195	-0.009	58.216	-0.013	58.242	-0.017
51.614	-0.036	51.661	-0.035	51.716	-0.039	51.755	-0.039	58.268	-0.020	58.291	-0.028	58.304	-0.028	58.337	-0.024
51.787	-0.038	51.819	-0.025	51.852	-0.025	51.895	-0.020	58.361	-0.024	58.387	-0.013	58.413	-0.013	58.437	-0.006
51.929	-0.007	51.965	-0.002	52.001	-0.001	52.040	0.003	58.465	-0.014	58.492	-0.015	58.518	-0.023	58.545	-0.031
52.077	0.003	52.112	0.003	52.143	0.004	52.180	0.000	58.568	-0.036	58.590	-0.035	58.615	-0.034	58.640	-0.030
52.210	-0.004	52.244	-0.000	52.275	-0.008	52.308	-0.009	58.665	-0.025	58.688	-0.025	58.717	-0.019	58.740	-0.018
52.340	-0.009	52.367	-0.009	52.396	-0.021	52.441	-0.021								



58.764	-0.017	58.789	-0.016	58.812	-0.043	58.863	-0.037	64.264	0.019	64.282	0.024	64.300	0.020	64.315	0.016
58.889	-0.036	58.920	-0.035	58.945	-0.042	58.976	-0.049	64.332	0.021	64.351	0.017	64.370	0.010	64.395	0.006
59.005	-0.049	59.037	-0.052	59.062	-0.052	59.086	-0.056	64.418	0.003	64.446	-0.000	64.476	0.000	64.505	0.001
59.110	-0.056	59.133	-0.056	59.159	-0.059	59.188	-0.060	64.539	-0.006	64.572	-0.005	64.597	-0.005	64.619	-0.013
59.216	-0.064	59.235	-0.060	59.269	-0.060	59.300	-0.061	64.658	-0.016	64.683	-0.024	64.706	-0.039	64.740	-0.037
59.330	-0.053	59.363	-0.053	59.395	-0.045	59.432	-0.045	64.768	-0.019	64.793	-0.038	64.816	-0.037	64.836	-0.036
59.467	-0.044	59.497	-0.043	59.525	-0.043	59.558	-0.042	64.852	-0.040	64.868	-0.039	64.883	-0.046	64.900	-0.046
59.574	-0.041	59.602	-0.037	59.625	-0.033	59.656	-0.025	64.919	-0.054	64.939	-0.046	64.964	-0.034	64.990	-0.029
59.697	-0.021	59.731	-0.021	59.766	-0.021	59.797	-0.029	65.013	-0.033	65.037	-0.033	65.061	-0.041	65.076	-0.045
59.829	-0.030	59.863	-0.029	59.900	-0.029	59.928	-0.021	65.094	-0.045	65.114	-0.045	65.134	-0.045	65.152	-0.041
59.956	-0.017	59.991	-0.017	60.019	-0.012	60.049	-0.016	65.171	-0.045	65.186	-0.045	65.205	-0.045	65.225	-0.049
60.076	-0.012	60.109	-0.008	60.143	-0.003	60.176	0.001	65.240	-0.053	65.265	-0.045	65.284	-0.045	65.298	-0.045
60.213	0.001	60.245	0.010	60.282	0.011	60.318	0.016	65.315	-0.045	65.335	-0.045	65.352	-0.045	65.372	-0.045
60.353	0.025	60.384	0.030	60.420	0.031	60.452	0.028	65.389	-0.044	65.409	-0.044	65.430	-0.044	65.451	-0.039
60.486	0.029	60.517	0.034	60.543	0.034	60.563	0.027	65.468	-0.043	65.489	-0.038	65.515	-0.038	65.547	-0.037
60.592	0.023	60.617	0.020	60.641	0.020	60.664	0.020	65.573	-0.027	65.602	-0.021	65.627	-0.020	65.649	-0.019
60.683	0.021	60.700	0.025	60.720	0.025	60.739	0.021	65.671	-0.018	65.693	-0.017	65.716	-0.017	65.742	-0.018
60.760	0.021	60.781	0.022	60.801	0.018	60.820	0.026	65.761	-0.019	65.784	-0.016	65.806	-0.013	65.826	-0.013
60.838	0.022	60.861	0.022	60.881	0.022	60.900	0.022	65.853	-0.014	65.876	-0.014	65.898	-0.015	65.915	-0.015
60.916	0.022	60.939	0.030	60.956	0.034	60.971	0.038	65.939	-0.011	65.959	-0.011	65.984	-0.015	66.004	-0.014
60.991	0.038	61.008	0.046	61.026	0.046	61.055	0.050	66.026	-0.010	66.046	-0.009	66.065	-0.005	66.082	-0.005
61.080	0.054	61.101	0.058	61.126	0.058	61.149	0.058	66.105	-0.002	66.120	-0.002	66.140	-0.007	66.160	-0.004
61.167	0.061	61.191	0.061	61.209	0.061	61.230	0.065	66.177	-0.005	66.196	-0.002	66.215	-0.007	66.235	-0.000
61.253	0.065	61.276	0.061	61.298	0.061	61.316	0.053	66.252	0.003	66.270	0.003	66.289	0.010	66.305	0.013
61.335	0.052	61.355	0.052	61.380	0.047	61.402	0.043	66.322	0.021	66.339	0.020	66.353	0.023	66.368	0.027
61.426	0.042	61.446	0.033	61.465	0.033	61.486	0.025	66.385	0.026	66.404	0.025	66.421	0.028	66.438	0.031
61.512	0.025	61.537	0.024	61.561	0.024	61.585	0.028	66.455	0.030	66.476	0.029	66.495	0.028	66.513	0.031
61.607	0.024	61.627	0.028	61.652	0.031	61.674	0.039	66.532	0.030	66.556	0.029	66.575	0.028	66.592	0.036
61.700	0.039	61.725	0.043	61.747	0.042	61.767	0.042	66.610	0.035	66.631	0.035	66.651	0.034	66.670	0.033
61.793	0.041	61.819	0.037	61.844	0.032	61.869	0.032	66.690	0.029	66.707	0.028	66.727	0.023	66.749	0.023
61.890	0.028	61.908	0.023	61.930	0.023	61.949	0.023	66.760	0.012	66.782	0.012	66.803	0.020	66.825	0.016
62.041	0.022	62.060	0.007	62.083	0.011	62.104	0.007	66.860	0.015	66.882	0.019	66.903	0.023	66.925	0.027
62.125	0.004	62.147	0.004	62.175	0.001	62.203	-0.002	66.944	0.015	66.961	0.019	66.976	0.023	66.991	0.027
62.227	-0.006	62.250	-0.009	62.283	-0.020	62.320	-0.016	67.077	0.035	67.098	0.025	67.115	0.030	67.134	0.024
62.350	-0.019	62.374	-0.015	62.401	-0.022	62.425	-0.022	67.154	0.024	67.175	0.020	67.198	0.016	67.217	0.012
62.446	-0.021	62.472	-0.021	62.485	-0.025	62.506	-0.024	67.238	0.016	67.257	0.012	67.278	0.016	67.297	0.016
62.525	-0.020	62.546	-0.020	62.577	-0.020	62.601	-0.011	67.317	0.016	67.334	0.016	67.356	0.020	67.376	0.016
62.619	-0.019	62.640	-0.011	62.664	-0.015	62.691	-0.014	67.471	0.013	67.491	0.009	67.507	0.013	67.521	0.013
62.712	-0.018	62.737	-0.014	62.756	-0.010	62.781	-0.010	67.551	0.009	67.567	0.009	67.590	0.004	67.610	0.009
62.808	-0.014	62.836	-0.014	62.861	-0.015	62.890	-0.019	67.630	0.003	67.651	-0.001	67.671	-0.002	67.692	-0.002
62.914	-0.019	62.931	-0.023	62.949	-0.024	62.964	-0.028	67.792	0.002	67.813	0.006	67.836	0.007	67.855	0.012
62.980	-0.028	62.998	-0.024	63.021	-0.024	63.044	-0.024	67.971	0.002	67.992	0.012	68.005	0.016	68.024	0.013
63.067	-0.028	63.094	-0.033	63.115	-0.033	63.138	-0.032	68.046	0.008	68.067	0.019	68.090	0.019	68.109	0.015
63.157	-0.028	63.173	-0.028	63.194	-0.036	63.218	-0.035	68.132	0.011	68.156	0.012	68.178	0.012	68.198	0.013
63.243	-0.039	63.270	-0.039	63.293	-0.039	63.318	-0.038	68.219	0.018	68.239	0.014	68.263	0.014	68.284	0.014
63.341	-0.042	63.364	-0.042	63.389	-0.042	63.409	-0.045	68.309	0.018	68.336	0.018	68.354	0.018	68.377	0.018
63.429	-0.038	63.446	-0.038	63.464	-0.042	63.482	-0.045	68.473	0.003	68.492	0.006	68.513	-0.000	68.544	0.010
63.502	-0.045	63.521	-0.045	63.541	-0.040	63.568	-0.036	68.556	0.005	68.582	0.005	68.603	0.006	68.624	0.007
63.580	-0.044	63.601	-0.040	63.638	-0.040	63.668	-0.026	68.641	-0.003	68.660	-0.002	68.683	-0.002	68.709	-0.002
63.698	-0.035	63.724	-0.027	63.752	-0.030	63.786	-0.026	68.731	-0.002	68.751	-0.002	68.772	-0.001	68.797	-0.005
63.812	-0.025	63.839	-0.021	63.870	-0.020	63.895	-0.020	68.819	-0.005	68.836	-0.012	68.855	-0.015	68.874	-0.013
63.926	-0.016	63.951	-0.007	63.976	-0.003	64.003	0.003								
64.011	-0.002	64.036	-0.002	64.054	-0.001	64.073	0.003								
64.094	0.004	64.112	0.004	64.135	0.004	64.156	0.009								
64.175	0.009	64.197	0.010	64.219	0.014	64.245	0.023								



68.893	-0.012	68.914	-0.018	68.934	-0.013	68.956	-0.008	73.104	0.055	73.128	0.055	73.149	0.051	73.175	0.047
68.976	-0.006	68.997	-0.006	69.013	-0.007	69.027	-0.007	73.199	0.039	73.217	0.031	73.237	0.038	73.264	0.038
69.040	-0.008	69.076	-0.008	69.076	-0.008	69.094	-0.012	73.298	0.038	73.319	0.049	73.342	0.037	73.360	0.037
69.112	-0.013	69.127	-0.009	69.144	-0.001	69.162	-0.006	73.378	0.033	73.401	0.032	73.418	0.024	73.438	0.020
69.177	-0.006	69.192	-0.002	69.209	0.002	69.230	0.006	73.574	0.016	73.584	0.016	73.603	0.016	73.621	0.016
69.246	0.006	69.263	0.002	69.278	0.002	69.295	0.002	73.668	0.011	73.695	0.015	73.715	0.022	73.740	0.019
69.310	-0.005	69.324	-0.005	69.338	-0.009	69.354	-0.013	73.774	0.018	73.804	0.026	73.830	0.018	73.861	0.019
69.429	-0.033	69.443	-0.033	69.460	-0.033	69.475	-0.025	74.000	0.016	74.026	0.013	74.053	0.020	74.080	0.020
69.492	-0.037	69.509	-0.041	69.527	-0.045	69.546	-0.050	74.117	0.017	74.148	0.020	74.179	0.008	74.210	0.006
69.564	-0.050	69.579	-0.047	69.598	-0.055	69.610	-0.055	74.303	-0.015	74.339	-0.023	74.370	-0.023	74.397	-0.035
69.628	-0.056	69.645	-0.056	69.660	-0.052	69.675	-0.053	74.426	-0.035	74.457	-0.043	74.485	-0.035	74.515	-0.032
69.686	-0.053	69.700	-0.053	69.717	-0.053	69.733	-0.062	74.549	-0.043	74.583	-0.051	74.611	-0.050	74.658	-0.049
69.748	-0.058	69.767	-0.054	69.785	-0.054	69.800	-0.054	74.687	-0.052	74.718	-0.050	74.751	-0.049	74.774	-0.049
69.822	-0.062	69.844	-0.066	69.859	-0.067	69.872	-0.063	74.801	-0.060	74.833	-0.055	74.861	-0.062	74.883	-0.066
69.893	-0.063	69.914	-0.063	69.932	-0.055	69.949	-0.047	74.902	-0.069	74.935	-0.073	74.956	-0.068	74.996	-0.068
70.045	-0.055	70.064	-0.043	70.079	-0.043	70.093	-0.051	75.040	-0.071	75.079	-0.071	75.117	-0.075	75.143	-0.066
70.107	-0.046	70.129	-0.047	70.151	-0.039	70.171	-0.024	75.172	-0.058	75.215	-0.054	75.270	-0.052	75.324	-0.047
70.191	-0.023	70.210	-0.024	70.228	-0.024	70.260	-0.024	75.388	-0.037	75.437	-0.035	75.483	-0.025	75.488	-0.012
70.288	-0.033	70.310	-0.025	70.330	-0.030	70.350	-0.034	75.510	-0.007	75.532	-0.006	75.570	-0.017	75.596	-0.008
70.371	-0.031	70.395	-0.031	70.412	-0.035	70.435	-0.042	75.621	-0.003	75.642	-0.001	75.662	0.001	75.685	0.010
70.451	-0.035	70.477	-0.035	70.501	-0.039	70.518	-0.042	75.704	0.018	75.725	0.020	75.743	0.023	75.762	0.020
70.536	-0.042	70.561	-0.038	70.565	-0.033	70.583	-0.029	75.784	0.020	75.801	0.020	75.815	0.017	75.836	0.009
70.604	-0.033	70.625	-0.032	70.641	-0.032	70.652	-0.028	75.855	0.006	75.873	0.006	75.891	-0.001	75.915	-0.001
70.667	-0.028	70.689	-0.028	70.706	-0.032	70.725	-0.032	75.935	-0.004	75.959	0.000	75.979	0.001	76.005	0.002
70.742	-0.031	70.759	-0.031	70.775	-0.027	70.788	-0.027	76.026	0.003	76.042	0.003	76.067	0.000	76.082	-0.003
70.802	-0.023	70.813	-0.019	70.828	-0.023	70.840	-0.023	76.101	-0.003	76.117	0.005	76.136	-0.002	76.157	-0.002
70.860	-0.028	70.878	-0.028	70.895	-0.025	70.916	-0.017	76.175	-0.002	76.197	-0.003	76.213	0.005	76.237	0.005
70.928	-0.014	70.944	-0.018	70.964	-0.018	70.985	-0.018	76.255	0.004	76.276	0.008	76.296	-0.004	76.321	-0.012
71.005	-0.023	71.023	-0.019	71.043	-0.015	71.059	-0.016	76.345	-0.013	76.367	-0.013	76.386	-0.013	76.406	-0.010
71.079	-0.016	71.097	-0.016	71.111	-0.020	71.130	-0.012	76.428	-0.002	76.446	-0.003	76.464	-0.001	76.488	-0.005
71.148	-0.012	71.169	-0.013	71.191	-0.009	71.207	-0.009	76.509	-0.001	76.528	-0.013	76.545	-0.009	76.564	-0.009
71.229	-0.009	71.260	-0.009	71.288	-0.009	71.315	-0.009	76.581	-0.013	76.598	-0.009	76.614	-0.014	76.632	-0.014
71.345	-0.013	71.372	-0.004	71.396	-0.003	71.411	-0.001	76.645	-0.018	76.664	-0.018	76.680	-0.015	76.696	-0.015
71.427	0.006	71.450	-0.002	71.469	-0.005	71.487	-0.017	76.710	-0.015	76.729	-0.013	76.744	-0.012	76.759	-0.011
71.500	-0.009	71.521	-0.005	71.541	-0.001	71.558	0.003	76.841	-0.020	76.857	-0.015	76.873	-0.019	76.888	-0.018
71.578	0.015	71.594	0.016	71.612	0.007	71.629	0.001	76.908	-0.018	76.923	-0.018	76.938	-0.018	76.956	-0.013
71.645	0.000	71.662	0.002	71.677	0.001	71.697	0.001	76.978	-0.013	77.000	-0.021	77.021	-0.017	77.044	-0.021
71.712	0.000	71.727	0.004	71.747	-0.000	71.766	-0.004	77.062	-0.021	77.082	-0.017	77.105	-0.014	77.123	-0.010
71.791	-0.008	71.808	-0.005	71.830	0.003	71.848	0.007	77.139	-0.010	77.156	-0.005	77.176	-0.009	77.194	-0.009
71.868	0.007	71.893	0.011	71.914	0.008	71.934	0.004	77.209	-0.012	77.229	-0.012	77.243	-0.016	77.259	-0.020
71.953	-0.004	71.970	0.008	71.993	0.012	72.006	0.016	77.283	-0.017	77.305	-0.009	77.327	-0.010	77.348	-0.010
72.021	0.012	72.040	0.013	72.059	0.005	72.077	0.009	77.371	-0.011	77.389	-0.004	77.410	-0.009	77.429	-0.002
72.094	0.017	72.107	0.025	72.123	0.033	72.138	0.034	77.449	-0.003	77.474	-0.004	77.491	-0.001	77.509	0.003
72.148	0.038	72.166	0.034	72.182	0.034	72.197	0.039	77.528	-0.001	77.548	-0.001	77.565	0.000	77.589	0.006
72.212	0.047	72.229	0.043	72.246	0.044	72.266	0.044	77.607	0.007	77.627	0.009	77.651	0.011	77.675	0.013
72.283	0.044	72.299	0.048	72.316	0.049	72.333	0.053	77.696	0.014	77.714	0.019	77.729	0.016	77.747	0.020
72.353	0.057	72.371	0.061	72.385	0.058	72.402	0.054	77.764	0.019	77.782	0.019	77.796	0.019	77.814	0.022
72.418	0.050	72.437	0.058	72.454	0.061	72.471	0.058	77.836	0.028	77.863	0.027	77.886	0.026	77.913	0.022
72.489	0.058	72.509	0.058	72.540	0.058	72.566	0.058	77.935	0.025	77.959	0.027	77.981	0.027	78.001	0.030
72.590	0.054	72.610	0.058	72.631	0.054	72.651	0.050	78.021	0.025	78.043	0.020	78.069	0.015	78.092	0.018
72.673	0.050	72.691	0.046	72.713	0.046	72.742	0.046	78.116	0.016	78.141	0.016	78.163	0.021	78.186	0.013
72.768	0.046	72.796	0.050	72.825	0.050	72.863	0.050	78.208	0.014	78.232	0.006	78.252	0.002	78.284	-0.001
72.890	0.055	72.915	0.047	72.938	0.043	72.967	0.052								
73.000	0.053	73.025	0.057	73.047	0.058	73.069	0.054								



78.305	-0.009	78.327	-0.005	78.355	-0.009	78.382	-0.013	83.510	0.006	83.531	0.005	83.547	0.005	83.560	-0.003
78.405	-0.018	78.426	-0.002	78.443	-0.002	78.471	-0.006	83.574	-0.003	83.586	0.001	83.605	0.005	83.623	-0.003
78.497	-0.010	78.513	-0.006	78.539	-0.010	78.564	-0.006	83.642	-0.007	83.659	-0.004	83.677	-0.008	83.695	-0.008
78.592	-0.002	78.625	-0.007	78.654	-0.003	78.677	-0.007	83.719	-0.012	83.742	-0.012	83.765	-0.012	83.786	-0.012
78.701	0.001	78.731	0.001	78.754	-0.003	78.775	-0.007	83.805	-0.020	83.820	-0.024	83.845	-0.024	83.868	-0.024
78.799	-0.011	78.822	-0.010	78.847	-0.002	78.869	-0.002	83.888	-0.020	83.913	-0.024	83.933	-0.028	83.956	-0.032
78.893	0.003	78.914	0.003	78.935	0.003	78.955	0.003	83.974	-0.028	83.993	-0.028	84.012	-0.024	84.030	-0.020
78.973	0.007	79.000	0.007	79.027	0.003	79.062	0.003	84.057	-0.024	84.081	-0.024	84.108	-0.024	84.132	-0.024
79.097	0.003	79.120	0.002	79.147	0.006	79.173	0.009	84.158	-0.023	84.187	-0.027	84.213	-0.023	84.238	-0.027
79.203	0.005	79.238	-0.000	79.269	0.004	79.296	-0.004	84.262	-0.023	84.285	-0.022	84.301	-0.022	84.322	-0.026
79.316	-0.000	79.345	-0.008	79.370	-0.008	79.408	-0.003	84.337	-0.017	84.356	-0.017	84.376	-0.013	84.398	-0.020
79.434	0.002	79.458	-0.004	79.500	-0.007	79.535	-0.009	84.423	-0.016	84.447	-0.019	84.468	-0.015	84.487	-0.023
79.560	-0.008	79.581	-0.012	79.612	-0.010	79.670	-0.005	84.510	-0.026	84.533	-0.026	84.553	-0.026	84.570	-0.018
79.713	-0.012	79.740	-0.008	79.768	-0.004	79.802	-0.012	84.593	-0.022	84.616	-0.021	84.639	-0.017	84.661	-0.017
79.828	-0.012	79.858	-0.008	79.881	-0.008	79.909	-0.008	84.684	-0.029	84.705	-0.025	84.725	-0.021	84.739	-0.017
79.944	-0.004	79.975	-0.004	80.010	-0.005	80.039	-0.009	84.757	-0.022	84.777	-0.026	84.794	-0.026	84.806	-0.034
80.069	-0.013	80.093	-0.013	80.114	-0.018	80.134	-0.014	84.824	-0.031	84.844	-0.027	84.864	-0.024	84.885	-0.032
80.160	-0.010	80.186	-0.007	80.216	0.001	80.246	0.004	84.909	-0.028	84.930	-0.033	84.950	-0.033	84.972	-0.041
80.274	0.007	80.310	0.007	80.351	0.006	80.387	0.001	84.989	-0.029	85.012	-0.029	85.033	-0.033	85.048	-0.037
80.419	-0.003	80.457	-0.004	80.487	-0.001	80.523	-0.001	85.066	-0.041	85.092	-0.041	85.125	-0.038	85.154	-0.033
80.554	0.003	80.583	-0.001	80.615	0.002	80.648	0.010	85.217	-0.028	85.233	-0.019	85.427	-0.019	85.506	-0.015
80.688	0.006	80.719	0.002	80.750	-0.002	80.778	-0.006	85.586	-0.015	85.636	-0.023	85.714	-0.023	85.795	-0.028
80.817	-0.006	80.853	-0.006	80.882	-0.014	80.897	-0.026	85.851	-0.035	85.968	-0.034	86.052	-0.029	86.127	-0.031
80.942	-0.022	80.967	-0.019	80.986	-0.011	81.009	-0.015	86.189	-0.034	86.277	-0.039	86.343	-0.036		
81.031	-0.016	81.060	-0.017	81.085	-0.021	81.104	-0.022								
81.122	-0.026	81.139	-0.034	81.152	-0.035	81.167	-0.039								
81.182	-0.039	81.199	-0.040	81.219	-0.044	81.239	-0.048								
81.260	-0.053	81.278	-0.049	81.291	-0.057	81.306	-0.061								
81.323	-0.053	81.345	-0.061	81.363	-0.061	81.378	-0.064								
81.393	-0.060	81.412	-0.056	81.431	-0.060	81.448	-0.056								
81.466	-0.055	81.483	-0.055	81.500	-0.055	81.517	-0.055								
81.531	-0.051	81.545	-0.054	81.559	-0.050	81.580	-0.046								
81.606	-0.042	81.623	-0.042	81.642	-0.037	81.657	-0.033								
81.677	-0.033	81.694	-0.037	81.714	-0.033	81.731	-0.033								
81.748	-0.033	81.764	-0.029	81.783	-0.024	81.800	-0.024								
81.817	-0.020	81.848	-0.023	81.870	-0.023	81.893	-0.023								
81.920	-0.019	81.945	-0.018	81.967	-0.014	81.994	-0.014								
82.026	-0.014	82.052	-0.013	82.076	-0.017	82.099	-0.013								
82.127	-0.013	82.139	-0.012	82.151	-0.016	82.166	-0.020								
82.182	-0.012	82.222	-0.007	82.254	-0.011	82.295	-0.010								
82.322	-0.010	82.347	-0.009	82.372	-0.009	82.390	-0.009								
82.407	-0.004	82.425	-0.000	82.444	0.004	82.458	-0.000								
82.477	0.000	82.493	-0.008	82.506	0.000	82.526	0.001								
82.544	0.005	82.563	0.005	82.581	0.009	82.601	0.006								
82.619	0.010	82.636	0.014	82.654	0.018	82.673	0.019								
82.693	0.019	82.708	0.023	82.728	0.024	82.750	0.028								
82.767	0.024	82.784	0.024	82.803	0.025	82.824	0.021								
82.844	0.021	82.861	0.021	82.879	0.021	82.894	0.022								
82.906	0.014	82.920	0.022	82.933	0.022	82.945	0.018								
82.958	0.018	82.969	0.022	82.986	0.022	83.006	0.022								
83.026	0.018	83.042	0.026	83.060	0.022	83.080	0.022								
83.098	0.022	83.112	0.022	83.131	0.022	83.148	0.022								
83.163	0.022	83.187	0.023	83.207	0.019	83.231	0.019								
83.256	0.019	83.277	0.015	83.302	0.007	83.323	0.003								
83.342	0.003	83.365	0.003	83.386	0.003	83.408	0.003								
83.429	-0.001	83.444	-0.002	83.465	0.006	83.491	0.006								







3.080	-0.178	3.088	-0.126	3.098	-0.095	3.104	-0.014	5.704	-0.025	5.711	0.015	5.722	0.035	5.726	0.070
3.110	0.004	3.121	0.024	3.135	0.059	3.144	0.095	5.737	0.114	5.749	0.118	5.764	0.107	5.777	0.079
3.156	0.114	3.167	0.122	3.175	0.106	3.188	0.074	5.785	0.043	5.793	0.012	5.802	-0.024	5.807	-0.055
3.196	0.038	3.203	0.022	3.212	-0.014	3.220	-0.022	5.813	-0.087	5.821	-0.134	5.825	-0.158	5.831	-0.194
3.238	-0.006	3.250	0.045	3.265	0.096	3.280	0.124	5.839	-0.217	5.850	-0.229	5.866	-0.241	5.880	-0.233
3.292	0.119	3.310	0.119	3.328	0.146	3.340	0.182	5.893	-0.225	5.904	-0.205	5.917	-0.204	5.932	-0.216
3.352	0.181	3.361	0.157	3.373	0.113	3.382	0.062	5.944	-0.232	5.956	-0.256	5.969	-0.260	5.986	-0.220
3.395	0.030	3.413	0.002	3.431	0.009	3.439	0.001	6.002	-0.185	6.011	-0.149	6.024	-0.134	6.035	-0.126
3.451	-0.035	3.466	-0.067	3.478	-0.087	3.482	-0.083	6.044	-0.106	6.053	-0.090	6.063	-0.063	6.074	-0.039
3.500	-0.032	3.509	0.011	3.518	0.063	3.529	0.106	6.084	-0.039	6.093	-0.071	6.106	-0.099	6.117	-0.079
3.546	0.130	3.565	0.118	3.582	0.074	3.601	0.050	6.129	-0.040	6.138	0.008	6.148	0.079	6.152	0.123
3.619	0.046	3.640	0.050	3.649	0.038	3.661	0.033	6.163	0.166	6.175	0.206	6.187	0.198	6.200	0.142
3.673	0.033	3.692	0.025	3.706	0.021	3.719	0.001	6.211	0.106	6.219	0.067	6.231	0.039	6.243	0.047
3.733	0.001	3.743	0.005	3.763	0.021	3.770	0.017	6.257	0.074	6.272	0.114	6.282	0.134	6.292	0.134
3.779	-0.007	3.793	-0.031	3.805	-0.015	3.821	0.016	6.306	0.090	6.321	0.058	6.331	0.034	6.340	0.011
3.839	0.028	3.853	0.056	3.862	0.056	3.878	0.036	6.351	0.011	6.361	0.023	6.371	0.054	6.387	0.019
3.891	0.048	3.906	0.096	3.920	0.132	3.931	0.183	6.396	0.011	6.405	-0.025	6.417	-0.072	6.427	-0.076
3.946	0.183	3.957	0.172	3.975	0.132	3.982	0.089	6.437	-0.037	6.450	-0.001	6.469	0.011	6.476	0.003
3.992	0.053	4.003	0.033	4.021	-0.010	4.040	-0.014	6.488	-0.052	6.497	-0.096	6.503	-0.119	6.509	-0.155
4.058	-0.062	4.073	-0.006	4.084	-0.002	4.102	0.022	6.521	-0.179	6.532	-0.171	6.539	-0.151	6.556	-0.111
4.112	0.062	4.125	0.097	4.145	0.129	4.160	0.129	6.569	-0.064	6.578	-0.040	6.600	-0.028	6.609	-0.028
4.175	0.125	4.196	0.106	4.204	0.086	4.214	0.062	6.622	-0.056	6.629	-0.064	6.642	-0.064	6.656	-0.033
4.217	0.050	4.227	0.042	4.239	0.066	4.251	0.126	6.672	0.011	6.683	0.030	6.690	0.066	6.706	0.117
4.259	0.189	4.266	0.225	4.278	0.233	4.286	0.213	6.723	0.129	6.730	0.129	6.743	0.113	6.754	0.085
4.295	0.169	4.303	0.134	4.311	0.094	4.315	0.062	6.766	0.065	6.783	0.068	6.796	0.064	6.806	0.052
4.323	0.038	4.329	0.019	4.333	0.003	4.339	-0.009	6.818	0.024	6.832	0.000	6.849	0.024	6.866	0.059
4.349	-0.005	4.357	0.003	4.366	0.011	4.374	0.046	6.877	0.075	6.891	0.075	6.903	0.063	6.916	0.035
4.381	0.070	4.388	0.106	4.398	0.118	4.407	0.106	6.935	-0.038	6.958	-0.025	6.968	-0.045	6.982	-0.053
4.419	0.078	4.429	0.046	4.440	0.015	4.456	0.011	7.000	-0.003	7.015	-0.025	7.027	-0.062	7.046	-0.098
4.473	0.027	4.485	0.023	4.494	0.019	4.503	0.031	7.061	-0.149	7.079	-0.165	7.102	-0.146	7.117	-0.146
4.513	0.062	4.525	0.118	4.536	0.145	4.546	0.169	7.133	-0.126	7.148	-0.063	7.164	-0.036	7.174	-0.048
4.557	0.161	4.570	0.149	4.583	0.130	4.588	0.118	7.187	-0.083	7.198	-0.127	7.210	-0.155	7.226	-0.143
4.597	0.094	4.608	0.054	4.616	0.027	4.627	-0.013	7.244	-0.116	7.267	-0.064	7.289	-0.041	7.298	-0.041
4.631	-0.029	4.640	-0.033	4.651	-0.033	4.659	-0.021	7.313	-0.041	7.325	-0.033	7.343	-0.053	7.360	-0.085
4.678	0.007	4.688	0.031	4.696	0.054	4.709	0.054	7.375	-0.125	7.391	-0.137	7.412	-0.113	7.440	-0.090
4.723	0.046	4.730	0.027	4.740	0.027	4.753	0.027	7.468	-0.078	7.494	-0.078	7.516	-0.083	7.538	-0.075
4.763	0.054	4.780	0.066	4.791	0.062	4.802	0.058	7.556	-0.060	7.571	-0.060	7.578	-0.072	7.590	-0.060
4.817	0.074	4.833	0.082	4.844	0.098	4.855	0.122	7.604	-0.061	7.622	-0.029	7.635	0.034	7.647	0.081
4.863	0.122	4.875	0.118	4.886	0.094	4.893	0.074	7.655	0.117	7.667	0.104	7.673	0.104	7.681	0.088
4.902	0.050	4.913	0.027	4.921	0.038	4.936	0.066	7.696	0.080	7.701	0.100	7.713	0.139	7.727	0.151
4.945	0.094	4.960	0.121	4.969	0.125	4.977	0.117	7.738	0.135	7.748	0.079	7.756	0.024	7.766	-0.072
4.989	0.101	4.999	0.121	5.008	0.141	5.021	0.247	7.778	-0.151	7.794	-0.239	7.811	-0.263	7.835	-0.235
5.037	0.263	5.053	0.243	5.062	0.239	5.079	0.251	7.856	-0.176	7.871	-0.082	7.888	-0.003	7.906	0.061
5.089	0.058	5.100	0.219	5.110	0.143	5.122	0.100	7.929	0.131	7.947	0.139	7.969	0.107	7.986	0.035
5.137	0.048	5.153	0.020	5.166	-0.016	5.175	-0.056	8.004	-0.056	8.025	-0.148	8.039	-0.227	8.050	-0.259
5.184	-0.072	5.197	-0.080	5.208	-0.072	5.220	-0.072	8.074	-0.280	8.095	-0.264	8.121	-0.265	8.142	-0.190
5.232	-0.096	5.241	-0.124	5.253	-0.167	5.264	-0.160	8.155	-0.131	8.175	-0.088	8.184	-0.088	8.199	-0.041
5.274	-0.152	5.283	-0.116	5.292	-0.065	5.304	-0.017	8.219	0.042	8.234	0.077	8.248	0.120	8.268	0.159
5.322	0.026	5.332	0.034	5.348	0.002	5.360	0.014	8.281	0.151	8.295	0.035	8.310	0.063	8.328	0.063
5.378	-0.022	5.394	-0.018	5.409	-0.030	5.421	-0.034	8.347	0.071	8.359	0.031	8.374	0.099	8.390	0.071
5.433	-0.054	5.444	-0.054	5.462	-0.030	5.475	-0.010	8.403	0.027	8.415	-0.013	8.430	-0.028	8.449	-0.025
5.492	0.021	5.507	0.057	5.519	0.085	5.535	0.108	8.462	-0.017	8.483	0.003	8.495	0.043	8.512	0.110
5.546	0.108	5.560	0.093	5.571	0.061	5.583	0.029	8.527	0.138	8.544	0.153	8.555	0.145	8.567	0.113
5.592	-0.013	5.599	-0.019	5.611	-0.050	5.624	-0.038	8.582	0.077	8.592	0.045	8.612	0.041	8.630	0.057
5.638	-0.034	5.654	-0.034	5.663	-0.038	5.665	-0.045	8.582	0.060	8.660	0.032	8.671	0.000	8.686	-0.051
5.671	-0.061	5.678	-0.069	5.687	-0.073	5.699	-0.049	8.695	-0.071	8.702	-0.091	8.718	-0.096	8.739	-0.061



8.751	-0.037	8.765	0.054	8.777	0.097	8.800	0.140	11.847	-0.204	11.856	-0.192	11.866	-0.188	11.875	-0.181
8.815	0.147	8.827	0.139	8.835	0.107	8.847	0.099	11.884	-0.181	11.896	-0.189	11.908	-0.201	11.925	-0.236
8.864	0.126	8.885	0.134	8.902	0.094	8.924	0.030	11.936	-0.264	11.951	-0.288	11.961	-0.308	11.974	-0.324
8.938	0.026	8.955	0.006	8.967	0.002	8.985	0.002	11.985	-0.344	11.993	-0.328	12.011	-0.293	12.023	-0.237
9.005	0.021	9.024	0.013	9.044	-0.007	9.081	-0.055	12.039	-0.126	12.048	-0.091	12.060	-0.051	12.074	-0.016
9.073	-0.067	9.089	-0.103	9.102	-0.119	9.118	-0.143	12.086	0.008	12.096	0.055	12.107	0.099	12.117	0.142
9.127	-0.039	9.148	-0.048	9.164	-0.016	9.181	0.031	12.129	0.178	12.139	0.198	12.145	0.210	12.154	0.194
9.202	0.082	9.221	0.082	9.234	0.074	9.251	0.070	12.171	0.146	12.187	0.095	12.198	0.063	12.216	0.039
9.266	0.038	9.282	0.002	9.293	-0.025	9.311	-0.057	12.232	0.015	12.244	-0.017	12.260	-0.044	12.272	-0.068
9.331	-0.049	9.355	-0.034	9.378	0.018	9.402	0.053	12.281	0.060	12.297	0.037	12.310	-0.009	12.329	0.031
9.425	0.065	9.446	0.085	9.473	0.120	9.498	0.124	12.343	0.046	12.352	0.054	12.366	0.046	12.376	0.058
9.517	0.136	9.539	0.140	9.558	0.139	9.582	0.108	12.395	0.078	12.412	0.110	12.428	0.130	12.441	0.146
9.605	0.115	9.619	0.154	9.638	0.205	9.659	0.165	12.454	0.154	12.469	0.138	12.481	0.118	12.502	0.110
9.674	0.029	9.687	0.091	9.699	0.040	9.712	0.052	12.514	0.087	12.530	0.039	12.543	-0.000	12.555	-0.016
9.731	0.071	9.748	0.122	9.762	0.118	9.776	0.093	12.569	-0.028	12.588	-0.036	12.603	-0.048	12.617	-0.064
9.795	0.089	9.807	0.080	9.826	0.028	9.844	-0.004	12.633	-0.087	12.642	-0.115	12.656	-0.131	12.665	-0.147
9.862	-0.052	9.883	-0.085	9.901	-0.077	9.924	-0.062	12.677	-0.163	12.696	-0.167	12.714	-0.183	12.729	-0.202
9.948	-0.031	9.971	-0.016	9.991	-0.029	10.012	-0.005	12.740	-0.210	12.758	-0.202	12.771	-0.198	12.788	-0.186
10.037	0.014	10.062	0.029	10.080	0.068	10.099	0.143	12.806	-0.183	12.818	-0.171	12.836	-0.159	12.855	-0.139
10.124	0.178	10.142	0.181	10.166	0.162	10.186	0.127	12.874	-0.092	12.887	-0.048	12.898	-0.005	12.911	0.038
10.208	0.064	10.226	0.021	10.238	-0.014	10.259	-0.045	12.924	0.070	12.936	0.085	12.952	0.097	12.973	0.116
10.271	-0.072	10.289	-0.135	10.303	-0.182	10.316	-0.225	12.992	0.128	13.007	0.136	13.015	0.123	13.025	0.103
10.342	-0.225	10.356	-0.205	10.376	-0.141	10.401	-0.139	13.039	0.071	13.049	0.040	13.065	-0.008	13.078	-0.052
10.424	-0.163	10.437	-0.148	10.454	-0.145	10.473	-0.139	13.092	-0.076	13.102	-0.096	13.114	-0.085	13.127	-0.073
10.486	-0.108	10.501	-0.049	10.514	0.010	10.528	0.076	13.147	-0.045	13.161	-0.010	13.172	-0.034	13.189	0.073
10.549	0.119	10.561	0.154	10.576	0.188	10.593	0.235	13.200	0.101	13.219	0.132	13.235	0.160	13.248	0.183
10.612	0.278	10.628	0.293	10.642	0.293	10.658	0.293	13.261	0.199	13.271	0.183	13.284	0.167	13.295	0.135
10.629	0.285	10.631	0.277	10.633	0.273	10.635	0.265	13.310	0.103	13.328	0.052	13.343	0.008	13.358	-0.035
10.637	0.261	10.657	0.197	10.667	0.129	10.683	0.085	13.370	-0.071	13.383	-0.098	13.394	-0.122	13.407	-0.134
10.689	0.049	10.705	0.017	10.715	-0.019	10.724	-0.058	13.422	-0.121	13.439	-0.105	13.457	-0.089	13.470	-0.073
10.736	-0.090	10.747	-0.106	10.760	-0.123	10.773	-0.139	13.492	-0.073	13.516	-0.076	13.531	-0.092	13.546	-0.111
10.782	-0.127	10.794	-0.108	10.805	-0.084	10.816	-0.049	13.561	-0.131	13.572	-0.146	13.593	-0.138	13.615	-0.130
10.829	-0.025	10.841	-0.001	10.855	0.022	10.866	0.042	13.629	-0.126	13.651	-0.126	13.680	-0.126	13.698	-0.117
10.875	0.058	10.883	0.073	10.892	0.049	10.902	0.033	13.779	-0.090	13.791	-0.129	13.806	-0.109	13.830	-0.094
10.914	0.025	10.922	0.017	10.929	0.037	10.939	0.068	13.848	-0.129	13.870	-0.046	13.905	-0.039	13.920	-0.019
10.953	0.104	10.967	0.139	10.978	0.171	10.989	0.214	13.935	-0.003	13.944	-0.003	13.959	-0.027	13.975	-0.054
11.003	0.238	11.008	0.262	11.019	0.273	11.031	0.269	13.985	-0.058	14.004	-0.038	14.020	-0.026	14.041	0.002
11.045	0.261	11.054	0.245	11.061	0.217	11.072	0.174	14.060	0.014	14.079	0.030	14.099	0.046	14.107	0.046
11.082	0.150	11.095	0.122	11.108	0.098	11.119	0.078	14.123	0.026	14.141	0.011	14.158	-0.025	14.175	-0.068
11.126	0.050	11.133	0.018	11.142	-0.018	11.147	-0.053	14.194	-0.112	14.208	-0.127	14.230	-0.151	14.243	-0.166
11.156	-0.093	11.164	-0.125	11.173	-0.153	11.181	-0.173	14.259	-0.182	14.277	-0.166	14.297	-0.134	14.318	-0.090
11.189	-0.173	11.198	-0.169	11.207	-0.165	11.219	-0.165	14.337	-0.042	14.351	-0.022	14.366	-0.022	14.391	-0.030
11.234	-0.154	11.245	-0.146	11.255	-0.126	11.270	-0.106	14.409	-0.018	14.434	0.005	14.450	0.024	14.465	0.020
11.282	-0.086	11.294	-0.070	11.305	-0.054	11.312	-0.026	14.486	0.008	14.503	0.008	14.520	0.019	14.535	0.031
11.323	-0.006	11.336	0.026	11.350	0.053	11.360	0.081	14.549	0.046	14.562	0.050	14.578	0.030	14.599	0.021
11.374	0.097	11.389	0.117	11.403	0.141	11.414	0.161	14.611	0.005	14.625	-0.016	14.643	-0.022	14.651	-0.037
11.424	0.189	11.437	0.237	11.444	0.272	11.452	0.304	14.670	0.033	14.691	0.025	14.704	-0.022	14.722	-0.038
11.464	0.328	11.470	0.340	11.479	0.336	11.488	0.332	14.736	-0.054	14.751	-0.074	14.762	-0.094	14.779	-0.098
11.497	0.320	11.507	0.313	11.515	0.317	11.528	0.333	14.794	-0.106	14.813	-0.094	14.820	-0.091	14.838	-0.106
11.536	0.337	11.543	0.317	11.556	0.269	11.569	0.210	14.858	-0.115	14.882	-0.119	14.896	-0.103	14.914	-0.083
11.585	0.143	11.597	0.099	11.608	0.072	11.621	0.056	14.933	-0.060	14.952	-0.028	14.966	-0.032	14.987	-0.032
11.636	0.040	11.649	0.021	11.662	0.001	11.674	-0.007	14.997	-0.028	15.021	-0.001	15.040	0.015	15.060	0.039
11.684	-0.003	11.699	-0.009	11.707	0.021	11.719	0.029	15.084	0.062	15.104	0.094	15.127	0.114	15.147	0.129
11.729	0.033	11.760	0.017	11.749	0.001	11.761	-0.030	15.161	0.141	15.186	0.133	15.200	0.129	15.220	0.141
11.769	-0.070	11.779	-0.098	11.791	-0.125	11.796	-0.145	15.232	0.149	15.248	0.125	15.263	0.117	15.291	0.116
11.803	-0.157	11.818	-0.165	11.830	-0.184	11.839	-0.196								



15.303	0.096	15.315	0.088	15.328	0.060	15.349	-0.003	19.239	0.039	19.259	0.052	19.282	0.064	19.303	0.072
15.368	-0.039	15.395	-0.099	15.413	-0.115	15.427	-0.139	19.326	0.069	19.351	0.061	19.373	0.058	19.390	0.062
15.450	-0.178	15.479	-0.175	15.502	-0.179	15.524	-0.155	19.408	0.086	19.429	0.110	19.448	0.107	19.472	0.107
15.556	-0.127	15.586	-0.106	15.600	-0.102	15.615	-0.110	19.496	0.114	19.520	0.118	19.544	0.134	19.567	0.122
15.629	-0.098	15.644	-0.070	15.664	-0.046	15.677	-0.030	19.590	0.098	19.617	0.070	19.638	0.050	19.660	0.033
15.693	-0.026	15.712	-0.034	15.724	-0.049	15.737	-0.065	19.687	0.025	19.707	0.008	19.735	-0.008	19.756	-0.049
15.745	-0.069	15.761	-0.057	15.770	-0.041	15.782	-0.033	19.777	-0.077	19.800	-0.093	19.818	-0.098	19.836	-0.106
15.798	-0.049	15.811	-0.033	15.832	-0.009	15.854	0.030	19.863	-0.110	19.882	-0.110	19.903	-0.099	19.939	-0.071
15.872	0.078	15.902	0.141	15.919	0.184	15.938	0.228	19.967	-0.060	19.992	-0.044	20.013	-0.032	20.030	-0.032
15.955	0.263	15.971	0.279	15.986	0.267	15.998	0.251	20.048	-0.036	20.070	-0.048	20.088	-0.052	20.121	-0.061
16.013	0.219	16.027	0.199	16.045	0.206	16.060	0.197	20.143	-0.065	20.162	-0.066	20.182	-0.066	20.206	-0.055
16.075	0.169	16.096	0.133	16.114	0.088	16.132	0.056	20.228	-0.040	20.243	-0.028	20.266	-0.021	20.290	-0.021
16.145	0.044	16.163	0.055	16.186	0.054	16.199	0.069	20.310	-0.014	20.331	-0.014	20.348	-0.003	20.366	0.001
16.216	0.077	16.228	0.084	16.238	0.064	16.256	0.039	20.386	-0.003	20.409	-0.007	20.430	-0.019	20.450	-0.043
16.267	0.023	16.297	0.022	16.321	0.009	16.339	-0.007	20.470	-0.067	20.488	-0.074	20.501	-0.075	20.514	-0.091
16.363	-0.023	16.380	-0.039	16.399	-0.048	16.417	-0.064	20.533	-0.107	20.557	-0.111	20.579	-0.116	20.600	-0.116
16.435	-0.072	16.447	-0.080	16.462	-0.100	16.477	-0.112	20.618	-0.109	20.639	-0.101	20.656	-0.082	20.673	-0.066
16.492	-0.096	16.504	-0.072	16.519	-0.080	16.537	-0.096	20.694	-0.059	20.708	-0.055	20.725	-0.071	20.745	-0.076
16.546	-0.096	16.564	-0.092	16.582	-0.080	16.597	-0.072	20.759	-0.068	20.784	-0.065	20.802	-0.061	20.819	-0.074
16.613	-0.065	16.628	-0.045	16.645	-0.017	16.660	0.018	20.833	-0.094	20.853	-0.106	20.874	-0.119	20.890	-0.127
16.675	0.050	16.686	0.066	16.699	0.066	16.714	0.050	20.911	-0.132	20.938	-0.129	20.967	-0.110	20.989	-0.114
16.734	0.034	16.756	0.022	16.770	0.010	16.782	0.014	21.013	-0.114	21.028	-0.115	21.049	-0.115	21.070	-0.120
16.799	0.030	16.809	0.045	16.821	0.061	16.827	0.057	21.088	-0.132	21.111	-0.164	21.128	-0.193	21.146	-0.205
16.843	0.033	16.857	0.017	16.870	0.001	16.885	-0.011	21.158	-0.209	21.175	-0.198	21.198	-0.187	21.217	-0.171
16.896	-0.011	16.911	-0.011	16.927	-0.027	16.942	-0.039	21.235	-0.143	21.254	-0.123	21.275	-0.110	21.292	-0.102
16.955	-0.047	16.968	-0.075	16.980	-0.103	16.992	-0.131	21.312	-0.097	21.336	-0.097	21.351	-0.100	21.368	-0.080
17.004	-0.143	17.016	-0.155	17.027	-0.148	17.041	-0.148	21.390	-0.063	21.407	-0.055	21.427	-0.046	21.448	-0.053
17.054	-0.128	17.069	-0.097	17.085	-0.081	17.099	-0.074	21.475	-0.069	21.503	-0.093	21.525	-0.098	21.554	-0.114
17.119	-0.062	17.132	-0.070	17.149	-0.083	17.169	-0.103	21.582	-0.119	21.608	-0.124	21.646	-0.129	21.672	-0.121
17.187	-0.123	17.200	-0.131	17.220	-0.128	17.237	-0.120	21.695	-0.106	21.708	-0.102	21.714	-0.102	21.722	-0.099
17.252	-0.117	17.268	-0.141	17.286	-0.169	17.297	-0.169	21.737	-0.099	21.748	-0.107	21.761	-0.107	21.772	-0.107
17.310	-0.154	17.328	-0.118	17.352	-0.059	17.367	-0.028	21.782	-0.107	21.793	-0.095	21.799	-0.087	21.802	-0.079
17.385	-0.008	17.400	0.027	17.411	0.043	17.426	0.070	21.812	-0.067	21.819	-0.060	21.828	-0.052	21.839	-0.048
17.442	0.097	17.456	0.129	17.471	0.144	17.490	0.152	21.852	-0.048	21.864	-0.048	21.872	-0.044	21.878	-0.044
17.507	0.160	17.523	0.143	17.544	0.119	17.562	0.095	21.890	-0.040	21.938	-0.044	21.906	-0.040	21.913	-0.040
17.577	0.071	17.595	0.055	17.612	0.038	17.627	0.046	21.921	-0.033	21.931	-0.017	21.935	-0.009	21.946	-0.009
17.649	0.045	17.667	0.045	17.687	0.041	17.705	0.017	21.950	-0.013	21.958	-0.013	21.964	-0.013	21.975	-0.009
17.723	-0.003	17.739	-0.027	17.760	-0.015	17.778	-0.023	21.980	-0.009	21.984	-0.009	21.994	0.006	22.002	0.010
17.795	-0.039	17.815	-0.047	17.832	-0.059	17.849	-0.032	22.008	0.010	22.012	0.010	22.017	0.010	22.024	0.014
17.873	0.016	17.892	0.040	17.910	0.051	17.928	0.052	22.030	0.014	22.036	0.022	22.046	0.034	22.055	0.037
17.946	0.048	17.965	0.044	17.979	0.036	17.998	0.036	22.062	0.041	22.073	0.041	22.082	0.045	22.091	0.037
18.021	0.060	18.037	0.064	18.060	0.072	18.085	0.076	22.101	0.077	22.114	0.080	22.129	0.076	22.141	0.068
18.108	0.084	18.127	0.080	18.144	0.068	18.163	0.052	22.155	0.056	22.160	0.056	22.174	0.040	22.185	0.048
18.187	0.028	18.213	0.004	18.238	-0.016	18.261	-0.040	22.197	0.052	22.204	0.044	22.217	0.039	22.227	0.035
18.281	-0.060	18.295	-0.040	18.319	-0.021	18.340	-0.005	22.239	0.037	22.254	0.014	22.262	0.014	22.274	0.002
18.362	-0.014	18.377	-0.018	18.399	-0.006	18.419	-0.023	22.284	-0.002	22.295	-0.019	22.303	-0.019	22.314	-0.027
18.433	-0.011	18.457	0.016	18.478	0.032	18.504	0.039	22.326	-0.023	22.336	-0.028	22.347	-0.036	22.358	-0.036
18.519	0.051	18.537	0.058	18.557	0.066	18.579	0.062	22.369	-0.029	22.379	-0.033	22.387	-0.037	22.397	-0.033
18.601	0.057	18.624	0.053	18.640	0.065	18.660	0.072	22.409	-0.026	22.421	-0.020	22.431	-0.022	22.447	-0.015
18.675	0.080	18.693	0.083	18.712	0.071	18.737	0.051	22.458	-0.019	22.464	-0.023	22.476	-0.016	22.492	-0.004
18.760	0.038	18.780	0.026	18.799	0.006	18.814	-0.006	22.552	0.006	22.563	0.003	22.574	-0.011	22.584	-0.015
18.830	0.001	18.848	0.025	18.873	0.048	18.897	0.063	22.591	-0.008	22.600	-0.004	22.617	-0.005	22.626	-0.013
18.917	0.075	18.935	0.083	18.953	0.079	18.972	0.071	22.637	-0.021	22.650	-0.029	22.660	-0.038	22.674	-0.050
18.995	0.055	19.024	0.043	19.046	0.023	19.067	0.027	22.680	-0.054	22.698	-0.059	22.714	-0.052	22.728	-0.040
19.088	0.031	19.110	0.035	19.126	0.042	19.145	0.054	22.745	-0.037	22.757	-0.026	22.769	-0.026	22.783	-0.019
19.161	0.066	19.176	0.054	19.201	0.039	19.221	0.035								



22.801	-0.003	22.814	0.024	22.829	0.051	22.842	0.074	25.500	-0.085	25.517	-0.074	25.543	-0.087	25.560	-0.084
22.854	0.090	22.864	0.101	22.871	0.113	22.888	0.104	25.569	-0.088	25.580	-0.079	25.603	-0.082	25.619	-0.083
22.904	0.108	22.915	0.104	22.930	0.099	22.946	0.107	25.625	-0.087	25.639	-0.079	25.645	-0.072	25.658	-0.076
22.958	0.114	22.970	0.130	22.983	0.145	22.997	0.149	25.673	-0.088	25.685	-0.101	25.700	-0.071	25.713	-0.101
23.010	0.141	23.024	0.132	23.039	0.136	23.047	0.144	25.728	-0.102	25.739	-0.106	25.751	-0.110	25.759	-0.122
23.062	0.151	23.075	0.159	23.096	0.158	23.108	0.162	25.770	-0.130	25.774	-0.135	25.784	-0.139	25.794	-0.143
23.120	0.162	23.132	0.151	23.145	0.155	23.160	0.163	25.803	-0.139	25.809	-0.139	25.821	-0.140	25.831	-0.136
23.175	0.159	23.185	0.167	23.199	0.171	23.212	0.167	25.843	-0.120	25.857	-0.109	25.868	-0.113	25.877	-0.117
23.223	0.159	23.233	0.159	23.248	0.163	23.260	0.167	25.889	-0.114	25.905	-0.110	25.919	-0.102	25.931	-0.095
23.276	0.183	23.291	0.187	23.299	0.191	23.308	0.191	25.946	-0.091	25.961	-0.095	25.975	-0.100	25.987	-0.108
23.320	0.199	23.329	0.199	23.334	0.199	23.343	0.207	25.999	-0.120	26.010	-0.116	26.025	-0.108	26.035	-0.109
23.351	0.211	23.359	0.219	23.366	0.227	23.371	0.227	26.045	-0.105	26.063	-0.093	26.077	-0.093	26.089	-0.097
23.379	0.219	23.386	0.204	23.394	0.184	23.412	0.172	26.102	-0.101	26.116	-0.098	26.130	-0.106	26.148	-0.106
23.429	0.184	23.441	0.204	23.456	0.224	23.479	0.224	26.155	-0.106	26.164	-0.094	26.176	-0.086	26.190	-0.090
23.496	0.213	23.511	0.197	23.528	0.189	23.543	0.189	26.199	-0.094	26.207	-0.098	26.222	-0.106	26.237	-0.098
23.560	0.201	23.578	0.208	23.592	0.208	23.612	0.196	26.249	-0.090	26.264	-0.082	26.274	-0.062	26.294	-0.050
23.620	0.188	23.635	0.172	23.641	0.156	23.655	0.117	26.302	-0.050	26.312	-0.050	26.318	-0.050	26.331	-0.038
23.667	0.117	23.680	0.116	23.693	0.108	23.706	0.100	26.345	-0.046	26.354	-0.042	26.368	-0.042	26.381	-0.034
23.718	0.100	23.728	0.108	23.740	0.112	23.754	0.127	26.397	-0.018	26.412	-0.014	26.422	-0.010	26.432	0.002
23.767	0.135	23.778	0.127	23.787	0.119	23.802	0.103	26.445	0.006	26.460	0.006	26.470	0.006	26.478	0.006
23.811	0.103	23.827	0.130	23.838	0.122	23.844	0.122	26.484	0.010	26.497	0.010	26.506	0.006	26.519	0.010
23.853	0.118	23.862	0.118	23.874	0.113	23.889	0.089	26.529	0.014	26.537	0.026	26.544	0.034	26.550	0.038
23.899	0.081	23.907	0.085	23.919	0.085	23.930	0.069	26.560	0.046	26.567	0.058	26.575	0.066	26.583	0.066
23.941	0.061	23.951	0.061	23.962	0.052	23.974	0.048	26.586	0.074	26.607	0.074	26.614	0.078	26.624	0.090
23.985	0.044	24.002	0.040	24.012	0.043	24.027	0.039	26.633	0.102	26.643	0.106	26.650	0.106	26.659	0.106
24.039	0.031	24.052	0.031	24.058	0.031	24.067	0.038	26.665	0.110	26.673	0.122	26.680	0.122	26.694	0.130
24.078	0.038	24.092	0.038	24.103	0.033	24.111	0.033	26.715	0.142	26.734	0.142	26.749	0.138	26.761	0.127
24.125	0.029	24.132	0.029	24.146	0.021	24.155	0.009	26.775	0.115	26.792	0.111	26.792	0.095	26.808	0.099
24.167	-0.004	24.176	-0.020	24.182	-0.024	24.194	-0.032	26.819	0.099	26.823	0.095	26.830	0.095	26.838	0.091
24.201	-0.040	24.214	-0.060	24.224	-0.069	24.237	-0.069	26.849	0.083	26.861	0.075	26.871	0.063	26.878	0.051
24.245	-0.065	24.250	-0.065	24.261	-0.070	24.269	-0.066	26.887	0.036	26.898	0.020	26.909	0.012	26.916	0.008
24.283	-0.075	24.292	-0.075	24.303	-0.079	24.310	-0.079	26.926	-0.000	26.938	-0.000	26.941	-0.000	26.956	0.004
24.317	-0.088	24.328	-0.092	24.337	-0.092	24.340	-0.096	26.964	0.004	26.975	0.004	26.982	0.004	26.987	0.004
24.352	-0.097	24.356	-0.093	24.367	-0.089	24.381	-0.086	27.001	0.004	27.012	0.011	27.023	0.003	27.030	0.003
24.398	-0.086	24.407	-0.079	24.419	-0.071	24.432	-0.075	27.039	0.007	27.046	-0.001	27.059	-0.009	27.069	-0.005
24.446	-0.083	24.458	-0.075	24.473	-0.044	24.485	-0.024	27.074	-0.005	27.085	-0.009	27.097	-0.009	27.105	-0.010
24.497	-0.001	24.508	0.003	24.520	0.015	24.534	0.030	27.121	-0.010	27.133	-0.010	27.145	-0.022	27.157	-0.030
24.543	0.042	24.558	0.042	24.571	0.042	24.581	0.042	27.172	-0.034	27.183	-0.026	27.198	-0.023	27.219	-0.011
24.587	0.034	24.602	0.026	24.616	0.025	24.632	0.009	27.231	-0.004	27.245	0.024	27.262	0.055	27.276	0.054
24.648	0.009	24.662	0.001	24.673	-0.003	24.683	0.005	27.290	0.054	27.305	0.053	27.318	0.061	27.335	0.060
24.701	0.017	24.712	0.016	24.726	0.012	24.738	0.008	27.347	0.063	27.355	0.063	27.371	0.067	27.381	0.066
24.748	0.007	24.755	0.011	24.764	0.007	24.778	0.014	27.393	0.067	27.405	0.071	27.416	0.063	27.428	0.064
24.786	0.022	24.792	0.030	24.812	0.029	24.828	0.024	27.445	0.068	27.456	0.072	27.467	0.073	27.486	0.085
24.840	0.012	24.854	0.004	24.866	-0.008	24.877	-0.021	27.502	0.085	27.508	0.078	27.516	0.074	27.528	0.086
24.888	-0.025	24.899	-0.025	24.911	-0.014	24.926	-0.015	27.546	0.079	27.555	0.079	27.564	0.075	27.577	0.079
24.938	-0.027	24.953	-0.031	24.968	-0.027	24.984	-0.031	27.589	0.090	27.602	0.076	27.611	0.068	27.621	0.056
24.992	-0.047	25.002	-0.043	25.009	-0.035	25.020	-0.031	27.632	0.049	27.646	0.049	27.657	0.057	27.671	0.057
25.032	-0.043	25.038	-0.051	25.052	-0.059	25.065	-0.067	27.682	0.054	27.698	0.049	27.710	0.041	27.727	0.025
25.083	-0.064	25.097	-0.064	25.114	-0.072	25.127	-0.084	27.740	0.021	27.754	0.017	27.765	0.017	27.779	0.016
25.139	-0.088	25.152	-0.096	25.160	-0.096	25.176	-0.092	27.793	0.016	27.807	0.020	27.811	0.020	27.821	0.028
25.189	-0.084	25.202	-0.084	25.214	-0.073	25.225	-0.077	27.837	0.031	27.845	0.031	27.857	0.031	27.867	0.039
25.239	-0.081	25.255	-0.093	25.275	-0.097	25.287	-0.101	27.884	0.058	27.899	0.070	27.915	0.070	27.932	0.070
25.290	-0.105	25.302	-0.117	25.316	-0.113	25.332	-0.105	27.945	0.070	27.962	0.073	27.972	0.073	27.984	0.065
25.346	-0.109	25.358	-0.109	25.373	-0.089	25.388	-0.101	28.000	0.061	28.012	0.065	28.024	0.061	28.039	0.073
25.398	-0.109	25.404	-0.109	25.415	-0.118	25.427	-0.106	28.054	0.084	28.072	0.084	28.081	0.084	28.097	0.068
25.447	-0.099	25.462	-0.100	25.474	-0.108	25.488	-0.097	28.110	0.068	28.122	0.076	28.136	0.092	28.155	0.093



28.165	0.093	28.181	0.105	28.193	0.101	28.207	0.105	30.965	-0.005	30.976	-0.005	30.989	0.010	31.005	0.022
28.216	0.101	28.223	0.101	28.231	0.105	28.245	0.113	31.013	0.018	31.028	0.014	31.048	0.002	31.068	0.002
28.256	0.117	28.267	0.117	28.277	0.106	28.282	0.106	31.081	0.010	31.098	0.013	31.120	0.009	31.138	0.009
28.296	0.098	28.310	0.090	28.325	0.090	28.340	0.081	31.153	0.009	31.161	0.001	31.170	0.009	31.178	0.009
28.333	0.077	28.364	0.081	28.371	0.081	28.386	0.065	31.191	0.001	31.202	0.017	31.217	0.017	31.237	0.017
28.401	0.041	28.412	0.037	28.428	0.029	28.443	0.029	31.244	0.024	31.263	0.028	31.282	0.048	31.301	0.060
28.458	0.025	28.471	0.012	28.482	0.008	28.489	0.008	31.319	0.064	31.339	0.064	31.354	0.059	31.363	0.059
28.508	0.012	28.525	0.023	28.542	0.027	28.551	0.035	31.378	0.059	31.390	0.063	31.405	0.063	31.420	0.059
28.569	0.042	28.586	0.038	28.601	0.034	28.614	0.034	31.429	0.055	31.441	0.055	31.455	0.059	31.470	0.063
28.632	0.041	28.636	0.049	28.649	0.045	28.662	0.041	31.483	0.055	31.493	0.055	31.506	0.047	31.516	0.055
28.677	0.032	28.691	0.036	28.697	0.040	28.704	0.032	31.538	0.055	31.550	0.059	31.558	0.063	31.584	0.055
28.716	0.047	28.731	0.051	28.741	0.059	28.741	0.059	31.599	0.051	31.617	0.043	31.626	0.043	31.645	0.039
28.752	0.055	28.762	0.070	28.768	0.078	28.779	0.082	31.660	0.027	31.674	0.031	31.691	0.015	31.706	0.015
28.788	0.078	28.802	0.081	28.815	0.089	28.829	0.101	31.723	0.015	31.738	0.011	31.749	0.014	31.828	0.022
28.845	0.112	28.858	0.108	28.871	0.088	28.889	0.071	31.781	0.019	31.796	0.011	31.810	0.014	31.901	0.016
28.905	0.059	28.915	0.063	28.934	0.066	28.946	0.062	31.847	0.037	31.863	0.029	31.881	0.024	31.901	0.016
28.965	0.069	28.980	0.061	28.993	0.061	29.006	0.052	31.915	0.037	31.928	0.023	31.940	0.019	31.958	0.026
29.018	0.040	29.037	0.032	29.053	0.035	29.065	0.043	31.975	0.037	31.989	0.045	32.006	0.049	32.014	0.048
29.080	0.043	29.094	0.038	29.109	0.038	29.120	0.030	32.032	0.059	32.044	0.055	32.054	0.054	32.068	0.053
29.126	0.030	29.135	0.025	29.146	0.021	29.151	0.029	32.085	0.061	32.103	0.056	32.120	0.055	32.139	0.034
29.163	0.037	29.173	0.032	29.183	0.032	29.188	0.024	32.159	0.029	32.168	0.041	32.178	0.044	32.189	0.032
29.192	0.024	29.204	0.024	29.213	0.008	29.224	-0.002	32.201	0.039	32.218	0.046	32.235	0.037	32.250	0.029
29.237	-0.009	29.249	-0.001	29.257	0.003	29.268	0.002	32.275	0.032	32.298	0.042	32.318	0.057	32.338	0.065
29.280	0.010	29.291	0.006	29.303	0.001	29.314	-0.003	32.364	0.088	32.387	0.096	32.412	0.087	32.432	0.075
29.320	0.001	29.325	0.001	29.335	0.005	29.344	0.008	32.454	0.054	32.476	0.062	32.497	0.069	32.526	0.065
29.356	0.008	29.368	0.004	29.385	0.009	29.400	-0.017	32.542	0.053	32.561	0.044	32.579	0.060	32.605	0.063
29.409	-0.025	29.422	-0.029	29.432	-0.026	29.441	-0.034	32.616	0.071	32.630	0.067	32.636	0.066	32.636	0.066
29.447	-0.067	29.456	-0.050	29.462	-0.058	29.471	-0.082	32.642	0.074	32.661	0.078	32.675	0.090	32.699	0.081
29.481	-0.042	29.493	-0.059	29.511	-0.059	29.519	-0.056	32.713	0.085	32.728	0.081	32.741	0.081	32.758	0.092
29.534	-0.052	29.545	-0.060	29.555	-0.076	29.567	-0.081	32.780	0.108	32.797	0.111	32.818	0.111	32.827	0.111
29.581	-0.077	29.594	-0.074	29.609	-0.075	29.622	-0.083	32.848	0.103	32.858	0.099	32.874	0.102	32.889	0.105
29.632	-0.092	29.640	-0.101	29.654	-0.098	29.660	-0.098	32.897	0.105	32.904	0.104	32.921	0.092	32.937	0.087
29.669	-0.103	29.683	-0.096	29.696	-0.117	29.707	-0.117	32.950	0.078	32.968	0.081	32.984	0.077	32.998	0.076
29.722	-0.119	29.729	-0.115	29.743	-0.112	29.755	-0.105	33.011	0.063	33.032	0.051	33.047	0.034	33.069	0.013
29.764	-0.094	29.773	-0.083	29.788	-0.092	29.796	-0.092	33.097	0.063	33.115	0.004	33.128	0.003	33.141	0.007
29.815	-0.102	29.827	-0.118	29.842	-0.118	29.851	-0.126	33.160	0.026	33.174	0.021	33.188	0.032	33.198	0.032
29.862	-0.122	29.877	-0.123	29.891	-0.130	29.908	-0.134	33.212	0.020	33.228	0.016	33.237	0.020	33.249	0.020
29.925	-0.127	29.945	-0.127	29.963	-0.135	29.979	-0.131	33.263	0.027	33.271	0.015	33.283	0.011	33.292	0.003
30.000	-0.123	30.011	-0.127	30.029	-0.135	30.050	-0.139	33.303	-0.001	33.322	0.023	33.346	0.023	33.360	0.023
30.063	-0.139	30.075	-0.143	30.087	-0.139	30.100	-0.135	33.375	0.018	33.383	0.018	33.397	0.018	33.416	0.018
30.108	-0.143	30.121	-0.151	30.131	-0.155	30.146	-0.159	33.431	0.026	33.446	0.026	33.464	0.030	33.476	0.029
30.156	-0.155	30.170	-0.143	30.184	-0.135	30.206	-0.135	33.488	0.025	33.499	0.033	33.518	0.032	33.535	0.028
30.224	-0.139	30.241	-0.135	30.251	-0.135	30.263	-0.131	33.548	0.032	33.562	0.027	33.580	0.019	33.597	0.014
30.280	-0.111	30.288	-0.106	30.301	-0.094	30.312	-0.082	33.613	0.006	33.628	-0.006	33.644	-0.011	33.659	-0.003
30.324	-0.070	30.336	-0.070	30.347	-0.070	30.359	-0.073	33.667	-0.011	33.685	-0.016	33.695	-0.016	33.710	-0.005
30.370	-0.065	30.379	-0.073	30.390	-0.077	30.398	-0.073	33.725	0.003	33.739	0.006	33.747	0.002	33.753	0.010
30.408	-0.081	30.420	-0.080	30.431	-0.100	30.450	-0.092	33.762	0.006	33.773	0.005	33.787	0.005	33.791	-0.003
30.457	-0.103	30.478	-0.099	30.489	-0.091	30.502	-0.095	33.803	0.004	33.816	-0.008	33.816	-0.004	33.825	-0.004
30.516	-0.091	30.533	-0.083	30.550	-0.076	30.563	-0.076	33.842	-0.021	33.854	-0.025	33.868	-0.038	33.885	-0.050
30.571	-0.072	30.581	-0.064	30.594	-0.049	30.609	-0.041	33.894	-0.066	33.907	-0.047	33.918	-0.043	33.933	-0.039
30.626	-0.030	30.643	-0.022	30.655	-0.015	30.672	-0.015	33.945	-0.039	33.953	-0.040	33.962	-0.048	33.971	-0.032
30.687	-0.020	30.702	-0.016	30.721	-0.017	30.736	-0.013	33.989	-0.056	33.997	-0.052	34.016	-0.052	34.025	-0.032
30.750	-0.006	30.765	-0.006	30.771	-0.007	30.777	-0.007	34.033	-0.048	34.045	-0.045	34.051	-0.045	34.062	-0.045
30.797	-0.011	30.812	-0.007	30.827	-0.007	30.836	-0.004	34.091	-0.069	34.112	-0.061	34.129	-0.049	34.141	-0.049
30.842	-0.008	30.859	-0.008	30.876	-0.004	30.891	-0.012	34.154	-0.037	34.176	-0.065	34.196	-0.069	34.214	-0.065
30.905	0.007	30.915	0.007	30.932	-0.005	30.951	-0.001	34.226	-0.065	34.243	-0.069	34.253	-0.077	34.267	-0.085



34.286	-0.082	34.301	-0.078	34.318	-0.078	34.331	-0.078	38.212	0.044	38.224	0.044	38.239	0.036	38.255	0.020
34.341	-0.070	34.356	-0.082	34.366	-0.086	34.381	-0.091	38.275	0.008	38.295	0.012	38.312	0.005	38.328	0.005
34.398	-0.083	34.413	-0.075	34.429	-0.071	34.442	-0.068	38.348	0.029	38.369	0.048	38.387	0.060	38.416	0.059
34.457	-0.056	34.472	-0.044	34.490	-0.044	34.511	-0.045	38.441	0.063	38.459	0.082	38.478	0.078	38.491	0.078
34.527	-0.049	34.541	-0.049	34.555	-0.041	34.576	-0.033	38.506	0.065	38.525	0.057	38.547	0.057	38.563	0.064
34.587	-0.042	34.606	-0.030	34.624	-0.010	34.644	-0.007	38.585	0.064	38.608	0.075	38.633	0.078	38.650	0.082
34.662	-0.011	34.679	-0.023	34.702	-0.008	34.725	0.020	38.673	0.085	38.691	0.085	38.715	0.076	38.729	0.064
34.749	0.027	34.771	0.015	34.790	0.003	34.809	-0.017	38.756	0.043	38.787	0.035	38.806	0.015	38.835	0.007
34.825	-0.001	34.838	0.003	34.860	0.014	34.872	0.010	38.858	0.007	38.881	0.007	38.898	-0.000	38.914	-0.008
34.891	0.006	34.906	0.002	34.931	-0.010	34.954	-0.007	38.932	-0.024	38.953	-0.044	38.974	-0.039	38.994	-0.044
34.974	-0.011	34.989	-0.023	35.006	-0.039	35.021	-0.051	39.018	-0.012	39.041	-0.024	39.063	-0.048	39.092	-0.044
35.041	-0.051	35.052	-0.044	35.072	-0.044	35.089	-0.032	39.113	-0.044	39.130	-0.025	39.155	-0.021	39.167	-0.021
35.107	-0.036	35.124	-0.028	35.143	-0.025	35.163	-0.025	39.182	-0.025	39.206	-0.017	39.224	-0.014	39.235	-0.006
35.178	-0.029	35.191	-0.037	35.204	-0.041	35.221	-0.037	39.255	-0.002	39.272	0.010	39.293	0.018	39.316	0.025
35.237	-0.038	35.252	-0.026	35.261	-0.030	35.277	-0.034	39.342	0.025	39.364	0.025	39.374	0.020	39.394	0.016
35.290	-0.046	35.298	-0.054	35.315	-0.063	35.336	-0.047	39.409	0.016	39.431	0.007	39.444	0.002	39.461	0.011
35.359	-0.028	35.377	-0.017	35.400	-0.017	35.419	-0.014	39.468	0.007	39.489	0.010	39.505	0.002	39.527	0.002
35.440	0.002	35.457	0.001	35.475	-0.005	35.495	0.000	39.540	0.002	39.555	-0.011	39.571	-0.015	39.593	-0.055
35.514	-0.000	35.532	-0.001	35.546	-0.005	35.563	-0.001	39.610	-0.056	39.630	-0.045	39.655	-0.038	39.684	-0.051
35.584	-0.010	35.605	-0.003	35.619	-0.003	35.632	-0.007	39.706	-0.063	39.747	-0.069	39.779	-0.058	39.809	-0.055
35.644	-0.011	35.661	-0.020	35.679	-0.020	35.700	0.003	39.842	-0.040	39.864	-0.025	39.887	-0.006	39.909	-0.003
35.720	-0.013	35.732	-0.014	35.749	-0.022	35.762	-0.011	39.925	0.004	39.948	-0.008	39.967	-0.009	39.990	-0.005
35.842	0.004	35.862	0.004	35.877	0.000	35.894	0.000	40.008	-0.010	40.024	-0.010	40.037	-0.010	40.054	-0.011
35.919	-0.013	35.937	-0.021	35.956	-0.013	35.984	-0.009	40.071	-0.007	40.087	-0.007	40.106	0.004	40.126	0.004
36.002	-0.013	36.030	-0.017	36.051	-0.010	36.074	-0.010	40.139	-0.005	40.160	-0.009	40.179	-0.010	40.199	0.002
36.099	-0.003	36.121	-0.003	36.148	0.000	36.174	0.000	40.222	0.009	40.244	0.005	40.261	0.001	40.284	-0.015
36.191	-0.000	36.204	-0.004	36.228	-0.005	36.242	-0.009	40.300	-0.023	40.311	-0.027	40.318	-0.027	40.341	-0.035
36.256	-0.001	36.272	0.002	36.297	0.018	36.322	0.017	40.362	-0.019	40.384	-0.019	40.404	-0.027	40.425	-0.023
36.344	0.021	36.369	0.017	36.383	0.004	36.402	0.008	40.446	-0.019	40.460	-0.015	40.478	-0.015	40.492	-0.014
36.421	-0.008	36.443	0.007	36.461	0.007	36.473	-0.001	40.509	-0.018	40.525	-0.018	40.541	-0.010	40.557	-0.010
36.492	-0.009	36.517	0.014	36.536	0.026	36.560	0.025	40.574	-0.010	40.592	-0.014	40.607	-0.022	40.617	-0.022
36.567	0.021	36.592	0.009	36.617	0.013	36.632	0.009	40.636	-0.030	40.653	-0.042	40.673	-0.067	40.699	-0.049
36.639	0.009	36.658	0.009	36.675	0.017	36.686	0.024	40.724	-0.075	40.745	-0.064	40.763	-0.044	40.788	-0.045
36.703	0.016	36.718	0.012	36.729	0.016	36.746	0.020	40.809	-0.061	40.831	-0.062	40.853	-0.062	40.869	-0.070
36.766	0.028	36.788	0.040	36.801	0.032	36.813	0.024	40.885	-0.071	40.899	-0.063	40.921	-0.080	40.938	-0.080
36.829	0.012	36.845	0.019	36.862	0.019	36.874	0.023	40.961	-0.073	40.977	-0.074	41.001	-0.066	41.013	-0.075
36.894	0.027	36.908	0.019	36.929	0.019	36.938	0.015	41.044	-0.075	41.067	-0.076	41.106	-0.089	41.136	-0.089
36.952	0.015	36.970	0.003	36.988	-0.017	37.008	-0.009	41.174	-0.070	41.206	-0.067	41.237	-0.063	41.266	-0.052
37.028	0.002	37.041	0.014	37.055	0.021	37.064	0.017	41.289	-0.044	41.323	-0.029	41.352	-0.026	41.372	-0.022
37.083	-0.003	37.093	-0.003	37.114	-0.003	37.131	0.000	41.406	-0.014	41.433	0.002	41.450	0.011	41.489	0.023
37.144	-0.000	37.161	-0.000	37.177	-0.005	37.191	-0.009	41.520	0.027	41.556	0.032	41.574	0.036	41.589	0.028
37.207	-0.009	37.222	-0.014	37.240	-0.031	37.263	-0.028	41.606	0.024	41.628	0.021	41.652	0.025	41.677	0.025
37.286	-0.022	37.305	-0.027	37.323	-0.032	37.348	-0.033	41.697	0.025	41.719	0.021	41.747	0.025	41.767	0.029
37.366	-0.034	37.379	-0.039	37.400	-0.040	37.417	-0.033	41.790	0.029	41.813	0.036	41.839	0.040	41.863	0.040
37.432	-0.025	37.450	-0.033	37.467	-0.028	37.486	-0.016	41.886	0.047	41.912	0.079	41.938	0.091	41.966	0.086
37.501	-0.000	37.523	0.000	37.542	0.000	37.555	0.008	41.987	0.090	42.005	0.090	42.029	0.097	42.052	0.093
37.573	0.009	37.583	0.005	37.601	0.001	37.613	0.001	42.070	0.085	42.092	0.085	42.117	0.093	42.139	0.088
37.632	0.013	37.652	0.021	37.672	0.029	37.688	0.045	42.169	0.084	42.192	0.068	42.221	0.068	42.236	0.069
37.706	0.045	37.716	0.041	37.739	0.053	37.756	0.065	42.267	0.081	42.290	0.085	42.317	0.073	42.348	0.069
37.781	0.073	37.802	0.072	37.820	0.072	37.837	0.075	42.366	0.073	42.393	0.073	42.420	0.069	42.448	0.069
37.846	0.075	37.862	0.074	37.879	0.082	37.896	0.089	42.478	0.065	42.505	0.045	42.532	0.033	42.560	0.037
37.916	0.085	37.936	0.080	37.946	0.076	37.963	0.068	42.584	0.037	42.602	0.030	42.625	0.026	42.646	0.026
37.974	0.056	37.986	0.056	38.001	0.052	38.016	0.055	42.677	0.010	42.700	-0.010	42.721	-0.009	42.749	-0.009
38.046	0.063	38.061	0.059	38.082	0.055	38.107	0.051	42.774	0.003	42.806	-0.005	42.837	0.003	42.860	0.011
38.138	0.055	38.153	0.047	38.173	0.047	38.195	0.048	42.875	0.019	42.901	0.019	42.926	0.012	42.941	0.020
								42.955	0.028	42.984	0.020	43.010	0.028	43.036	0.036



43.050	0.040	43.071	0.043	43.101	0.050	+3.122	0.045	47.073	-0.090	47.095	-0.094	47.116	-0.102	47.133	-0.102
43.143	0.048	43.166	0.031	43.189	0.033	43.197	0.033	47.151	-0.107	47.171	-0.107	47.190	-0.099	47.213	-0.103
43.230	0.024	43.240	0.032	43.253	0.024	43.278	0.020	47.232	-0.095	47.255	-0.092	47.273	-0.084	47.294	-0.076
43.295	0.012	43.310	-0.012	43.344	-0.012	43.364	0.000	47.310	-0.068	47.330	-0.060	47.354	-0.057	47.375	-0.053
43.386	-0.019	43.405	-0.015	43.422	-0.015	43.436	-0.019	47.396	-0.049	47.420	-0.030	47.438	-0.030	47.457	-0.018
43.444	-0.015	43.451	-0.015	43.459	-0.015	43.463	-0.019	47.470	-0.022	47.490	-0.034	47.507	-0.038	47.521	-0.026
43.467	-0.018	43.473	-0.018	43.477	-0.018	43.482	-0.017	47.547	-0.027	47.579	-0.027	47.600	-0.023	47.623	-0.019
43.501	-0.021	43.530	-0.028	43.559	-0.032	43.578	-0.039	47.643	-0.019	47.661	-0.007	47.681	-0.011	47.700	-0.003
43.600	-0.042	43.622	-0.046	43.639	-0.041	43.660	-0.025	47.721	-0.006	47.740	-0.006	47.756	-0.010	47.774	-0.006
43.680	0.028	43.696	-0.028	43.716	-0.035	43.737	-0.039	47.793	-0.010	47.813	-0.002	47.833	-0.006	47.851	0.002
43.758	-0.042	43.775	-0.050	43.796	-0.045	43.812	-0.057	47.869	0.006	47.884	0.006	47.902	-0.002	47.922	-0.002
43.883	-0.063	43.897	-0.063	43.913	-0.067	43.932	-0.078	47.936	0.002	47.957	0.003	47.978	-0.001	47.996	-0.005
43.950	-0.086	43.969	-0.094	43.988	-0.101	44.005	-0.109	48.014	-0.009	48.033	-0.005	48.053	-0.003	48.075	0.003
44.021	-0.109	44.037	-0.105	44.057	-0.108	44.075	-0.108	48.095	-0.005	48.114	-0.010	48.130	0.002	48.149	0.006
44.092	-0.112	44.112	-0.112	44.129	-0.107	44.146	-0.107	48.170	0.010	48.187	0.010	48.207	0.010	48.230	0.014
44.164	-0.099	44.179	-0.099	44.198	-0.099	44.214	-0.099	48.249	-0.018	48.263	0.022	48.281	0.025	48.295	0.025
44.232	-0.103	44.250	-0.099	44.269	-0.095	44.286	-0.091	48.311	0.017	48.325	0.025	48.343	0.033	48.369	0.033
44.302	-0.087	44.317	-0.079	44.332	-0.075	44.349	-0.075	48.385	0.041	48.406	0.045	48.426	0.049	48.446	0.053
44.366	-0.071	44.382	-0.067	44.398	-0.067	44.417	-0.074	48.468	0.056	48.489	0.060	48.507	0.052	48.531	0.052
44.436	-0.082	44.452	-0.078	44.471	-0.078	44.489	-0.071	48.549	0.053	48.575	0.049	48.599	0.045	48.616	0.045
44.508	-0.063	44.528	-0.054	44.548	-0.042	44.563	-0.046	48.637	0.041	48.657	0.037	48.676	0.037	48.698	0.025
44.580	-0.046	44.601	-0.042	44.617	-0.038	44.637	-0.041	48.722	0.025	48.741	0.026	48.765	0.022	48.784	0.022
44.655	-0.041	44.670	-0.033	44.688	-0.036	44.707	-0.044	48.802	0.010	48.821	0.014	48.838	0.022	48.856	0.029
44.724	-0.036	44.741	-0.031	44.761	-0.027	44.778	-0.034	48.879	0.029	48.899	0.026	48.918	0.018	48.937	0.018
44.800	-0.038	44.818	-0.037	44.837	-0.033	44.855	-0.029	48.956	0.018	48.980	0.022	48.996	0.010	49.016	0.014
44.874	-0.024	44.892	-0.024	44.912	-0.020	44.936	-0.023	49.035	-0.003	49.159	-0.015	49.182	-0.019	49.203	-0.016
44.959	-0.019	44.984	-0.015	45.008	-0.006	45.032	-0.006	49.139	-0.003	49.159	-0.015	49.182	-0.019	49.203	-0.016
45.031	-0.006	45.072	0.002	45.091	0.002	45.113	0.010	49.226	-0.016	49.252	-0.012	49.275	-0.012	49.299	-0.008
45.134	0.010	45.155	0.011	45.176	0.011	45.196	0.011	49.320	-0.012	49.337	-0.016	49.355	-0.012	49.373	-0.016
45.213	0.015	45.239	0.027	45.252	0.032	45.269	0.040	49.400	-0.020	49.423	-0.020	49.444	-0.028	49.466	-0.032
45.284	0.048	45.303	0.048	45.319	0.048	45.338	0.057	49.481	-0.028	49.500	-0.024	49.515	-0.027	49.531	-0.027
45.358	0.065	45.378	0.066	45.390	0.070	45.406	0.075	49.549	-0.031	49.566	-0.039	49.582	-0.042	49.608	-0.030
45.421	0.067	45.438	0.068	45.454	0.068	45.473	0.068	49.627	-0.026	49.654	-0.022	49.677	-0.025	49.703	-0.021
45.489	0.061	45.509	0.058	45.525	0.054	45.543	0.067	49.733	-0.016	49.755	-0.008	49.784	-0.008	49.813	-0.007
45.557	0.063	45.575	0.071	45.590	0.072	45.606	0.084	49.838	-0.015	49.861	-0.018	49.885	-0.022	49.912	-0.021
45.622	0.084	45.637	0.088	45.660	0.089	45.678	0.089	49.935	-0.025	49.955	-0.029	49.981	-0.021	50.014	-0.029
45.696	0.093	45.713	0.089	45.731	0.086	45.751	0.086	50.042	-0.029	50.062	-0.036	50.088	-0.028	50.119	-0.028
45.771	0.087	45.794	0.083	45.818	0.087	45.836	0.079	50.141	-0.028	50.169	-0.028	50.190	-0.028	50.218	-0.024
45.854	0.091	45.872	0.095	45.886	0.103	45.898	0.107	50.245	-0.020	50.269	-0.020	50.298	-0.028	50.327	-0.021
45.915	0.085	45.936	0.088	45.954	0.084	45.974	0.084	50.348	-0.017	50.374	-0.017	50.399	-0.005	50.425	0.002
45.991	0.084	46.010	0.084	46.028	0.084	46.046	0.072	50.453	0.018	50.475	0.030	50.498	0.042	50.525	0.041
46.066	0.072	46.086	0.072	46.102	0.068	46.124	0.072	50.561	0.037	50.592	0.033	50.618	0.037	50.644	0.036
46.143	0.064	46.165	0.067	46.184	0.051	46.206	0.051	50.673	0.028	50.693	0.032	50.721	0.040	50.744	0.048
46.233	0.043	46.252	0.047	46.276	0.043	46.296	0.039	50.772	0.028	50.791	0.060	50.814	0.055	50.842	0.051
46.319	0.034	46.338	0.026	46.357	0.026	46.376	0.030	50.868	0.051	50.896	0.043	50.926	0.039	50.947	0.031
46.388	0.018	46.402	0.002	46.420	-0.002	46.438	-0.006	50.970	0.035	50.988	0.039	51.017	0.031	51.044	0.035
46.456	-0.015	46.470	-0.019	46.491	-0.003	46.507	-0.003	51.062	0.035	51.090	0.039	51.115	0.035	51.141	0.035
46.522	-0.015	46.539	-0.020	46.560	-0.024	46.580	-0.016	51.165	0.039	51.187	0.035	51.211	0.023	51.242	-0.023
46.603	-0.020	46.614	-0.024	46.632	-0.024	46.646	-0.032	51.268	-0.008	51.295	-0.000	51.324	-0.004	51.351	-0.008
46.666	-0.036	46.685	-0.044	46.699	-0.048	46.721	-0.052	51.381	-0.020	51.410	-0.024	51.436	-0.016	51.466	-0.016
46.741	-0.044	46.760	-0.044	46.777	-0.044	46.790	-0.052	51.492	-0.008	51.516	-0.007	51.546	-0.007	51.575	-0.003
46.806	-0.060	46.819	-0.068	46.834	-0.068	46.848	-0.064	51.609	-0.007	51.644	0.001	51.682	0.001	51.711	-0.003
46.863	-0.071	46.879	-0.079	46.896	-0.075	46.913	-0.079	51.742	-0.011	51.771	-0.004	51.804	-0.012	51.833	-0.012
46.934	-0.079	46.949	-0.087	46.970	-0.087	46.989	-0.091	51.864	-0.012	51.890	-0.012	51.919	-0.012	51.948	-0.020
47.006	-0.083	47.021	-0.083	47.038	-0.087	47.057	-0.091	51.975	-0.024	52.004	-0.028	52.031	-0.032	52.055	-0.036
								52.075	-0.048	52.096	-0.048	52.120	-0.048	52.144	-0.052



52.171	-0.060	52.197	-0.060	52.216	-0.068	52.243	-0.064	56.635	-0.044	56.652	-0.048	56.668	-0.048	56.684	-0.052
52.255	-0.068	52.277	-0.064	52.303	-0.072	52.335	-0.063	56.699	-0.052	56.717	-0.055	56.739	-0.055	56.759	-0.055
52.351	-0.063	52.379	-0.063	52.397	-0.067	52.419	-0.071	56.779	-0.055	56.795	-0.059	56.809	-0.059	56.826	-0.058
52.442	-0.062	52.468	-0.058	52.492	-0.067	52.518	-0.042	56.842	-0.058	56.856	-0.058	56.871	-0.058	56.886	-0.058
52.541	-0.038	52.566	-0.037	52.594	-0.029	52.627	-0.035	56.901	-0.058	56.914	-0.062	56.927	-0.065	56.939	-0.065
52.660	-0.029	52.683	-0.037	52.712	-0.029	52.736	-0.039	56.954	-0.055	56.971	-0.061	56.989	-0.065	57.007	-0.053
52.761	-0.029	52.792	-0.017	52.815	-0.029	52.842	-0.039	57.022	-0.045	57.042	-0.041	57.064	-0.041	57.082	-0.033
52.865	-0.033	52.897	-0.037	52.922	-0.038	52.957	-0.038	57.099	-0.033	57.117	-0.025	57.132	-0.021	57.149	-0.021
53.002	-0.042	53.027	-0.042	53.058	-0.031	53.086	-0.027	57.167	-0.031	57.188	-0.017	57.206	-0.021	57.229	-0.025
53.105	-0.026	53.141	-0.026	53.164	-0.033	53.193	-0.045	57.250	-0.021	57.266	-0.017	57.283	-0.021	57.304	-0.029
53.223	-0.040	53.251	-0.044	53.276	-0.043	53.296	-0.039	57.322	-0.033	57.335	-0.041	57.351	-0.033	57.365	-0.029
53.344	-0.034	53.355	-0.034	53.376	-0.021	53.394	-0.017	57.378	-0.025	57.394	-0.029	57.416	-0.025	57.437	-0.029
53.418	-0.025	53.445	-0.020	53.478	-0.024	53.525	-0.020	57.465	-0.029	57.488	-0.021	57.511	-0.021	57.528	-0.018
53.575	-0.023	53.609	-0.011	53.630	-0.007	53.662	-0.007	57.547	-0.010	57.562	-0.010	57.582	-0.002	57.601	-0.010
53.719	-0.005	53.767	0.013	53.827	0.013	53.877	0.014	57.621	0.006	57.642	0.009	57.661	0.005	57.680	0.009
54.118	0.020	54.137	0.020	54.155	0.022	54.199	0.016	57.699	0.005	57.717	0.004	57.735	0.008	57.750	0.012
54.200	0.022	54.217	0.021	54.235	0.021	54.255	0.031	57.764	0.020	57.780	0.015	57.795	0.019	57.814	0.027
54.276	0.027	54.291	0.027	54.308	0.035	54.329	0.039	57.835	0.030	57.851	0.025	57.868	0.018	57.889	0.021
54.344	0.036	54.361	0.036	54.379	0.036	54.395	0.036	57.908	0.017	57.927	0.016	57.947	0.024	57.971	0.023
54.413	0.040	54.437	0.041	54.453	0.045	54.471	0.033	58.000	0.031	58.020	0.034	58.053	0.038	58.082	0.041
54.488	0.057	54.506	0.057	54.521	0.069	54.535	0.069	58.114	0.044	58.136	0.044	58.172	0.039	58.200	0.039
54.546	0.074	54.559	0.070	54.575	0.070	54.590	0.074	58.225	0.043	58.249	0.051	58.274	0.047	58.298	0.038
54.602	0.074	54.622	0.074	54.640	0.082	54.657	0.074	58.318	0.046	58.338	0.050	58.356	0.058	58.376	0.062
54.672	0.066	54.691	0.066	54.709	0.066	54.723	0.062	58.395	0.062	58.415	0.062	58.438	0.062	58.456	0.062
54.741	0.062	54.755	0.062	54.767	0.066	54.784	0.070	58.478	0.062	58.498	0.066	58.519	0.062	58.541	0.058
54.800	0.070	54.818	0.070	54.835	0.066	54.850	0.066	58.566	0.058	58.590	0.066	58.610	0.058	58.631	0.063
54.864	0.066	54.879	0.058	54.895	0.054	54.907	0.054	58.654	0.064	58.675	0.060	58.699	0.061	58.721	0.062
54.918	0.058	54.929	0.054	54.938	0.046	54.952	0.042	58.743	0.067	58.761	0.072	58.779	0.081	58.798	0.062
54.965	0.042	54.977	0.038	54.991	0.034	55.013	0.046	58.808	0.049	58.826	0.059	58.844	0.060	58.861	0.049
55.019	0.030	55.033	0.026	55.046	0.026	55.060	0.026	58.884	0.049	58.904	0.054	58.923	0.066	58.944	0.062
55.070	0.030	55.084	0.029	55.097	0.029	55.111	0.033	58.965	0.066	58.986	0.054	59.007	0.058	59.025	0.066
55.126	0.033	55.137	0.033	55.148	0.033	55.163	0.033	59.045	0.070	59.064	0.062	59.085	0.058	59.105	0.050
55.174	0.037	55.187	0.025	55.198	0.025	55.218	0.029	59.123	0.050	59.142	0.054	59.158	0.046	59.177	0.046
55.233	0.029	55.248	0.025	55.263	0.024	55.277	0.038	59.200	0.042	59.222	0.042	59.245	0.042	59.266	0.038
55.291	0.024	55.308	0.024	55.321	0.024	55.335	0.024	59.287	0.034	59.302	0.022	59.320	0.014	59.340	0.025
55.349	0.032	55.366	0.028	55.381	0.024	55.395	0.020	59.357	0.021	59.384	0.001	59.406	0.001	59.429	-0.003
55.409	0.020	55.426	0.020	55.443	0.019	55.459	0.019	59.447	0.004	59.468	-0.004	59.493	0.004	59.514	-0.004
55.475	0.015	55.494	0.015	55.514	0.015	55.531	0.015	59.542	0.007	59.574	0.003	59.602	-0.001	59.630	-0.009
55.546	0.019	55.561	0.015	55.577	0.015	55.589	0.015	59.657	-0.009	59.681	-0.001	59.702	0.003	59.723	-0.009
55.603	0.018	55.620	0.018	55.633	0.018	55.646	0.014	59.738	-0.006	59.762	-0.006	59.779	-0.010	59.799	-0.010
55.662	0.014	55.674	0.018	55.686	0.018	55.697	0.014	59.817	-0.023	59.837	-0.015	59.854	-0.015	59.874	-0.015
55.708	0.014	55.721	0.014	55.734	0.013	55.748	0.009	59.892	-0.023	59.914	-0.032	59.934	-0.032	59.956	-0.032
55.760	0.008	55.774	0.008	55.789	0.007	55.799	-0.001	59.977	-0.040	60.001	-0.037	60.023	-0.041	60.048	-0.040
55.811	-0.006	55.824	-0.002	55.836	0.005	55.851	0.005	60.072	-0.040	60.094	-0.036	60.112	-0.039	60.133	-0.039
55.867	0.000	55.881	0.007	55.896	-0.001	55.910	0.002	60.155	-0.035	60.171	-0.038	60.187	-0.038	60.202	-0.049
55.926	-0.002	55.941	0.003	55.958	-0.003	55.974	0.002	60.219	-0.049	60.239	-0.052	60.262	-0.040	60.288	-0.047
55.991	-0.013	56.007	-0.013	56.020	-0.010	56.034	-0.015	60.314	-0.046	60.339	-0.033	60.364	-0.033	60.390	-0.032
56.052	-0.024	56.068	-0.025	56.081	-0.029	56.102	-0.034	60.416	-0.031	60.439	-0.038	60.470	-0.034	60.500	-0.032
56.115	-0.027	56.130	-0.032	56.146	-0.033	56.159	-0.033	60.528	-0.032	60.558	-0.028	60.585	-0.027	60.612	-0.023
56.177	-0.038	56.195	-0.039	56.215	-0.040	56.232	-0.041	60.646	-0.018	60.677	-0.017	60.702	-0.017	60.726	-0.021
56.253	-0.037	56.272	-0.045	56.291	-0.049	56.312	-0.050	60.752	-0.013	60.774	-0.016	60.798	-0.024	60.821	-0.024
56.331	-0.046	56.352	-0.046	56.372	-0.050	56.392	-0.051	60.847	-0.012	60.868	-0.016	60.892	-0.016	60.916	-0.019
56.413	-0.051	56.430	-0.051	56.449	-0.051	56.474	-0.047	60.939	-0.019	60.967	-0.027	60.992	-0.027	61.019	-0.031
56.491	-0.052	56.514	-0.048	56.531	-0.044	56.548	-0.044	61.043	-0.035	61.066	-0.035	61.089	-0.039	61.118	-0.043
56.564	-0.045	56.581	-0.045	56.598	-0.041	56.616	-0.044	61.147	-0.047	61.177	-0.043	61.202	-0.051	61.225	-0.059
								61.247	-0.052	61.273	-0.048	61.297	-0.048	61.322	-0.056



61.347	-0.048	61.373	-0.048	61.400	-0.056	61.419	-0.048	65.834	-0.020	65.843	-0.013	65.857	-0.013	65.872	-0.014
61.446	-0.045	61.471	-0.057	61.492	-0.049	61.519	-0.041	65.884	-0.010	65.896	-0.015	65.902	-0.015	65.916	-0.024
61.545	-0.045	61.572	-0.046	61.593	-0.046	61.615	-0.046	65.934	-0.012	65.955	-0.003	65.967	-0.007	65.982	-0.019
61.641	-0.042	61.670	-0.043	61.696	-0.040	61.714	-0.032	65.994	-0.015	66.006	-0.010	66.015	-0.005	66.029	-0.005
61.742	-0.029	61.773	-0.030	61.798	-0.022	61.822	-0.019	66.043	-0.004	66.061	-0.011	66.072	-0.003	66.090	-0.002
61.839	-0.023	61.861	-0.016	61.884	-0.008	61.904	-0.017	66.105	-0.002	66.123	-0.003	66.140	-0.013	66.159	-0.017
61.919	-0.009	61.933	-0.013	61.952	-0.010	61.972	-0.002	66.179	-0.010	66.198	-0.011	66.211	-0.016	66.229	-0.021
61.986	-0.003	61.999	-0.007	62.012	-0.001	62.027	-0.001	66.238	-0.026	66.254	-0.024	66.267	-0.025	66.285	-0.026
62.044	-0.003	62.061	-0.010	62.080	-0.002	62.107	-0.006	66.302	-0.036	66.315	-0.033	66.327	-0.030	66.344	-0.026
62.133	0.010	62.166	0.015	62.188	0.019	62.215	0.031	66.353	-0.021	66.365	-0.021	66.380	-0.021	66.401	-0.020
62.243	0.020	62.266	0.024	62.290	0.024	62.309	0.021	66.415	-0.024	66.435	-0.027	66.452	-0.023	66.470	-0.022
62.336	0.029	62.363	0.029	62.377	0.037	62.402	0.026	66.486	-0.026	66.506	-0.021	66.523	-0.017	66.541	-0.017
62.419	0.034	62.445	0.030	62.469	0.038	62.494	0.046	66.556	-0.017	66.573	-0.013	66.589	-0.017	66.607	-0.017
62.518	0.046	62.545	0.046	62.577	0.050	62.603	0.042	66.624	-0.013	66.642	-0.013	66.660	-0.021	66.675	-0.021
62.626	0.042	62.654	0.042	62.679	0.038	62.707	0.042	66.692	-0.021	66.714	-0.022	66.727	-0.018	66.744	-0.010
62.731	0.042	62.753	0.042	62.787	0.045	62.815	0.033	66.766	-0.004	66.781	-0.007	66.801	-0.003	66.813	-0.007
62.834	0.049	62.857	0.041	62.882	0.040	62.899	0.032	66.830	-0.004	66.847	-0.004	66.872	-0.005	66.891	-0.001
62.920	0.032	62.946	0.032	62.974	0.031	63.012	0.027	66.906	0.003	66.921	0.014	66.938	0.018	66.949	0.014
63.048	0.031	63.077	0.030	63.106	0.022	63.138	0.026	66.965	0.005	66.980	0.013	66.991	0.017	67.008	0.008
63.174	0.025	63.208	0.029	63.232	0.021	63.258	0.025	67.024	0.000	67.050	-0.000	67.062	-0.008	67.070	-0.009
63.288	0.024	63.317	0.024	63.350	0.028	63.384	0.032	67.078	-0.005	67.092	0.003	67.110	0.015	67.119	0.011
63.419	0.027	63.447	0.035	63.477	0.031	63.519	0.039	67.124	-0.011	67.133	0.015	67.144	0.019	67.158	0.015
63.554	0.035	63.589	0.031	63.628	0.019	63.667	0.016	67.167	0.015	67.176	0.019	67.190	0.019	67.198	0.031
63.706	0.016	63.738	0.008	63.774	0.014	63.803	0.013	67.212	0.019	67.228	0.037	67.242	0.031	67.253	0.031
63.834	0.009	63.873	0.018	63.910	0.017	63.945	0.011	67.270	0.031	67.289	0.031	67.303	0.038	67.317	0.038
63.980	0.007	64.018	0.015	64.051	0.008	64.084	0.012	67.329	0.042	67.346	0.042	67.363	0.050	67.375	0.058
64.114	0.013	64.142	0.009	64.179	0.010	64.223	0.010	67.394	0.054	67.471	0.045	67.496	0.044	67.505	0.044
64.260	0.019	64.312	0.015	64.347	0.031	64.359	0.015	67.457	0.056	67.471	0.052	67.496	0.044	67.505	0.044
64.419	0.006	64.448	0.009	64.462	0.017	64.472	0.016	67.523	0.055	67.538	0.052	67.553	0.044	67.566	0.044
64.480	0.020	64.483	0.016	64.486	0.016	64.500	0.008	67.581	0.048	67.593	0.052	67.606	0.056	67.620	0.056
64.510	0.015	64.521	0.019	64.528	0.019	64.536	0.018	67.629	0.052	67.642	0.044	67.656	0.052	67.677	0.052
64.545	0.018	64.556	0.018	64.560	0.010	64.570	0.013	67.704	0.044	67.728	0.043	67.744	0.059	67.755	0.047
64.575	0.013	64.581	0.013	64.591	0.013	64.603	0.016	67.767	0.047	67.778	0.046	67.790	0.046	67.803	0.042
64.617	0.016	64.630	0.016	64.644	0.007	64.657	0.003	67.817	0.042	67.832	0.046	67.846	0.049	67.862	0.049
64.681	0.006	64.694	0.006	64.718	0.005	64.727	-0.001	67.877	0.049	67.892	0.049	67.914	0.048	67.934	0.044
64.743	0.001	64.757	-0.003	64.772	-0.007	64.783	-0.011	67.945	0.044	67.963	0.048	67.978	0.047	67.998	0.036
64.794	-0.011	64.811	-0.012	64.827	-0.008	64.843	-0.000	68.013	0.032	68.025	0.032	68.032	0.032	68.044	0.032
64.858	-0.000	64.872	-0.000	64.881	-0.004	64.902	-0.004	68.060	0.032	68.069	0.032	68.088	0.020	68.101	0.028
64.921	-0.012	64.935	-0.017	64.954	-0.021	64.969	-0.029	68.111	0.032	68.123	0.032	68.138	0.032	68.153	0.028
64.987	-0.021	65.004	-0.021	65.010	-0.021	65.016	-0.017	68.167	0.032	68.188	0.038	68.197	0.024	68.215	0.032
65.028	-0.017	65.036	-0.021	65.042	-0.021	65.048	-0.025	68.235	0.036	68.254	0.040	68.257	0.040	68.274	0.032
65.053	-0.029	65.065	-0.033	65.076	-0.037	65.090	-0.033	68.292	0.024	68.309	0.020	68.330	0.020	68.348	0.020
65.103	-0.033	65.118	-0.034	65.126	-0.030	65.138	-0.030	68.359	0.020	68.373	0.024	68.387	0.024	68.402	0.024
65.155	-0.030	65.168	-0.034	65.184	-0.034	65.200	-0.034	68.414	0.016	68.426	0.008	68.436	0.012	68.457	0.016
65.214	-0.035	65.227	-0.035	65.230	-0.039	65.239	-0.039	68.473	0.016	68.484	0.012	68.505	0.011	68.515	0.007
65.245	-0.039	65.252	-0.035	65.266	-0.039	65.279	-0.036	68.532	0.011	68.546	0.007	68.567	0.003	68.581	0.007
65.290	-0.036	65.307	-0.036	65.317	-0.036	65.332	-0.036	68.599	0.007	68.607	0.011	68.620	0.011	68.633	0.007
65.341	-0.036	65.353	-0.036	65.367	-0.033	65.392	-0.029	68.647	0.007	68.665	0.011	68.680	0.011	68.695	0.011
65.400	-0.033	65.409	-0.033	65.418	-0.033	65.430	-0.041	68.715	0.007	68.726	-0.001	68.739	-0.001	68.753	0.003
65.442	-0.041	65.459	-0.034	65.471	-0.030	65.489	-0.034	68.766	0.006	68.782	0.010	68.792	0.006	68.809	0.002
65.503	-0.038	65.516	-0.043	65.533	-0.035	65.543	-0.035	68.823	0.002	68.839	0.002	68.843	-0.002	68.861	0.002
65.553	-0.032	65.572	-0.032	65.585	-0.024	65.607	-0.020	68.871	0.006	68.888	0.002	68.900	-0.003	68.910	-0.003
65.620	-0.024	65.632	-0.020	65.646	-0.027	65.661	-0.023	68.925	-0.007	68.936	-0.003	68.957	0.004	68.973	-0.004
65.677	-0.023	65.690	-0.023	65.704	-0.019	65.717	-0.019	68.992	-0.016	69.005	-0.012	69.024	-0.005	69.041	-0.013
65.739	-0.011	65.740	-0.011	65.753	-0.011	65.766	-0.011	69.056	-0.009	69.065	-0.013	69.081	-0.010	69.091	-0.010
65.779	-0.011	65.793	-0.019	65.809	-0.027	65.823	-0.020	69.104	-0.010	69.114	-0.010	69.129	-0.015	69.138	-0.015



69.152	-0.019	69.163	-0.007	69.173	-0.015	69.186	-0.016	71.669	0.020	71.676	0.020	71.689	0.012	71.705	0.016
69.199	-0.012	69.216	-0.000	69.229	-0.000	69.241	-0.001	71.717	0.020	71.733	0.024	71.745	0.020	71.754	0.019
69.255	-0.001	69.270	0.003	69.276	-0.001	69.289	-0.002	71.764	0.019	71.773	0.015	71.787	0.015	71.794	0.011
69.303	-0.010	69.319	-0.002	69.331	0.006	69.335	0.005	71.802	0.015	71.810	0.019	71.820	0.015	71.831	0.018
69.348	0.017	69.356	0.017	69.370	-0.017	69.387	0.016	71.836	0.026	71.848	0.022	71.862	0.010	71.880	0.010
69.405	0.004	69.414	-0.000	69.423	-0.004	69.441	-0.009	71.892	0.018	71.908	0.021	71.918	0.017	71.935	0.016
69.458	-0.001	69.472	0.005	69.486	-0.009	69.504	-0.009	71.949	0.020	71.955	0.020	71.970	0.023	71.978	0.023
69.521	-0.002	69.533	0.006	69.550	-0.006	69.565	-0.006	71.990	0.014	72.005	-0.014	72.020	0.009	72.027	0.005
69.580	-0.006	69.593	-0.006	69.599	-0.002	69.608	-0.002	72.034	0.005	72.050	-0.004	72.063	-0.004	72.074	0.003
69.619	0.002	69.631	0.002	69.642	-0.002	69.651	-0.002	72.092	0.018	72.112	0.018	72.129	0.017	72.140	0.016
69.663	0.001	69.674	0.001	69.683	0.001	69.699	0.001	72.206	0.016	72.220	0.017	72.233	0.019	72.240	0.018
69.708	-0.003	69.729	0.005	69.738	0.001	69.751	-0.003	72.255	0.016	72.270	0.017	72.286	0.019	72.293	0.018
69.763	-0.007	69.775	-0.003	69.787	-0.003	69.794	-0.007	72.301	0.019	72.303	0.010	72.318	0.014	72.334	0.029
69.805	-0.007	69.815	-0.003	69.824	-0.003	69.830	-0.007	72.345	0.029	72.354	0.032	72.362	0.024	72.366	0.024
69.843	-0.011	69.858	-0.003	69.867	-0.002	69.880	-0.006	72.379	0.015	72.391	0.003	72.398	-0.001	72.405	-0.001
69.891	-0.006	69.899	-0.006	69.902	-0.006	69.914	-0.010	72.418	-0.002	72.427	0.010	72.435	0.014	72.451	0.009
69.917	-0.014	69.928	-0.010	69.938	-0.002	69.949	-0.006	72.460	0.005	72.475	-0.004	72.477	-0.008	72.487	-0.004
69.963	-0.010	69.977	-0.010	69.992	-0.010	70.006	-0.006	72.495	-0.004	72.501	-0.009	72.516	-0.005	72.524	-0.009
70.020	-0.006	70.029	-0.010	70.037	-0.014	70.047	-0.010	72.537	-0.010	72.545	-0.006	72.555	-0.007	72.563	-0.023
70.053	-0.012	70.062	-0.006	70.075	-0.002	70.085	-0.002	72.570	-0.019	72.582	-0.011	72.596	-0.019	72.605	-0.020
70.097	-0.010	70.107	-0.014	70.118	-0.026	70.131	-0.026	72.617	-0.034	72.623	-0.016	72.635	-0.016	72.646	-0.020
70.140	-0.014	70.153	-0.011	70.163	-0.015	70.178	-0.019	72.655	-0.020	72.660	-0.024	72.673	-0.032	72.677	-0.041
70.188	-0.019	70.204	-0.019	70.218	-0.015	70.232	-0.007	72.688	-0.029	72.707	-0.033	72.727	-0.032	72.733	-0.032
70.248	-0.012	70.261	-0.012	70.268	-0.016	70.282	-0.012	72.745	-0.038	72.757	-0.028	72.763	-0.032	72.766	-0.038
70.294	-0.012	70.300	-0.012	70.306	-0.012	70.314	-0.008	72.779	-0.032	72.790	-0.036	72.798	-0.036	72.805	-0.036
70.324	-0.012	70.330	-0.012	70.334	-0.012	70.347	-0.012	72.808	-0.036	72.822	-0.043	72.829	-0.043	72.835	-0.043
70.355	-0.016	70.367	-0.012	70.381	-0.012	70.391	-0.009	72.841	-0.043	72.856	-0.047	72.867	-0.043	72.870	-0.043
70.405	-0.013	70.412	-0.017	70.424	-0.021	70.430	-0.017	72.882	-0.043	72.894	-0.047	72.909	-0.038	72.923	-0.038
70.441	-0.009	70.452	-0.009	70.460	-0.005	70.470	-0.005	72.933	-0.046	72.943	-0.046	72.950	-0.050	72.961	-0.046
70.479	-0.005	70.485	-0.001	70.497	-0.005	70.513	-0.005	72.973	-0.042	72.981	-0.037	73.001	-0.037	73.011	-0.041
70.527	-0.009	70.540	-0.005	70.548	-0.001	70.556	-0.011	73.016	-0.041	73.031	-0.037	73.046	-0.032	73.058	-0.038
70.568	-0.001	70.577	-0.001	70.589	0.007	70.602	0.011	73.068	-0.020	73.087	-0.024	73.097	-0.028	73.106	-0.032
70.608	0.011	70.616	0.007	70.633	0.007	70.644	0.011	73.120	-0.031	73.135	-0.035	73.152	-0.027	73.168	-0.027
70.719	0.015	70.731	0.011	70.749	0.003	70.757	0.007	73.184	-0.035	73.193	-0.035	73.199	-0.035	73.207	-0.034
70.766	0.007	70.777	0.007	70.786	0.007	70.798	0.003	73.219	-0.030	73.227	-0.026	73.242	-0.026	73.256	-0.030
70.812	0.011	70.823	0.015	70.829	0.015	70.837	0.010	73.268	-0.030	73.280	-0.034	73.296	-0.042	73.310	-0.042
70.846	-0.002	70.861	0.006	70.874	0.010	70.884	0.014	73.325	-0.042	73.344	-0.042	73.354	-0.042	73.360	-0.046
70.894	0.014	70.902	0.010	70.915	0.006	70.929	0.005	73.370	-0.042	73.387	-0.034	73.399	-0.034	73.416	-0.042
70.942	0.013	70.955	0.021	70.968	0.025	70.984	0.013	73.431	-0.042	73.443	-0.038	73.461	-0.038	73.470	-0.038
71.001	0.005	71.014	0.000	71.026	0.004	71.036	0.004	73.481	-0.035	73.491	-0.035	73.505	-0.035	73.523	-0.020
71.047	0.007	71.056	0.011	71.073	0.014	71.085	0.010	73.537	-0.020	73.552	-0.024	73.567	-0.028	73.582	-0.029
71.094	0.010	71.101	0.006	71.113	0.002	71.121	0.005	73.594	-0.029	73.609	-0.029	73.626	-0.018	73.646	-0.018
71.132	0.009	71.142	0.009	71.159	0.012	71.168	0.012	73.715	-0.015	73.728	-0.007	73.749	-0.007	73.760	-0.023
71.181	0.008	71.192	0.008	71.212	0.007	71.224	0.007	73.780	-0.023	73.794	-0.006	73.808	-0.027	73.820	-0.026
71.238	0.015	71.247	0.015	71.253	0.007	71.266	0.007	73.837	-0.014	73.854	-0.006	73.869	0.003	73.888	0.003
71.272	0.006	71.278	0.006	71.286	0.006	71.297	0.006	73.902	-0.004	73.916	-0.004	73.937	-0.000	73.950	-0.004
71.312	0.010	71.323	0.018	71.333	0.021	71.343	0.005	73.958	-0.004	73.973	0.007	74.000	0.019	74.000	0.015
71.397	0.013	71.408	0.017	71.425	0.017	71.431	0.013	74.015	-0.002	74.024	0.001	74.035	0.001	74.051	-0.008
71.445	-0.013	71.449	0.013	71.459	0.017	71.470	0.017	74.067	-0.001	74.082	0.007	74.095	0.009	74.106	0.011
71.478	0.013	71.482	0.021	71.488	0.021	71.494	0.021	74.120	0.017	74.131	0.023	74.138	0.023	74.144	0.027
71.504	0.025	71.510	0.025	71.520	0.025	71.533	0.025	74.153	0.028	74.156	0.013	74.170	0.005	74.185	0.006
71.544	0.025	71.555	0.025	71.561	0.025	71.570	0.025	74.204	0.011	74.223	0.016	74.239	0.017	74.254	0.025
71.590	0.028	71.600	0.028	71.610	0.020	71.624	0.024	74.273	0.026	74.289	0.023	74.303	0.018	74.312	0.014
71.632	0.024	71.642	0.028	71.653	0.024	71.659	0.024	74.320	0.010	74.336	0.017	74.346	0.020	74.362	0.024



74.369	0.024	74.384	0.025	74.400	0.021	74.403	0.017	78.146	-0.002	78.166	-0.002	78.182	-0.002	78.201	-0.003
74.418	0.014	74.433	0.022	74.442	0.022	74.463	0.023	78.220	0.000	78.240	0.004	78.255	-0.004	78.276	-0.000
74.474	0.019	74.488	0.023	74.509	0.022	74.527	0.012	78.295	0.004	78.314	0.004	78.334	0.013	78.347	0.012
74.550	0.023	74.567	0.020	74.581	0.014	74.595	0.015	78.368	0.008	78.387	0.011	78.406	0.013	78.421	0.014
74.609	0.009	74.619	0.019	74.628	0.025	74.643	0.028	78.438	0.014	78.458	0.017	78.479	0.026	78.500	0.030
74.662	0.021	74.659	0.021	74.669	0.030	74.680	0.026	78.523	0.030	78.542	0.031	78.568	0.039	78.588	0.039
74.687	0.019	74.702	0.020	74.710	0.024	74.721	0.025	78.609	0.044	78.629	0.044	78.647	0.044	78.667	0.045
74.728	0.025	74.745	0.029	74.754	0.024	74.769	0.024	78.680	0.045	78.695	0.045	78.711	0.049	78.730	0.041
74.824	0.010	74.792	0.019	74.800	0.015	74.816	0.011	78.746	0.049	78.763	0.053	78.783	0.053	78.802	0.049
74.888	0.016	74.901	0.020	74.919	0.024	74.937	0.028	78.820	0.053	78.838	0.060	78.851	0.060	78.870	0.068
74.956	0.019	74.971	0.019	74.989	0.019	75.002	0.019	78.884	0.072	78.897	0.056	78.925	0.064	78.958	0.059
75.008	0.023	75.026	0.038	75.046	0.039	75.067	0.034	79.000	0.059	79.043	0.051	79.091	0.054	79.119	0.042
75.070	0.034	75.086	0.026	75.106	0.021	75.123	0.029	79.146	0.029	79.184	0.033	79.221	0.033	79.254	0.033
75.144	0.025	75.162	0.031	75.185	0.018	75.205	0.022	79.278	0.033	79.311	0.025	79.348	0.034	79.382	0.030
75.225	0.025	75.252	0.020	75.277	0.032	75.293	0.028	79.414	0.034	79.446	0.019	79.480	0.015	79.520	0.011
75.310	0.024	75.324	0.020	75.343	0.027	75.359	0.027	79.552	0.012	79.589	0.024	79.620	0.008	79.656	0.009
75.381	0.027	75.404	0.019	75.421	0.019	75.442	0.011	79.689	0.017	79.722	0.009	79.755	0.006	79.797	-0.002
75.468	0.007	75.487	0.015	75.509	0.011	75.527	0.011	79.835	-0.001	79.879	-0.001	79.913	0.004	79.941	-0.008
75.544	0.011	75.547	0.011	75.561	0.014	75.578	0.018	79.976	-0.012	80.003	-0.016	80.027	-0.020	80.056	-0.021
75.595	0.021	75.628	0.022	75.657	0.020	75.679	0.021	80.083	-0.025	80.109	-0.021	80.137	-0.017	80.159	-0.021
75.709	0.018	75.720	0.019	75.752	0.012	75.773	0.012	80.183	-0.022	80.209	-0.030	80.236	-0.026	80.261	-0.022
75.793	0.008	75.818	0.001	75.836	0.005	75.855	0.009	80.296	-0.015	80.333	-0.019	80.363	-0.023	80.391	-0.030
75.876	0.014	75.896	0.006	75.917	0.010	75.932	0.005	80.418	-0.014	80.447	-0.014	80.477	-0.010	80.506	-0.014
75.950	0.005	75.966	0.005	75.984	0.001	75.998	0.003	80.529	-0.010	80.550	-0.010	80.574	-0.010	80.600	-0.010
76.014	-0.004	76.032	-0.004	76.049	-0.004	76.066	-0.008	80.616	-0.010	80.634	-0.014	80.656	-0.010	80.679	-0.010
76.082	-0.008	76.097	-0.004	76.110	-0.012	76.126	-0.013	80.711	-0.010	80.740	-0.010	80.764	-0.018	80.794	-0.010
76.138	-0.013	76.154	-0.005	76.170	-0.009	76.188	-0.021	80.816	-0.013	80.841	-0.009	80.861	-0.009	80.880	-0.005
76.204	-0.025	76.218	-0.029	76.234	-0.028	76.252	-0.028	80.906	-0.011	80.933	-0.020	80.960	-0.017	80.983	-0.015
76.270	-0.036	76.291	-0.031	76.306	-0.035	76.323	-0.023	81.007	-0.020	81.029	-0.025	81.057	-0.026	81.080	-0.022
76.337	-0.039	76.354	-0.026	76.369	-0.026	76.384	-0.026	81.102	-0.020	81.129	-0.020	81.151	-0.020	81.187	-0.023
76.399	-0.034	76.414	-0.041	76.428	-0.033	76.443	-0.033	81.218	-0.031	81.251	-0.027	81.276	-0.023	81.306	-0.018
76.456	-0.033	76.473	-0.033	76.490	-0.038	76.509	-0.038	81.337	-0.016	81.370	-0.013	81.399	-0.016	81.433	-0.000
76.526	-0.035	76.544	-0.035	76.560	-0.043	76.574	-0.044	81.465	-0.014	81.499	-0.015	81.535	-0.011	81.556	-0.011
76.590	-0.048	76.605	-0.044	76.619	-0.045	76.632	-0.041	81.588	-0.007	81.617	-0.010	81.653	-0.006	81.674	-0.006
76.646	-0.045	76.660	-0.046	76.680	-0.046	76.699	-0.046	81.697	-0.002	81.722	-0.002	81.744	0.002	81.766	0.002
76.716	-0.051	76.732	-0.054	76.746	-0.058	76.763	-0.058	81.790	0.009	81.813	-0.003	81.833	-0.004	81.854	-0.009
76.780	-0.054	76.794	-0.066	76.808	-0.069	76.823	-0.065	81.879	-0.014	81.903	-0.011	81.934	-0.015	81.963	-0.012
76.840	-0.061	76.859	-0.057	76.878	-0.061	76.893	-0.069	81.987	-0.004	82.012	-0.008	82.047	-0.010	82.082	-0.003
76.906	-0.057	76.928	-0.061	76.950	-0.062	76.967	-0.062	82.114	-0.004	82.144	-0.005	82.181	-0.005	82.213	-0.004
76.985	-0.062	77.002	-0.070	77.018	-0.070	77.035	-0.061	82.233	-0.011	82.276	-0.005	82.318	0.004	82.349	0.004
77.051	-0.065	77.068	-0.061	77.087	-0.056	77.106	-0.056	82.383	0.004	82.406	-0.004	82.437	-0.007	82.467	-0.009
77.127	-0.052	77.146	-0.056	77.162	-0.050	77.182	-0.064	82.498	0.010	82.530	-0.012	82.562	-0.008	82.589	-0.011
77.198	-0.065	77.212	-0.061	77.229	-0.061	77.244	-0.061	82.617	-0.010	82.639	-0.014	82.659	-0.006	82.687	-0.010
77.269	-0.054	77.288	-0.053	77.303	-0.061	77.317	-0.053	82.712	-0.010	82.736	-0.011	82.759	-0.012	82.782	-0.008
77.332	-0.044	77.348	-0.048	77.360	-0.036	77.377	-0.040	82.805	-0.009	82.831	-0.006	82.862	-0.016	82.887	-0.017
77.392	-0.035	77.410	-0.031	77.426	-0.035	77.442	-0.035	82.908	-0.021	82.930	-0.022	82.952	-0.027	82.972	-0.031
77.458	-0.027	77.489	-0.018	77.514	-0.026	77.538	-0.026	82.994	-0.034	83.016	-0.026	83.038	-0.033	83.061	-0.033
77.558	-0.021	77.575	-0.021	77.594	-0.017	77.613	-0.021	83.078	-0.028	83.097	-0.027	83.118	-0.023	83.136	-0.022
77.636	-0.026	77.655	-0.026	77.678	-0.019	77.699	-0.028	83.158	-0.025	83.179	-0.025	83.200	-0.024	83.220	-0.024
77.720	-0.025	77.737	-0.029	77.756	-0.033	77.774	-0.024	83.238	-0.027	83.258	-0.027	83.276	-0.023	83.299	-0.031
77.790	-0.033	77.803	-0.041	77.824	-0.032	77.835	-0.029	83.319	-0.028	83.334	-0.020	83.356	-0.012	83.370	-0.009
77.850	-0.024	77.867	-0.023	77.883	-0.023	77.903	-0.023	83.395	-0.013	83.418	-0.009	83.436	-0.013	83.461	-0.010
77.919	-0.023	77.939	-0.023	77.959	-0.019	77.977	-0.023	83.479	-0.006	83.494	-0.010	83.519	-0.010	83.541	-0.006
77.995	-0.019	78.010	-0.019	78.030	-0.019	78.048	-0.018	83.563	-0.002	83.589	-0.001	83.608	-0.001	83.633	-0.004
78.067	-0.018	78.086	-0.014	78.105	-0.005	78.128	-0.001	83.652	0.004	83.676	-0.000	83.697	0.007	83.717	0.003
								83.735	0.015	83.763	0.011	83.781	0.014	83.802	0.002



83.825	0.006	83.858	0.013	83.888	0.001	83.910	0.001
83.936	-0.003	83.969	0.001	84.000	0.005	84.030	0.002
84.055	-0.006	84.083	0.002	84.113	-0.006	84.142	-0.002
84.173	-0.006	84.203	-0.010	84.235	-0.005	84.262	-0.007
84.292	-0.011	84.312	-0.012	84.340	-0.000	84.366	-0.001
84.395	-0.001	84.432	-0.002	84.466	-0.002	84.505	-0.002
84.539	-0.006	84.578	-0.009	84.609	-0.008	84.638	-0.007
84.681	-0.002	84.729	0.002	84.762	-0.001	84.798	-0.013
84.839	-0.013	84.886	-0.005	84.918	-0.001	84.954	-0.005
84.987	-0.013	85.016	-0.010	85.049	-0.014	85.081	-0.015
85.117	-0.013	85.148	-0.015	85.182	-0.017	85.214	-0.014
85.258	-0.013	85.305	-0.018	85.345	-0.010	85.391	-0.018
85.433	-0.018	85.479	-0.013	85.547	-0.013	85.611	-0.016
85.659	-0.012	85.711	-0.015	85.737	-0.015	85.818	-0.014
85.861	-0.006	85.891	-0.010	85.922	-0.014	85.975	-0.015
86.028	-0.015	86.071	-0.019	86.109	-0.015	86.149	-0.003
86.208	-0.011	86.284	-0.007	86.315	-0.007		







3.769	-0.035	3.784	0.016	3.799	-0.024	3.808	-0.052	7.170	0.096	7.192	-0.027	7.218	-0.118	7.234	-0.170
3.821	-0.028	3.839	-0.064	3.855	-0.088	3.869	-0.124	7.245	-0.166	7.262	-0.102	7.282	-0.047	7.292	-0.043
3.885	-0.164	3.902	-0.065	3.918	0.022	3.932	0.098	7.310	-0.091	7.325	-0.114	7.334	-0.107	7.350	-0.091
3.948	0.129	3.956	0.113	3.967	0.081	3.969	0.055	7.367	-0.051	7.380	-0.067	7.388	-0.091	7.405	-0.166
3.981	0.025	3.981	0.017	4.004	0.045	4.016	0.056	7.419	-0.218	7.422	-0.218	7.441	-0.119	7.459	-0.036
4.026	-0.013	4.038	-0.031	4.051	-0.079	4.062	-0.146	7.476	-0.091	7.498	0.099	7.515	-0.055	7.526	-0.040
4.073	-0.198	4.076	-0.226	4.081	-0.238	4.093	-0.173	7.536	-0.008	7.548	-0.060	7.549	-0.060	7.562	-0.016
4.113	-0.036	4.127	-0.023	4.139	-0.086	4.156	-0.173	7.573	-0.000	7.586	-0.028	7.600	-0.036	7.621	0.023
4.163	0.173	4.176	0.121	4.194	0.081	4.214	0.077	7.638	0.122	7.650	0.150	7.661	0.178	7.677	0.091
4.223	0.041	4.231	0.001	4.244	-0.066	4.255	-0.130	7.696	-0.073	7.713	-0.032	7.719	-0.036	7.744	-0.044
4.277	-0.174	4.293	-0.174	4.308	-0.103	4.323	-0.099	7.758	-0.020	7.774	-0.035	7.799	-0.037	7.813	-0.033
4.341	-0.083	4.363	-0.008	4.376	0.028	4.393	0.079	7.831	-0.069	7.841	-0.116	7.846	-0.124	7.866	-0.045
4.404	-0.111	4.420	-0.076	4.433	-0.028	4.444	-0.011	7.880	0.034	7.889	0.038	7.904	0.038	7.921	-0.018
4.455	-0.043	4.463	-0.082	4.478	-0.086	4.502	-0.066	7.931	-0.022	7.941	-0.010	7.953	0.006	7.970	0.029
4.510	-0.066	4.525	-0.038	4.539	0.002	4.552	0.082	7.999	0.041	8.015	-0.007	8.021	-0.027	8.051	0.020
4.564	0.169	4.582	0.260	4.595	0.197	4.603	0.157	8.058	0.020	8.072	-0.007	8.098	-0.107	8.128	-0.008
4.621	0.102	4.630	0.059	4.645	0.007	4.660	-0.016	8.147	-0.095	8.167	0.163	8.183	0.092	8.188	0.064
4.667	-0.028	4.679	-0.071	4.693	-0.095	4.724	0.059	8.203	-0.019	8.220	0.060	8.244	0.139	8.265	0.096
4.743	0.138	4.763	0.206	4.774	0.237	4.789	0.324	8.287	-0.023	8.314	-0.047	8.328	-0.086	8.335	-0.070
4.805	0.111	4.820	0.467	4.829	0.439	4.839	0.359	8.364	0.033	8.379	0.001	8.394	-0.070	8.406	-0.138
4.847	0.272	4.859	0.195	4.870	0.085	4.885	-0.026	8.414	-0.161	8.436	-0.066	8.462	0.029	8.478	0.085
4.905	-0.098	4.916	-0.118	4.919	-0.134	4.933	-0.194	8.511	-0.085	8.537	0.093	8.553	-0.101	8.574	-0.069
4.945	-0.242	4.957	-0.274	4.967	-0.306	4.982	-0.215	8.586	0.057	8.604	0.025	8.615	-0.018	8.632	-0.046
5.003	-0.045	5.018	0.030	5.038	0.053	5.060	0.038	8.647	-0.010	8.664	0.030	8.681	0.070	8.692	0.109
5.075	0.064	5.092	0.064	5.104	0.064	5.118	0.048	8.708	0.133	8.724	0.168	8.740	0.172	8.752	0.157
5.133	0.029	5.144	0.013	5.160	-0.003	5.180	0.031	8.773	0.117	8.788	0.085	8.808	0.073	8.827	0.041
5.200	0.033	5.214	0.029	5.225	0.081	5.238	0.169	8.842	0.017	8.855	0.016	8.871	0.016	8.893	-0.040
5.242	0.177	5.252	0.098	5.262	0.022	5.282	-0.092	8.907	-0.091	8.929	-0.115	8.951	-0.080	8.971	-0.100
5.313	0.012	5.338	0.080	5.353	0.108	5.370	0.068	8.983	-0.033	9.094	0.010	9.005	0.046	9.019	0.069
5.379	0.061	5.397	0.113	5.418	0.164	5.434	0.197	9.037	0.025	9.058	-0.027	9.072	-0.043	9.086	-0.012
5.448	0.145	5.459	0.078	5.474	-0.017	5.490	-0.084	9.112	-0.050	9.125	-0.066	9.146	0.010	9.165	-0.038
5.505	-0.151	5.521	-0.175	5.551	-0.112	5.577	-0.016	9.173	-0.039	9.181	-0.015	9.203	0.047	9.218	0.079
5.598	0.023	5.616	0.095	5.641	0.190	5.663	0.245	9.235	-0.074	9.248	0.050	9.260	-0.010	9.284	-0.011
5.675	0.234	5.684	0.158	5.697	0.059	5.714	-0.004	9.299	0.044	9.316	0.023	9.328	-0.053	9.347	-0.078
5.738	0.087	5.759	0.083	5.792	0.063	5.810	0.083	9.369	0.009	9.386	0.044	9.411	0.023	9.429	0.026
5.831	0.166	5.867	0.094	5.862	-0.053	5.879	-0.180	9.449	0.065	9.465	0.100	9.493	0.043	9.511	0.007
5.880	-0.199	5.900	-0.144	5.917	-0.097	5.943	-0.161	9.529	0.026	9.546	0.046	9.562	0.041	9.582	0.017
5.961	-0.204	5.969	-0.177	5.982	-0.114	6.004	0.021	9.605	-0.029	9.620	0.072	9.641	0.123	9.655	0.111
6.018	0.033	6.037	0.056	6.048	0.115	6.058	0.155	9.678	0.039	9.700	0.063	9.725	0.122	9.746	0.125
6.072	0.099	6.085	-0.008	6.105	-0.103	6.118	-0.147	9.756	0.097	9.785	-0.014	9.808	-0.061	9.822	-0.085
6.136	-0.151	6.155	-0.132	6.166	-0.100	6.187	-0.033	9.844	-0.033	9.874	0.014	9.893	0.026	9.910	0.070
6.203	0.034	6.220	0.113	6.238	0.184	6.241	0.192	9.919	0.066	9.934	0.038	9.947	0.043	9.971	0.019
6.253	0.141	6.266	0.061	6.277	-0.006	6.286	-0.097	9.991	0.015	10.012	-0.005	10.033	-0.009	10.062	0.039
6.297	-0.145	6.311	-0.173	6.323	-0.181	6.340	-0.157	10.093	0.122	10.117	0.114	10.142	0.086	10.159	0.034
6.350	-0.133	6.362	-0.066	6.385	-0.023	6.391	-0.011	10.179	0.002	10.200	0.006	10.223	0.026	10.236	0.014
6.407	0.064	6.422	0.243	6.438	0.298	6.443	0.302	10.253	-0.030	10.273	-0.038	10.299	-0.015	10.312	-0.007
6.461	-0.238	6.477	0.127	6.494	-0.039	6.504	-0.099	10.326	-0.015	10.339	-0.067	10.361	-0.099	10.386	-0.020
6.522	-0.143	6.539	-0.103	6.595	-0.029	6.599	-0.017	10.422	0.019	10.436	0.003	10.457	-0.001	10.481	0.007
6.615	0.109	6.642	0.299	6.652	0.235	6.674	0.251	10.507	0.058	10.523	0.070	10.549	0.038	10.582	0.069
6.692	0.144	6.711	0.072	6.727	0.020	6.735	0.012	10.586	0.041	10.621	-0.007	10.641	-0.015	10.666	-0.012
6.749	0.020	6.766	0.047	6.781	-0.040	6.795	0.012	10.693	0.040	10.714	-0.012	10.744	-0.004	10.766	0.016
6.812	-0.191	6.832	-0.212	6.846	-0.204	6.870	-0.117	10.778	0.012	10.794	-0.012	10.813	-0.068	10.830	-0.135
6.886	-0.062	6.910	-0.023	6.935	-0.023	6.959	-0.016	10.846	-0.163	10.863	-0.151	10.877	-0.112	10.890	-0.116
6.977	-0.008	6.990	-0.028	7.006	-0.064	7.021	-0.120	10.907	-0.147	10.926	-0.124	10.946	-0.073	10.961	0.098
7.033	-0.128	7.054	-0.025	7.069	-0.014	7.082	-0.014	10.973	0.142	10.982	0.158	10.985	0.142	10.990	0.126
7.098	-0.046	7.125	0.001	7.142	0.037	7.155	0.108	10.994	0.110	10.999	0.091	11.015	0.032	11.028	0.005



11.042	-0.027	11.054	-0.046	11.064	-0.073	11.072	-0.101	13.812	-0.009	13.824	-0.028	13.832	-0.032	13.848	-0.005
11.080	-0.116	11.090	-0.112	11.103	-0.107	11.118	-0.099	13.860	0.023	13.874	0.047	13.886	0.067	13.899	0.079
11.129	-0.063	11.140	-0.063	11.150	-0.011	11.161	0.024	13.909	0.075	13.923	0.067	13.938	0.055	13.952	0.031
11.170	0.044	11.180	-0.052	11.192	0.048	11.206	0.032	13.965	0.019	13.977	0.007	13.988	0.011	14.000	0.019
11.219	0.028	11.234	0.000	11.245	-0.023	11.254	-0.047	14.010	0.019	14.021	0.003	14.033	-0.029	14.048	-0.065
11.266	-0.075	11.276	-0.099	11.287	-0.107	11.299	-0.107	14.057	-0.101	14.072	0.125	14.082	-0.109	14.096	-0.062
11.311	-0.111	11.320	-0.087	11.331	-0.044	11.342	0.003	14.110	-0.022	14.121	0.009	14.131	0.029	14.140	0.025
11.352	0.031	11.362	0.055	11.378	0.075	11.398	0.082	14.152	-0.007	14.164	-0.039	14.173	-0.063	14.181	-0.071
11.415	0.074	11.428	0.070	11.439	0.046	11.451	-0.009	14.195	-0.068	14.206	-0.064	14.220	-0.068	14.237	-0.080
11.463	-0.057	11.472	-0.093	11.477	-0.109	11.485	-0.085	14.250	-0.089	14.266	-0.105	14.275	-0.093	14.290	-0.066
11.505	-0.010	11.517	-0.018	11.529	0.006	11.541	-0.010	14.302	-0.035	14.315	-0.003	14.327	-0.004	14.341	0.000
11.551	-0.034	11.559	-0.058	11.568	-0.058	11.578	-0.026	14.354	0.020	14.366	0.031	14.376	0.043	14.385	0.047
11.596	0.045	11.607	0.065	11.613	0.085	11.622	0.061	14.397	0.031	14.410	0.011	14.421	-0.005	14.436	-0.033
11.635	-0.002	11.646	-0.054	11.656	-0.106	11.668	-0.133	14.448	-0.017	14.460	-0.002	14.475	-0.022	14.494	-0.042
11.682	-0.110	11.702	-0.046	11.716	0.001	11.727	0.029	14.511	-0.054	14.529	-0.042	14.547	-0.026	14.563	-0.010
11.736	0.041	11.747	0.017	11.762	-0.019	11.772	-0.043	14.575	0.009	14.587	0.045	14.597	0.065	14.619	0.081
11.782	-0.055	11.795	-0.031	11.810	0.001	11.825	0.024	14.635	0.085	14.649	0.097	14.664	0.105	14.676	0.093
11.846	0.044	11.865	0.056	11.881	0.048	11.895	0.075	14.689	0.062	14.704	0.030	14.713	-0.005	14.722	-0.049
11.915	0.083	11.930	0.075	11.947	0.059	11.958	0.048	14.732	-0.085	14.744	-0.108	14.749	-0.100	14.759	-0.080
11.974	0.004	11.992	-0.067	12.006	-0.107	12.015	-0.135	14.771	-0.052	14.785	-0.017	14.797	0.019	14.812	0.023
12.024	-0.131	12.035	-0.095	12.051	-0.036	12.062	-0.028	14.824	0.035	14.837	0.051	14.849	0.035	14.860	0.019
12.083	-0.040	12.097	-0.016	12.104	0.011	12.119	0.019	14.877	0.012	14.890	0.012	14.903	0.004	14.914	-0.012
12.139	0.019	12.160	0.019	12.171	-0.005	12.185	-0.040	14.927	-0.024	14.941	-0.036	14.952	-0.032	14.964	-0.028
12.198	-0.096	12.210	-0.112	12.216	-0.124	12.225	-0.120	14.976	-0.020	14.988	-0.036	15.001	-0.044	15.008	-0.063
12.238	-0.100	12.252	-0.068	12.263	-0.056	12.275	-0.044	15.019	-0.044	15.029	-0.028	15.044	-0.020	15.056	-0.008
12.289	-0.037	12.298	-0.041	12.307	-0.049	12.322	-0.060	15.067	-0.000	15.076	0.015	15.087	0.019	15.098	0.003
12.331	-0.037	12.346	-0.013	12.355	0.011	12.366	0.011	15.110	-0.024	15.121	-0.052	15.131	-0.076	15.141	-0.064
12.378	-0.013	12.387	-0.033	12.399	-0.053	12.410	-0.065	15.150	-0.048	15.157	-0.028	15.170	-0.028	15.186	-0.028
12.420	-0.081	12.433	-0.065	12.446	-0.061	12.455	-0.057	15.200	-0.025	15.212	-0.017	15.227	-0.005	15.235	0.011
12.467	-0.065	12.481	-0.065	12.490	-0.061	12.504	-0.037	15.249	0.023	15.265	0.043	15.276	0.025	15.294	0.035
12.518	-0.033	12.534	-0.014	12.546	-0.006	12.557	0.010	15.311	0.019	15.329	-0.005	15.344	-0.025	15.362	-0.021
12.569	0.002	12.584	-0.014	12.596	-0.022	12.619	-0.018	15.380	-0.013	15.393	-0.005	15.404	0.010	15.415	0.034
12.628	-0.062	12.638	-0.062	12.650	-0.090	12.660	-0.078	15.427	0.054	15.436	0.062	15.454	0.050	15.473	0.050
12.672	-0.066	12.683	-0.043	12.693	-0.043	12.702	-0.043	15.492	0.046	15.501	0.042	15.522	0.017	15.540	0.009
12.711	-0.055	12.721	-0.067	12.730	-0.059	12.737	-0.039	15.550	0.005	15.569	-0.027	15.581	-0.047	15.597	-0.023
12.746	-0.019	12.756	-0.012	12.764	0.004	12.776	0.016	15.609	-0.015	15.620	0.000	15.636	0.004	15.649	0.016
12.787	0.012	12.799	-0.000	12.811	-0.024	12.821	-0.040	15.665	0.016	15.675	0.027	15.685	0.047	15.695	0.055
12.832	-0.048	12.841	-0.048	12.852	-0.036	12.862	-0.017	15.708	0.050	15.722	0.030	15.738	-0.002	15.756	-0.034
12.875	0.007	12.887	-0.009	12.897	-0.021	12.906	-0.037	15.769	-0.050	15.811	-0.051	15.830	-0.051	15.844	-0.072
12.916	-0.041	12.924	-0.029	12.937	-0.005	12.946	0.014	15.859	-0.056	15.881	-0.021	15.895	0.002	15.914	0.006
12.961	0.034	12.972	0.046	12.984	0.042	12.996	0.038	15.937	0.005	15.955	0.021	15.965	0.037	15.977	0.009
13.012	0.058	13.023	0.038	13.036	-0.006	13.049	-0.058	15.994	-0.019	16.012	-0.003	16.028	-0.031	16.045	-0.043
13.063	-0.077	13.078	-0.113	13.087	-0.141	13.096	-0.133	16.063	-0.055	16.075	-0.083	16.090	-0.111	16.101	-0.119
13.111	-0.110	13.128	-0.086	13.143	-0.058	13.155	-0.038	16.114	-0.107	16.129	-0.059	16.144	-0.007	16.153	0.012
13.173	-0.011	13.182	0.001	13.198	0.017	13.213	0.021	16.162	-0.028	16.173	0.024	16.186	0.009	16.201	-0.011
13.226	0.029	13.241	0.065	13.250	0.053	13.265	0.029	16.213	0.009	16.231	0.017	16.246	0.033	16.261	0.033
13.279	-0.005	13.291	-0.027	13.305	-0.038	13.316	-0.042	16.278	-0.025	16.295	0.009	16.306	0.009	16.321	0.015
13.326	-0.034	13.338	-0.011	13.349	0.009	13.363	0.013	16.336	-0.019	16.357	-0.003	16.371	0.005	16.383	0.016
13.377	0.009	13.389	-0.003	13.401	-0.007	13.411	-0.031	16.395	0.032	16.411	0.044	16.423	0.068	16.443	0.068
13.421	-0.043	13.435	-0.027	13.448	-0.007	13.463	0.025	16.460	0.076	16.468	0.068	16.479	0.048	16.492	0.020
13.476	0.044	13.490	0.060	13.504	0.064	13.518	0.084	16.509	0.004	16.542	0.016	16.555	-0.004	16.572	-0.027
13.532	0.096	13.545	0.107	13.559	0.099	13.574	0.084	16.587	-0.051	16.600	-0.063	16.614	-0.071	16.635	-0.023
13.589	0.068	13.605	0.048	13.617	0.060	13.632	0.060	16.650	-0.023	16.671	-0.027	16.689	-0.015	16.717	-0.035
13.649	0.036	13.663	0.012	13.678	-0.000	13.694	0.008	16.734	-0.027	16.747	0.001	16.761	-0.003	16.776	-0.010
13.706	-0.008	13.722	-0.028	13.737	-0.012	13.752	-0.008	16.787	-0.022	16.803	-0.010	16.814	-0.014	16.831	-0.022
13.766	-0.008	13.782	0.019	13.791	0.035	13.801	0.019	16.841	-0.042	16.854	-0.061	16.866	-0.073	16.883	-0.073



16.897	-0.061	16.916	-0.049	16.929	-0.041	16.946	-0.057	20.430	-0.097	20.444	-0.085	20.458	-0.081	20.473	-0.069
16.964	-0.069	16.975	-0.049	16.989	-0.039	17.004	-0.022	20.485	-0.057	20.499	-0.053	20.514	-0.053	20.523	-0.045
17.024	-0.037	17.039	-0.041	17.057	-0.053	17.075	-0.042	20.539	-0.029	20.551	-0.009	20.566	-0.001	20.580	-0.001
17.088	-0.054	17.101	-0.074	17.113	-0.070	17.128	-0.042	20.592	-0.005	20.602	-0.013	20.614	-0.032	20.632	-0.064
17.147	-0.027	17.160	-0.003	17.176	0.024	17.186	0.040	20.644	-0.072	20.659	-0.072	20.682	-0.075	20.701	-0.067
17.197	-0.039	17.211	0.023	17.225	0.007	17.240	-0.005	20.716	-0.067	20.737	-0.059	20.749	-0.047	20.764	-0.055
17.255	-0.005	17.272	-0.014	17.288	-0.026	17.306	-0.034	20.777	-0.055	20.789	-0.059	20.802	-0.067	20.817	-0.063
17.318	-0.058	17.333	-0.047	17.347	-0.051	17.362	-0.056	20.834	-0.059	20.846	-0.055	20.860	-0.071	20.873	-0.091
17.375	-0.032	17.392	-0.005	17.413	0.019	17.426	0.026	20.885	-0.099	20.900	-0.107	20.920	-0.115	20.941	-0.115
17.442	0.034	17.459	0.030	17.477	0.035	17.493	0.033	20.961	-0.107	20.985	-0.119	21.006	-0.111	21.027	-0.123
17.509	-0.025	17.525	0.013	17.539	-0.004	17.556	-0.023	21.038	-0.123	21.060	-0.123	21.079	-0.119	21.101	-0.111
17.579	-0.019	17.598	-0.039	17.614	-0.051	17.631	-0.067	21.110	-0.107	21.126	-0.119	21.146	-0.123	21.162	-0.115
17.649	-0.071	17.668	-0.074	17.682	-0.078	17.701	-0.078	21.180	-0.123	21.194	-0.112	21.213	-0.100	21.229	-0.084
17.719	-0.070	17.742	-0.046	17.748	-0.018	17.764	-0.002	21.242	-0.076	21.256	-0.076	21.274	-0.084	21.291	-0.084
17.780	-0.014	17.793	0.034	17.807	0.010	17.824	-0.010	21.308	-0.101	21.318	-0.085	21.335	-0.073	21.344	-0.065
17.842	0.018	17.865	-0.021	17.885	-0.005	17.900	-0.045	21.359	-0.085	21.375	-0.093	21.397	-0.082	21.416	-0.062
17.915	-0.029	17.933	-0.033	17.944	-0.021	17.958	-0.009	21.433	-0.054	21.448	-0.039	21.466	-0.035	21.480	-0.028
17.969	0.010	17.982	0.010	17.997	-0.018	18.014	-0.038	21.491	-0.016	21.504	-0.009	21.512	-0.012	21.529	-0.029
18.028	-0.062	18.043	-0.086	18.059	-0.091	18.073	-0.087	21.565	-0.041	21.558	-0.057	21.568	-0.061	21.586	-0.058
18.088	-0.071	18.104	-0.056	18.119	-0.044	18.134	-0.025	21.598	-0.058	21.615	-0.058	21.628	-0.042	21.640	-0.034
18.152	-0.018	18.167	-0.006	18.180	0.009	18.193	-0.003	21.677	-0.027	21.653	-0.019	21.660	0.001	21.672	0.013
18.208	-0.011	18.220	-0.004	18.232	-0.000	18.243	0.003	21.678	-0.021	21.686	0.041	21.695	0.049	21.710	0.052
18.255	-0.013	18.276	-0.013	18.291	-0.010	18.303	-0.006	21.728	0.052	21.737	0.040	21.743	0.036	21.755	0.021
18.315	0.005	18.329	0.021	18.343	0.017	18.359	0.009	21.764	0.009	21.776	0.001	21.787	-0.011	21.796	-0.015
18.372	-0.015	18.390	-0.035	18.408	-0.027	18.422	-0.027	21.811	-0.011	21.822	-0.007	21.833	0.004	21.844	0.012
18.448	-0.027	18.477	-0.011	18.500	-0.035	18.520	-0.015	21.853	0.004	21.864	-0.003	21.870	-0.001	21.883	-0.019
18.533	-0.002	18.579	0.006	18.597	0.019	18.621	0.021	21.895	-0.011	21.904	0.032	21.925	0.056	21.969	0.052
18.642	0.028	18.665	0.034	18.681	0.040	18.704	0.021	21.938	0.060	21.946	0.060	21.959	0.048	21.969	0.052
18.725	0.029	18.737	0.018	18.756	-0.010	18.767	-0.025	21.976	0.054	21.986	0.072	21.997	0.080	22.013	0.084
18.779	-0.003	18.804	0.035	18.816	0.043	18.834	0.071	22.025	0.072	22.035	0.057	22.045	0.045	22.053	0.037
18.853	0.055	18.869	0.051	18.896	0.056	18.919	0.056	22.068	0.037	22.080	0.053	22.085	0.057	22.096	0.080
18.938	0.064	18.958	0.076	18.973	0.080	18.986	0.092	22.104	0.092	22.112	0.100	22.121	0.084	22.127	0.065
19.002	-0.084	19.020	0.084	19.039	0.076	19.050	0.060	22.136	0.045	22.145	0.045	22.150	0.049	22.164	0.061
19.065	-0.096	19.083	0.108	19.096	0.120	19.114	0.125	22.175	0.089	22.187	0.093	22.198	0.097	22.207	0.093
19.126	0.139	19.144	0.123	19.159	0.119	19.176	0.139	22.218	0.081	22.228	0.065	22.238	0.053	22.243	0.045
19.196	0.147	19.217	0.159	19.236	0.175	19.252	0.159	22.255	0.045	22.265	0.049	22.272	0.049	22.287	0.041
19.267	0.158	19.285	0.151	19.305	0.144	19.320	0.128	22.308	0.069	22.319	0.061	22.331	0.053	22.341	0.046
19.338	0.128	19.362	0.128	19.385	0.109	19.412	0.101	22.348	0.034	22.356	0.029	22.368	0.017	22.382	0.021
19.437	0.097	19.467	0.102	19.491	0.094	19.523	0.087	22.396	0.033	22.411	0.040	22.429	0.036	22.444	0.032
19.546	0.107	19.564	0.119	19.588	0.115	19.607	0.100	22.458	0.028	22.468	0.036	22.476	0.035	22.484	0.035
19.627	0.124	19.638	0.120	19.653	0.108	19.661	0.108	22.493	0.043	22.515	0.047	22.526	0.034	22.541	0.050
19.672	0.092	19.682	0.076	19.694	0.072	19.705	0.072	22.555	0.042	22.561	0.042	22.574	0.038	22.583	0.042
19.722	0.076	19.735	0.084	19.750	0.092	19.759	0.072	22.589	0.041	22.603	0.053	22.613	0.045	22.620	0.041
19.771	0.068	19.782	0.068	19.792	0.083	19.804	0.087	22.634	0.048	22.648	0.040	22.654	0.034	22.660	0.032
19.815	0.091	19.827	0.087	19.840	0.083	19.848	0.075	22.671	0.038	22.673	0.023	22.693	0.031	22.708	0.039
19.859	0.067	19.872	0.055	19.884	0.043	19.899	0.027	22.719	0.038	22.733	0.038	22.748	0.034	22.748	0.030
19.913	0.027	19.931	0.027	19.941	0.023	19.951	0.011	22.760	0.017	22.770	0.017	22.783	0.021	22.792	0.028
19.961	0.011	19.973	0.007	19.984	-0.005	19.994	0.007	22.800	0.036	22.811	0.052	22.818	0.071	22.830	0.091
20.004	0.011	20.013	0.015	20.022	0.018	20.036	0.010	22.849	0.106	22.864	0.106	22.880	0.097	22.896	0.101
20.048	0.006	20.063	0.010	20.077	0.014	20.090	0.014	22.898	0.104	22.920	0.096	22.928	0.100	22.943	0.112
20.103	0.026	20.113	0.034	20.123	0.030	20.138	0.014	22.959	0.104	22.968	0.091	22.980	0.071	22.989	0.067
20.182	-0.002	20.168	-0.002	20.184	0.001	20.199	0.001	23.002	0.063	23.021	0.067	23.038	0.074	23.050	0.074
20.209	0.005	20.220	-0.003	20.235	-0.003	20.245	-0.003	23.065	0.074	23.082	0.086	23.093	0.089	23.102	0.093
20.262	-0.005	20.278	0.001	20.291	0.002	20.306	-0.002	23.116	0.089	23.132	0.073	23.141	0.057	23.148	0.057
20.332	-0.014	20.337	-0.026	20.352	-0.034	20.364	-0.034	23.160	0.053	23.177	0.068	23.198	0.076	23.206	0.076
20.377	-0.054	20.391	-0.073	20.405	-0.085	20.417	-0.097	23.212	0.072	23.223	0.079	23.235	0.091	23.251	0.103



23.268	0.110	23.276	0.122	23.291	0.122	23.302	0.122	26.297	0.099	26.304	0.063	26.327	0.059	26.334	0.078
23.316	0.118	23.329	0.109	23.343	0.113	23.353	0.113	26.348	0.110	26.359	0.109	26.378	0.105	26.393	0.088
23.364	0.109	23.373	0.097	23.379	0.081	23.386	0.065	26.405	0.052	26.417	0.044	26.432	0.055	26.440	0.063
23.397	0.053	23.409	0.053	23.415	0.072	23.424	0.084	26.463	0.078	26.477	0.066	26.492	0.050	26.509	0.046
23.439	0.099	23.451	0.127	23.470	0.126	23.477	0.114	26.520	0.041	26.538	0.041	26.551	0.037	26.566	0.032
23.488	0.102	23.502	0.097	23.514	0.097	23.523	0.101	26.582	0.032	26.592	0.024	26.598	0.024	26.612	0.023
23.532	0.112	23.541	0.128	23.556	0.139	23.566	0.139	26.618	0.031	26.635	0.047	26.648	0.047	26.661	0.046
23.573	0.135	23.590	0.127	23.601	0.107	23.615	0.087	26.669	0.034	26.683	0.038	26.698	0.029	26.718	0.069
23.626	0.079	23.635	0.074	23.646	0.066	23.658	0.058	26.735	0.069	26.752	0.037	26.768	0.024	26.781	0.028
23.669	0.054	23.681	0.058	23.694	0.069	23.706	0.093	26.800	0.036	26.817	0.039	26.840	0.027	26.861	0.019
23.722	0.088	23.731	0.092	23.741	0.120	23.756	0.123	26.876	0.023	26.887	0.046	26.900	0.054	26.920	0.038
23.770	0.123	23.785	0.111	23.793	0.111	23.800	0.103	26.933	0.030	26.942	0.026	26.950	0.026	26.960	0.038
23.814	0.106	23.827	0.110	23.839	0.110	23.850	0.106	26.970	0.050	26.986	0.070	27.008	0.090	27.022	0.096
23.864	0.082	23.872	0.054	23.880	0.042	23.890	0.026	27.034	0.078	27.043	0.062	27.052	0.054	27.056	0.043
23.907	0.014	23.922	0.017	23.935	0.029	23.951	0.033	27.062	0.039	27.071	0.031	27.077	0.039	27.085	0.039
23.957	0.029	23.964	0.025	23.981	0.025	23.998	0.044	27.090	0.039	27.099	0.036	27.108	0.032	27.120	0.024
24.012	0.060	24.028	0.064	24.042	0.059	24.055	0.047	27.128	0.013	27.133	0.005	27.138	-0.003	27.151	-0.011
24.063	0.039	24.078	0.023	24.093	0.019	24.102	0.007	27.164	-0.015	27.177	-0.019	27.189	-0.016	27.203	-0.009
24.118	-0.009	24.130	-0.025	24.145	-0.053	24.159	-0.065	27.218	0.007	27.229	0.018	27.244	0.010	27.262	0.017
24.174	-0.078	24.191	-0.082	24.208	-0.082	24.221	-0.095	27.276	0.020	27.286	0.008	27.294	-0.004	27.304	-0.008
24.238	-0.087	24.254	-0.091	24.280	-0.084	24.296	-0.080	27.315	-0.005	27.325	-0.001	27.342	0.007	27.362	0.006
24.311	-0.085	24.320	-0.089	24.337	-0.057	24.348	-0.054	27.369	-0.006	27.387	-0.015	27.402	-0.035	27.419	-0.039
24.356	-0.090	24.369	-0.086	24.382	-0.075	24.402	-0.078	27.444	-0.016	27.471	-0.008	27.494	-0.016	27.515	-0.012
24.413	-0.091	24.424	-0.091	24.440	-0.108	24.454	-0.108	27.538	-0.012	27.565	-0.023	27.585	-0.031	27.593	-0.043
24.473	-0.109	24.485	-0.105	24.496	-0.109	24.510	-0.109	27.618	-0.055	27.639	-0.063	27.656	-0.051	27.670	-0.075
24.518	-0.110	24.529	-0.110	24.542	-0.114	24.551	-0.122	27.685	-0.083	27.699	-0.075	27.721	-0.059	27.742	-0.063
24.560	-0.138	24.567	-0.143	24.573	-0.151	24.582	-0.171	27.756	-0.059	27.769	-0.048	27.782	-0.040	27.802	-0.040
24.595	-0.187	24.618	-0.183	24.632	-0.176	24.643	-0.172	27.817	-0.064	27.823	-0.060	27.834	-0.048	27.842	-0.052
24.660	-0.153	24.670	-0.162	24.679	-0.165	24.691	-0.173	27.853	-0.060	27.862	-0.048	27.877	-0.053	27.893	-0.045
24.705	-0.177	24.719	-0.162	24.730	-0.158	24.743	-0.162	27.910	-0.041	27.921	-0.049	27.934	-0.069	27.947	-0.081
24.760	-0.131	24.769	-0.131	24.780	-0.147	24.793	-0.155	27.959	-0.101	27.969	-0.097	27.980	-0.089	27.999	-0.085
24.803	-0.155	24.819	-0.147	24.831	-0.136	24.838	-0.132	28.019	-0.069	28.042	-0.069	28.058	-0.069	28.072	-0.085
24.849	-0.136	24.858	-0.136	24.871	-0.128	24.884	-0.137	28.087	-0.077	28.106	-0.061	28.125	-0.050	28.137	-0.042
24.890	-0.141	24.903	-0.137	24.910	-0.133	24.931	-0.126	28.148	-0.042	28.162	-0.045	28.179	-0.042	28.191	-0.054
24.948	-0.114	24.969	-0.111	24.980	-0.099	24.999	-0.076	28.203	-0.070	28.214	-0.082	28.221	-0.086	28.235	-0.090
25.017	-0.080	25.035	-0.094	25.059	-0.105	25.071	-0.105	28.246	-0.086	28.251	-0.082	28.271	-0.058	28.293	-0.038
25.081	-0.101	25.104	-0.106	25.125	-0.090	25.140	-0.091	28.312	-0.059	28.327	-0.058	28.339	-0.046	28.356	-0.034
25.153	-0.083	25.164	-0.072	25.173	-0.068	25.197	-0.053	28.366	-0.027	28.385	-0.015	28.398	-0.027	28.418	-0.046
25.213	-0.010	25.225	-0.011	25.242	-0.019	25.261	-0.016	28.439	-0.042	28.458	-0.030	28.468	-0.030	28.485	-0.038
25.272	-0.017	25.287	-0.021	25.299	-0.014	25.308	-0.002	28.459	-0.050	28.458	-0.045	28.468	-0.034	28.485	-0.026
25.327	-0.003	25.340	-0.007	25.357	-0.011	25.370	-0.024	28.509	-0.038	28.509	-0.038	28.510	-0.038	28.522	-0.022
25.381	-0.024	25.397	-0.012	25.416	-0.001	25.434	0.010	28.583	-0.038	28.591	-0.038	28.610	-0.038	28.623	-0.018
25.455	0.018	25.471	0.013	25.483	0.017	25.493	0.025	28.680	-0.034	28.697	-0.042	28.715	-0.046	28.736	-0.034
25.509	0.064	25.515	0.068	25.533	0.076	25.542	0.072	28.765	-0.026	28.786	-0.018	28.803	-0.006	28.828	-0.019
25.551	0.064	25.563	0.056	25.575	0.036	25.587	0.036	28.853	-0.007	28.880	-0.007	28.895	-0.016	28.915	-0.012
25.596	0.036	25.613	0.047	25.628	0.063	25.649	0.067	28.935	-0.008	28.950	0.003	28.962	-0.001	28.979	-0.009
25.662	0.055	25.678	0.051	25.685	0.055	25.703	0.078	28.998	-0.009	29.012	-0.010	29.029	0.002	29.045	-0.002
25.720	0.094	25.734	0.098	25.751	0.094	25.766	0.078	29.059	-0.018	29.077	-0.011	29.097	0.009	29.117	0.012
25.787	0.070	25.802	0.082	25.819	0.085	25.834	0.081	29.135	0.012	29.153	0.035	29.164	0.047	29.189	0.055
25.842	0.069	25.860	0.062	25.868	0.085	25.877	0.093	29.202	0.050	29.216	0.030	29.220	0.022	29.236	0.014
25.900	0.110	25.917	0.118	25.934	0.114	25.947	0.106	29.252	0.014	29.277	0.029	29.296	0.029	29.312	0.025
25.964	0.102	25.984	0.099	26.006	0.107	26.022	0.103	29.324	0.016	29.336	0.012	29.347	0.016	29.361	0.028
26.037	0.095	26.057	0.099	26.078	0.104	26.092	0.108	29.380	0.043	29.401	0.047	29.421	0.031	29.438	0.022
26.121	0.117	26.132	0.121	26.144	0.116	26.158	0.112	29.453	0.018	29.467	0.022	29.479	0.010	29.496	0.002
26.180	0.100	26.199	0.088	26.199	0.088	26.208	0.060	29.514	-0.007	29.529	-0.003	29.545	0.001	29.565	0.000
26.223	0.036	26.233	0.048	26.254	0.068	26.263	0.079	29.581	0.012	29.595	0.004	29.615	-0.000	29.637	-0.001



29.657	0.015	29.681	0.042	29.698	0.042	29.710	0.042	33.249	0.031	33.263	0.042	33.275	0.042	33.289	0.045
29.721	0.045	29.741	0.061	29.751	0.053	29.763	0.065	33.302	0.088	33.311	0.092	33.324	0.084	33.333	0.075
29.772	0.064	29.788	0.044	29.798	0.044	29.810	0.052	33.344	0.067	33.358	0.050	33.371	0.066	33.392	0.100
29.818	0.056	29.837	0.059	29.850	0.047	29.863	0.043	33.403	0.104	33.418	0.103	33.434	0.095	33.442	0.086
29.874	0.051	29.889	0.051	29.898	0.043	29.913	0.035	33.457	0.062	33.491	0.061	33.495	0.064	33.513	0.076
29.924	0.034	29.934	0.038	29.950	0.046	29.953	0.042	33.531	0.079	33.546	0.074	33.564	0.069	33.579	0.069
29.962	0.069	29.979	0.026	29.994	0.021	30.007	0.029	33.599	0.076	33.616	0.080	33.634	0.080	33.649	0.071
30.023	0.041	30.034	0.033	30.049	0.037	30.064	0.036	33.659	0.059	33.676	0.055	33.698	0.038	33.723	0.042
30.080	0.024	30.093	0.028	30.111	0.024	30.122	0.012	33.742	0.045	33.754	0.037	33.771	0.033	33.788	0.036
30.129	0.008	30.140	0.000	30.156	-0.008	30.163	-0.012	33.804	0.067	33.836	0.055	33.871	0.033	33.890	0.038
30.180	-0.020	30.199	-0.016	30.213	0.008	30.227	0.031	33.908	0.022	33.925	-0.000	33.935	-0.000	33.957	0.016
30.242	0.023	30.254	0.019	30.260	0.011	30.280	0.007	34.001	0.029	33.995	0.025	34.012	0.034	34.024	0.038
30.294	0.011	30.307	0.007	30.313	0.003	30.331	-0.005	34.041	0.035	34.057	0.020	34.066	-0.016	34.098	-0.015
30.344	-0.016	30.357	-0.044	30.363	-0.048	30.379	-0.040	34.119	-0.008	34.130	0.004	34.151	-0.008	34.170	-0.025
30.397	-0.032	30.412	-0.020	30.420	-0.020	30.437	-0.024	34.239	-0.023	34.255	-0.031	34.267	-0.039	34.280	-0.040
30.451	-0.012	30.458	0.004	30.480	-0.004	30.492	0.000	34.289	-0.036	34.309	-0.017	34.327	-0.017	34.343	-0.029
30.509	-0.008	30.521	-0.011	30.536	-0.004	30.553	0.008	34.353	-0.034	34.374	-0.034	34.395	-0.023	34.412	-0.023
30.566	0.016	30.578	0.012	30.592	0.028	30.605	0.040	34.435	-0.020	34.450	-0.024	34.464	-0.037	34.486	-0.045
30.619	0.032	30.632	0.040	30.649	0.047	30.664	0.036	34.503	-0.042	34.519	-0.042	34.533	-0.050	34.553	-0.055
30.681	0.019	30.696	0.035	30.719	0.046	30.745	0.038	34.576	-0.036	34.593	-0.020	34.610	-0.009	34.622	-0.009
30.760	0.034	30.774	0.037	30.789	0.053	30.805	0.072	34.642	-0.025	34.653	-0.034	34.664	-0.042	34.678	-0.038
30.823	0.080	30.834	0.068	30.851	0.055	30.863	0.063	34.693	-0.023	34.711	-0.023	34.727	-0.035	34.739	-0.036
30.878	0.067	30.894	0.058	30.914	0.070	30.948	0.085	34.749	-0.056	34.765	-0.060	34.783	-0.049	34.793	-0.033
30.981	0.068	30.993	0.080	31.010	0.067	31.030	0.059	34.811	-0.002	34.820	-0.006	34.842	-0.007	34.863	-0.003
31.046	0.046	31.063	0.050	31.081	0.069	31.099	0.053	34.879	-0.008	34.892	-0.016	34.910	-0.016	34.935	-0.017
31.115	0.044	31.137	0.024	31.156	0.008	31.179	0.003	34.944	-0.018	34.982	-0.022	34.996	-0.038	35.008	-0.047
31.198	0.026	31.218	0.046	31.234	0.029	31.254	0.029	35.031	-0.040	35.052	-0.013	35.064	-0.005	35.079	-0.014
31.263	0.025	31.277	0.016	31.298	0.020	31.309	0.019	35.100	-0.019	35.115	-0.011	35.136	-0.008	35.156	-0.009
31.384	-0.011	31.339	-0.013	31.354	-0.033	31.369	-0.050	35.177	-0.006	35.189	-0.006	35.206	-0.003	35.219	0.000
31.449	-0.031	31.470	-0.043	31.489	-0.023	31.509	-0.016	35.239	0.012	35.255	0.035	35.272	0.042	35.289	0.034
31.529	-0.016	31.549	-0.023	31.574	-0.048	31.613	-0.044	35.298	0.026	35.316	0.021	35.341	0.001	35.357	0.000
31.648	-0.040	31.682	-0.052	31.702	-0.048	31.726	-0.056	35.381	0.039	35.404	0.047	35.430	0.021	35.450	0.021
31.747	-0.084	31.780	-0.096	31.806	-0.092	31.828	-0.084	35.478	0.025	35.492	0.037	35.518	0.038	35.538	0.008
31.852	-0.053	31.879	-0.021	31.895	-0.025	31.920	-0.049	35.566	0.008	35.585	0.008	35.607	0.019	35.632	0.027
31.935	-0.081	31.956	-0.081	31.983	-0.065	32.000	-0.073	35.649	0.058	35.669	0.042	35.684	0.019	35.700	0.002
32.022	-0.081	32.045	-0.081	32.065	-0.042	32.082	-0.027	35.724	0.002	35.750	0.033	35.774	0.021	35.801	0.025
32.103	-0.047	32.119	-0.064	32.140	-0.052	32.158	-0.029	35.823	0.032	35.846	0.040	35.865	0.060	35.884	0.056
32.181	-0.022	32.207	-0.031	32.225	-0.039	32.244	-0.016	35.914	0.071	35.932	0.055	35.969	0.047	35.994	0.051
32.260	-0.001	32.286	-0.002	32.308	-0.019	32.329	-0.036	36.008	0.042	36.028	0.018	36.056	0.014	36.076	0.026
32.349	-0.025	32.376	-0.006	32.402	-0.007	32.430	-0.008	36.089	0.022	36.108	0.022	36.125	0.029	36.142	0.029
32.453	-0.001	32.473	-0.002	32.493	0.017	32.511	0.024	36.162	0.025	36.185	0.009	36.199	-0.007	36.219	-0.011
32.536	0.027	32.559	0.010	32.580	-0.003	32.601	-0.008	36.234	-0.011	36.249	-0.007	36.272	-0.007	36.294	-0.012
32.619	-0.005	32.636	-0.017	32.646	-0.022	32.651	-0.014	36.306	-0.020	36.317	-0.024	36.334	-0.008	36.348	0.004
32.662	-0.006	32.669	-0.005	32.679	0.021	32.694	0.018	36.365	-0.000	36.376	-0.004	36.398	-0.020	36.412	-0.032
32.708	-0.002	32.717	-0.010	32.730	0.010	32.747	-0.009	36.432	-0.052	36.450	-0.057	36.474	-0.057	36.489	-0.061
32.759	-0.001	32.771	-0.001	32.783	-0.005	32.791	-0.004	36.516	-0.053	36.537	-0.061	36.552	-0.062	36.568	-0.042
32.807	-0.007	32.820	-0.008	32.831	-0.008	32.847	-0.007	36.582	-0.034	36.597	-0.030	36.614	-0.043	36.636	-0.059
32.904	0.001	32.918	-0.011	32.929	-0.011	32.937	-0.019	36.663	-0.071	36.689	-0.064	36.712	-0.064	36.738	-0.049
32.947	-0.023	32.958	-0.027	32.973	-0.023	32.987	-0.015	36.756	-0.026	36.777	-0.014	36.802	-0.007	36.817	-0.003
33.001	0.009	33.020	0.012	33.026	0.008	33.038	-0.003	36.846	-0.012	36.865	-0.017	36.885	-0.021	36.890	-0.025
33.056	-0.015	33.071	0.000	33.084	0.020	33.096	0.024	36.908	-0.046	36.928	-0.038	36.943	-0.038	36.955	-0.039
33.107	0.016	33.119	-0.000	33.130	-0.009	33.134	-0.005	36.981	-0.027	37.007	-0.020	37.028	-0.016	37.049	-0.004
33.149	0.006	33.163	0.022	33.177	0.041	33.191	0.053	37.064	0.015	37.084	0.019	37.098	0.019	37.116	0.006
33.206	0.056	33.216	0.044	33.222	0.044	33.240	0.031	37.137	0.014	37.151	0.026	37.168	0.021	37.187	0.013
								37.208	0.012	37.230	0.023	37.243	0.049	37.265	0.045



37.281	0.029	37.300	0.029	37.313	0.037	37.330	0.045	41.679	0.009	41.697	0.025	41.720	0.018	41.738	0.010
37.348	0.037	37.365	0.053	37.379	0.045	37.398	0.037	41.749	-0.002	41.768	-0.014	41.802	-0.006	41.825	-0.001
37.414	0.037	37.432	0.048	37.450	0.052	37.473	0.052	41.847	-0.009	41.870	-0.013	41.889	-0.009	41.916	-0.005
37.491	0.044	37.498	0.040	37.529	0.055	37.554	0.059	41.939	-0.020	41.963	-0.032	41.986	-0.028	42.014	-0.024
37.576	0.043	37.598	0.047	37.615	0.042	37.639	0.034	42.046	-0.035	42.071	-0.047	42.089	-0.063	42.120	-0.059
37.648	0.034	37.666	0.038	37.681	0.042	37.695	0.042	42.150	-0.040	42.176	-0.044	42.202	-0.052	42.225	-0.032
37.719	0.049	37.739	0.033	37.758	0.037	37.775	0.057	42.256	-0.036	42.277	-0.048	42.297	-0.056	42.320	-0.048
37.790	0.056	37.803	0.052	37.811	0.040	37.826	0.020	42.339	-0.044	42.360	-0.048	42.383	-0.048	42.400	-0.068
37.842	0.008	37.860	0.020	37.874	0.024	37.891	0.043	42.420	-0.076	42.448	-0.068	42.472	-0.052	42.494	-0.057
37.901	0.035	37.907	0.035	37.923	0.023	37.942	0.015	42.515	-0.061	42.539	-0.061	42.554	-0.069	42.577	-0.065
37.959	0.019	37.967	0.022	37.989	0.038	38.012	0.030	42.610	-0.053	42.638	-0.057	42.659	-0.049	42.688	-0.041
38.032	0.041	38.052	0.033	38.072	0.041	38.092	0.048	42.713	-0.041	42.736	-0.041	42.760	-0.041	42.794	-0.029
38.109	0.040	38.132	0.012	38.160	-0.004	38.179	0.004	42.811	-0.026	42.821	-0.033	42.835	-0.033	42.863	-0.041
38.188	0.004	38.217	0.004	38.236	0.008	38.262	0.007	42.885	-0.030	42.917	-0.022	43.029	-0.010	43.052	-0.003
38.281	0.015	38.301	0.011	38.321	0.007	38.342	0.003	43.083	-0.015	43.111	-0.008	43.137	-0.005	43.156	-0.002
38.353	-0.001	38.366	-0.009	38.383	-0.005	38.394	-0.001	43.173	-0.010	43.205	-0.011	43.229	-0.004	43.264	-0.012
38.418	0.010	38.441	0.006	38.469	0.030	38.495	0.041	43.267	-0.016	43.290	-0.009	43.314	0.003	43.335	-0.001
38.516	0.041	38.529	0.041	38.550	0.045	38.574	0.057	43.360	0.003	43.387	0.003	43.402	0.003	43.422	0.007
38.591	0.053	38.600	0.045	38.615	0.041	38.634	0.036	43.434	-0.009	43.452	-0.001	43.458	0.003	43.469	0.015
38.656	0.059	38.680	0.059	38.700	0.063	38.712	0.059	43.479	0.011	43.488	0.010	43.508	0.008	43.527	0.007
38.726	0.055	38.742	0.046	38.766	0.026	38.786	0.018	43.547	0.007	43.565	0.007	43.579	0.011	43.595	0.003
38.804	0.002	38.823	0.006	38.841	0.013	38.855	0.009	43.615	0.002	43.633	-0.002	43.646	0.014	43.666	0.026
38.870	0.001	38.886	0.004	38.907	0.008	38.919	-0.000	43.683	0.022	43.695	0.022	43.708	0.022	43.721	0.022
38.938	-0.012	38.957	-0.032	38.967	-0.041	38.984	0.046	43.737	0.033	43.752	0.025	43.764	0.021	43.780	0.021
38.995	-0.053	39.017	-0.050	39.041	-0.038	39.057	-0.046	43.795	0.013	43.808	0.013	43.822	0.017	43.837	0.021
39.079	-0.047	39.106	-0.052	39.131	-0.060	39.155	-0.072	43.851	0.018	43.865	0.022	43.879	0.022	43.896	0.018
39.173	-0.081	39.199	-0.073	39.215	-0.082	39.223	-0.082	43.901	0.022	43.919	0.026	43.932	0.022	43.946	0.018
39.239	-0.090	39.260	-0.075	39.284	-0.059	39.310	-0.068	43.958	0.026	43.972	0.030	43.984	0.031	43.999	0.023
39.319	-0.072	39.336	-0.076	39.351	-0.077	39.374	-0.069	44.012	0.015	44.025	0.011	44.038	0.007	44.053	0.008
39.393	-0.081	39.405	-0.070	39.420	-0.062	39.435	-0.058	44.065	0.004	44.080	0.005	44.085	0.005	44.106	0.017
39.458	-0.058	39.481	-0.047	39.502	-0.043	39.510	-0.036	44.124	0.022	44.135	0.030	44.150	0.024	44.167	0.025
39.527	-0.028	39.541	-0.032	39.561	-0.048	39.572	-0.052	44.186	0.030	44.214	0.020	44.233	0.025	44.258	0.018
39.596	-0.065	39.617	-0.051	39.632	-0.057	39.652	-0.030	44.280	0.027	44.300	0.027	44.318	0.030	44.337	0.022
39.671	-0.030	39.697	-0.007	39.724	0.005	39.759	-0.011	44.359	0.013	44.377	0.015	44.392	0.014	44.409	0.005
39.794	0.005	39.825	-0.003	39.855	0.000	39.884	0.004	44.424	0.001	44.444	-0.003	44.465	-0.003	44.485	-0.002
39.914	0.032	39.950	0.027	39.986	0.015	40.006	0.019	44.504	0.004	44.522	0.005	44.539	0.010	44.556	0.003
40.031	0.019	40.066	0.011	40.103	0.011	40.127	0.022	44.572	0.003	44.589	-0.005	44.605	0.002	44.620	-0.002
40.141	0.014	40.180	0.006	40.208	0.010	40.242	0.005	44.635	-0.002	44.649	-0.002	44.668	-0.005	44.683	-0.016
40.263	0.005	40.286	0.013	40.296	0.004	40.313	-0.008	44.702	-0.012	44.710	-0.007	44.737	-0.007	44.757	-0.007
40.328	0.004	40.347	0.016	40.368	0.007	40.384	0.007	44.776	-0.015	44.795	-0.011	44.817	-0.011	44.836	-0.027
40.399	0.015	40.411	0.015	40.432	0.015	40.449	0.026	44.853	-0.015	44.877	-0.019	44.899	-0.011	44.922	0.005
40.463	0.026	40.481	0.022	40.504	0.014	40.516	0.006	44.935	-0.010	44.953	-0.014	44.973	-0.010	44.993	-0.009
40.528	0.005	40.541	0.005	40.550	0.017	40.576	0.017	45.009	-0.016	45.024	-0.020	45.045	-0.027	45.062	-0.014
40.588	0.012	40.607	0.004	40.625	0.016	40.637	0.018	45.082	-0.014	45.098	-0.021	45.113	-0.021	45.128	-0.025
40.661	0.019	40.672	0.023	40.687	0.026	40.700	0.015	45.147	-0.013	45.164	-0.013	45.185	-0.017	45.204	-0.018
40.717	0.018	40.738	0.018	40.755	0.032	40.836	0.001	45.222	-0.032	45.237	-0.025	45.256	-0.022	45.274	-0.018
40.781	0.013	40.798	0.029	40.815	0.032	40.836	0.024	45.290	-0.020	45.308	-0.021	45.325	-0.013	45.343	-0.008
40.847	0.012	40.860	0.027	40.881	0.019	40.900	0.015	45.367	-0.007	45.385	-0.015	45.408	-0.010	45.429	-0.009
40.925	0.027	40.944	0.031	40.968	0.046	40.988	0.058	45.447	-0.012	45.463	-0.000	45.478	-0.004	45.494	-0.003
41.021	0.070	41.048	0.070	41.071	0.066	41.097	0.046	45.511	0.001	45.527	0.002	45.543	0.010	45.559	0.010
41.120	0.038	41.151	0.053	41.177	0.042	41.199	0.046	45.579	0.010	45.598	0.018	45.615	0.018	45.636	0.018
41.217	0.062	41.239	0.066	41.260	0.046	41.286	0.046	45.653	0.022	45.671	0.030	45.690	0.029	45.713	0.033
41.310	0.062	41.329	0.066	41.348	0.070	41.370	0.075	45.733	0.036	45.749	0.036	45.769	0.031	45.786	0.031
41.391	0.079	41.411	0.063	41.441	0.047	41.468	0.040	45.807	0.030	45.828	0.030	45.852	0.029	45.878	0.028
41.495	0.040	41.516	0.040	41.531	0.032	41.554	0.036	45.900	0.038	45.921	0.032	45.937	0.040	45.967	0.045
41.581	0.044	41.608	0.041	41.628	0.029	41.650	0.009								



45.993	0.051	46.025	0.053	46.044	0.062	46.077	0.039	51.017	0.013	51.060	0.017	51.081	0.022	51.105	0.022
46.106	0.032	46.135	0.032	46.167	0.025	46.199	0.018	51.129	0.019	51.157	0.027	51.175	0.032	51.199	0.032
46.220	0.034	46.247	0.034	46.276	0.023	46.305	0.020	51.206	0.029	51.233	0.032	51.241	0.030	51.258	0.031
46.328	0.004	46.354	-0.008	46.372	-0.004	46.399	-0.016	51.276	0.035	51.300	0.031	51.324	0.030	51.350	0.033
46.425	-0.016	46.455	-0.017	46.477	-0.014	46.494	-0.007	51.339	0.022	51.368	0.015	51.413	0.019	51.423	0.017
46.508	-0.008	46.531	-0.013	46.551	-0.023	46.566	-0.042	51.450	0.021	51.470	0.008	51.492	0.016	51.508	0.015
46.586	-0.039	46.604	-0.035	46.622	-0.036	46.643	-0.047	51.531	0.015	51.549	0.011	51.567	0.007	51.585	0.007
46.664	-0.043	46.685	-0.039	46.705	-0.043	46.726	-0.046	51.602	0.007	51.622	-0.001	51.639	-0.001	51.655	0.003
46.743	-0.042	46.767	-0.042	46.785	-0.049	46.805	-0.049	51.666	0.010	51.680	-0.010	51.690	-0.005	51.700	-0.009
46.823	-0.052	46.851	-0.044	46.884	-0.036	46.913	-0.036	51.709	-0.009	51.717	-0.009	51.726	-0.001	51.735	-0.001
46.938	-0.032	46.964	-0.020	46.972	-0.037	46.998	-0.034	51.746	-0.001	51.754	-0.001	51.761	-0.005	51.770	-0.004
47.028	-0.035	47.047	-0.027	47.070	-0.028	47.093	-0.021	51.780	-0.003	51.791	-0.007	51.800	-0.007	51.809	-0.002
47.109	-0.025	47.130	-0.025	47.147	-0.021	47.165	-0.024	51.818	-0.006	51.825	-0.005	51.833	-0.005	51.842	-0.009
47.182	-0.024	47.200	-0.024	47.217	-0.028	47.240	-0.027	51.849	-0.005	51.858	-0.009	51.868	-0.012	51.878	-0.016
47.255	-0.027	47.273	-0.019	47.295	-0.019	47.317	-0.015	51.888	-0.020	51.898	-0.020	51.909	-0.016	51.921	-0.012
47.341	-0.011	47.367	-0.012	47.393	-0.008	47.406	-0.009	51.910	-0.016	51.938	-0.012	51.947	-0.016	51.960	-0.013
47.423	-0.009	47.438	-0.005	47.449	-0.006	47.460	-0.006	51.979	-0.014	51.995	-0.018	52.009	-0.015	52.021	-0.012
47.476	-0.002	47.498	-0.002	47.512	-0.010	47.532	0.009	52.029	-0.016	52.054	-0.021	52.074	-0.022	52.088	-0.024
47.559	0.021	47.573	0.019	47.609	0.015	47.631	0.016	52.113	-0.031	52.113	-0.031	52.129	-0.036	52.145	-0.036
47.572	0.025	47.701	0.034	47.729	0.035	47.755	0.043	52.159	-0.036	52.173	-0.036	52.183	-0.036	52.194	-0.036
47.782	0.047	47.808	0.051	47.828	0.055	47.847	0.059	52.213	-0.044	52.227	-0.036	52.240	-0.036	52.254	-0.028
47.864	0.056	47.878	0.052	47.912	0.051	47.937	0.053	52.267	-0.029	52.278	-0.024	52.292	-0.028	52.305	-0.028
47.967	0.060	47.996	0.055	48.022	0.059	48.047	0.058	52.316	-0.027	52.337	-0.027	52.347	-0.031	52.367	-0.027
48.075	0.054	48.101	0.051	48.125	0.043	48.151	0.039	52.378	-0.026	52.387	-0.030	52.409	-0.026	52.426	-0.022
48.175	0.036	48.201	0.040	48.229	0.032	48.256	0.035	52.440	-0.017	52.454	-0.017	52.468	-0.013	52.483	-0.017
48.282	0.031	48.308	0.023	48.336	0.027	48.360	0.021	52.510	-0.009	52.510	-0.009	52.525	-0.013	52.536	-0.005
48.384	-0.001	48.405	-0.005	48.433	0.007	48.458	0.007	52.552	-0.000	52.565	-0.000	52.577	-0.008	52.589	-0.000
48.478	0.011	48.499	0.006	48.528	0.006	48.557	0.002	52.603	0.000	52.624	0.004	52.643	0.008	52.666	0.004
48.581	-0.014	48.607	-0.030	48.630	-0.021	48.651	-0.013	52.683	0.004	52.705	0.004	52.722	0.004	52.737	0.004
48.678	-0.012	48.699	-0.004	48.724	0.000	48.740	0.004	52.759	0.004	52.778	0.004	52.795	0.007	52.811	0.011
48.754	0.008	48.777	0.000	48.807	-0.012	48.823	-0.008	52.827	0.008	52.826	0.008	52.841	0.012	52.885	0.017
48.859	-0.020	48.891	-0.021	48.923	-0.018	48.951	-0.013	52.904	0.012	52.926	0.014	52.941	0.015	52.960	0.011
48.976	-0.005	48.994	-0.001	49.014	0.004	49.040	0.005	52.975	-0.004	52.993	0.001	53.011	-0.002	53.031	-0.001
49.057	-0.007	49.080	-0.018	49.101	-0.017	49.120	-0.021	53.048	-0.005	53.063	0.000	53.075	-0.007	53.091	-0.012
49.141	-0.016	49.156	-0.016	49.176	-0.016	49.197	-0.007	53.104	-0.010	53.125	-0.002	53.145	-0.014	53.169	-0.013
49.220	-0.006	49.240	-0.014	49.260	-0.013	49.275	-0.012	53.198	-0.013	53.207	-0.016	53.226	-0.016	53.241	-0.016
49.292	-0.012	49.309	-0.011	49.327	-0.011	49.342	-0.026	53.253	-0.008	53.264	-0.012	53.305	-0.004	53.334	-0.003
49.357	-0.019	49.375	-0.017	49.394	-0.016	49.414	-0.008	53.364	-0.007	53.394	-0.010	53.419	-0.009	53.439	-0.013
49.433	-0.008	49.451	-0.008	49.470	-0.004	49.478	-0.008	53.461	-0.008	53.482	-0.015	53.504	-0.010	53.521	-0.014
49.498	-0.020	49.510	-0.012	49.521	-0.016	49.540	-0.012	53.543	-0.009	53.560	-0.009	53.575	-0.004	53.594	0.001
49.561	-0.016	49.582	-0.020	49.602	-0.024	49.623	-0.024	53.612	-0.007	53.633	-0.006	53.656	-0.005	53.675	-0.009
49.646	-0.024	49.665	-0.024	49.693	-0.029	49.719	-0.027	53.694	-0.016	53.708	-0.011	53.728	-0.003	53.746	0.002
49.741	-0.029	49.759	-0.025	49.778	-0.026	49.800	-0.026	53.760	0.006	53.775	-0.001	53.790	-0.005	53.805	-0.005
49.823	-0.027	49.855	-0.021	49.879	-0.026	49.898	-0.022	53.817	0.003	53.831	0.003	53.845	-0.000	53.861	-0.002
49.917	-0.030	49.941	-0.023	49.967	-0.019	49.988	-0.015	53.878	-0.016	53.895	-0.016	53.914	-0.012	53.937	-0.004
50.008	-0.014	50.028	-0.010	50.044	-0.013	50.060	-0.013	53.957	-0.007	53.976	-0.011	53.994	-0.003	54.009	0.001
50.083	-0.020	50.109	-0.015	50.133	-0.010	50.164	-0.018	54.032	-0.003	54.052	-0.011	54.073	-0.007	54.097	-0.007
50.199	-0.018	50.239	-0.014	50.268	-0.014	50.292	-0.016	54.111	-0.011	54.131	-0.003	54.150	0.001	54.170	0.009
50.314	-0.021	50.339	-0.014	50.367	-0.014	50.392	-0.022	54.188	0.013	54.205	0.021	54.221	0.021	54.241	0.029
50.422	-0.008	50.452	-0.015	50.481	-0.018	50.508	-0.020	54.258	0.021	54.287	0.021	54.304	0.017	54.307	0.017
50.538	-0.011	50.564	-0.002	50.594	-0.003	50.621	-0.008	54.310	0.016	54.316	0.016	54.316	0.016	54.318	0.016
50.648	0.004	50.674	0.001	50.700	-0.003	50.720	-0.011	54.351	0.032	54.385	0.034	54.408	0.044	54.438	0.047
50.729	-0.007	50.755	-0.003	50.777	0.005	50.812	0.009	54.469	0.041	54.489	0.039	54.520	0.032	54.548	0.024
50.821	0.001	50.840	0.009	50.864	0.013	50.883	0.009	54.469	0.041	54.489	0.039	54.520	0.032	54.548	0.024
50.895	0.009	50.925	0.001	50.940	0.005	50.954	0.009	54.571	0.012	54.600	0.016	54.619	0.015	54.644	0.016
50.970	0.009	50.983	0.005	50.998	0.001	51.011	0.009	54.661	0.012	54.680	0.016	54.697	0.012	54.713	0.013
								54.729	0.013	54.741	0.009	54.758	0.009	54.777	0.002







63.829	0.004	63.854	0.004	63.878	0.003	63.899	0.003	67.636	-0.005	67.658	-0.020	67.663	-0.020	67.679	-0.019
63.918	0.003	63.936	0.011	63.951	0.019	63.968	0.007	67.694	-0.010	67.706	-0.019	67.720	-0.019	67.733	-0.077
63.993	0.003	64.018	0.002	64.039	0.010	64.065	0.007	67.744	-0.019	67.759	-0.019	67.773	-0.019	67.787	-0.016
64.091	-0.001	64.118	0.004	64.136	-0.004	64.161	-0.003	67.803	-0.020	67.817	-0.017	67.829	-0.017	67.841	-0.029
64.182	0.005	64.212	0.006	64.232	0.007	64.259	-0.000	67.855	-0.025	67.865	-0.018	67.879	-0.022	67.894	-0.022
64.281	0.000	64.303	0.009	64.333	0.010	64.358	-0.013	67.905	-0.022	67.917	-0.026	67.928	-0.030	67.942	-0.020
64.375	-0.017	64.402	-0.000	64.431	0.000	64.466	0.001	67.953	-0.034	67.963	-0.030	67.973	-0.030	67.983	-0.076
64.505	0.007	64.535	-0.006	64.569	-0.017	64.576	-0.009	67.995	-0.026	68.004	-0.026	68.015	-0.030	68.027	-0.034
64.599	0.000	64.632	0.001	64.664	0.006	64.685	0.011	68.042	-0.042	68.055	-0.037	68.070	-0.037	68.084	-0.033
64.713	0.000	64.747	-0.010	64.780	-0.017	64.814	-0.017	68.097	-0.026	68.112	-0.032	68.126	-0.028	68.141	-0.036
64.842	-0.014	64.863	-0.010	64.913	-0.011	64.941	-0.011	68.156	-0.036	68.171	-0.043	68.186	-0.043	68.202	-0.035
64.955	-0.011	64.971	-0.011	64.987	-0.013	65.055	-0.007	68.217	-0.024	68.226	-0.031	68.246	-0.031	68.251	-0.035
65.090	-0.007	65.123	-0.007	65.144	-0.007	65.179	-0.007	68.265	-0.031	68.278	-0.027	68.291	-0.027	68.304	-0.031
65.205	-0.015	65.229	-0.015	65.247	-0.023	65.260	-0.011	68.321	-0.028	68.338	-0.028	68.353	-0.028	68.368	-0.036
65.277	-0.003	65.297	-0.007	65.316	-0.011	65.333	-0.012	68.389	-0.036	68.398	-0.032	68.419	-0.028	68.431	-0.028
65.349	-0.016	65.365	-0.020	65.380	-0.020	65.447	-0.016	68.445	-0.028	68.460	-0.032	68.473	-0.028	68.498	-0.025
65.406	-0.020	65.418	-0.024	65.433	-0.020	65.514	-0.020	68.514	-0.028	68.532	-0.032	68.549	-0.032	68.570	-0.032
65.466	-0.016	65.483	-0.020	65.499	-0.024	65.514	-0.020	68.589	-0.032	68.611	-0.033	68.630	-0.033	68.647	-0.037
65.527	-0.020	65.539	-0.028	65.553	-0.024	65.567	-0.028	68.666	-0.037	68.684	-0.029	68.701	-0.037	68.719	-0.077
65.578	-0.028	65.596	-0.028	65.607	-0.024	65.621	-0.028	68.735	-0.029	68.749	-0.029	68.766	-0.029	68.780	-0.029
65.637	-0.024	65.650	-0.020	65.661	-0.024	65.670	-0.024	68.795	-0.029	68.807	-0.029	68.817	-0.025	68.832	-0.020
65.683	-0.020	65.750	-0.024	65.761	-0.016	65.726	-0.016	68.846	-0.029	68.860	-0.033	68.877	-0.033	68.894	-0.029
65.785	-0.028	65.796	-0.031	65.806	-0.031	65.817	-0.035	68.914	-0.029	68.928	-0.029	68.942	-0.029	68.958	-0.033
65.828	-0.031	65.842	-0.031	65.858	-0.027	65.870	-0.035	68.974	-0.032	68.991	-0.032	69.005	-0.036	69.023	-0.032
65.886	-0.027	65.900	-0.023	65.913	-0.019	65.926	-0.019	69.043	-0.027	69.061	-0.035	69.074	-0.031	69.088	-0.023
65.941	-0.019	65.958	-0.023	65.971	-0.019	65.983	-0.015	69.103	-0.023	69.120	-0.023	69.133	-0.023	69.155	-0.027
65.997	-0.023	66.014	-0.023	66.026	-0.023	66.039	-0.015	69.167	-0.035	69.179	-0.027	69.193	-0.019	69.204	-0.019
66.053	-0.023	66.064	-0.023	66.074	-0.015	66.087	-0.023	69.224	-0.019	69.238	-0.011	69.257	-0.015	69.273	-0.011
66.100	-0.019	66.114	-0.023	66.126	-0.015	66.140	-0.015	69.287	-0.015	69.300	-0.015	69.311	-0.019	69.324	-0.019
66.152	-0.023	66.170	-0.027	66.185	-0.024	66.198	-0.024	69.339	-0.023	69.352	-0.011	69.372	-0.015	69.397	-0.003
66.183	-0.024	66.227	-0.024	66.241	-0.028	66.255	-0.032	69.397	-0.007	69.411	-0.003	69.425	-0.003	69.443	-0.003
66.267	-0.024	66.277	-0.024	66.288	-0.025	66.300	-0.021	69.461	-0.007	69.474	-0.007	69.486	-0.003	69.504	-0.004
66.314	-0.013	66.326	-0.013	66.335	-0.009	66.344	-0.009	69.524	0.004	69.538	0.004	69.554	0.008	69.570	0.012
66.355	-0.017	66.368	-0.018	66.380	-0.026	66.396	-0.018	69.586	0.012	69.602	0.012	69.616	0.011	69.630	0.015
66.409	-0.010	66.423	-0.006	66.437	-0.014	66.450	-0.015	69.648	0.011	69.659	0.011	69.673	0.015	69.694	0.026
66.463	-0.011	66.480	-0.003	66.492	0.003	66.506	0.004	69.708	0.026	69.723	0.026	69.736	0.025	69.757	0.025
66.515	0.004	66.526	-0.000	66.543	0.003	66.559	0.003	69.778	0.025	69.793	0.025	69.812	0.029	69.830	0.032
66.575	0.002	66.591	0.002	66.604	0.002	66.618	0.001	69.850	0.032	69.865	0.032	69.881	0.032	69.898	0.039
66.633	-0.003	66.648	0.000	66.663	-0.000	66.677	0.007	69.911	0.039	69.928	0.039	69.947	0.038	69.965	0.039
66.690	0.007	66.704	0.014	66.722	0.014	66.736	0.025	69.984	0.038	69.999	0.038	70.018	0.041	70.035	0.045
66.750	0.013	66.765	0.016	66.779	0.016	66.796	0.016	70.051	0.045	70.064	0.049	70.081	0.044	70.096	0.020
66.810	0.016	66.824	0.024	66.836	0.028	66.848	0.028	70.112	0.024	70.127	0.028	70.145	0.036	70.162	0.032
66.861	0.020	66.878	0.020	66.890	0.016	66.900	0.036	70.180	0.028	70.196	0.036	70.211	0.033	70.226	0.037
66.912	0.020	66.926	0.024	66.940	0.025	66.953	0.021	70.244	0.037	70.259	0.037	70.277	0.021	70.291	0.033
66.964	0.021	66.979	0.029	66.991	0.037	67.007	0.041	70.306	0.041	70.317	0.038	70.329	0.034	70.342	0.030
67.021	0.033	67.036	0.032	67.050	0.028	67.064	0.012	70.355	0.030	70.369	0.031	70.382	0.031	70.394	0.027
67.084	0.028	67.102	0.027	67.119	0.023	67.136	0.027	70.407	0.031	70.418	0.024	70.430	0.016	70.441	0.020
67.153	0.026	67.169	0.034	67.184	0.033	67.198	0.037	70.455	0.024	70.468	0.016	70.481	0.000	70.495	-0.007
67.213	0.036	67.228	0.032	67.239	0.031	67.253	0.031	70.509	-0.007	70.523	-0.003	70.534	-0.007	70.550	-0.007
67.266	0.034	67.276	0.030	67.293	0.021	67.306	0.020	70.566	-0.007	70.580	-0.015	70.594	-0.015	70.610	-0.011
67.323	0.028	67.335	0.031	67.343	0.019	67.358	0.014	70.625	-0.007	70.638	-0.003	70.656	-0.011	70.669	-0.003
67.373	0.018	67.387	0.018	67.401	0.021	67.413	0.021	70.679	-0.011	70.693	-0.023	70.707	-0.023	70.723	-0.023
67.439	0.012	67.460	0.008	67.477	0.000	67.495	0.012	70.741	-0.027	70.754	-0.024	70.767	-0.020	70.781	-0.032
67.514	0.004	67.535	0.000	67.552	0.000	67.570	-0.007	70.795	-0.036	70.809	-0.041	70.816	-0.037	70.826	-0.033
67.585	0.001	67.598	0.002	67.613	-0.002	67.625	-0.005	70.841	-0.026	70.852	-0.022	70.869	-0.019	70.882	-0.019
								70.897	-0.027	70.915	-0.029	70.933	-0.029	70.953	-0.029



70.970	-0.034	70.988	-0.030	71.004	-0.031	71.018	-0.032	75.104	-0.007	75.126	0.001	75.147	0.017	75.170	0.009
71.038	-0.028	71.052	-0.025	71.068	-0.025	71.083	-0.029	75.207	0.001	75.269	0.005	75.325	0.005	75.365	0.018
71.097	-0.033	71.109	-0.029	71.123	-0.026	71.137	-0.026	75.394	0.014	75.425	0.003	75.455	0.003	75.504	0.003
71.154	-0.018	71.165	-0.018	71.183	-0.018	71.196	-0.016	75.550	0.004	75.582	0.004	75.623	-0.003	75.576	-0.006
71.207	-0.010	71.218	-0.018	71.231	-0.018	71.244	-0.025	75.717	-0.002	75.747	-0.002	75.784	-0.005	75.833	-0.001
71.256	-0.021	71.269	-0.021	71.283	-0.024	71.295	-0.016	75.874	0.003	75.907	0.007	75.939	0.012	75.968	0.016
71.311	-0.020	71.325	-0.016	71.337	-0.011	71.353	-0.015	75.987	0.002	76.016	0.009	76.039	0.002	76.059	0.010
71.365	-0.022	71.377	-0.014	71.389	-0.014	71.399	-0.014	76.080	0.010	76.100	0.010	76.123	0.013	76.145	0.011
71.411	-0.017	71.426	-0.017	71.440	-0.016	71.452	-0.012	76.169	0.004	76.187	0.008	76.203	0.013	76.222	0.009
71.465	-0.008	71.478	-0.004	71.491	-0.012	71.509	-0.013	76.241	0.002	76.265	-0.010	76.286	-0.005	76.307	-0.001
71.528	-0.017	71.541	-0.014	71.555	-0.010	71.568	-0.006	76.326	0.008	76.348	-0.004	76.366	-0.001	76.384	-0.007
71.579	-0.007	71.593	-0.003	71.607	-0.007	71.621	-0.008	76.402	0.002	76.421	-0.006	76.440	-0.002	76.457	-0.006
71.632	-0.005	71.648	-0.009	71.658	-0.007	71.669	-0.006	76.484	-0.006	76.509	-0.006	76.535	-0.006	76.563	-0.007
71.681	-0.007	71.692	0.000	71.707	-0.004	71.723	-0.013	76.585	-0.003	76.596	0.008	76.612	-0.008	76.628	-0.009
71.736	-0.009	71.749	-0.005	71.756	-0.001	71.766	-0.013	76.646	-0.006	76.663	-0.003	76.681	-0.008	76.695	-0.010
71.778	-0.014	71.791	-0.010	71.806	-0.018	71.818	-0.014	76.711	-0.015	76.730	-0.016	76.743	-0.029	76.767	-0.025
71.835	-0.018	71.851	-0.014	71.869	-0.014	71.886	-0.014	76.777	-0.025	76.793	-0.018	76.810	-0.010	76.831	-0.017
71.904	-0.013	71.920	-0.013	71.937	-0.005	71.949	-0.001	76.847	-0.016	76.864	-0.015	76.878	-0.007	76.896	-0.006
71.965	-0.000	71.980	-0.004	72.010	0.000	72.029	0.001	76.911	-0.009	76.928	-0.008	76.946	-0.004	76.962	0.005
72.048	-0.003	72.068	-0.003	72.083	-0.003	72.104	0.000	76.980	0.005	76.999	0.002	77.014	0.006	77.029	-0.005
72.124	0.000	72.149	-0.004	72.169	-0.005	72.189	-0.005	77.046	-0.002	77.062	-0.001	77.077	-0.001	77.093	-0.005
72.214	-0.002	72.239	0.001	72.266	-0.004	72.290	-0.004	77.110	-0.005	77.130	-0.005	77.146	-0.001	77.163	-0.001
72.308	-0.005	72.324	-0.001	72.343	-0.005	72.362	-0.010	77.180	0.003	77.197	-0.012	77.217	-0.008	77.241	-0.008
72.383	-0.002	72.404	0.002	72.431	0.001	72.451	0.005	77.264	-0.008	77.286	-0.008	77.309	-0.012	77.326	-0.009
72.469	0.002	72.488	-0.006	72.507	-0.002	72.532	0.006	77.346	0.001	77.365	-0.013	77.387	-0.019	77.408	-0.021
72.539	0.014	72.551	0.018	72.565	0.010	72.576	0.006	77.428	-0.022	77.442	-0.015	77.461	-0.015	77.478	-0.015
72.595	0.006	72.618	0.014	72.629	0.014	72.647	0.006	77.499	-0.012	77.521	-0.012	77.542	-0.019	77.567	-0.018
72.664	0.010	72.685	0.010	72.703	0.014	72.719	0.014	77.600	-0.014	77.627	-0.018	77.657	-0.018	77.686	-0.018
72.737	0.013	72.751	0.010	72.770	0.014	72.785	0.009	77.707	-0.018	77.739	-0.014	77.750	-0.009	77.768	-0.004
72.797	0.014	72.819	0.017	72.840	0.020	72.863	0.020	77.783	-0.004	77.801	0.001	77.820	0.002	77.834	0.010
72.883	0.020	72.903	0.024	72.920	0.020	72.935	0.012	77.851	0.006	77.866	0.014	77.880	0.006	77.897	0.006
72.947	0.019	72.964	0.019	72.984	0.015	73.006	0.007	77.913	0.002	77.928	0.006	77.944	0.010	77.959	0.011
73.020	0.007	73.040	0.007	73.064	0.004	73.083	0.004	77.976	0.015	77.992	0.011	78.005	0.015	78.023	0.015
73.098	0.012	73.117	0.012	73.131	0.012	73.147	0.004	78.041	0.019	78.058	0.018	78.076	0.025	78.092	0.020
73.164	0.008	73.188	0.013	73.208	0.005	73.228	0.009	78.109	0.020	78.126	0.020	78.144	0.019	78.159	0.023
73.253	-0.003	73.275	0.006	73.296	0.010	73.307	0.006	78.174	0.020	78.188	0.028	78.206	0.021	78.221	0.021
73.330	-0.002	73.353	-0.006	73.378	0.002	73.402	-0.002	78.240	0.014	78.257	0.022	78.276	0.031	78.291	0.028
73.431	-0.002	73.459	-0.002	73.487	-0.018	73.515	-0.011	78.308	0.024	78.328	0.028	78.345	0.028	78.364	0.028
73.534	-0.015	73.550	-0.024	73.578	-0.020	73.602	-0.017	78.384	0.020	78.407	0.019	78.427	0.019	78.446	0.014
73.621	-0.013	73.647	-0.014	73.671	-0.019	73.691	-0.015	78.461	0.018	78.476	0.018	78.488	0.018	78.504	0.026
73.710	-0.020	73.732	-0.015	73.753	-0.022	73.769	-0.029	78.525	0.030	78.542	0.019	78.559	0.003	78.578	0.011
73.789	-0.027	73.807	-0.025	73.827	-0.019	73.848	-0.013	78.602	0.012	78.625	0.012	78.647	0.013	78.661	0.021
73.869	-0.011	73.891	-0.007	73.908	-0.006	73.922	-0.002	78.676	0.013	78.692	0.013	78.718	0.013	78.737	0.005
73.942	-0.017	73.956	-0.017	73.979	-0.013	74.011	-0.019	78.752	0.005	78.774	-0.003	78.791	-0.004	78.811	-0.001
74.038	-0.024	74.056	-0.013	74.070	-0.005	74.084	-0.001	78.828	0.002	78.844	0.009	78.860	0.004	78.879	-0.010
74.096	0.003	74.107	0.004	74.124	-0.014	74.142	-0.001	78.897	-0.004	78.912	0.003	78.929	-0.005	78.950	-0.010
74.156	-0.008	74.171	-0.026	74.191	-0.021	74.217	-0.019	78.967	-0.013	78.987	-0.012	79.010	-0.012	79.031	0.008
74.239	-0.010	74.268	-0.015	74.282	-0.011	74.301	-0.016	79.049	-0.012	79.066	-0.016	79.084	-0.013	79.102	-0.009
74.335	-0.011	74.354	-0.015	74.371	-0.031	74.388	-0.019	79.120	-0.010	79.137	-0.021	79.158	-0.022	79.182	-0.018
74.409	-0.011	74.433	-0.003	74.456	0.010	74.486	0.011	79.203	-0.013	79.226	-0.021	79.250	-0.020	79.270	-0.020
74.503	0.012	74.524	0.009	74.545	0.001	74.568	0.001	79.298	-0.015	79.318	-0.011	79.336	-0.011	79.354	-0.015
74.587	-0.006	74.611	0.002	74.635	0.006	74.655	0.010	79.370	-0.011	79.391	-0.018	79.412	-0.024	79.431	-0.021
74.678	0.002	74.695	0.006	74.708	0.010	74.722	0.010	79.455	-0.024	79.480	-0.022	79.500	-0.025	79.518	-0.017
74.738	0.002	74.754	-0.002	74.779	-0.002	74.798	0.003	79.532	-0.013	79.549	-0.016	79.567	-0.020	79.595	-0.019
74.825	0.007	74.851	0.003	74.875	0.003	74.933	0.004	79.631	-0.019	79.661	-0.019	79.688	-0.019	79.715	-0.023
74.980	0.004	75.013	0.004	75.046	0.008	75.076	0.004	79.734	-0.012	79.761	-0.020	79.791	-0.017	79.817	-0.013



79.839	-0.010	79.860	-0.002	79.883	-0.007	79.906	-0.019
79.928	-0.024	79.949	-0.020	79.972	-0.016	79.994	-0.020
80.013	-0.021	80.031	-0.013	80.048	-0.013	80.067	-0.009
80.089	-0.017	80.120	-0.009	80.141	-0.009	80.163	-0.013
80.186	-0.009	80.209	-0.009	80.235	-0.008	80.267	-0.008
80.299	-0.015	80.331	-0.015	80.370	-0.014	80.400	-0.014
80.440	-0.009	80.472	-0.013	80.506	-0.009	80.540	-0.006
80.567	-0.006	80.599	-0.015	80.639	-0.012	80.682	-0.001
80.721	0.006	80.754	0.005	80.800	0.000	80.855	0.003
80.895	0.002	80.945	0.000	80.993	-0.001	81.029	0.006
81.073	0.009	81.126	0.003	81.188	0.002	81.229	0.002
81.273	0.002	81.312	0.006	81.344	0.010	81.382	0.010
81.430	0.007	81.475	0.011	81.531	0.012	81.583	0.012
81.626	0.012	81.666	0.012	81.710	0.009	81.753	0.005
81.794	0.001	81.835	0.005	81.868	0.005	81.914	-0.002
81.971	0.002	82.033	-0.002	82.083	-0.010	82.122	-0.010
82.155	-0.009	82.194	-0.013	82.220	-0.021	82.248	-0.017
82.282	-0.017	82.309	-0.017	82.336	-0.021	82.361	-0.017
82.389	-0.029	82.412	-0.025	82.434	-0.025	82.456	-0.025
82.482	-0.025	82.505	-0.025	82.528	-0.028	82.550	-0.025
82.576	-0.028	82.598	-0.025	82.619	-0.025	82.638	-0.025
82.660	-0.028	82.679	-0.028	82.702	-0.028	82.719	-0.025
82.741	-0.025	82.766	-0.028	82.790	-0.024	82.813	-0.020
82.837	-0.024	82.864	-0.016	82.883	-0.024	82.903	-0.024
82.923	-0.020	82.940	-0.020	82.960	-0.016	82.979	-0.016
82.998	-0.016	83.022	-0.016	83.038	-0.023	83.059	-0.023
83.078	-0.023	83.097	-0.023	83.118	-0.023	83.138	-0.015
83.158	-0.015	83.179	-0.015	83.197	-0.015	83.219	-0.019
83.238	-0.019	83.256	-0.019	83.271	-0.019	83.291	-0.034
83.305	-0.023	83.325	-0.019	83.344	-0.015	83.364	-0.015
83.385	-0.019	83.396	-0.023	83.415	-0.015	83.437	-0.015
83.466	-0.023	83.493	-0.023	83.524	-0.023	83.547	-0.030
83.570	-0.027	83.594	-0.027	83.618	-0.011	83.639	-0.019
83.658	-0.023	83.682	-0.034	83.703	-0.030	83.719	-0.019
83.737	-0.019	83.757	-0.027	83.774	-0.027	83.796	-0.027
83.813	-0.023	83.842	-0.023	83.865	-0.019	83.888	-0.030
83.904	-0.027	83.925	-0.019	83.958	-0.027	84.106	-0.027
84.021	-0.027	84.049	-0.027	84.076	-0.030	84.191	-0.023
84.125	-0.023	84.147	-0.023	84.169	-0.019	84.267	-0.030
84.212	-0.030	84.233	-0.030	84.251	-0.030	84.338	-0.030
84.284	-0.030	84.301	-0.027	84.318	-0.030	84.415	-0.034
84.357	-0.027	84.375	-0.030	84.395	-0.027	84.491	-0.030
84.441	-0.030	84.461	-0.030	84.476	-0.042	84.662	-0.031
84.512	-0.031	84.527	-0.023	84.631	-0.027	84.783	-0.015
84.585	-0.031	84.605	-0.023	84.631	-0.027	84.902	-0.008
84.679	-0.035	84.713	-0.019	84.740	-0.011	85.010	0.008
84.805	-0.007	84.836	-0.011	84.872	-0.015	85.114	0.015
84.935	0.000	84.961	0.004	84.980	0.004	85.210	0.018
85.033	0.004	85.064	0.003	85.092	-0.001	85.333	0.006
85.144	0.015	85.170	0.003	85.189	-0.005	85.498	0.009
85.238	0.010	85.262	0.002	85.295	-0.002	85.625	-0.003
85.383	0.002	85.414	0.006	85.469	0.001	85.905	-0.011
85.518	0.013	85.561	0.001	85.597	0.005	86.289	-0.019
85.689	0.001	85.747	-0.007	85.813	-0.003		
85.970	-0.015	86.041	-0.015	86.139	-0.019		



33901 POINTS 85.266 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 0.1500 G/10.

[illegible]



4.078	0.102	4.096	0.110	4.109	0.137	4.127	0.157	7.248	-0.030	7.263	-0.037	7.278	-0.021	7.296	0.039
4.146	0.125	4.162	0.065	4.174	0.020	4.195	-0.028	7.304	0.079	7.312	0.123	7.326	0.135	7.340	0.095
4.212	-0.064	4.233	-0.077	4.252	-0.053	4.267	-0.017	7.353	0.011	7.365	-0.145	7.378	-0.265	7.394	-0.441
4.278	-0.064	4.298	-0.038	4.315	-0.078	4.331	-0.099	7.410	-0.525	7.425	-0.561	7.440	-0.549	7.464	-0.485
4.345	-0.127	4.360	-0.160	4.375	-0.116	4.389	-0.065	7.479	-0.397	7.495	-0.269	7.505	-0.160	7.519	-0.065
4.399	-0.021	4.416	-0.009	4.432	0.034	4.443	0.094	7.533	0.134	7.543	0.079	7.554	0.071	7.572	-0.002
4.456	0.129	4.470	0.133	4.487	0.084	4.498	0.040	7.584	-0.040	7.599	-0.263	7.611	-0.335	7.621	-0.372
4.511	0.007	4.531	0.011	4.546	0.038	4.561	0.034	7.632	-0.380	7.650	-0.344	7.658	-0.280	7.671	-0.173
4.576	0.033	4.590	0.069	4.600	0.108	4.612	0.112	7.683	-0.061	7.696	0.043	7.705	0.114	7.721	0.194
4.625	0.083	4.639	0.055	4.653	0.090	4.660	0.158	7.731	0.254	7.740	0.282	7.751	0.293	7.760	0.281
4.669	0.214	4.681	0.233	4.708	0.192	4.713	0.176	7.782	0.221	7.789	0.164	7.804	0.116	7.824	0.063
4.727	0.144	4.746	0.063	4.760	-0.018	4.777	-0.074	7.842	0.035	7.853	0.022	7.877	0.058	7.890	0.109
4.792	-0.103	4.809	-0.135	4.825	-0.176	4.840	-0.196	7.908	0.153	7.925	0.152	7.948	0.136	7.954	0.136
4.860	-0.141	4.870	-0.073	4.882	-0.009	4.894	-0.043	7.979	0.151	8.006	0.154	8.024	0.182	8.038	0.206
4.906	0.070	4.918	0.070	4.934	0.050	4.948	0.063	8.035	0.182	8.073	0.162	8.100	0.154	8.118	0.158
4.965	-0.087	4.984	-0.096	5.001	-0.056	5.017	-0.028	8.134	0.145	8.154	0.077	8.173	-0.011	8.205	-0.079
5.034	0.040	5.046	0.111	5.059	0.163	5.065	0.219	8.215	-0.135	8.234	-0.227	8.253	-0.295	8.273	-0.355
5.078	0.243	5.094	0.271	5.112	0.279	5.132	0.287	8.290	-0.395	8.305	-0.411	8.325	-0.391	8.348	-0.371
5.138	0.270	5.155	0.242	5.170	0.254	5.184	0.310	8.365	-0.411	8.386	-0.479	8.403	-0.527	8.413	-0.595
5.195	0.374	5.207	0.406	5.217	0.430	5.233	0.385	8.428	-0.646	8.440	-0.650	8.449	-0.714	8.461	-0.742
5.247	0.333	5.258	0.293	5.280	0.229	5.287	0.213	8.469	-0.754	8.482	-0.718	8.496	-0.670	8.511	-0.570
5.304	0.164	5.323	0.148	5.333	0.132	5.345	0.100	8.527	-0.426	8.543	-0.278	8.558	-0.162	8.569	-0.042
5.355	0.028	5.368	-0.041	5.381	-0.125	5.395	-0.189	8.582	0.030	8.597	0.070	8.607	0.086	8.626	0.066
5.407	-0.221	5.421	-0.221	5.434	-0.185	5.446	-0.158	8.642	0.062	8.658	0.114	8.674	0.202	8.687	0.286
5.455	-0.130	5.464	-0.110	5.474	-0.106	5.486	-0.110	8.698	0.350	8.711	0.442	8.725	0.482	8.749	0.478
5.497	-0.138	5.505	-0.182	5.517	-0.231	5.529	-0.283	8.766	0.450	8.779	0.438	8.802	0.461	8.814	0.485
5.540	-0.327	5.552	-0.371	5.562	-0.407	5.575	-0.428	8.824	0.497	8.837	0.513	8.860	0.484	8.891	0.407
5.594	-0.400	5.607	-0.336	5.617	-0.272	5.626	-0.212	8.906	0.287	8.925	0.115	8.943	0.050	8.963	-0.022
5.639	-0.128	5.648	-0.045	5.664	0.035	5.676	0.087	8.981	-0.051	9.001	-0.039	9.016	0.013	9.029	0.032
5.688	0.127	5.704	0.139	5.718	0.126	5.732	0.066	9.041	-0.008	9.053	-0.056	9.065	-0.185	9.075	-0.265
5.750	-0.030	5.760	-0.110	5.772	-0.178	5.783	-0.227	9.087	-0.337	9.112	-0.462	9.123	-0.418	9.140	-0.427
5.793	-0.239	5.808	-0.211	5.821	-0.119	5.833	-0.015	9.160	-0.439	9.178	-0.452	9.188	-0.476	9.208	-0.429
5.847	0.093	5.856	0.161	5.868	0.225	5.883	0.265	9.226	-0.353	9.242	-0.254	9.258	-0.206	9.273	-0.126
5.889	0.273	5.903	0.237	5.914	0.157	5.924	0.065	9.288	-0.107	9.304	-0.115	9.319	-0.111	9.332	-0.095
5.939	0.021	5.956	0.021	5.969	0.037	5.979	0.045	9.357	0.004	9.373	0.140	9.391	0.252	9.409	0.356
5.991	0.053	6.002	0.037	6.016	0.049	6.035	0.061	9.427	0.415	9.454	0.359	9.472	0.355	9.488	0.338
6.060	0.077	6.072	0.085	6.087	0.093	6.104	0.101	9.514	0.358	9.545	0.366	9.579	0.338	9.600	0.315
6.126	0.061	6.144	0.017	6.160	-0.003	6.170	-0.007	9.582	0.295	9.641	0.259	9.657	0.163	9.683	0.015
6.188	0.038	6.203	0.094	6.216	0.138	6.233	0.166	9.670	-0.117	9.726	-0.285	9.744	-0.401	9.761	-0.465
6.243	0.182	6.258	0.158	6.275	0.109	6.294	0.053	9.779	-0.513	9.808	-0.496	9.821	-0.480	9.844	-0.504
6.314	0.021	6.327	0.021	6.341	0.041	6.356	0.108	9.825	-0.564	9.886	-0.624	9.895	-0.672	9.906	-0.692
6.369	0.180	6.384	0.224	6.394	0.240	6.408	0.236	9.925	-0.627	9.942	-0.559	9.960	-0.575	9.968	-0.567
6.418	0.248	6.436	0.248	6.452	0.219	6.472	0.139	10.000	-0.475	10.006	-0.351	10.019	-0.207	10.034	-0.115
6.491	0.059	6.503	-0.017	6.519	-0.078	6.535	-0.142	10.046	0.013	10.056	0.113	10.070	0.181	10.083	0.213
6.550	-0.194	6.563	-0.227	6.583	-0.239	6.600	-0.200	10.098	0.241	10.113	0.285	10.128	0.341	10.142	0.397
6.615	-0.164	6.627	-0.172	6.645	-0.189	6.661	-0.209	10.156	0.445	10.172	0.477	10.190	0.493	10.202	0.508
6.676	-0.249	6.692	-0.294	6.701	-0.350	6.713	-0.410	10.222	0.536	10.233	0.580	10.244	0.624	10.255	0.696
6.726	-0.459	6.742	-0.467	6.763	-0.480	6.785	-0.460	10.266	0.816	10.285	0.560	10.300	0.992	10.315	0.971
6.801	-0.424	6.815	-0.404	6.830	-0.369	6.844	-0.341	10.329	0.919	10.346	0.839	10.357	0.746	10.368	0.590
6.850	-0.257	6.865	-0.213	6.878	-0.125	6.892	0.007	10.381	0.442	10.356	0.349	10.413	0.285	10.436	0.229
6.904	0.091	6.915	0.130	6.929	0.154	6.939	0.162	10.450	0.184	10.472	0.120	10.489	0.075	10.503	0.027
6.960	0.146	6.976	0.097	6.989	0.125	7.005	0.189	10.521	-0.061	10.532	-0.144	10.545	-0.220	10.556	-0.292
7.020	0.233	7.030	0.289	7.044	0.305	7.053	0.353	10.571	-0.368	10.583	-0.408	10.594	-0.468	10.607	-0.544
7.060	0.409	7.072	0.481	7.082	0.530	7.090	0.542	10.627	-0.615	10.641	-0.631	10.641	-0.626	10.648	-0.617
7.102	0.550	7.126	0.514	7.145	0.398	7.162	0.302	10.655	-0.608	10.677	-0.537	10.690	-0.502	10.704	-0.455
7.177	0.178	7.190	0.126	7.209	0.050	7.224	0.010	10.718	-0.399	10.729	-0.360	10.750	-0.341	10.765	-0.286



10.781	0.207	10.796	-0.123	10.807	-0.056	10.819	0.028	14.767	0.136	14.781	0.174	14.795	0.222	14.819	0.257
10.831	0.123	10.844	0.219	10.856	0.274	10.871	0.326	14.835	0.274	14.853	0.304	14.876	0.328	14.892	0.356
10.883	0.349	10.896	0.373	10.909	0.392	10.920	0.416	14.910	0.399	14.928	0.411	14.948	0.410	14.963	0.426
10.931	0.435	10.940	0.467	10.950	0.490	10.961	0.516	14.982	0.482	15.003	0.501	15.019	0.505	15.042	0.484
10.968	0.550	10.979	0.573	10.988	0.617	11.000	0.661	15.062	0.448	15.081	0.460	15.095	0.455	15.116	0.439
11.010	0.688	11.021	0.708	11.035	0.687	11.049	0.618	15.134	0.294	15.154	0.230	15.172	0.158	15.185	0.185
11.064	0.538	11.078	0.473	11.093	0.425	11.108	0.368	15.216	0.145	15.237	0.065	15.255	-0.004	15.273	-0.072
11.121	0.316	11.136	0.273	11.153	0.231	11.168	0.210	15.291	-0.140	15.310	-0.193	15.335	-0.201	15.360	-0.221
11.179	0.158	11.194	0.097	11.208	0.013	11.221	-0.072	15.378	-0.221	15.402	-0.235	15.441	-0.233	15.471	-0.233
11.234	-0.156	11.243	-0.213	11.259	-0.293	11.272	-0.350	15.461	-0.221	15.482	-0.221	15.506	-0.257	15.527	-0.269
11.287	-0.382	11.302	-0.399	11.320	-0.467	11.332	-0.460	15.543	-0.269	15.561	-0.261	15.644	-0.173	15.595	-0.113
11.350	-0.377	11.362	-0.381	11.374	-0.386	11.389	-0.376	15.611	-0.057	15.627	-0.005	15.644	-0.019	15.663	0.039
11.404	-0.363	11.422	-0.364	11.436	-0.428	11.449	-0.445	15.682	0.087	15.656	0.123	15.711	0.155	15.732	0.175
11.467	-0.438	11.478	-0.410	11.488	-0.378	11.498	-0.339	15.752	0.227	15.770	0.215	15.790	0.219	15.808	0.371
11.505	-0.275	11.520	-0.192	11.532	-0.056	11.545	-0.025	15.824	0.424	15.841	0.448	15.862	0.452	15.886	0.432
11.557	0.015	11.574	0.066	11.600	0.118	11.621	0.165	15.908	0.416	15.932	0.404	15.950	0.428	15.966	0.404
11.644	0.221	11.663	0.316	11.677	0.356	11.692	0.500	15.955	0.364	16.019	0.316	16.043	0.284	16.064	0.220
11.705	0.580	11.724	0.643	11.745	0.643	11.768	0.618	16.082	0.147	16.108	0.074	16.127	-0.049	16.147	-0.105
11.784	0.558	11.795	0.590	11.816	0.566	11.830	0.570	16.177	-0.225	16.201	-0.281	16.220	-0.305	16.246	-0.306
11.843	0.571	11.859	0.563	11.877	0.515	11.891	0.471	16.271	-0.306	16.254	-0.258	16.309	-0.250	16.328	-0.202
11.909	0.427	11.923	0.387	11.938	0.343	11.952	0.283	16.349	-0.154	16.365	-0.110	16.385	-0.058	16.411	-0.010
11.967	0.187	11.980	0.099	11.996	-0.010	12.009	-0.082	16.432	0.034	16.450	0.074	16.464	0.110	16.479	0.142
12.025	-0.142	12.042	-0.194	12.060	-0.246	12.080	-0.286	16.455	0.178	16.505	0.210	16.525	0.270	16.547	0.326
12.106	-0.314	12.131	-0.343	12.155	-0.391	12.179	-0.408	16.563	0.378	16.581	0.340	16.605	0.342	16.631	0.334
12.201	-0.469	12.228	-0.405	12.249	-0.390	12.267	-0.382	16.651	0.418	16.669	0.350	16.692	0.350	16.711	0.318
12.283	-0.362	12.295	-0.335	12.316	-0.287	12.333	-0.239	16.731	0.278	16.759	0.158	16.782	0.142	16.806	0.122
12.349	-0.176	12.364	-0.116	12.379	-0.072	12.397	-0.057	16.828	0.090	16.851	0.054	16.870	0.018	16.884	-0.058
12.415	-0.029	12.433	0.007	12.461	0.050	12.488	0.078	16.895	-0.114	16.915	-0.201	16.935	-0.256	16.953	-0.286
12.508	0.058	12.533	0.105	12.557	0.129	12.583	0.168	16.971	-0.303	16.992	-0.255	17.014	-0.291	17.035	-0.295
12.608	0.164	12.628	0.183	12.647	0.163	12.670	0.179	17.056	-0.294	17.107	-0.302	17.101	-0.326	17.122	-0.366
12.688	0.066	12.705	-0.082	12.723	-0.146	12.742	-0.210	17.143	-0.360	17.163	-0.370	17.185	-0.370	17.207	-0.338
12.766	-0.243	12.784	-0.267	12.805	-0.279	12.828	-0.267	17.226	-0.270	17.247	-0.154	17.265	-0.141	17.288	-0.085
12.847	-0.443	12.863	-0.476	12.891	-0.515	12.911	-0.384	17.309	-0.037	17.329	-0.017	17.350	-0.004	17.369	0.024
12.931	-0.240	12.953	-0.476	12.978	-0.460	12.999	-0.428	17.390	0.076	17.407	0.136	17.425	0.189	17.446	0.221
13.023	-0.392	13.043	-0.312	13.059	-0.216	13.073	-0.136	17.466	0.253	17.483	0.242	17.503	0.282	17.524	0.286
13.090	-0.069	13.108	-0.021	13.123	-0.001	13.139	-0.021	17.539	0.274	17.557	0.207	17.577	0.207	17.592	0.147
13.160	-0.053	13.174	-0.053	13.192	-0.033	13.210	-0.009	17.610	0.099	17.634	0.021	17.653	-0.025	17.677	-0.064
13.228	0.031	13.241	0.055	13.257	0.227	13.269	0.331	17.710	-0.116	17.731	-0.144	17.749	-0.184	17.771	-0.244
13.283	0.435	13.295	0.523	13.309	0.591	13.324	0.603	17.788	-0.256	17.811	-0.328	17.838	-0.312	17.855	-0.284
13.345	0.578	13.363	0.546	13.383	0.490	13.401	0.430	17.861	-0.280	17.894	-0.292	17.927	-0.292	17.945	-0.300
13.420	0.362	13.434	0.294	13.471	0.242	13.472	0.186	17.973	-0.300	17.994	-0.296	18.015	-0.244	18.036	-0.244
13.491	0.153	13.518	0.153	13.539	0.137	13.564	0.057	18.056	-0.176	18.074	-0.124	18.093	-0.068	18.111	-0.008
13.596	-0.043	13.619	-0.135	13.637	-0.235	13.663	-0.344	18.128	-0.032	18.149	0.064	18.167	0.115	18.186	0.135
13.679	-0.400	13.698	-0.436	13.717	-0.440	13.740	-0.456	18.209	0.130	18.242	0.066	18.269	-0.002	18.288	-0.058
13.743	-0.509	13.784	-0.521	13.805	-0.513	13.828	-0.485	18.311	0.130	18.342	0.066	18.369	-0.002	18.388	-0.058
13.842	-0.421	13.864	-0.338	13.881	-0.266	13.896	-0.206	18.448	-0.131	18.427	-0.211	18.446	-0.115	18.472	-0.335
13.909	-0.138	13.921	-0.078	13.937	-0.034	13.960	-0.002	18.500	-0.384	18.525	-0.440	18.550	-0.484	18.575	-0.508
13.990	0.025	14.014	0.055	14.039	0.168	14.060	0.252	18.600	-0.504	18.625	-0.461	18.653	-0.449	18.670	-0.397
14.078	0.316	14.104	0.371	14.119	0.411	14.145	0.443	18.686	-0.345	18.709	-0.269	18.724	-0.217	18.745	-0.157
14.168	0.382	14.192	0.502	14.209	0.242	14.226	0.181	18.766	-0.057	18.788	-0.045	18.808	0.019	18.825	0.071
14.249	0.109	14.268	0.032	14.286	-0.032	14.312	-0.101	18.840	0.102	18.858	0.130	18.876	0.146	18.897	0.166
14.337	-0.065	14.358	-0.042	14.378	-0.026	14.401	-0.058	18.916	0.178	18.937	0.166	18.958	0.126	18.979	0.078
14.423	-0.135	14.444	-0.231	14.466	-0.290	14.496	-0.305	18.997	0.050	19.015	0.016	19.036	0.014	19.063	0.014
14.516	-0.309	14.542	-0.314	14.570	-0.286	14.592	-0.263	19.086	-0.010	19.107	-0.026	19.132	-0.042	19.152	-0.069
14.611	-0.207	14.636	-0.127	14.658	-0.086	14.680	-0.064	19.173	-0.109	19.193	-0.141	19.219	-0.181	19.240	-0.169
14.666	-0.005	14.715	-0.049	14.734	0.003	14.752	0.070	19.262	-0.133	19.281	-0.053	19.301	-0.005	19.325	-0.052



19.347	-0.056	19.371	-0.076	19.393	-0.088	19.418	-0.103	24.096	0.010	24.112	-0.034	24.133	-0.070	24.159	-0.086
19.444	-0.103	19.464	-0.066	19.485	-0.038	19.511	-0.002	24.180	-0.126	24.209	-0.158	24.241	-0.202	24.267	-0.230
19.534	0.015	19.554	0.015	19.572	0.023	19.596	0.028	24.255	-0.266	24.320	-0.281	24.338	-0.261	24.363	-0.229
19.616	0.012	19.640	-0.024	19.660	-0.023	19.680	-0.023	24.381	-0.189	24.394	-0.153	24.413	-0.109	24.432	-0.040
19.655	0.010	19.722	0.050	19.738	0.046	19.761	0.019	24.442	0.020	24.462	0.060	24.482	0.056	24.504	0.096
19.785	-0.037	18.813	-0.060	19.835	-0.068	19.852	-0.060	24.567	0.112	24.538	0.145	24.558	0.165	24.564	0.193
19.873	-0.055	19.896	-0.051	19.909	-0.050	19.928	-0.042	24.654	0.357	24.607	0.285	24.634	0.305	24.642	0.386
19.952	-0.038	19.975	-0.017	19.995	0.011	20.013	0.044	24.741	0.358	24.683	0.435	24.658	0.417	24.726	0.386
20.027	0.072	20.045	0.104	20.063	0.136	20.084	0.173	24.741	0.358	24.764	0.330	24.780	0.290	24.754	0.246
20.109	0.209	20.133	0.246	20.150	0.254	20.168	0.278	24.820	0.174	24.820	0.126	24.870	0.070	24.894	0.039
20.188	0.306	20.210	0.319	20.232	0.363	20.254	0.372	24.912	0.117	24.933	-0.061	24.957	-0.112	24.977	-0.160
20.276	0.348	20.299	0.312	20.323	0.268	20.344	0.252	25.006	-0.200	25.026	-0.235	25.055	-0.274	25.072	-0.281
20.372	0.252	20.396	0.245	20.420	0.229	20.439	0.207	25.055	-0.256	25.120	-0.283	25.142	-0.266	25.161	-0.241
20.458	0.165	20.480	0.113	20.501	0.053	20.518	0.001	25.187	-0.208	25.217	-0.166	25.247	-0.101	25.268	0.031
20.541	-0.047	20.566	-0.055	20.577	-0.054	20.602	-0.038	25.294	0.018	25.311	0.054	25.326	0.058	25.346	0.155
20.623	-0.022	20.640	-0.014	20.662	-0.047	20.684	-0.059	25.361	0.175	25.394	0.171	25.413	0.184	25.424	0.204
20.706	-0.067	20.725	-0.075	20.756	-0.075	20.780	-0.027	25.443	0.220	25.467	0.245	25.484	0.257	25.517	0.265
20.756	0.013	20.818	0.061	20.836	0.101	20.856	0.125	25.539	0.245	25.562	0.209	25.592	0.145	25.611	0.113
20.876	0.133	20.899	0.157	20.930	0.173	20.954	0.165	25.637	0.065	25.661	0.014	25.656	0.006	25.705	-0.014
20.980	0.162	21.002	0.170	21.025	0.199	21.046	0.223	25.731	-0.050	25.752	-0.078	25.781	-0.090	25.802	-0.106
21.073	0.240	21.100	0.220	21.120	0.189	21.146	0.145	25.835	-0.118	25.880	-0.114	25.900	-0.118	25.923	-0.106
21.177	0.137	21.180	0.136	21.183	0.132	21.187	0.128	25.943	-0.070	25.968	-0.041	25.995	-0.009	26.042	0.003
21.191	0.124	21.194	0.120	21.210	0.133	21.235	0.137	26.066	0.043	26.091	0.088	26.131	0.112	26.143	0.128
21.251	0.134	21.264	0.118	21.281	0.107	21.304	0.067	26.164	0.133	26.192	0.141	26.221	0.149	26.235	0.153
21.328	0.048	21.357	0.049	21.375	0.057	21.390	0.070	26.264	0.158	26.291	0.174	26.315	0.162	26.355	0.151
21.408	0.078	21.421	0.094	21.440	0.106	21.456	0.106	26.367	0.143	26.415	0.118	26.433	0.057	26.469	0.037
21.474	0.090	21.485	0.062	21.508	0.046	21.528	0.046	26.491	0.026	26.514	0.014	26.541	-0.029	26.564	-0.065
21.557	0.042	21.583	0.046	21.603	0.034	21.630	0.018	26.600	-0.034	26.622	-0.064	26.649	-0.067	26.677	-0.031
21.670	-0.002	21.696	-0.022	21.723	-0.046	21.740	-0.058	26.655	-0.026	26.728	-0.006	26.747	0.015	26.773	0.041
21.782	-0.070	21.803	-0.066	21.829	-0.062	21.866	-0.030	26.802	0.063	26.833	0.067	26.862	0.079	26.892	0.091
21.903	-0.018	21.925	-0.018	21.942	0.010	21.963	0.046	26.917	0.123	26.938	0.139	26.961	0.111	26.992	0.083
21.994	0.074	22.005	0.086	22.049	0.098	22.067	0.119	27.030	0.058	27.062	0.038	27.096	0.042	27.127	0.046
22.053	0.135	22.103	0.115	22.133	0.119	22.159	0.127	27.155	0.049	27.176	0.024	27.216	0.016	27.244	0.007
22.189	0.135	22.210	0.152	22.230	0.156	22.249	0.128	27.282	0.014	27.305	0.022	27.331	0.033	27.357	0.049
22.265	0.116	22.290	0.116	22.313	0.108	22.343	0.105	27.353	0.023	27.405	0.021	27.435	0.001	27.466	0.009
22.370	0.081	22.394	0.061	22.425	0.021	22.439	-0.003	27.488	0.012	27.532	0.001	27.547	-0.019	27.571	-0.031
22.468	-0.043	22.499	-0.091	22.518	-0.107	22.541	-0.131	27.609	-0.039	27.628	-0.055	27.666	-0.063	27.690	-0.063
22.556	-0.163	22.575	-0.199	22.600	-0.259	22.624	-0.340	27.734	-0.055	27.767	-0.079	27.799	-0.095	27.841	-0.118
22.654	-0.376	22.670	-0.376	22.693	-0.384	22.726	-0.389	27.881	-0.146	27.916	-0.142	27.933	-0.142	27.959	-0.154
22.741	-0.393	22.762	-0.397	22.800	-0.405	22.828	-0.394	27.979	-0.166	28.010	-0.162	28.049	-0.186	28.085	-0.202
22.844	-0.366	22.869	-0.314	22.883	-0.270	22.905	-0.206	28.114	-0.194	28.145	-0.186	28.173	-0.174	28.214	-0.182
22.928	-0.142	22.956	-0.078	22.969	-0.038	22.988	0.002	28.249	-0.194	28.251	-0.174	28.328	-0.162	28.349	-0.146
23.005	0.018	23.022	0.054	23.043	0.082	23.126	0.098	28.382	-0.134	28.401	-0.102	28.432	-0.074	28.458	-0.062
23.078	0.122	23.090	0.154	23.104	0.178	23.126	0.218	28.506	-0.058	28.526	-0.038	28.550	-0.001	28.581	0.039
23.143	0.242	23.171	0.234	23.185	0.186	23.199	0.170	28.612	0.071	28.633	0.071	28.656	0.075	28.679	0.103
23.217	0.114	23.242	0.086	23.265	0.038	23.284	-0.014	28.698	0.112	28.725	0.104	28.746	0.100	28.780	0.112
23.308	-0.078	23.330	-0.118	23.351	-0.154	23.366	-0.166	28.819	0.053	28.827	0.141	28.852	0.101	28.881	0.093
23.382	-0.202	23.411	-0.274	23.423	-0.371	23.438	-0.431	28.898	0.077	28.928	0.050	28.954	0.006	29.005	-0.026
23.463	-0.519	23.484	-0.559	23.518	-0.591	23.541	-0.603	29.019	-0.026	29.049	-0.045	29.076	-0.065	29.105	-0.086
23.559	-0.503	23.508	-0.567	23.591	-0.547	23.606	-0.527	29.127	-0.153	29.145	-0.180	29.171	-0.204	29.200	-0.220
23.621	-0.465	23.639	-0.467	23.663	-0.415	23.680	-0.351	29.223	-0.244	29.251	-0.152	29.271	-0.179	29.306	-0.155
23.658	-0.291	23.721	-0.234	23.743	-0.140	23.765	-0.074	29.324	-0.244	29.360	-0.134	29.395	-0.130	29.426	-0.090
23.751	0.022	23.805	0.066	23.819	0.126	23.849	0.170	29.452	-0.058	29.494	0.019	29.516	0.063	29.534	0.079
23.861	0.222	23.884	0.266	23.902	0.278	23.934	0.286	29.558	0.100	29.606	0.112	29.635	0.120	29.657	0.100
23.951	0.294	23.963	0.282	23.982	0.270	24.008	0.258	29.675	0.101	29.706	0.085	29.745	0.069	29.761	0.021
24.034	0.230	24.049	0.174	24.061	0.122	24.076	0.070	29.764	0.001	29.817	-0.034	29.845	-0.054	29.851	-0.086



29.909	-0.098	29.934	-0.110	29.952	-0.093	29.981	-0.073	35.758	0.172	35.780	0.176	35.811	0.160	35.838	0.132
30.014	-0.085	30.043	-0.068	30.072	-0.016	30.096	0.032	35.865	0.112	35.897	0.101	35.933	0.081	35.957	0.068
30.132	0.073	30.161	0.073	30.180	0.089	30.211	0.154	35.980	0.052	36.004	0.028	36.024	0.008	36.041	-0.033
30.245	0.170	30.262	0.178	30.288	0.207	30.318	0.231	36.089	0.065	36.112	-0.089	36.139	-0.101	36.160	-0.113
30.349	0.236	30.395	0.197	30.400	0.165	30.424	0.133	36.181	-0.126	36.207	-0.138	36.231	-0.154	36.256	-0.178
30.467	0.054	30.493	0.070	30.522	0.023	30.554	-0.025	36.282	-0.189	36.302	-0.183	36.329	-0.163	36.359	-0.127
30.579	-0.073	30.666	-0.112	30.636	-0.120	30.685	-0.135	36.379	-0.103	36.400	-0.071	36.419	-0.064	36.450	-0.064
30.732	-0.118	30.755	-0.118	30.779	-0.098	30.811	-0.074	36.470	-0.053	36.490	-0.045	36.510	-0.025	36.528	-0.005
30.838	-0.037	30.873	-0.005	30.905	0.043	30.939	0.083	36.548	0.018	36.571	0.050	36.588	0.066	36.613	0.073
30.978	0.136	31.029	0.168	31.059	0.152	31.089	0.155	36.624	0.061	36.645	0.045	36.676	0.024	36.695	0.008
31.117	0.155	31.145	0.139	31.170	0.131	31.205	0.087	36.714	-0.000	36.740	-0.012	36.762	-0.012	36.799	-0.025
31.233	0.011	31.256	-0.025	31.289	-0.074	31.313	-0.082	36.823	-0.054	36.843	-0.081	36.873	-0.113	36.891	-0.138
31.336	-0.070	31.356	-0.070	31.387	-0.082	31.428	-0.102	36.915	-0.154	36.936	-0.170	36.957	-0.170	36.986	-0.162
31.473	-0.114	31.504	-0.110	31.525	-0.094	31.556	-0.054	37.016	-0.159	37.040	-0.147	37.065	-0.135	37.093	-0.131
31.574	-0.014	31.604	0.022	31.622	0.042	31.639	0.058	37.120	-0.127	37.147	-0.103	37.179	-0.072	37.201	-0.044
31.666	0.062	31.696	0.086	31.729	0.107	31.755	0.120	37.224	-0.016	37.248	-0.000	37.273	-0.020	37.294	0.032
31.789	0.148	31.821	0.153	31.842	0.145	31.857	0.143	37.321	0.039	37.347	0.055	37.374	0.063	37.398	0.059
31.863	0.136	31.898	0.133	31.873	0.127	31.879	0.125	37.431	0.051	37.467	0.050	37.493	0.038	37.513	0.002
31.907	0.108	31.940	0.068	31.979	0.032	32.014	0.004	37.541	-0.022	37.567	-0.038	37.588	-0.047	37.635	-0.043
32.048	-0.033	32.079	-0.077	32.113	-0.113	32.150	-0.141	37.687	-0.047	37.711	-0.064	37.740	-0.084	37.765	-0.092
32.189	-0.171	32.211	-0.180	32.255	-0.177	32.284	-0.182	37.786	-0.076	37.804	-0.065	37.830	-0.049	37.857	-0.021
32.313	-0.171	32.341	-0.152	32.368	-0.133	32.401	-0.106	37.884	0.003	37.905	0.011	37.928	0.010	37.968	0.006
32.428	-0.083	32.453	-0.068	32.483	-0.061	32.519	-0.054	37.994	0.006	38.020	0.033	38.040	0.057	38.062	0.045
32.550	-0.047	32.577	-0.032	32.609	-0.033	32.637	-0.034	38.084	0.057	38.105	0.061	38.118	0.057	38.135	0.041
32.658	-0.050	32.694	-0.059	32.733	-0.077	32.773	-0.090	38.165	0.009	38.194	-0.012	38.219	-0.024	38.244	-0.028
32.807	-0.091	32.830	-0.107	32.851	-0.124	32.876	-0.141	38.271	-0.028	38.297	-0.018	38.330	-0.053	38.349	-0.081
32.901	-0.154	32.926	-0.170	32.945	-0.171	32.970	-0.167	38.403	-0.101	38.426	-0.101	38.459	-0.089	38.493	-0.065
32.988	-0.151	33.010	-0.131	33.033	-0.119	33.045	-0.119	38.526	-0.046	38.566	-0.038	38.595	-0.030	38.636	-0.014
33.067	-0.120	33.088	-0.124	33.115	-0.112	33.155	-0.084	38.670	0.014	38.703	0.038	38.729	0.046	38.755	0.050
33.190	-0.056	33.228	-0.036	33.245	-0.028	33.268	-0.029	38.781	0.038	38.813	0.026	38.837	0.022	38.862	0.026
33.326	-0.037	33.363	-0.033	33.389	-0.029	33.416	-0.009	38.887	0.026	38.908	0.022	38.953	0.022	38.981	0.018
33.438	0.007	33.461	0.007	33.485	-0.005	33.507	-0.001	39.016	0.006	39.055	0.006	39.087	0.010	39.118	0.014
33.533	-0.045	33.551	-0.013	33.571	-0.029	33.589	-0.045	39.147	0.026	39.174	0.038	39.204	0.042	39.222	0.046
33.607	-0.059	33.624	-0.033	33.642	-0.013	33.658	0.011	39.264	0.046	39.299	0.050	39.337	0.050	39.376	0.050
33.668	0.015	33.684	0.015	33.700	0.003	33.724	-0.025	39.413	0.050	39.438	0.046	39.463	0.037	39.495	0.029
33.741	-0.037	33.762	-0.049	33.782	-0.046	33.801	-0.038	39.523	0.033	39.553	0.033	39.584	0.021	39.605	0.017
33.821	-0.026	33.841	-0.010	33.858	-0.006	33.881	-0.000	39.643	0.021	39.654	0.013	39.755	0.013	39.800	0.016
33.904	-0.018	33.934	-0.018	33.961	-0.015	33.980	-0.003	39.840	0.024	39.892	0.035	39.943	0.055	40.000	0.070
34.006	0.017	34.032	0.049	34.054	0.073	34.072	0.089	40.052	0.085	40.057	0.101	40.130	0.113	40.177	0.088
34.090	0.039	34.117	0.085	34.148	0.077	34.168	0.081	40.219	0.063	40.255	0.043	40.256	0.030	40.334	0.010
34.157	0.053	34.226	0.108	34.249	0.116	34.277	0.104	40.383	-0.015	40.430	-0.019	40.481	-0.020	40.505	-0.020
34.305	0.100	34.332	0.064	34.361	0.056	34.385	0.036	40.538	-0.008	40.571	-0.004	40.606	-0.001	40.635	0.007
34.401	0.024	34.415	0.036	34.442	0.040	34.463	0.036	40.669	0.011	40.655	0.015	40.715	0.023	40.749	0.023
34.484	0.024	34.507	0.008	34.532	-0.012	34.558	-0.037	40.782	0.027	40.811	0.023	40.837	0.007	40.874	-0.005
34.582	-0.057	34.609	-0.073	34.631	-0.081	34.652	-0.077	40.908	-0.017	40.939	-0.017	40.973	-0.017	41.004	-0.020
34.675	-0.057	34.695	-0.033	34.715	-0.017	34.737	-0.009	41.035	-0.024	41.075	-0.031	41.120	-0.019	41.169	-0.002
34.759	-0.017	34.783	-0.013	34.809	-0.001	34.834	0.015	41.194	0.002	41.225	0.014	41.260	0.007	41.318	0.003
34.860	0.039	34.891	0.079	34.911	0.102	34.931	0.134	41.377	0.008	41.466	0.005	41.524	-0.011	41.622	-0.010
34.957	0.150	34.979	0.196	34.958	0.173	35.026	0.177	41.648	-0.026	41.656	-0.046	41.735	-0.066	41.779	-0.070
35.044	0.180	35.065	0.165	35.090	0.208	35.110	0.216	41.838	-0.074	41.935	-0.078	42.007	-0.066	42.078	-0.054
35.132	0.215	35.157	0.155	35.185	0.158	35.211	0.126	42.150	-0.065	42.257	-0.069	42.344	-0.080	42.433	-0.096
35.231	0.114	35.261	0.109	35.282	0.105	35.309	0.085	42.514	-0.091	42.572	-0.103	42.637	-0.090	42.711	-0.081
35.336	0.061	35.369	0.036	35.397	0.032	35.421	0.016	42.732	-0.071	42.738	-0.070	42.744	-0.066	42.750	-0.062
35.456	0.008	35.476	0.019	35.500	0.031	35.524	0.047	42.756	-0.058	42.776	-0.053	42.800	-0.036	42.836	-0.022
35.552	0.055	35.582	0.063	35.610	0.083	35.632	0.103	42.865	0.003	42.894	0.011	42.931	0.010	42.955	0.010
35.653	0.103	35.688	0.115	35.711	0.128	35.734	0.156	42.984	0.010	43.021	0.006	43.087	0.006	43.128	-0.011



43.165	-0.013	43.220	-0.022	43.271	-0.024	43.334	-0.022	49.302	0.044	49.323	0.048	49.345	0.049	49.373	0.053
43.373	-0.011	43.416	0.001	43.468	0.040	43.509	0.043	49.396	0.057	49.411	0.066	49.428	0.066	49.449	0.090
43.547	0.063	43.573	0.078	43.600	0.090	43.629	0.102	49.468	0.090	49.481	0.095	49.497	0.095	49.509	0.091
43.650	0.106	43.673	0.102	43.695	0.098	43.719	0.090	49.532	0.095	49.551	0.104	49.558	0.100	49.621	0.100
43.738	0.094	43.763	0.090	43.792	0.086	43.825	0.066	49.682	0.101	49.686	0.104	49.712	0.100	49.740	0.108
43.838	0.051	43.871	0.023	43.901	0.011	43.929	-0.005	49.766	0.066	49.785	0.050	49.811	0.048	49.840	0.043
43.931	-0.013	43.979	-0.013	44.004	-0.030	44.029	-0.006	49.861	0.035	49.893	0.031	49.922	0.028	49.960	0.020
44.054	0.006	44.082	0.010	44.110	0.030	44.145	0.066	49.939	0.024	50.023	0.029	50.071	0.017	50.167	0.013
44.170	0.090	44.195	0.110	44.220	0.142	44.247	0.166	50.139	0.018	50.174	0.018	50.216	0.016	50.241	0.017
44.275	0.181	44.306	0.193	44.340	0.261	44.362	0.269	50.272	-0.005	50.306	0.013	50.330	-0.016	50.367	-0.016
44.369	0.213	44.412	0.216	44.434	0.204	44.454	0.196	50.465	-0.024	50.431	-0.020	50.458	-0.036	50.475	-0.036
44.477	0.188	44.522	0.168	44.535	0.144	44.563	0.120	50.566	-0.048	50.537	-0.048	50.550	-0.044	50.583	-0.043
44.578	0.112	44.602	0.096	44.628	0.072	44.657	0.048	50.620	-0.043	50.649	-0.043	50.656	-0.043	50.734	-0.035
44.656	0.016	44.718	0.004	44.758	-0.007	44.795	-0.019	50.714	-0.023	50.817	-0.023	50.858	-0.023	50.966	-0.018
44.839	-0.035	44.870	-0.027	44.903	-0.011	44.944	-0.003	50.927	-0.018	50.963	-0.018	50.956	-0.026	51.029	-0.022
44.975	0.017	45.013	0.025	45.041	0.029	45.068	0.028	51.066	-0.026	51.095	-0.038	51.130	-0.054	51.153	-0.050
45.103	0.028	45.123	0.024	45.156	0.016	45.198	-0.004	51.174	-0.050	51.203	-0.045	51.243	-0.037	51.279	-0.033
45.244	-0.036	45.292	-0.045	45.322	-0.109	45.365	-0.117	51.343	-0.025	51.350	-0.029	51.384	-0.033	51.408	-0.029
45.408	-0.133	45.445	-0.158	45.483	-0.179	45.523	-0.186	51.434	-0.029	51.458	-0.025	51.518	-0.028	51.542	-0.028
45.550	-0.186	45.586	-0.178	45.607	-0.166	45.637	-0.146	51.568	-0.032	51.610	-0.032	51.640	-0.032	51.685	-0.032
45.668	-0.126	45.707	-0.118	45.733	-0.110	45.750	-0.098	51.742	-0.027	51.811	-0.027	51.839	-0.022	51.859	-0.022
45.751	-0.090	45.824	-0.062	45.860	-0.046	45.890	-0.034	51.879	-0.022	51.890	-0.022	51.915	-0.022	51.954	-0.017
45.907	-0.034	45.929	-0.034	45.951	-0.034	45.980	-0.042	51.988	-0.017	52.039	-0.021	52.087	-0.016	52.140	-0.008
46.002	-0.046	46.019	-0.038	46.039	-0.050	46.061	-0.066	52.166	-0.004	52.203	-0.008	52.222	-0.012	52.233	-0.012
46.084	-0.078	46.105	-0.090	46.127	-0.102	46.146	-0.114	52.257	0.008	52.253	-0.007	52.304	-0.007	52.319	-0.007
46.170	-0.122	46.186	-0.142	46.208	-0.150	46.231	-0.142	52.341	-0.007	52.346	-0.007	52.376	-0.023	52.418	-0.059
46.264	-0.130	46.294	-0.126	46.325	-0.127	46.351	-0.119	52.448	-0.059	52.476	-0.059	52.507	-0.074	52.538	-0.086
46.375	-0.111	46.403	-0.095	46.430	-0.075	46.456	-0.043	52.556	-0.086	52.602	-0.078	52.642	-0.074	52.654	-0.054
46.484	-0.041	46.506	0.009	46.536	0.021	46.559	0.041	52.753	-0.038	52.799	-0.037	52.840	-0.029	52.876	-0.021
46.587	0.015	46.612	0.044	46.626	0.048	46.662	0.052	52.916	-0.005	52.932	-0.005	52.940	-0.005	52.949	-0.001
46.693	0.044	46.725	0.036	46.741	0.040	46.762	0.028	52.966	0.007	52.986	0.007	53.006	0.012	53.019	0.012
46.795	0.016	46.824	0.004	46.852	-0.013	46.878	-0.017	53.036	0.012	53.051	0.012	53.059	0.012	53.071	0.012
46.916	-0.029	46.941	-0.029	46.973	-0.037	46.999	-0.033	53.085	0.016	53.102	0.025	53.114	0.029	53.129	0.033
47.027	-0.046	47.051	-0.038	47.079	-0.022	47.116	-0.014	53.145	0.041	53.160	0.041	53.179	0.046	53.201	0.046
47.147	0.010	47.207	0.053	47.240	0.077	47.281	0.101	53.223	0.046	53.240	0.039	53.257	0.035	53.270	0.031
47.295	0.121	47.305	0.125	47.332	0.145	47.351	0.133	53.289	0.027	53.304	0.040	53.322	0.044	53.336	0.052
47.372	0.153	47.410	0.149	47.432	0.145	47.461	0.133	53.357	0.052	53.374	0.053	53.390	0.049	53.411	0.045
47.478	0.121	47.513	0.097	47.552	0.077	47.584	0.061	53.431	0.042	53.450	0.030	53.467	0.030	53.494	0.030
47.608	0.037	47.634	0.013	47.652	0.001	47.676	-0.011	53.509	0.034	53.530	0.038	53.550	0.042	53.568	0.046
47.694	-0.019	47.718	-0.027	47.765	-0.027	47.794	-0.031	53.589	0.046	53.609	0.051	53.623	0.047	53.638	0.039
47.820	-0.035	47.845	-0.039	47.874	-0.039	47.896	-0.035	53.654	0.035	53.671	0.035	53.686	0.035	53.731	0.043
47.921	-0.035	47.947	-0.023	47.975	-0.011	47.999	-0.001	53.743	0.046	53.765	0.046	53.786	0.042	53.815	0.042
48.020	0.009	48.050	0.018	48.059	0.022	48.076	0.014	53.844	0.042	53.862	0.030	53.880	0.017	53.906	0.009
48.092	0.018	48.131	0.014	48.169	0.010	48.192	0.010	53.930	0.001	53.954	0.005	53.973	0.009	53.991	0.005
48.205	0.010	48.220	0.002	48.241	-0.018	48.262	-0.018	54.012	-0.003	54.032	-0.007	54.074	-0.023	54.074	-0.031
48.284	-0.022	48.310	-0.030	48.339	-0.041	48.364	-0.041	54.090	-0.039	54.112	-0.043	54.133	-0.051	54.152	-0.055
48.388	-0.045	48.403	-0.045	48.431	-0.049	48.456	-0.057	54.169	-0.059	54.190	-0.063	54.209	-0.063	54.233	-0.071
48.467	-0.061	48.484	-0.060	48.498	-0.060	48.512	-0.060	54.259	-0.071	54.284	-0.071	54.303	-0.071	54.335	-0.071
48.526	-0.060	48.547	-0.056	48.564	-0.039	48.591	-0.035	54.344	-0.063	54.375	-0.065	54.407	-0.047	54.424	-0.043
48.620	-0.047	48.658	-0.043	48.685	-0.039	48.711	-0.035	54.453	-0.035	54.474	-0.027	54.496	-0.011	54.525	0.004
48.738	-0.030	48.775	-0.022	48.800	-0.014	48.825	-0.002	54.545	0.016	54.561	0.027	54.586	0.032	54.606	0.036
48.857	0.007	48.884	0.015	48.911	0.027	48.935	0.031	54.628	0.044	54.750	0.044	54.778	0.036	54.705	0.040
48.958	0.027	48.981	0.036	49.000	0.040	49.016	0.036	54.724	0.044	54.750	0.044	54.778	0.036	54.705	0.040
49.035	0.041	49.052	0.041	49.092	0.049	49.108	0.049	54.824	0.023	54.846	0.011	54.868	0.011	54.897	0.035
49.132	0.046	49.141	0.042	49.185	0.042	49.185	0.043	54.919	0.007	54.948	0.007	54.975	0.007	54.957	-0.002
49.211	0.043	49.242	0.043	49.261	0.040	49.278	0.044	55.020	-0.010	55.044	-0.014	55.069	-0.014	55.089	-0.014



55.106	-0.006	55.126	-0.002	55.144	0.032	55.163	0.010	60.575	0.016	60.556	0.012	60.620	0.004	60.649	-0.004
55.191	0.010	55.217	0.010	55.241	0.006	55.258	0.010	60.674	-0.008	60.655	-0.016	60.721	-0.024	60.743	-0.024
55.279	0.010	55.294	0.015	55.312	0.019	55.335	0.019	60.764	-0.020	60.787	-0.020	60.813	-0.008	60.835	0.000
55.357	0.023	55.379	0.023	55.401	0.023	55.422	0.024	60.867	0.012	60.884	0.025	60.927	0.037	60.953	0.049
55.440	0.020	55.463	0.016	55.489	0.008	55.511	0.004	60.974	0.061	61.001	0.069	61.022	0.073	61.041	0.077
55.537	0.004	55.562	0.009	55.576	0.009	55.603	0.009	61.067	0.061	61.092	0.089	61.119	0.093	61.149	0.094
55.620	0.009	55.638	0.009	55.658	0.005	55.676	0.005	61.169	0.054	61.194	0.054	61.220	0.050	61.245	0.078
55.698	0.006	55.728	0.014	55.741	0.018	55.761	0.018	61.266	0.074	61.289	0.062	61.315	0.054	61.339	0.046
55.792	0.041	55.822	0.029	55.848	0.029	55.878	0.033	61.360	0.042	61.381	0.034	61.409	0.026	61.437	0.018
55.905	0.041	55.941	0.045	55.974	0.037	56.000	0.025	61.461	0.010	61.482	-0.002	61.514	-0.010	61.540	-0.018
56.025	0.008	56.059	-0.000	56.089	-0.009	56.114	-0.009	61.561	-0.022	61.587	-0.022	61.606	-0.026	61.627	0.007
56.138	-0.009	56.164	-0.017	56.191	-0.034	56.214	-0.034	61.653	-0.022	61.676	-0.019	61.696	-0.001	61.720	0.007
56.251	-0.038	56.270	-0.039	56.288	-0.035	56.314	-0.027	61.741	0.015	61.759	0.027	61.782	0.031	61.803	0.040
56.343	-0.016	56.374	-0.008	56.397	0.003	56.429	0.011	61.824	0.048	61.851	0.060	61.869	0.064	61.900	0.076
56.460	0.022	56.493	0.034	56.523	0.041	56.556	0.041	61.920	0.085	61.941	0.085	61.960	0.081	61.977	0.077
56.583	0.037	56.615	0.028	56.645	0.024	56.668	0.023	61.999	0.077	62.016	0.073	62.032	0.065	62.055	0.050
56.655	0.023	56.719	0.018	56.738	0.010	56.765	-0.006	62.074	0.046	62.092	0.034	62.113	0.026	62.134	0.010
56.794	-0.014	56.817	-0.018	56.832	-0.026	56.858	-0.038	62.152	0.002	62.171	-0.014	62.194	-0.025	62.215	-0.037
56.892	-0.043	56.922	-0.047	56.956	-0.043	56.975	-0.039	62.235	-0.045	62.255	-0.057	62.278	-0.061	62.298	-0.065
57.003	-0.027	57.036	-0.019	57.067	-0.007	57.097	0.005	62.322	-0.064	62.354	-0.060	62.462	-0.064	62.493	-0.064
57.124	0.018	57.163	0.030	57.190	0.042	57.222	0.054	62.412	-0.064	62.436	-0.060	62.543	-0.067	62.564	0.005
57.250	0.063	57.279	0.067	57.310	0.067	57.335	0.063	62.505	-0.023	62.520	-0.015	62.640	0.022	62.659	0.026
57.362	0.051	57.389	0.035	57.418	0.023	57.443	0.011	62.685	0.034	62.702	0.034	62.722	0.046	62.746	0.045
57.480	-0.005	57.493	-0.016	57.526	-0.032	57.553	-0.044	62.765	0.045	62.785	0.045	62.801	0.041	62.825	0.025
57.588	-0.056	57.624	-0.063	57.640	-0.071	57.669	-0.071	62.845	0.017	62.865	0.005	62.882	-0.003	62.900	-0.007
57.696	-0.071	57.727	-0.071	57.755	-0.062	57.814	-0.038	62.917	-0.011	62.933	-0.019	62.950	-0.023	62.978	-0.035
57.836	-0.022	57.863	0.003	57.889	0.015	57.914	0.031	62.985	0.039	63.015	-0.047	63.041	-0.055	63.060	-0.059
57.940	0.047	57.965	0.059	57.993	0.072	58.025	0.076	63.079	-0.063	63.101	-0.066	63.124	-0.066	63.143	-0.062
58.051	0.080	58.071	0.083	58.094	0.083	58.124	0.079	63.161	-0.062	63.185	-0.062	63.217	-0.058	63.241	-0.058
58.149	0.063	58.170	0.051	58.194	0.035	58.221	0.019	63.235	-0.053	63.257	-0.041	63.284	-0.029	63.304	-0.021
58.248	-0.001	58.271	-0.022	58.289	-0.038	58.315	-0.058	63.330	-0.009	63.348	-0.004	63.366	0.004	63.384	0.003
58.337	-0.066	58.352	-0.070	58.367	-0.070	58.394	-0.079	63.403	0.007	63.426	0.007	63.449	0.003	63.464	0.003
58.416	-0.079	58.442	-0.087	58.472	-0.095	58.492	-0.095	63.484	-0.001	63.505	-0.001	63.525	-0.006	63.546	-0.010
58.514	-0.051	58.539	-0.043	58.560	-0.059	58.578	-0.043	63.564	-0.014	63.581	-0.018	63.601	-0.026	63.622	-0.030
58.601	-0.031	58.619	-0.019	58.643	0.001	58.665	0.013	63.643	-0.034	63.662	-0.038	63.674	-0.042	63.698	-0.046
58.687	0.021	58.711	0.025	58.730	0.029	58.757	0.033	63.719	-0.054	63.737	-0.054	63.750	-0.054	63.780	-0.037
58.775	0.041	58.798	0.049	58.819	0.050	58.834	0.046	63.811	-0.058	63.838	-0.054	63.859	-0.046	63.878	-0.032
58.855	0.038	58.872	0.026	58.888	0.022	58.913	0.014	63.894	-0.037	63.916	-0.032	63.925	-0.020	63.938	-0.012
58.935	-0.005	58.958	-0.013	58.978	-0.029	59.003	-0.045	63.949	-0.012	63.971	-0.012	63.964	-0.003	64.003	0.013
59.024	-0.053	59.042	-0.061	59.068	-0.073	59.087	-0.081	63.975	0.009	63.984	0.009	63.951	0.009	64.045	0.030
59.107	-0.089	59.130	-0.093	59.150	-0.101	59.172	-0.105	64.014	0.017	64.024	0.025	64.034	0.030	64.045	0.030
59.274	-0.098	59.299	-0.090	59.318	-0.078	59.336	-0.075	64.055	0.034	64.067	0.054	64.081	0.058	64.095	0.058
59.364	-0.051	59.393	-0.035	59.416	-0.019	59.439	-0.007	64.112	0.066	64.130	0.070	64.144	0.070	64.157	0.070
59.465	0.004	59.485	0.016	59.514	0.028	59.543	0.032	64.175	0.078	64.250	0.074	64.200	0.078	64.213	0.078
59.566	0.040	59.584	0.048	59.599	0.051	59.623	0.051	64.231	0.078	64.250	0.074	64.270	0.066	64.286	0.054
59.642	0.043	59.661	0.031	59.683	0.019	59.705	0.003	64.310	0.045	64.326	0.037	64.352	0.029	64.378	0.020
59.728	-0.010	59.758	-0.020	59.783	-0.046	59.806	-0.050	64.359	0.015	64.420	0.010	64.448	0.009	64.463	-0.004
59.831	-0.051	59.851	-0.055	59.875	-0.059	59.898	-0.063	64.489	-0.014	64.511	-0.038	64.526	-0.042	64.541	-0.034
59.926	-0.060	59.954	-0.068	59.976	-0.068	60.006	-0.052	64.556	-0.038	64.570	-0.042	64.581	-0.042	64.594	-0.042
60.033	-0.040	60.057	-0.028	60.080	-0.017	60.104	-0.005	64.601	-0.046	64.606	-0.054	64.624	-0.057	64.638	-0.056
60.127	0.002	60.146	0.019	60.177	0.039	60.223	0.058	64.657	-0.048	64.673	-0.029	64.681	-0.035	64.697	-0.034
60.259	0.070	60.280	0.074	60.296	0.074	60.320	0.074	64.713	-0.010	64.731	-0.009	64.746	-0.013	64.758	-0.016
60.340	0.073	60.357	0.077	60.382	0.081	60.420	0.077	64.715	-0.012	64.758	-0.008	64.811	-0.008	64.826	-0.012
60.419	0.073	60.440	0.069	60.464	0.057	60.482	0.044	64.837	-0.004	64.855	-0.003	64.878	-0.003	64.897	-0.003
60.455	0.040	60.512	0.036	60.530	0.032	60.553	0.024	64.917	-0.003	64.935	0.006	64.952	0.002	64.970	0.005



64.952	0.005	65.008	0.001	65.027	-0.007	65.047	-0.019	65.667	-0.100	65.714	-0.105	65.742	-0.117	65.764	-0.129
65.065	-0.027	65.078	-0.028	65.097	-0.040	65.123	-0.041	69.783	-0.134	69.815	-0.134	65.851	-0.105	69.871	-0.100
65.148	-0.050	65.169	-0.058	65.197	-0.059	65.215	-0.067	65.864	-0.096	69.913	-0.090	65.955	-0.048	69.982	-0.038
65.231	-0.068	65.251	-0.072	65.275	-0.080	65.293	-0.080	70.009	-0.017	70.031	-0.026	70.051	-0.007	70.083	-0.008
65.313	-0.076	65.333	-0.076	65.348	-0.084	65.364	-0.083	70.110	-0.005	70.132	-0.001	70.170	-0.001	70.208	-0.005
65.375	-0.079	65.396	-0.071	65.412	-0.066	65.434	-0.045	70.231	-0.005	70.268	-0.010	70.283	-0.018	70.293	-0.018
65.448	-0.040	65.455	-0.040	65.472	-0.031	65.489	-0.022	70.321	-0.033	70.368	-0.036	70.398	-0.042	70.435	-0.049
65.515	-0.009	65.527	-0.008	65.544	-0.001	65.559	-0.005	70.458	-0.052	70.501	-0.058	70.532	-0.057	70.566	-0.056
65.573	0.014	65.585	0.019	65.595	0.027	65.606	0.046	70.557	-0.043	70.638	-0.043	70.674	-0.043	70.708	-0.030
65.619	0.031	65.637	0.028	65.654	0.026	65.674	0.028	70.747	-0.014	70.771	-0.010	70.808	-0.003	70.843	-0.003
65.686	0.031	65.700	0.031	65.711	0.031	65.725	0.030	70.874	0.008	70.887	0.008	70.922	-0.007	70.954	-0.007
65.736	0.018	65.753	0.018	65.764	0.026	65.781	0.020	70.969	0.005	70.995	0.001	71.022	-0.007	71.039	-0.007
65.793	0.026	65.810	0.026	65.828	0.018	65.848	0.006	71.058	-0.012	71.078	-0.004	71.104	-0.004	71.128	-0.012
65.864	0.002	65.894	-0.006	65.919	-0.010	65.936	-0.014	71.162	-0.016	71.198	-0.016	71.233	-0.007	71.258	-0.028
65.949	-0.022	65.965	-0.030	65.985	-0.034	66.007	-0.034	71.250	-0.009	71.315	-0.009	71.350	-0.007	71.368	-0.004
66.024	-0.034	66.045	-0.034	66.071	-0.042	66.086	-0.042	71.395	0.006	71.430	0.007	71.457	0.026	71.487	0.025
66.103	-0.042	66.121	-0.042	66.133	-0.042	66.153	-0.041	71.524	0.021	71.547	0.023	71.576	0.040	71.609	0.049
66.170	-0.010	66.186	-0.010	66.197	-0.007	66.213	-0.007	71.639	0.042	71.672	0.026	71.695	0.009	71.706	0.009
66.227	-0.003	66.245	-0.005	66.260	-0.009	66.271	-0.021	71.739	0.015	71.756	-0.016	71.790	0.013	71.820	-0.006
66.283	0.025	66.294	0.029	66.307	0.036	66.321	0.040	71.850	-0.005	71.876	-0.005	71.888	-0.007	71.923	-0.012
66.334	0.044	66.356	0.060	66.380	0.080	66.408	0.080	71.947	-0.021	71.983	-0.013	72.019	0.007	72.065	0.022
66.428	0.080	66.443	0.080	66.467	0.081	66.487	0.080	72.052	0.018	72.117	0.032	72.141	0.042	72.174	0.058
66.503	0.080	66.521	0.084	66.539	0.079	66.558	0.074	72.206	0.065	72.233	0.072	72.268	0.083	72.293	0.082
66.579	0.065	66.604	0.059	66.624	0.050	66.644	0.034	72.335	0.078	72.365	0.061	72.400	0.081	72.433	0.062
66.668	0.029	66.684	0.021	66.704	0.011	66.722	0.008	72.466	0.071	72.500	0.068	72.536	0.057	72.576	0.043
66.747	0.009	66.765	-0.006	66.786	-0.008	66.816	-0.002	72.610	0.044	72.665	0.032	72.701	0.029	72.730	0.029
66.844	0.001	66.865	-0.002	66.885	-0.010	66.908	-0.007	72.814	0.024	72.834	0.032	72.879	0.040	72.911	0.037
66.934	-0.004	66.956	-0.001	66.973	0.002	66.994	0.016	72.954	0.042	72.995	0.051	73.036	0.081	73.064	0.077
67.021	0.028	67.049	0.035	67.067	0.047	67.081	0.056	73.090	0.069	73.110	0.061	73.126	0.057	73.159	0.057
67.106	0.063	67.122	0.060	67.144	0.065	67.161	0.073	73.189	0.048	73.219	0.044	73.250	0.035	73.280	0.023
67.175	0.078	67.199	0.083	67.219	0.083	67.246	0.084	73.304	0.014	73.321	0.002	73.343	-0.006	73.369	-0.009
67.264	0.085	67.279	0.081	67.297	0.082	67.319	0.070	73.393	-0.012	73.424	-0.019	73.455	-0.018	73.484	-0.001
67.341	0.058	67.363	0.058	67.384	0.061	67.404	0.053	73.521	-0.020	73.558	-0.024	73.573	-0.019	73.621	-0.002
67.428	0.045	67.449	0.036	67.472	0.024	67.496	0.015	73.652	0.006	73.683	0.014	73.710	0.014	73.746	0.023
67.522	0.001	67.539	-0.008	67.564	-0.009	67.597	-0.011	73.768	0.039	73.811	0.049	73.843	0.049	73.884	0.026
67.614	-0.020	67.644	-0.022	67.667	-0.020	67.696	-0.016	73.919	0.027	73.946	0.040	73.977	0.052	74.000	0.045
67.729	0.000	67.761	0.026	67.786	0.031	67.812	0.032	74.016	0.037	74.046	0.021	74.070	0.018	74.108	0.020
67.831	0.036	67.854	0.044	67.873	0.048	67.899	0.064	74.152	-0.006	74.188	0.006	74.238	-0.018	74.266	-0.030
67.911	0.071	67.929	0.075	67.956	0.075	67.980	0.079	74.303	-0.038	74.345	-0.026	74.373	-0.022	74.401	-0.006
68.004	0.075	68.037	0.076	68.059	0.073	68.080	0.065	74.422	-0.025	74.450	-0.033	74.456	-0.025	74.474	-0.021
68.106	0.053	68.129	0.041	68.183	0.042	68.215	0.046	74.495	-0.025	74.503	-0.021	74.510	-0.017	74.559	-0.016
68.237	-0.007	68.266	-0.034	68.281	-0.026	68.308	-0.010	74.601	-0.020	74.613	-0.024	74.630	-0.023	74.638	-0.023
68.454	-0.007	68.476	0.008	68.494	-0.011	68.531	-0.015	74.653	-0.023	74.659	-0.023	74.672	-0.031	74.682	-0.035
68.515	0.035	68.538	0.034	68.561	0.042	68.585	0.053	74.656	-0.038	74.707	-0.034	74.718	-0.030	74.732	-0.027
68.615	0.040	68.650	0.035	68.670	0.035	68.700	0.046	74.750	-0.027	74.760	-0.015	74.768	-0.023	74.777	-0.019
68.732	0.049	68.757	0.045	68.778	0.033	68.804	0.029	74.789	-0.031	74.804	-0.035	74.810	-0.035	74.822	-0.035
68.830	0.025	68.845	0.025	68.860	0.013	68.890	0.007	74.833	-0.043	74.845	-0.039	74.854	-0.047	74.862	-0.040
68.907	-0.015	68.922	-0.015	68.944	-0.013	68.977	-0.023	74.876	-0.044	74.889	-0.052	74.856	-0.060	74.906	-0.052
68.994	-0.027	69.022	-0.038	69.049	-0.038	69.078	-0.043	74.921	-0.056	74.944	-0.052	74.953	-0.056	74.967	-0.049
69.102	-0.067	69.123	-0.035	69.144	-0.027	69.178	-0.019	74.982	-0.041	74.995	-0.049	75.012	-0.049	75.027	-0.050
69.156	-0.011	69.211	-0.003	69.245	0.013	69.264	0.004	75.043	-0.050	75.053	-0.062	75.084	-0.062	75.072	-0.058
69.278	0.008	69.316	0.016	69.331	0.016	69.356	0.012	75.081	-0.066	75.090	-0.063	75.104	-0.067	75.120	-0.071
69.378	0.016	69.411	0.020	69.438	0.008	69.456	0.008	75.128	-0.079	75.144	-0.067	75.164	-0.067	75.179	-0.048
69.483	0.008	69.512	0.001	69.528	-0.007	69.555	-0.031	75.152	-0.040	75.224	-0.044	75.212	-0.041	75.239	-0.045
69.586	-0.055	69.612	-0.067	69.634	-0.072	69.653	-0.084	75.257	-0.045	75.272	-0.037	75.289	-0.033	75.307	-0.029
								75.319	-0.029	75.331	-0.033	75.349	-0.033	75.367	-0.018



75.373	0.010	75.388	0.010	75.410	0.014	75.426	0.016	80.388	C.038	80.414	0.023	80.446	0.023	80.476	0.011
75.446	0.014	75.465	0.018	75.489	0.010	75.511	0.010	80.500	0.015	80.525	0.011	80.555	0.015	80.581	0.011
75.527	0.018	75.547	0.013	75.564	0.030	75.580	0.010	80.607	0.008	80.633	0.008	80.649	0.000	80.670	0.000
75.553	0.018	75.570	0.018	75.584	0.022	75.595	0.022	80.688	0.004	80.708	-0.004	80.726	-0.003	80.746	0.005
75.672	0.022	75.686	0.026	75.713	0.026	75.738	0.026	80.767	0.005	80.782	0.005	80.808	0.005	80.828	0.018
75.755	0.026	75.774	0.018	75.787	0.018	75.805	0.018	80.850	C.010	80.874	0.014	80.898	0.018	80.924	C.018
75.816	0.026	75.825	0.026	75.852	0.026	75.875	0.022	80.959	C.019	80.976	0.015	80.999	0.015	81.021	0.015
75.856	0.043	75.905	0.019	75.926	0.011	75.937	0.015	81.047	0.007	81.068	0.008	81.098	-0.004	81.126	-0.012
75.953	0.023	75.980	0.019	76.000	0.023	76.022	0.019	81.143	-0.008	81.171	-0.020	81.185	-0.028	81.207	-0.015
76.048	0.024	76.103	0.024	76.113	0.008	76.115	0.000	81.232	-0.023	81.260	-0.035	81.283	-0.043	81.302	-0.035
76.132	0.000	76.166	-0.008	76.187	0.001	76.201	-0.007	81.331	-0.039	81.358	-0.043	81.379	-0.051	81.393	-0.047
76.212	-0.003	76.233	0.013	76.259	0.005	76.272	0.017	81.412	-0.047	81.428	-0.043	81.446	-0.054	81.469	-0.042
76.257	0.017	76.318	-0.003	76.340	-0.003	76.360	-0.011	81.498	-0.042	81.522	-0.043	81.546	-0.039	81.563	-0.035
76.386	-0.011	76.404	-0.003	76.419	0.005	76.431	0.009	81.589	-0.031	81.615	-0.035	81.626	-0.019	81.648	-0.020
76.455	0.025	76.468	0.029	76.491	0.028	76.513	0.020	81.658	-0.008	81.681	0.004	81.701	0.008	81.719	-0.000
76.537	0.000	76.556	-0.008	76.575	-0.016	76.598	-0.012	81.737	-0.000	81.761	0.003	81.788	0.011	81.810	0.015
76.623	0.007	76.641	0.027	76.668	0.019	76.692	0.007	81.827	0.023	81.851	0.026	81.871	0.036	81.892	0.034
76.713	-0.001	76.737	-0.014	76.750	0.022	76.770	0.030	81.921	0.025	81.957	0.025	81.986	0.025	82.012	0.033
76.751	-0.010	76.812	-0.011	76.829	-0.003	76.848	-0.019	82.033	0.012	82.068	0.004	82.107	0.000	82.148	0.008
76.804	-0.023	76.884	-0.023	76.903	-0.032	76.921	-0.040	82.176	-0.016	82.203	-0.012	82.235	-0.012	82.263	-0.008
76.840	-0.044	76.858	-0.056	76.873	-0.032	76.893	-0.053	82.312	0.004	82.330	0.000	82.330	0.004	82.342	0.004
77.009	-0.053	77.029	-0.041	77.051	-0.029	77.070	-0.025	82.358	0.004	82.377	0.008	82.394	0.012	82.410	0.017
77.086	-0.033	77.116	-0.030	77.139	-0.018	77.161	-0.026	82.432	0.029	82.455	0.025	82.472	0.033	82.485	0.025
77.192	-0.022	77.212	-0.030	77.229	-0.018	77.252	-0.018	82.515	0.033	82.538	0.042	82.566	0.042	82.594	0.035
77.278	-0.010	77.300	-0.001	77.326	0.007	77.342	0.007	82.622	0.035	82.646	0.043	82.672	0.036	82.693	0.028
77.366	0.011	77.392	0.023	77.409	0.015	77.437	0.000	82.721	0.029	82.746	0.029	82.767	0.037	82.799	0.033
77.461	-0.000	77.485	0.008	77.509	0.012	77.531	0.017	82.826	0.033	82.860	0.026	82.885	0.022	82.906	0.026
77.560	0.009	77.584	0.009	77.606	0.006	77.626	0.002	82.928	0.030	82.955	0.034	82.990	0.031	83.011	0.031
77.641	0.002	77.671	-0.002	77.704	0.003	77.723	0.015	83.030	0.026	83.047	0.026	83.069	0.022	83.083	0.018
77.750	0.011	77.765	0.019	77.795	0.032	77.823	0.020	83.102	0.018	83.123	0.026	83.143	0.026	83.166	0.022
77.848	0.028	77.874	0.040	77.900	0.028	77.923	0.033	83.188	0.034	83.208	0.038	83.225	0.034	83.250	0.030
77.957	0.028	77.986	0.040	78.016	0.048	78.045	0.044	83.269	0.038	83.290	0.030	83.313	0.022	83.336	0.036
78.082	0.044	78.115	0.039	78.145	0.051	78.178	0.051	83.366	0.010	83.390	0.026	83.417	0.027	83.436	0.011
78.205	0.043	78.246	0.026	78.274	0.014	78.304	0.021	83.459	0.019	83.488	0.015	83.515	0.011	83.537	0.008
78.324	0.013	78.346	0.009	78.381	0.000	78.415	-0.004	83.566	0.004	83.585	0.004	83.611	0.000	83.634	-0.003
78.443	-0.005	78.476	-0.017	78.509	-0.021	78.535	-0.001	83.651	-0.007	83.670	-0.007	83.697	-0.007	83.720	0.002
78.557	-0.017	78.586	-0.005	78.604	-0.009	78.625	-0.001	83.746	-0.002	83.766	-0.001	83.787	-0.003	83.811	-0.000
78.655	0.011	78.686	0.028	78.711	0.024	78.746	0.040	83.829	-0.012	83.850	-0.012	83.876	-0.011	83.895	-0.011
78.768	0.041	78.796	0.041	78.822	0.033	78.843	0.033	83.925	-0.010	83.945	-0.010	83.977	-0.005	84.001	-0.005
78.868	0.042	78.889	0.046	78.914	0.042	78.933	0.051	84.024	-0.012	84.041	-0.016	84.060	-0.028	84.086	-0.024
78.957	0.039	78.983	0.035	79.005	0.027	79.022	0.023	84.107	-0.024	84.127	-0.012	84.147	-0.015	84.164	-0.023
79.048	0.015	79.066	0.011	79.088	0.003	79.100	0.003	84.179	-0.003	84.198	-0.019	84.217	-0.015	84.239	-0.020
79.132	-0.007	79.161	0.008	79.197	-0.000	79.225	-0.001	84.260	-0.012	84.276	-0.012	84.293	-0.008	84.308	-0.008
79.250	-0.009	79.270	0.003	79.291	-0.013	79.314	0.001	84.331	-0.004	84.348	0.004	84.365	0.003	84.390	0.003
79.340	0.003	79.363	0.007	79.391	0.011	79.415	0.031	84.415	0.003	84.439	-0.005	84.473	0.003	84.500	0.007
79.438	0.027	79.464	0.027	79.484	0.019	79.507	0.023	84.519	0.006	84.536	-0.002	84.555	-0.006	84.572	-0.006
79.529	0.027	79.550	0.011	79.570	0.011	79.574	0.007	84.594	-0.002	84.605	-0.001	84.631	-0.006	84.654	-0.010
79.558	0.015	79.580	0.019	79.618	0.019	79.666	0.027	84.676	-0.014	84.693	-0.014	84.715	-0.026	84.734	-0.030
79.686	-0.015	79.708	-0.009	79.728	-0.005	79.753	-0.005	84.762	-0.026	84.780	-0.026	84.802	-0.030	84.819	-0.030
79.779	-0.013	79.796	-0.013	79.822	-0.016	79.846	-0.020	84.836	-0.042	84.853	-0.042	84.871	-0.030	84.887	-0.034
79.870	-0.020	79.884	-0.032	79.917	-0.024	79.941	-0.032	84.902	-0.034	84.917	-0.029	84.928	-0.033	84.943	-0.041
79.967	-0.027	79.986	-0.011	80.005	-0.019	80.022	-0.011	84.963	-0.029	84.981	-0.033	84.993	-0.029	85.010	-0.029
80.040	-0.011	80.057	-0.007	80.085	-0.015	80.102	-0.011	85.030	-0.025	85.047	-0.023	85.065	-0.023	85.080	-0.025
80.120	-0.007	80.142	-0.003	80.163	0.002	80.185	-0.002	85.103	-0.026	85.124	-0.034	85.141	-0.018	85.159	-0.018
80.203	0.002	80.221	0.010	80.242	0.010	80.259	0.014	85.178	-0.018	85.193	-0.006	85.213	-0.006	85.238	-0.010
80.284	0.018	80.306	0.018	80.335	0.018	80.367	0.030	85.266	-0.002						
80.388	0.038	80.414	0.023	80.446	0.023	80.476	0.011								



71-037 2/9/71 0600 PST LOS ANGELES 8639 LINCOLN, 6TH FL. S A

4257 POINTS 85.337 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 0.1411 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.007	0.016	0.007	0.030	0.011	0.041	0.027	1.596	0.045	1.605	0.061	1.613	0.073	1.620	0.085		
0.051	0.035	0.057	0.039	0.066	0.044	0.078	0.044	1.628	0.089	1.639	0.072	1.651	0.052	1.661	0.036		
0.090	0.040	0.095	0.036	0.105	0.028	0.116	0.024	1.672	0.028	1.680	0.022	1.690	0.060	1.703	0.080		
0.125	0.032	0.132	0.044	0.141	0.064	0.149	0.076	1.713	0.106	1.723	0.108	1.735	0.112	1.742	0.116		
0.158	0.088	0.169	0.072	0.178	0.048	0.183	0.041	1.751	0.110	1.759	0.116	1.766	0.116	1.779	0.107		
0.185	0.025	0.196	0.013	0.202	0.005	0.207	0.001	1.788	0.067	1.795	0.067	1.806	0.035	1.817	0.013		
0.213	0.003	0.222	0.007	0.227	0.011	0.233	0.015	1.829	0.042	1.838	0.054	1.850	0.000	1.862	0.006		
0.237	0.019	0.243	0.027	0.249	0.031	0.255	0.035	1.874	0.022	1.883	0.034	1.890	0.037	1.901	0.033		
0.261	0.035	0.270	0.034	0.279	0.030	0.287	0.018	1.913	0.017	1.919	0.007	1.930	0.035	1.940	0.063		
0.256	0.018	0.305	0.022	0.314	0.026	0.321	0.034	1.952	0.088	1.968	0.108	1.982	0.120	1.995	0.112		
0.330	0.041	0.338	0.053	0.344	0.069	0.350	0.073	2.006	0.072	2.015	0.029	2.028	0.001	2.036	0.043		
0.357	0.061	0.364	0.045	0.372	0.033	0.380	0.009	2.046	0.071	2.056	0.078	2.068	0.078	2.078	0.078		
0.389	0.003	0.400	0.004	0.410	0.008	0.420	0.020	2.088	0.078	2.099	0.073	2.111	0.077	2.121	0.081		
0.428	0.032	0.435	0.044	0.443	0.052	0.451	0.060	2.129	0.061	2.136	0.052	2.142	0.112	2.151	0.128		
0.461	0.051	0.470	0.047	0.478	0.035	0.488	0.031	2.160	0.152	2.166	0.176	2.172	0.192	2.181	0.203		
0.500	0.023	0.510	0.015	0.521	0.011	0.533	0.002	2.193	0.199	2.204	0.179	2.214	0.155	2.220	0.134		
0.544	0.010	0.554	0.010	0.562	0.014	0.571	0.026	2.234	0.058	2.247	0.086	2.260	0.094	2.275	0.122		
0.566	0.026	0.593	0.018	0.603	0.000	0.611	0.015	2.283	0.138	2.293	0.149	2.304	0.165	2.316	0.169		
0.621	0.035	0.630	0.067	0.642	0.071	0.656	0.067	2.327	0.161	2.339	0.141	2.345	0.117	2.355	0.093		
0.650	0.051	0.681	0.033	0.693	0.020	0.703	0.008	2.362	0.065	2.365	0.032	2.378	0.004	2.386	0.044		
0.715	0.024	0.728	0.032	0.738	0.048	0.750	0.044	2.397	0.064	2.407	0.072	2.421	0.072	2.433	0.068		
0.762	0.036	0.774	0.024	0.784	0.016	0.795	0.008	2.445	0.069	2.454	0.073	2.464	0.089	2.472	0.115		
0.807	0.004	0.816	0.020	0.825	0.032	0.836	0.036	2.478	0.137	2.490	0.145	2.499	0.157	2.509	0.167		
0.850	0.024	0.858	0.008	0.861	0.012	0.868	0.044	2.520	0.169	2.530	0.173	2.541	0.177	2.554	0.169		
0.875	0.072	0.881	0.088	0.887	0.116	0.896	0.131	2.566	0.131	2.573	0.069	2.585	0.037	2.594	0.011		
0.904	0.139	0.908	0.131	0.917	0.107	0.923	0.075	2.603	0.047	2.614	0.071	2.625	0.083	2.639	0.083		
0.938	0.051	0.946	0.019	0.956	0.001	0.965	0.033	2.648	0.075	2.659	0.063	2.671	0.035	2.682	0.035		
0.979	0.061	0.991	0.065	1.003	0.045	1.010	0.021	2.691	0.042	2.705	0.079	2.714	0.123	2.722	0.147		
1.026	0.007	1.037	0.063	1.048	0.049	1.058	0.067	2.730	0.175	2.739	0.151	2.749	0.199	2.759	0.190		
1.066	0.039	1.071	0.009	1.088	0.009	1.103	0.029	2.770	0.170	2.781	0.134	2.788	0.078	2.801	0.054		
1.129	0.081	1.146	0.065	1.158	0.045	1.168	0.069	2.814	0.041	2.828	0.045	2.840	0.077	2.851	0.097		
1.184	0.005	1.201	0.001	1.216	0.003	1.226	0.007	2.866	0.029	2.880	0.064	2.890	0.056	2.898	0.016		
1.231	0.031	1.251	0.059	1.259	0.083	1.272	0.103	2.906	0.029	2.915	0.077	2.924	0.113	2.937	0.157		
1.284	0.123	1.297	0.135	1.313	0.139	1.326	0.139	2.949	0.182	2.966	0.154	2.977	0.182	2.991	0.179		
1.339	0.131	1.356	0.127	1.368	0.119	1.381	0.119	3.002	0.207	3.011	0.239	3.020	0.272	3.030	0.304		
1.366	0.119	1.405	0.123	1.415	0.135	1.427	0.151	3.042	0.324	3.053	0.333	3.067	0.325	3.076	0.369		
1.439	0.171	1.448	0.187	1.462	0.191	1.472	0.183	3.090	0.302	3.101	0.306	3.115	0.311	3.122	0.307		
1.483	0.163	1.495	0.135	1.505	0.111	1.472	0.183	3.134	0.283	3.143	0.256	3.153	0.192	3.162	0.092		
1.523	0.047	1.524	0.019	1.542	0.003	1.551	0.009	3.171	0.064	3.177	0.024	3.185	0.019	3.192	0.043		
1.562	0.021	1.571	0.029	1.582	0.033	1.590	0.037	3.159	0.067	3.205	0.067	3.211	0.103	3.217	0.110		



3.227	0.114	3.235	0.098	3.249	0.062	3.259	0.037	5.262	C.078	5.272	C.054	5.282	C.022	5.289	-0.014
3.268	0.021	3.274	0.013	3.280	0.013	3.286	0.045	5.295	-0.059	5.303	-0.111	5.311	-0.163	5.319	-0.227
3.295	0.089	3.301	0.125	3.309	0.197	3.315	0.269	5.328	-0.308	5.339	-0.381	5.351	-0.356	5.363	-0.312
3.323	0.365	3.331	0.453	3.340	0.492	3.349	0.520	5.377	-0.377	5.387	-0.381	5.396	-0.389	5.407	-0.414
3.358	0.524	3.366	0.520	3.375	0.508	3.387	0.492	5.417	-0.430	5.428	-0.442	5.436	-0.450	5.443	-0.458
3.395	0.468	3.404	0.399	3.417	0.283	3.430	0.227	5.452	-0.455	5.460	-0.455	5.470	-0.443	5.481	-0.427
3.438	0.131	3.446	0.102	3.457	0.074	3.467	0.082	5.489	-0.459	5.498	-0.452	5.508	-0.404	5.515	-0.260
3.481	0.114	3.488	0.130	3.498	0.122	3.512	0.093	5.522	-0.188	5.528	-0.128	5.539	-0.068	5.548	C.004
3.525	0.061	3.533	0.025	3.543	0.001	3.559	-0.019	5.556	C.052	5.566	C.108	5.576	0.164	5.585	0.203
3.561	-0.051	3.569	-0.076	3.577	-0.108	3.589	-0.152	5.592	0.227	5.600	0.247	5.608	0.239	5.616	0.271
3.602	-0.208	3.612	-0.240	3.621	-0.273	3.628	-0.297	5.627	0.253	5.634	0.255	5.642	0.239	5.651	0.234
3.636	-0.309	3.642	-0.329	3.652	-0.341	3.661	-0.333	5.657	C.234	5.665	C.266	5.673	C.330	5.682	C.370
3.670	-0.313	3.679	-0.277	3.687	-0.254	3.694	-0.230	5.690	0.402	5.699	C.426	5.708	C.446	5.715	C.442
3.701	-0.206	3.709	-0.182	3.715	-0.162	3.725	-0.130	5.729	C.421	5.743	C.405	5.757	C.409	5.764	0.417
3.739	-0.122	3.746	-0.106	3.755	-0.099	3.763	-0.091	5.768	0.417	5.778	C.413	5.787	C.372	5.794	C.340
3.769	-0.091	3.776	-0.079	3.784	-0.067	3.791	-0.059	5.801	0.292	5.809	C.256	5.818	0.204	5.825	C.140
3.799	-0.047	3.808	-0.024	3.814	0.012	3.822	0.052	5.834	0.083	5.841	0.023	5.849	-0.033	5.858	-0.097
3.829	0.080	3.834	0.104	3.839	0.132	3.846	0.168	5.867	-0.189	5.874	-0.217	5.882	-0.282	5.890	-0.338
3.850	0.224	3.853	0.255	3.871	0.295	3.879	0.327	5.900	-0.378	5.907	-0.406	5.915	-0.410	5.925	-0.390
3.887	C.355	3.894	0.367	3.902	0.371	3.911	0.367	5.935	-0.355	5.940	-0.339	5.953	-0.335	5.964	-0.347
3.918	0.354	3.929	0.338	3.937	0.322	3.945	0.314	5.972	-0.395	5.981	-0.447	5.988	-0.508	5.996	-0.576
3.955	0.310	3.963	0.322	3.972	0.337	3.980	0.353	6.003	-0.632	6.012	-0.684	6.018	-0.740	6.027	-0.761
3.987	0.373	3.995	0.369	4.008	0.353	4.016	0.321	6.036	-0.773	6.042	-0.773	6.050	-0.761	6.059	-0.741
4.026	0.292	4.038	0.256	4.046	0.208	4.060	0.168	6.066	-0.658	6.074	-0.650	6.081	-0.578	6.090	-0.510
4.069	0.196	4.076	0.155	4.085	0.063	4.097	0.035	6.096	-0.442	6.103	-0.362	6.110	-0.314	6.116	-0.282
4.103	0.011	4.112	0.003	4.123	-0.005	4.135	-0.006	6.123	-0.255	6.131	-0.247	6.141	-0.204	6.150	-0.247
4.148	-0.006	4.156	-0.010	4.165	-0.018	4.174	-0.022	6.161	-0.248	6.167	-0.236	6.177	-0.204	6.184	-0.148
4.183	-0.058	4.185	-0.058	4.195	-0.075	4.204	-0.099	6.188	-0.092	6.197	-0.020	6.205	0.068	6.213	0.168
4.214	-0.123	4.221	-0.151	4.229	-0.175	4.236	-0.199	6.231	0.255	6.231	0.215	6.237	0.371	6.246	C.419
4.243	-0.219	4.250	-0.239	4.259	-0.248	4.267	-0.260	6.256	C.451	6.267	0.462	6.281	C.490	6.291	0.522
4.273	-0.252	4.285	-0.204	4.291	-0.152	4.299	-0.076	6.300	C.553	6.311	0.589	6.317	0.621	6.324	0.657
4.309	-0.004	4.315	0.068	4.323	0.120	4.330	0.168	6.332	C.689	6.340	C.704	6.346	C.708	6.359	C.704
4.336	0.180	4.347	0.172	4.354	0.152	4.365	0.103	6.371	C.680	6.380	0.647	6.390	0.615	6.400	0.591
4.378	0.055	4.390	0.003	4.401	-0.013	4.408	-0.005	6.409	C.558	6.418	C.522	6.426	C.490	6.434	C.434
4.420	0.071	4.432	0.163	4.444	0.243	4.456	0.318	6.440	C.377	6.448	0.321	6.457	C.269	6.465	0.197
4.468	0.362	4.480	0.410	4.491	0.418	4.503	0.406	6.473	C.152	6.481	C.124	6.488	C.092	6.496	0.064
4.515	0.190	4.522	0.330	4.531	0.270	4.540	0.234	6.505	0.044	6.511	-0.001	6.517	-0.037	6.528	-0.085
4.551	0.089	4.566	0.189	4.579	0.202	4.591	0.234	6.532	-0.129	6.536	-0.181	6.545	-0.253	6.552	-0.333
4.601	0.262	4.613	0.282	4.622	0.282	4.634	0.274	6.560	-0.402	6.567	-0.482	6.572	-0.538	6.581	-0.570
4.644	0.233	4.653	0.161	4.661	0.081	4.671	0.013	6.588	-0.594	6.597	-0.652	6.611	-0.635	6.623	-0.643
4.678	-0.043	4.686	-0.111	4.695	-0.155	4.707	-0.179	6.631	-0.647	6.639	-0.655	6.652	-0.663	6.665	-0.667
4.719	-0.163	4.731	-0.119	4.745	-0.087	4.752	-0.059	6.675	-0.672	6.685	-0.676	6.697	-0.672	6.708	-0.652
4.760	-0.047	4.768	-0.040	4.778	-0.048	4.789	-0.080	6.718	-0.592	6.728	-0.520	6.737	-0.448	6.746	-0.404
4.801	-0.108	4.815	-0.144	4.825	-0.172	4.834	-0.184	6.754	-0.344	6.761	-0.260	6.765	-0.200	6.781	-0.136
4.841	-0.201	4.848	-0.209	4.858	-0.217	4.868	-0.189	6.750	-0.076	6.756	-0.004	6.805	0.032	6.811	0.072
4.876	-0.157	4.885	-0.113	4.894	-0.073	4.903	-0.033	6.818	C.096	6.824	C.140	6.833	C.172	6.840	C.200
4.912	0.003	4.921	0.035	4.926	0.059	4.938	0.079	6.849	0.244	6.855	C.268	6.868	C.304	6.877	C.344
4.951	C.094	4.963	0.118	4.970	0.150	4.979	0.178	6.885	C.388	6.892	C.452	6.901	C.504	6.907	0.572
4.987	0.202	4.995	0.234	5.002	0.266	5.008	0.285	6.914	C.620	6.920	C.660	6.926	C.732	6.932	C.780
5.015	0.301	5.023	0.317	5.029	0.329	5.038	0.353	6.937	C.820	6.943	0.830	6.949	0.840	6.955	0.840
5.047	0.384	5.056	0.420	5.063	0.444	5.070	C.480	6.961	0.832	6.967	C.816	6.974	C.768	6.983	0.728
5.077	0.456	5.084	0.515	5.091	0.523	5.102	0.527	6.993	0.671	7.002	C.559	7.010	C.543	7.016	C.487
5.111	0.527	5.121	0.522	5.132	0.518	5.141	0.510	7.024	C.447	7.032	0.391	7.038	0.311	7.051	0.311
5.147	C.482	5.153	C.449	5.164	C.401	5.169	0.365	7.061	C.247	7.072	C.211	7.081	C.159	7.088	C.119
5.175	0.321	5.184	0.281	5.193	0.216	5.202	C.176	7.057	-0.067	7.102	C.043	7.108	-0.009	7.112	-0.062
5.210	0.144	5.222	0.115	5.237	0.103	5.249	0.051	7.120	-0.122	7.131	-0.154	7.140	-0.262	7.147	-0.302



7.153	-0.358	7.160	-0.410	7.167	-0.442	7.177	-0.486	9.070	-0.089	9.082	-0.114	9.089	-0.146	9.099	-0.178
7.185	-0.530	7.197	-0.582	7.214	-0.618	7.222	-0.678	9.110	-0.206	9.117	-0.218	9.128	-0.235	9.136	-0.251
7.230	-0.727	7.239	-0.763	7.249	-0.807	7.257	-0.843	9.145	-0.251	9.157	-0.251	9.166	-0.228	9.175	-0.180
7.266	-0.867	7.275	-0.888	7.285	-0.888	7.293	-0.840	9.183	-0.148	9.188	-0.124	9.197	-0.052	9.207	-0.056
7.310	-0.764	7.322	-0.664	7.333	-0.588	7.345	-0.505	9.215	-0.021	9.222	0.003	9.230	0.023	9.240	0.027
7.360	-0.437	7.371	-0.357	7.381	-0.305	7.394	-0.253	9.254	0.018	9.264	0.026	9.274	-0.050	9.282	-0.078
7.446	-0.210	7.450	-0.154	7.463	-0.126	7.468	-0.078	9.294	0.091	9.304	0.055	9.316	-0.095	9.327	-0.084
7.445	-0.038	7.452	0.018	7.459	0.059	7.465	0.113	9.342	-0.040	9.354	0.020	9.361	0.063	9.371	0.094
7.472	0.157	7.478	0.193	7.484	0.229	7.492	0.321	9.380	0.139	9.391	0.171	9.400	0.190	9.410	0.210
7.500	0.385	7.510	0.425	7.522	0.464	7.528	0.496	9.421	0.210	9.435	0.189	9.451	0.173	9.461	0.157
7.535	0.516	7.543	0.532	7.551	0.552	7.561	0.563	9.470	0.210	9.482	0.136	9.491	0.128	9.502	0.116
7.568	0.581	7.580	0.551	7.585	0.523	7.597	0.507	9.509	0.116	9.523	0.127	9.538	0.175	9.554	0.207
7.610	0.478	7.617	0.462	7.623	0.446	7.629	0.430	9.568	0.222	9.580	0.218	9.590	0.210	9.596	0.186
7.636	0.406	7.643	0.381	7.655	0.353	7.661	0.333	9.606	0.162	9.615	0.111	9.626	0.121	9.636	0.105
7.668	0.325	7.675	0.317	7.685	0.308	7.693	0.296	9.643	0.097	9.659	0.117	9.665	0.152	9.684	0.184
7.703	0.280	7.709	0.260	7.713	0.236	7.718	0.195	9.699	0.152	9.708	0.172	9.719	0.151	9.727	0.115
7.724	0.171	7.728	0.139	7.732	0.103	7.734	0.067	9.734	0.055	9.741	0.063	9.746	0.051	9.756	0.047
7.743	0.019	7.754	-0.029	7.760	-0.061	7.769	-0.102	9.770	0.054	9.782	0.070	9.792	0.090	9.804	0.098
7.775	-0.134	7.783	-0.166	7.793	-0.214	7.799	-0.274	9.815	0.106	9.831	0.101	9.841	0.093	9.846	0.081
7.805	-0.326	7.814	-0.391	7.821	-0.463	7.829	-0.543	9.856	0.061	9.864	0.033	9.875	0.013	9.882	-0.003
7.836	-0.603	7.846	-0.635	7.860	-0.643	7.870	-0.628	9.890	-0.024	9.898	-0.000	9.906	-0.080	9.915	-0.096
7.883	-0.564	7.893	-0.552	7.902	-0.512	7.910	-0.468	9.925	-0.108	9.936	-0.104	9.942	-0.084	9.951	-0.041
7.915	-0.444	7.919	-0.416	7.925	-0.380	7.929	-0.360	9.965	-0.009	9.974	0.019	9.986	0.027	9.994	0.023
7.932	-0.332	7.938	-0.312	7.944	-0.297	7.948	-0.289	10.002	0.007	10.008	0.006	10.017	-0.034	10.024	-0.062
7.957	-0.269	7.965	-0.253	7.974	-0.233	7.982	-0.201	10.033	-0.082	10.042	-0.050	10.049	-0.102	10.058	-0.115
7.989	-0.305	8.000	-0.309	8.012	-0.258	8.021	-0.266	10.065	-0.127	10.071	-0.135	10.077	-0.135	10.083	-0.135
8.028	-0.250	8.036	-0.226	8.044	-0.202	8.050	-0.186	10.054	-0.119	10.102	-0.104	10.112	-0.056	10.115	-0.044
8.057	-0.166	8.062	-0.146	8.069	-0.118	8.074	-0.099	10.122	-0.012	10.127	0.020	10.133	0.056	10.142	0.056
8.079	-0.079	8.084	-0.059	8.089	-0.023	8.097	0.025	10.148	0.120	10.154	0.132	10.161	0.151	10.169	0.167
8.103	0.053	8.108	0.085	8.112	0.113	8.117	0.141	10.178	0.175	10.187	0.175	10.201	0.167	10.211	0.158
8.123	0.177	8.129	0.205	8.134	0.229	8.143	0.245	10.222	0.130	10.232	0.114	10.243	0.094	10.255	0.081
8.148	0.261	8.155	0.280	8.160	0.296	8.165	0.308	10.264	0.077	10.276	0.077	10.287	0.093	10.297	0.125
8.171	0.320	8.177	0.328	8.186	0.332	8.195	0.324	10.305	0.153	10.318	0.164	10.341	0.168	10.341	0.156
8.204	0.360	8.216	0.267	8.225	0.247	8.233	0.231	10.369	0.132	10.363	0.076	10.374	0.043	10.380	-0.001
8.242	0.215	8.250	0.203	8.265	0.195	8.271	0.194	10.390	-0.021	10.356	-0.045	10.405	-0.061	10.414	-0.085
8.277	0.158	8.293	0.202	8.304	0.194	8.313	0.170	10.420	-0.117	10.426	-0.134	10.435	-0.158	10.443	-0.178
8.320	0.146	8.332	0.109	8.338	0.077	8.344	0.037	10.451	-0.190	10.460	-0.202	10.469	-0.210	10.480	-0.226
8.350	0.001	8.355	-0.031	8.360	-0.067	8.370	-0.107	10.469	-0.243	10.456	-0.259	10.506	-0.283	10.514	-0.291
8.380	-0.140	8.391	-0.144	8.401	-0.144	8.408	-0.120	10.522	-0.311	10.527	-0.319	10.536	-0.327	10.545	-0.327
8.415	-0.112	8.423	-0.092	8.431	-0.080	8.441	-0.064	10.554	-0.331	10.566	-0.252	10.572	-0.264	10.583	-0.248
8.449	-0.057	8.458	-0.137	8.470	-0.149	8.477	-0.161	10.555	-0.232	10.604	-0.212	10.615	-0.176	10.624	-0.161
8.486	-0.169	8.494	-0.169	8.505	-0.169	8.513	-0.178	10.636	-0.057	10.644	-0.033	10.652	0.019	10.660	0.071
8.521	-0.178	8.531	-0.170	8.539	-0.150	8.546	-0.106	10.668	0.059	10.678	0.135	10.692	0.139	10.703	0.139
8.553	-0.078	8.555	-0.040	8.565	-0.026	8.571	0.002	10.713	0.138	10.720	0.146	10.733	0.150	10.742	0.161
8.576	0.022	8.582	0.046	8.593	0.058	8.603	0.061	10.751	0.189	10.760	0.221	10.772	0.248	10.780	0.280
8.616	0.061	8.624	0.053	8.633	0.045	8.637	0.045	10.784	0.312	10.785	0.340	10.796	0.359	10.802	0.395
8.646	0.045	8.657	0.065	8.664	0.085	8.674	0.109	10.814	0.403	10.825	0.474	10.835	0.482	10.842	0.482
8.683	0.133	8.694	0.152	8.705	0.172	8.717	0.180	10.859	0.453	10.874	0.420	10.889	0.368	10.901	0.319
8.730	0.184	8.740	0.180	8.751	0.176	8.763	0.176	10.913	0.267	10.923	0.222	10.937	0.162	10.949	0.101
8.773	0.176	8.785	0.183	8.796	0.219	8.811	0.235	10.965	0.061	10.975	0.024	10.985	0.007	11.013	0.011
8.819	0.255	8.826	0.275	8.834	0.275	8.844	0.279	11.028	0.018	11.042	0.022	11.054	0.005	11.072	-0.012
8.855	0.267	8.864	0.238	8.872	0.202	8.879	0.162	11.082	-0.044	11.090	-0.024	11.103	-0.108	11.117	-0.164
8.888	0.102	8.898	0.070	8.907	0.046	8.918	0.026	11.129	-0.196	11.146	-0.217	11.159	-0.177	11.171	-0.141
8.934	0.013	8.948	0.009	8.966	0.005	8.976	0.005	11.180	-0.053	11.190	-0.073	11.201	-0.073	11.211	-0.062
8.985	0.001	8.997	-0.004	9.008	-0.020	9.021	-0.024	11.223	-0.058	11.234	-0.054	11.246	-0.042	11.258	-0.030
9.031	-0.032	9.035	-0.045	9.050	-0.053	9.060	-0.073	11.272	-0.034	11.284	-0.035	11.296	-0.031	11.308	-0.023



11.321	-0.003	11.333	0.041	11.338	0.045	11.351	0.097	14.586	-C.004	14.600	C.044	14.620	C.088	14.646	C.120
11.363	0.100	11.372	0.120	11.381	0.128	11.393	0.136	14.669	-C.156	14.690	C.168	14.706	C.207	14.723	C.255
11.404	0.136	11.417	0.128	11.426	0.124	11.439	0.111	14.742	C.275	14.765	C.259	14.782	C.222	14.757	0.170
11.451	0.111	11.463	0.123	11.475	0.155	11.485	0.195	14.815	0.102	14.831	C.058	14.848	C.009	14.866	-0.023
11.454	0.263	11.505	0.307	11.517	0.339	11.525	0.351	14.888	-C.059	14.906	-C.104	14.922	-C.160	14.945	-0.248
11.538	0.350	11.563	0.350	11.563	0.346	11.578	0.338	14.966	-0.285	14.983	-C.329	15.000	-C.353	15.023	-0.370
11.591	0.330	11.602	0.318	11.612	0.293	11.624	0.257	15.046	-C.366	15.064	-C.426	15.084	-C.471	15.108	-C.506
11.632	0.293	11.642	0.229	11.656	0.241	11.666	0.265	15.129	-C.131	15.143	-0.055	15.159	-0.021	15.178	C.056
11.676	0.241	11.687	0.306	11.696	0.300	11.705	0.284	15.187	C.136	15.206	0.188	15.225	0.252	15.244	C.292
11.719	0.260	11.731	0.236	11.743	0.216	11.756	0.184	15.257	0.352	15.275	0.424	15.293	C.468	15.307	C.442
11.769	0.155	11.780	0.103	11.793	0.043	11.800	0.007	15.323	0.528	15.343	0.528	15.364	0.504	15.381	C.444
11.808	-0.045	11.814	-0.085	11.825	-0.138	11.840	-0.174	15.402	C.336	15.421	C.260	15.441	C.168	15.455	C.104
11.844	-0.198	11.856	-0.242	11.868	-0.262	11.877	-0.290	15.473	C.044	15.487	-0.044	15.506	-C.143	15.526	-0.251
11.890	-0.314	11.900	-0.326	11.915	-0.346	11.927	-0.354	15.543	-C.331	15.563	-0.439	15.581	-0.515	15.601	-0.591
11.938	-0.375	11.950	-0.399	11.957	-0.411	11.967	-0.455	15.618	-C.655	15.639	-C.711	15.655	-C.735	15.676	-0.682
11.976	-0.487	11.982	-0.519	11.991	-0.563	12.002	-0.603	15.693	-0.630	15.712	-0.544	15.726	-0.446	15.741	-0.382
12.014	-0.631	12.024	-0.643	12.035	-0.643	12.046	-0.627	15.754	-C.318	15.774	-0.249	15.786	-0.157	15.805	-0.113
12.055	-0.583	12.066	-0.523	12.075	-0.475	12.083	-0.395	15.822	-C.013	15.835	0.087	15.852	C.192	15.862	C.292
12.092	-0.319	12.101	-0.251	12.110	-0.191	12.119	-0.143	15.873	C.372	15.885	0.452	15.901	C.536	15.920	C.652
12.130	-0.131	12.143	-0.099	12.154	-0.071	12.169	0.001	15.927	C.664	15.947	C.737	15.964	C.753	15.986	C.757
12.180	0.057	12.194	0.117	12.204	0.165	12.214	0.197	16.010	0.725	16.031	0.661	16.057	C.569	16.084	C.460
12.213	0.421	12.241	0.241	12.252	0.305	12.261	0.353	16.103	C.384	16.115	-C.064	16.140	-C.192	16.156	C.096
12.239	C.589	12.331	0.601	12.345	0.605	12.360	0.613	16.171	C.000	16.182	-C.064	16.197	-C.140	16.213	-C.209
12.374	C.385	12.386	0.541	12.394	0.497	12.405	0.445	16.231	-0.241	16.245	-0.269	16.270	-C.305	16.288	-0.346
12.413	C.385	12.424	0.337	12.437	0.257	12.453	0.265	16.300	-C.359	16.324	-0.438	16.347	-C.454	16.369	-0.423
12.470	0.221	12.482	0.193	12.494	0.161	12.508	0.117	16.390	-C.359	16.401	-C.363	16.416	-C.247	16.433	-0.179
12.517	0.055	12.530	0.013	12.543	-0.048	12.553	-0.108	16.448	-C.139	16.467	-0.080	16.486	-0.024	16.508	C.004
12.565	0.188	12.574	-0.244	12.583	-0.300	12.598	-0.352	16.525	C.056	16.544	C.112	16.560	C.167	16.576	C.215
12.612	-0.384	12.623	-0.392	12.635	-0.376	12.648	-0.368	16.594	C.259	16.603	0.218	16.630	C.279	16.649	C.270
12.679	-0.364	12.679	-0.376	12.695	-0.392	12.713	-0.409	16.669	0.234	16.688	0.214	16.704	C.214	16.728	C.202
12.729	-0.425	12.752	-0.417	12.770	-0.401	12.788	-0.337	16.744	C.158	16.764	0.054	16.787	C.014	16.811	-C.070
12.799	-0.475	12.822	-0.409	12.839	-0.161	12.853	-0.121	16.825	-0.095	16.847	-C.139	16.860	-C.127	16.880	-C.127
12.867	-0.273	12.872	-0.033	12.885	-0.033	12.895	0.071	16.903	-0.111	16.926	-0.151	16.950	-C.191	16.978	-C.219
12.938	0.151	12.953	0.267	12.970	0.267	12.987	0.315	16.953	-C.219	17.015	-C.263	17.042	-C.191	17.065	-C.167
13.007	0.343	13.023	0.363	13.046	0.367	13.063	0.347	17.058	-C.135	17.118	-C.043	17.124	-C.071	17.141	-0.067
13.083	0.315	13.103	0.262	13.122	0.218	13.143	0.186	17.158	-C.039	17.178	-C.043	17.198	-0.059	17.224	-C.064
13.165	0.158	13.190	0.142	13.207	-0.024	13.225	0.113	17.246	-0.067	17.266	-0.036	17.275	-C.028	17.294	-C.004
13.241	C.077	13.258	0.028	13.276	-0.024	13.295	-0.068	17.327	-0.036	17.340	-0.064	17.361	-C.088	17.386	-0.085
13.309	-0.101	13.325	-0.133	13.345	-0.161	13.364	-0.181	17.404	-0.061	17.421	-C.057	17.439	-C.029	17.468	-0.001
13.383	-0.178	13.408	-0.178	13.425	-0.170	13.451	-0.143	17.488	0.027	17.511	C.023	17.533	C.038	17.551	C.050
13.465	-0.055	13.492	-0.043	13.511	-0.020	13.536	-0.024	17.573	C.070	17.588	0.054	17.617	0.134	17.632	0.166
13.557	-0.024	13.575	-0.025	13.593	-0.045	13.616	-0.057	17.659	0.201	17.711	C.149	17.795	0.105	17.818	C.073
13.634	-0.058	13.654	-0.014	13.674	-0.006	13.687	-0.006	17.839	C.041	17.858	-0.003	17.885	-0.059	17.906	-0.087
13.705	-0.038	13.723	-0.062	13.742	-0.102	13.762	-0.130	17.927	-0.115	17.951	-C.143	17.976	-C.183	18.002	-C.219
13.778	-0.171	13.799	-0.171	13.817	-0.187	13.833	-0.203	18.035	-0.224	18.048	-0.204	18.069	-0.168	18.088	-0.092
13.858	-0.215	13.874	-0.203	13.892	-0.187	13.913	-0.183	18.105	-0.025	18.127	C.015	18.144	C.059	18.159	C.083
13.934	-0.163	13.958	-0.127	13.973	-0.091	13.995	-0.075	18.171	0.127	18.192	C.135	18.217	C.190	18.235	C.218
14.008	-0.059	14.025	-0.055	14.041	-0.039	14.058	C.005	18.246	C.254	18.264	C.278	18.285	C.290	18.314	C.274
14.078	0.065	14.085	0.090	14.097	0.198	14.110	0.118	18.336	C.241	18.360	0.157	18.384	C.149	18.405	0.101
14.125	0.154	14.135	0.190	14.154	0.182	14.175	0.154	18.420	0.060	18.453	C.016	18.459	-C.076	18.475	-C.136
14.156	0.110	14.215	0.062	14.236	0.030	14.261	0.007	18.457	-0.168	18.533	-C.191	18.554	-C.211	18.580	-0.211
14.285	-0.021	14.313	-0.061	14.335	-0.113	14.360	-0.153	18.602	-0.155	18.620	-C.167	18.647	-C.183	18.665	-0.122
14.384	-0.181	14.405	-0.224	14.423	-0.276	14.440	-0.312	18.684	-0.074	18.691	-C.014	18.709	C.086	18.729	C.130
14.459	-0.320	14.473	-0.300	14.493	-0.260	14.505	-0.212	18.750	C.150	18.765	C.018	18.775	C.206	18.794	C.206
14.520	-0.156	14.545	-0.116	14.555	-C.072	14.574	-0.048	18.812	C.222	18.827	C.246	18.846	C.263	18.860	C.287



18.873	0.303	18.887	0.319	18.899	0.327	18.911	0.327	23.312	0.271	23.340	0.280	23.368	0.304	23.356	0.298
18.925	0.336	18.936	0.279	18.947	0.247	18.955	0.211	23.429	0.253	23.460	0.213	23.485	0.193	23.518	0.198
18.966	0.171	18.978	0.123	18.990	0.083	19.007	0.043	23.530	0.198	23.565	0.104	23.582	0.120	23.602	0.083
19.023	-0.005	19.046	-0.029	19.061	-0.045	19.079	-0.065	23.628	0.092	23.663	0.104	23.688	0.120	23.690	0.113
19.054	-0.080	19.131	-0.132	19.131	-0.132	19.150	-0.148	23.722	0.057	23.739	0.059	23.763	0.106	23.787	0.122
19.166	-0.156	19.181	-0.156	19.201	-0.150	19.217	-0.119	23.816	0.162	23.867	0.143	23.887	0.131	23.906	0.127
19.234	-0.099	19.246	-0.079	19.262	-0.038	19.279	-0.010	23.937	0.124	23.970	0.116	23.997	0.092	24.021	0.052
19.254	0.018	19.307	0.051	19.327	0.123	19.342	0.123	24.021	0.020	24.104	0.001	24.139	0.031	24.185	-0.059
19.356	0.148	19.378	0.180	19.391	0.192	19.405	0.197	24.221	-0.091	24.265	-0.127	24.293	-0.143	24.368	-0.123
19.418	0.213	19.442	0.253	19.459	0.266	19.475	0.314	24.332	-0.099	24.356	-0.106	24.382	-0.138	24.407	-0.170
19.454	0.322	19.511	0.319	19.527	0.299	19.552	0.281	24.451	-0.162	24.483	-0.138	24.523	0.102	24.555	-0.053
19.567	0.236	19.582	0.217	19.597	0.201	19.610	0.181	24.588	0.013	24.620	0.023	24.651	0.031	24.672	0.040
19.607	0.170	19.635	0.138	19.655	0.098	19.669	0.059	24.656	0.056	24.723	0.060	24.753	0.120	24.771	0.120
19.687	0.007	19.706	-0.028	19.725	-0.064	19.741	-0.088	24.822	0.084	24.855	0.041	24.888	-0.003	24.918	-0.039
19.759	-0.119	19.779	-0.151	19.792	-0.187	19.816	-0.230	24.922	0.095	25.000	-0.115	25.025	-0.139	25.055	-0.191
19.840	-0.262	19.867	-0.265	19.898	-0.257	19.920	-0.248	25.094	-0.223	25.118	-0.215	25.152	-0.175	25.158	-0.179
19.941	-0.228	19.955	-0.208	19.970	-0.183	19.986	-0.155	25.223	-0.175	25.261	-0.147	25.276	-0.111	25.309	-0.095
20.000	-0.131	20.015	-0.098	20.029	-0.070	20.045	-0.022	25.347	-0.078	25.366	-0.070	25.410	-0.038	25.420	-0.026
20.060	0.002	20.065	0.026	20.085	0.050	20.095	0.050	25.446	-0.045	25.476	-0.065	25.515	-0.057	25.542	-0.112
20.107	0.066	20.121	0.078	20.136	0.050	20.149	0.102	25.563	-0.108	25.577	-0.108	25.600	-0.131	25.616	-0.171
20.172	0.110	20.195	0.126	20.215	0.122	20.235	0.114	25.646	-0.203	25.679	-0.154	25.704	-0.178	25.734	-0.169
20.262	0.054	20.283	0.066	20.302	0.038	20.332	-0.014	25.767	-0.169	25.797	-0.172	25.824	-0.168	25.866	-0.151
20.356	-0.038	20.375	-0.066	20.396	-0.082	20.428	-0.094	25.863	-0.127	25.921	-0.109	25.938	-0.086	25.954	-0.090
20.444	-0.058	20.463	-0.110	20.481	-0.134	20.495	-0.150	26.010	-0.101	26.044	-0.109	26.065	-0.108	26.095	-0.100
20.512	-0.126	20.535	-0.169	20.555	-0.165	20.572	-0.142	26.131	-0.099	26.160	-0.136	26.156	-0.146	26.223	-0.133
20.581	-0.129	20.602	-0.112	20.626	-0.112	20.648	-0.124	26.246	-0.133	26.280	-0.126	26.318	-0.111	26.358	-0.090
20.666	-0.124	20.677	-0.115	20.692	-0.107	20.709	-0.075	26.350	-0.077	26.415	-0.061	26.445	-0.012	26.473	-0.009
20.733	-0.043	20.747	-0.014	20.765	-0.022	20.781	-0.030	26.506	0.045	26.538	0.045	26.575	0.049	26.603	0.090
20.755	0.030	20.813	0.034	20.833	0.025	20.844	0.017	26.540	0.134	26.680	0.146	26.720	0.138	26.761	0.166
20.859	-0.013	20.876	-0.005	20.894	-0.016	20.911	-0.032	26.794	0.174	26.805	0.162	26.845	0.130	26.854	0.106
20.921	-0.040	20.932	-0.048	20.948	-0.064	20.964	-0.084	26.905	0.086	26.928	0.058	26.973	0.014	26.956	-0.014
20.980	-0.088	21.001	-0.091	21.011	-0.095	21.028	-0.099	27.025	0.025	27.046	0.049	27.084	-0.009	27.108	-0.104
21.044	-0.119	21.055	-0.147	21.071	-0.159	21.089	-0.195	27.136	-0.128	27.166	-0.128	27.186	-0.103	27.221	-0.095
21.102	-0.202	21.112	-0.222	21.127	-0.234	21.140	-0.246	27.245	-0.059	27.265	-0.038	27.287	-0.002	27.318	0.050
21.157	-0.258	21.169	-0.262	21.191	-0.278	21.198	-0.281	27.327	-0.083	27.355	0.059	27.386	0.111	27.416	0.128
21.206	-0.285	21.213	-0.285	21.235	-0.257	21.259	-0.228	27.439	0.164	27.467	0.188	27.496	0.204	27.531	0.212
21.279	-0.204	21.301	-0.195	21.331	-0.179	21.353	-0.155	27.567	0.193	27.581	0.161	27.606	0.129	27.636	0.085
21.370	-0.135	21.391	-0.107	21.414	-0.063	21.429	-0.015	27.667	0.053	27.701	0.029	27.725	-0.003	27.755	-0.039
21.444	0.017	21.452	0.033	21.470	0.093	21.488	0.033	27.785	-0.076	27.827	-0.098	27.859	-0.082	27.854	-0.066
21.515	0.017	21.545	0.009	21.574	0.003	21.602	0.007	27.875	-0.058	27.956	-0.042	27.915	-0.057	27.938	-0.029
21.628	-0.031	21.653	-0.075	21.669	-0.111	21.695	-0.167	27.963	0.003	27.996	0.062	28.024	0.084	28.062	0.218
21.718	-0.207	21.751	-0.231	21.763	-0.235	21.779	-0.266	28.033	0.129	28.103	0.161	28.136	0.194	28.166	0.218
21.803	-0.254	21.816	-0.306	21.839	-0.302	21.859	-0.281	28.215	0.199	28.243	0.159	28.273	0.164	28.303	0.124
21.885	-0.229	21.916	-0.180	21.938	-0.144	21.962	-0.079	28.281	0.088	28.352	0.064	28.381	0.032	28.421	0.005
21.968	-0.027	22.024	0.062	22.053	0.099	22.068	0.148	28.432	-0.023	28.453	-0.031	28.472	-0.051	28.497	-0.063
22.114	0.205	22.125	0.233	22.148	0.258	22.173	0.243	28.545	0.019	28.644	0.015	28.666	-0.007	28.698	0.009
22.190	0.211	22.217	0.180	22.250	0.133	22.281	0.199	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009
22.309	0.006	22.338	-0.039	22.368	-0.137	22.405	-0.209	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009
22.442	-0.232	22.494	-0.231	22.511	-0.231	22.540	-0.199	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009
22.572	-0.123	22.607	-0.055	22.627	-0.015	22.651	0.025	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009
22.677	0.065	22.703	0.051	22.723	0.093	22.744	0.117	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009
22.776	0.141	22.780	0.153	22.799	0.153	22.828	0.141	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009
22.861	0.169	22.892	0.105	22.922	0.077	22.955	0.029	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009
22.983	-0.015	23.003	-0.007	23.034	0.021	23.057	0.041	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009
23.093	0.053	23.133	0.102	23.149	0.118	23.176	0.150	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009
23.155	0.178	23.221	0.214	23.249	0.250	23.281	0.263	28.629	-0.019	28.644	0.015	28.666	-0.007	28.698	0.009



29.757	-0.177	29.790	-0.217	29.816	-0.229	29.844	-0.204	35.033	-C.100	35.052	-C.120	35.072	-C.123	35.095	-0.127
29.867	-0.200	29.892	-0.200	29.926	-0.184	29.946	-0.156	35.117	-0.119	35.145	-0.123	35.174	-C.111	35.202	-0.103
29.968	-0.115	29.989	-0.099	30.020	-0.071	30.043	-0.059	35.231	-0.054	35.260	-0.074	35.288	-0.057	35.317	-0.033
30.071	-0.051	30.114	-0.059	30.168	-0.067	30.181	-0.083	35.334	-0.021	35.360	-0.012	35.377	-0.004	35.404	0.013
30.217	-0.115	30.240	-0.135	30.271	-0.151	30.305	-0.175	35.415	-0.033	35.433	-0.023	35.453	-0.025	35.484	0.021
30.346	-0.187	30.369	-0.171	30.404	-0.171	30.426	-0.171	35.507	-0.014	35.529	-0.006	35.551	-0.002	35.575	-0.002
30.461	-0.151	30.508	-0.127	30.541	-0.079	30.565	-0.059	35.593	-0.002	35.616	-0.014	35.639	-0.017	35.659	-0.033
30.607	-0.023	30.635	-0.027	30.660	-0.009	30.683	-0.017	35.682	-0.045	35.699	-0.049	35.725	-0.045	35.753	-0.053
30.717	0.041	30.744	0.025	30.794	0.013	30.829	0.009	35.776	-0.059	35.802	-0.045	35.823	-0.029	35.845	-0.033
30.852	0.013	30.879	-0.019	30.904	-0.047	30.935	-0.067	35.868	-0.029	35.896	-0.017	35.940	0.003	35.962	0.003
30.972	-0.035	31.015	-0.029	31.035	-0.039	31.064	-0.027	35.987	-0.029	36.023	-0.023	36.041	0.003	36.066	0.027
31.117	0.005	31.140	0.021	31.183	0.033	31.207	0.033	36.055	0.019	36.122	0.011	36.144	0.003	36.170	-0.001
31.241	0.049	31.266	0.061	31.303	0.069	31.335	0.069	36.191	-0.009	36.215	-0.021	36.242	-0.025	36.263	-0.029
31.371	0.081	31.401	0.073	31.433	0.064	31.450	0.060	36.288	-0.029	36.319	-0.017	36.349	-0.013	36.370	-0.017
31.459	0.072	31.505	0.064	31.547	0.056	31.581	0.052	36.355	-0.021	36.432	-0.010	36.456	-0.002	36.472	-0.022
31.603	0.040	31.635	0.048	31.652	0.036	31.692	0.024	36.456	-0.034	36.520	0.046	36.541	0.054	36.564	0.062
31.720	-0.005	31.739	-0.005	31.774	-0.005	31.797	0.011	36.585	0.030	36.615	0.038	36.630	0.037	36.654	0.041
31.823	-0.004	31.857	-0.005	31.863	-0.005	31.875	-0.005	36.682	-0.041	36.710	-0.036	36.740	-0.020	36.770	0.004
31.880	-0.004	31.886	-0.004	31.901	0.004	31.921	0.001	36.804	-0.009	36.836	-0.013	36.871	-0.021	36.898	-0.022
31.941	0.000	31.959	0.004	31.978	0.007	32.006	0.018	36.917	-0.022	36.953	-0.023	36.989	-0.031	37.036	-0.024
32.025	0.034	32.040	0.037	32.056	0.045	32.077	0.056	37.061	-0.016	37.087	-0.005	37.113	-0.015	37.154	-0.019
32.054	0.044	32.107	0.052	32.131	0.055	32.151	0.062	37.183	-0.006	37.218	-0.007	37.245	-0.003	37.274	-0.019
32.166	0.062	32.184	0.066	32.205	0.069	32.223	0.076	37.303	-0.032	37.327	-0.032	37.355	-0.036	37.382	-0.052
32.244	0.076	32.261	0.072	32.276	0.060	32.289	0.060	37.413	-0.053	37.434	-0.065	37.463	-0.061	37.490	-0.061
32.307	0.052	32.325	0.051	32.343	0.055	32.361	0.055	37.514	-0.053	37.535	-0.046	37.561	-0.026	37.585	-0.010
32.373	0.059	32.389	0.055	32.403	0.059	32.415	0.067	37.614	0.006	37.644	0.030	37.676	0.050	37.706	0.074
32.431	0.063	32.445	0.067	32.466	0.064	32.484	0.060	37.737	0.034	37.763	0.101	37.789	0.113	37.814	0.121
32.500	0.022	32.515	0.026	32.536	0.050	32.551	0.062	37.835	0.129	37.859	0.129	37.883	0.121	37.910	0.109
32.571	0.074	32.583	0.074	32.599	0.070	32.616	0.066	37.936	0.057	37.968	0.072	37.996	0.064	38.023	0.068
32.631	0.062	32.648	0.063	32.660	0.075	32.676	0.083	38.048	0.032	38.070	0.028	38.104	0.015	38.130	0.003
32.690	0.087	32.703	0.087	32.716	0.099	32.732	0.103	38.162	0.003	38.207	0.006	38.244	0.002	38.277	0.005
32.745	0.107	32.757	0.107	32.776	0.099	32.797	0.099	38.309	0.009	38.336	0.017	38.366	0.028	38.391	0.052
32.814	0.100	32.831	0.104	32.844	0.116	32.859	0.128	38.421	0.067	38.447	0.067	38.477	0.067	38.501	0.071
32.876	0.124	32.896	0.124	32.917	0.116	32.940	0.108	38.527	0.079	38.556	0.062	38.584	0.082	38.615	0.082
32.967	0.104	32.986	0.092	33.022	0.080	33.043	0.068	38.638	0.066	38.667	0.066	38.693	0.082	38.720	0.065
33.035	0.060	33.084	0.036	33.115	0.008	33.143	-0.008	38.752	0.053	38.778	0.037	38.802	0.025	38.830	0.013
33.181	-0.008	33.205	-0.012	33.228	-0.024	33.246	-0.037	38.855	0.005	38.881	-0.001	38.906	-0.015	38.927	-0.031
33.258	-0.061	33.275	-0.069	33.296	-0.061	33.319	-0.053	38.964	-0.047	38.993	-0.067	39.016	-0.079	39.038	-0.087
33.344	-0.033	33.367	-0.013	33.387	0.002	33.397	0.006	39.068	-0.087	39.095	-0.059	39.122	-0.103	39.145	-0.099
33.421	0.018	33.442	0.022	33.458	0.030	33.476	0.038	39.170	-0.087	39.192	-0.071	39.213	-0.055	39.234	-0.039
33.492	0.050	33.509	0.062	33.529	0.075	33.541	0.079	39.262	-0.023	39.280	-0.015	39.306	0.016	39.333	0.028
33.558	0.083	33.580	0.087	33.597	0.071	33.618	0.059	39.359	0.030	39.380	0.048	39.405	0.056	39.434	0.064
33.639	0.063	33.661	0.023	33.687	0.011	33.710	-0.005	39.452	0.064	39.483	0.060	39.510	0.048	39.544	0.024
33.738	-0.025	33.761	-0.041	33.786	-0.053	33.811	-0.064	39.565	-0.001	39.587	-0.021	39.622	-0.061	39.646	-0.085
33.836	-0.072	33.855	-0.092	33.886	-0.111	33.916	-0.099	39.673	-0.114	39.696	-0.130	39.719	-0.146	39.746	-0.162
33.938	-0.071	33.960	-0.059	33.990	-0.058	34.016	-0.066	39.772	-0.167	39.793	-0.163	39.817	-0.151	39.845	-0.131
34.040	-0.057	34.065	-0.041	34.095	-0.021	34.124	-0.009	39.867	-0.103	39.885	-0.071	39.909	-0.052	39.930	-0.020
34.154	-0.017	34.184	-0.029	34.217	-0.041	34.247	-0.050	39.956	0.011	39.986	0.043	40.014	0.071	40.038	0.090
34.274	-0.066	34.297	-0.082	34.321	-0.094	34.343	-0.102	40.064	0.094	40.090	0.113	40.114	0.113	40.131	0.105
34.365	-0.106	34.394	-0.123	34.415	-0.132	34.431	-0.136	40.157	0.056	40.186	0.060	40.205	0.035	40.236	-0.001
34.457	-0.129	34.483	-0.122	34.505	-0.110	34.536	-0.099	40.259	-0.026	40.287	-0.051	40.313	-0.087	40.334	-0.108
34.563	-0.092	34.583	-0.085	34.608	-0.049	34.642	-0.014	40.359	-0.124	40.394	-0.125	40.423	-0.125	40.446	-0.126
34.668	0.017	34.685	0.021	34.701	0.016	34.728	0.016	40.474	-0.115	40.514	-0.063	40.545	-0.052	40.571	-0.024
34.752	0.027	34.777	0.055	34.794	0.062	34.808	0.062	40.554	-0.004	40.617	0.019	40.636	0.019	40.661	0.019
34.832	0.054	34.856	0.037	34.883	0.020	34.918	0.000	40.701	0.018	40.730	0.006	40.757	-0.002	40.782	-0.034
34.944	-0.020	34.962	-0.040	34.984	-0.060	35.006	-0.064	40.808	-0.070	40.831	-0.106	40.852	-0.134	40.874	-0.158



40.894	-0.166	40.917	-0.178	40.936	-0.186	40.956	-0.202	47.546	-0.018	47.587	-0.010	47.630	-0.005	47.661	-0.009
40.972	-0.202	41.002	-0.206	41.031	-0.198	41.057	-0.186	47.710	-0.017	47.763	-0.028	47.825	-0.032	47.880	-0.028
41.089	-0.138	41.103	-0.138	41.134	-0.057	41.167	-0.053	47.920	-0.011	47.967	-0.011	48.015	-0.018	48.061	0.005
41.200	-0.013	41.234	0.012	41.257	0.028	41.281	0.044	48.106	0.010	48.153	0.014	48.199	0.018	48.237	0.015
41.304	0.052	41.330	0.056	41.358	0.044	41.392	0.021	48.272	0.015	48.312	0.023	48.357	0.028	48.402	0.040
41.426	0.052	41.468	-0.003	41.500	-0.015	41.529	0.030	48.444	0.053	48.482	0.065	48.521	0.066	48.556	0.074
41.554	-0.030	41.593	-0.020	41.633	-0.010	41.655	0.003	48.601	0.074	48.625	0.067	48.657	0.055	48.685	0.043
41.683	0.019	41.701	0.035	41.750	0.063	41.804	0.088	48.714	0.028	48.743	0.012	48.769	0.000	48.794	-0.008
41.860	0.108	41.913	0.133	41.960	0.121	42.031	0.106	48.817	-0.015	48.844	-0.019	48.867	-0.023	48.886	-0.027
42.068	0.094	42.102	0.094	42.118	0.074	42.151	0.091	48.911	-0.022	48.944	-0.026	48.977	-0.018	49.001	-0.005
42.184	0.075	42.205	0.075	42.235	0.076	42.266	0.076	49.024	0.015	49.045	0.015	49.069	0.024	49.098	0.036
42.301	0.081	42.330	0.077	42.351	0.073	42.365	0.077	49.128	0.036	49.148	0.032	49.168	0.032	49.187	0.025
42.429	0.078	42.475	0.083	42.526	0.075	42.565	0.059	49.213	0.025	49.247	0.011	49.254	-0.007	49.286	-0.019
42.610	0.043	42.658	0.035	42.657	0.011	42.749	0.008	49.323	0.030	49.331	-0.038	49.370	-0.054	49.382	-0.054
42.751	0.008	42.754	0.007	42.756	0.006	42.759	0.006	49.428	-0.053	49.465	-0.053	49.503	-0.049	49.526	-0.037
42.809	-0.015	42.859	-0.023	42.897	-0.023	42.937	0.035	49.547	-0.032	49.555	-0.028	49.584	-0.028	49.558	-0.028
42.905	-0.019	42.942	-0.003	42.971	0.005	43.000	0.022	49.633	0.012	49.654	-0.012	49.666	0.001	49.716	0.013
43.025	0.038	43.058	0.050	43.089	0.066	43.118	0.078	49.748	0.009	49.784	0.010	49.822	0.006	49.849	0.006
43.143	0.052	43.166	0.078	43.156	0.074	43.225	0.066	49.875	0.002	49.903	-0.014	49.927	-0.033	49.955	-0.061
43.263	0.054	43.291	0.038	43.315	0.010	43.338	-0.006	49.977	0.033	50.007	-0.045	50.040	-0.053	50.076	-0.061
43.357	-0.021	43.382	-0.041	43.402	-0.061	43.421	-0.073	50.117	-0.065	50.143	-0.063	50.173	-0.049	50.203	-0.045
43.445	-0.031	43.472	-0.093	43.485	-0.089	43.503	-0.101	50.238	-0.041	50.276	-0.032	50.292	-0.028	50.316	-0.024
43.521	-0.105	43.534	-0.113	43.553	-0.109	43.574	-0.101	50.336	-0.020	50.361	-0.000	50.384	-0.000	50.410	0.008
43.589	-0.057	43.605	-0.084	43.631	-0.076	43.639	-0.068	50.434	0.012	50.463	0.016	50.495	0.028	50.520	0.028
43.661	-0.060	43.684	-0.044	43.704	-0.036	43.728	-0.024	50.547	0.032	50.574	0.044	50.600	0.048	50.629	0.048
43.777	-0.012	43.777	-0.012	43.808	-0.008	43.833	-0.012	50.642	0.052	50.664	0.053	50.702	0.053	50.757	0.057
43.874	-0.027	43.901	-0.043	43.931	-0.063	43.958	-0.091	50.802	0.057	50.886	0.045	51.016	0.037	51.106	0.025
43.990	-0.119	44.017	-0.143	44.037	-0.155	44.166	-0.163	51.139	0.052	51.184	0.018	51.231	0.026	51.277	0.018
44.088	-0.171	44.106	-0.175	44.130	-0.178	44.146	-0.170	51.340	0.066	51.367	-0.014	51.446	-0.034	51.516	0.046
44.165	-0.174	44.182	-0.174	44.204	-0.166	44.230	-0.150	51.601	0.046	51.642	-0.022	51.665	-0.014	51.755	0.011
44.282	-0.058	44.318	-0.070	44.348	-0.038	44.378	-0.030	51.757	0.015	51.838	0.031	51.901	0.015	51.993	-0.021
44.412	-0.021	44.435	-0.017	44.462	-0.009	44.490	-0.005	52.022	-0.041	52.068	-0.057	52.107	-0.069	52.167	-0.085
44.524	-0.001	44.537	-0.005	44.556	-0.017	44.577	-0.029	52.238	-0.093	52.256	-0.065	52.378	-0.069	52.416	-0.065
44.599	-0.059	44.620	-0.061	44.644	-0.069	44.660	-0.077	52.467	-0.055	52.496	-0.061	52.600	-0.045	52.658	-0.025
44.680	-0.077	44.700	-0.081	44.720	-0.085	44.741	-0.093	52.844	-0.055	52.952	-0.029	52.956	-0.041	52.964	-0.045
44.760	-0.093	44.775	-0.084	44.800	-0.080	44.823	-0.064	52.971	-0.045	52.980	-0.045	52.996	-0.048	53.015	-0.048
44.847	-0.052	44.869	-0.044	44.856	-0.032	44.930	-0.020	53.034	-0.043	53.055	-0.038	53.055	-0.033	53.108	-0.024
44.957	-0.008	44.975	-0.004	45.003	0.008	45.022	0.020	53.128	-0.019	53.145	-0.015	53.171	-0.015	53.194	-0.015
45.045	0.020	45.067	0.028	45.102	0.028	45.157	0.028	53.215	-0.015	53.237	-0.015	53.253	-0.015	53.265	-0.014
45.184	0.024	45.220	0.016	45.256	0.012	45.297	0.020	53.287	-0.014	53.306	-0.014	53.324	-0.010	53.336	-0.010
45.336	0.020	45.372	0.032	45.398	0.048	45.429	0.056	53.350	-0.006	53.362	-0.010	53.383	-0.018	53.405	-0.029
45.462	0.060	45.504	0.076	45.534	0.080	45.559	0.092	53.432	-0.029	53.455	-0.029	53.480	-0.029	53.501	-0.028
45.602	0.100	45.633	0.100	45.658	0.100	45.686	0.088	53.520	-0.024	53.543	-0.023	53.564	-0.027	53.582	-0.027
45.719	0.080	45.751	0.068	45.787	0.064	45.818	0.060	53.600	-0.022	53.622	-0.018	53.645	-0.005	53.666	0.007
45.851	0.060	45.881	0.060	45.911	0.068	45.941	0.068	53.651	0.016	53.718	0.021	53.743	0.021	53.764	0.029
45.977	0.057	46.012	0.075	46.053	0.083	46.086	0.087	53.792	0.042	53.826	0.046	53.855	0.059	53.883	0.063
46.125	0.083	46.161	0.083	46.193	0.063	46.233	0.043	53.910	0.008	53.947	0.068	53.967	0.068	53.990	0.065
46.267	0.035	46.301	0.019	46.334	-0.001	46.362	-0.006	54.016	0.001	54.046	0.012	54.074	0.044	54.098	0.028
46.405	0.010	46.447	-0.030	46.510	-0.038	46.571	-0.046	54.133	0.011	54.155	0.007	54.185	0.003	54.210	-0.002
46.627	-0.046	46.681	-0.050	46.727	-0.058	46.761	-0.066	54.239	-0.006	54.258	-0.006	54.284	-0.011	54.305	-0.015
46.806	-0.052	46.844	-0.074	46.881	-0.094	46.918	-0.114	54.323	-0.015	54.347	0.005	54.371	0.016	54.398	0.020
46.953	-0.122	46.988	-0.130	47.018	-0.142	47.047	-0.150	54.422	0.024	54.455	0.035	54.482	0.051	54.509	0.063
47.079	-0.150	47.102	-0.154	47.125	-0.158	47.147	-0.154	54.532	0.075	54.556	0.083	54.580	0.087	54.602	0.092
47.181	-0.150	47.212	-0.138	47.242	-0.122	47.274	-0.118	54.629	0.036	54.652	0.056	54.666	0.092	54.705	0.080
47.304	-0.098	47.340	-0.082	47.364	-0.070	47.391	-0.066	54.629	0.036	54.652	0.056	54.666	0.092	54.705	0.080
47.419	-0.050	47.445	-0.040	47.475	-0.030	47.508	-0.018	54.659	0.053	54.685	0.041	54.712	0.033	54.737	0.025



54.962	0.021	54.991	0.009	55.020	0.001	55.048	0.005	61.993	-0.007	62.021	0.000	62.047	0.012	62.075	0.028
55.076	0.005	55.108	0.009	55.137	0.013	55.175	0.013	62.107	0.031	62.145	0.043	62.181	0.042	62.207	0.042
55.209	0.013	55.236	0.013	55.267	0.013	55.301	0.017	62.238	0.050	62.266	0.050	62.288	0.046	62.310	0.042
55.337	0.021	55.378	0.021	55.405	0.021	55.434	0.021	62.339	0.038	62.359	0.037	62.390	0.037	62.407	0.037
55.456	0.021	55.482	0.017	55.511	0.013	55.540	0.006	62.431	0.037	62.464	0.037	62.494	0.033	62.539	0.037
55.571	0.005	55.603	0.002	55.638	-0.006	55.673	-0.006	62.537	0.045	62.564	0.049	62.606	0.053	62.639	0.061
55.708	-0.006	55.739	-0.006	55.772	-0.006	55.810	-0.006	62.669	0.065	62.696	0.073	62.722	0.077	62.752	0.081
55.834	-0.002	55.867	-0.011	55.909	0.007	55.946	0.007	62.783	0.081	62.812	0.073	62.842	0.074	62.871	0.072
55.964	0.003	55.994	0.009	56.025	-0.017	56.061	-0.025	62.858	0.062	62.920	0.054	62.943	0.050	62.969	0.042
56.087	0.029	56.118	-0.036	56.155	-0.040	56.193	-0.044	62.992	0.038	63.029	0.030	63.061	0.022	63.094	0.023
56.231	-0.048	56.270	-0.032	56.302	-0.051	56.333	-0.051	63.133	0.023	63.145	0.027	63.167	0.058	63.214	0.039
56.355	-0.051	56.393	-0.043	56.427	-0.034	56.477	-0.022	63.245	0.043	63.273	0.050	63.312	0.058	63.345	0.066
56.507	-0.018	56.537	-0.018	56.566	-0.018	56.599	-0.022	63.376	0.065	63.400	0.065	63.428	0.065	63.445	0.064
56.635	-0.027	56.676	-0.031	56.712	-0.043	56.742	-0.055	63.470	0.060	63.495	0.055	63.536	0.050	63.558	0.046
56.786	-0.064	56.820	-0.068	56.862	-0.065	56.893	-0.089	63.591	0.045	63.618	0.040	63.639	0.032	63.671	0.031
56.924	-0.089	56.948	-0.086	56.974	-0.086	57.013	-0.078	63.701	0.026	63.732	0.024	63.760	0.017	63.791	0.016
57.041	-0.062	57.072	-0.046	57.101	-0.039	57.133	-0.023	63.810	0.024	63.843	0.024	63.871	0.019	63.897	0.019
57.166	-0.007	57.207	0.001	57.235	0.005	57.265	0.013	63.912	0.015	63.933	0.011	63.948	0.011	63.965	0.015
57.258	0.005	57.332	0.009	57.363	-0.002	57.391	-0.014	63.981	0.023	63.956	0.015	64.010	0.015	64.028	0.015
57.424	-0.030	57.461	-0.045	57.503	-0.058	57.540	-0.065	64.040	0.015	64.057	0.015	64.081	0.016	64.100	0.016
57.569	-0.053	57.590	-0.045	57.620	-0.036	57.644	-0.024	64.112	0.012	64.125	0.012	64.147	0.008	64.164	0.008
57.670	-0.012	57.698	-0.003	57.727	0.017	57.753	0.029	64.191	0.004	64.225	0.004	64.225	0.004	64.251	0.004
57.780	0.046	57.819	0.062	57.857	0.063	57.896	0.068	64.270	0.000	64.291	0.000	64.314	0.000	64.336	0.000
57.922	0.055	57.949	0.056	57.974	0.048	57.999	0.040	64.350	0.000	64.370	0.000	64.390	0.000	64.404	0.001
58.038	0.032	58.063	0.020	58.090	0.012	58.117	0.017	64.422	0.009	64.435	0.013	64.455	0.017	64.477	0.021
58.146	0.021	58.178	0.021	58.204	0.017	58.228	0.029	64.454	0.021	64.512	0.025	64.532	0.025	64.545	0.029
58.255	0.037	58.285	0.057	58.309	0.061	58.342	0.077	64.567	0.029	64.567	0.029	64.583	0.029	64.624	0.025
58.370	0.089	58.410	0.101	58.447	0.105	58.482	0.105	64.640	0.017	64.662	0.009	64.683	0.009	64.706	0.005
58.512	0.097	58.543	0.089	58.570	0.080	58.594	0.068	64.724	0.001	64.743	0.002	64.760	0.002	64.778	-0.010
58.619	0.064	58.642	0.048	58.682	0.047	58.716	0.043	64.795	-0.018	64.822	-0.022	64.838	-0.022	64.861	-0.026
58.758	0.039	58.790	0.034	58.811	0.038	58.842	0.050	64.876	-0.026	64.892	-0.030	64.908	-0.030	64.928	-0.030
58.874	0.053	58.904	0.065	58.935	0.081	58.973	0.104	64.947	-0.030	64.965	-0.030	64.981	-0.030	64.998	-0.030
59.010	0.108	59.052	0.168	59.098	0.108	59.147	0.093	65.012	-0.030	65.030	-0.022	65.051	-0.018	65.075	-0.017
59.188	0.081	59.218	0.065	59.253	0.053	59.278	0.038	65.095	-0.017	65.108	-0.021	65.132	-0.021	65.150	-0.021
59.318	0.023	59.348	0.007	59.380	-0.004	59.417	-0.024	65.165	-0.021	65.164	-0.021	65.205	-0.029	65.219	-0.043
59.452	-0.023	59.482	-0.019	59.508	-0.015	59.550	0.011	65.241	-0.037	65.259	-0.041	65.280	-0.041	65.295	-0.045
59.574	-0.003	59.602	0.006	59.622	0.018	59.653	0.022	65.313	-0.045	65.336	-0.045	65.362	-0.046	65.389	-0.050
59.680	0.026	59.709	0.026	59.734	0.030	59.758	0.034	65.404	-0.050	65.428	-0.054	65.450	-0.054	65.470	-0.054
59.781	0.030	59.805	0.029	59.835	0.029	59.853	0.025	65.487	-0.050	65.517	-0.046	65.531	-0.043	65.546	-0.043
59.878	0.021	59.922	-0.008	59.964	-0.020	60.003	-0.036	65.565	-0.031	65.592	-0.027	65.609	-0.028	65.626	-0.024
60.035	-0.052	60.068	-0.056	60.094	-0.037	60.127	-0.033	65.646	-0.020	65.662	-0.016	65.679	-0.008	65.706	-0.001
60.152	-0.053	60.177	-0.049	60.200	-0.037	60.228	-0.033	65.731	-0.001	65.754	-0.005	65.775	-0.009	65.800	-0.014
60.265	-0.025	60.284	-0.021	60.307	-0.013	60.336	-0.005	65.816	-0.014	65.836	-0.010	65.859	-0.010	65.889	-0.010
60.368	-0.001	60.394	0.007	60.418	0.007	60.442	0.007	65.912	-0.015	65.927	-0.019	65.953	-0.023	65.970	-0.023
60.465	0.007	60.482	0.003	60.505	-0.001	60.527	-0.001	65.951	-0.023	66.014	-0.023	66.035	-0.023	66.066	-0.023
60.561	-0.013	60.600	-0.025	60.634	-0.033	60.673	-0.033	66.094	-0.019	66.112	-0.019	66.132	-0.019	66.153	-0.015
60.705	-0.037	60.741	-0.037	60.761	-0.033	60.791	-0.025	66.178	-0.011	66.199	-0.011	66.215	-0.007	66.242	-0.011
60.815	-0.013	60.838	-0.009	60.872	-0.001	60.896	0.011	66.259	-0.011	66.280	-0.011	66.301	-0.007	66.326	-0.007
60.926	0.015	60.950	0.015	60.977	0.015	61.009	0.015	66.342	-0.012	66.360	-0.016	66.383	-0.024	66.408	-0.032
61.033	0.011	61.065	0.007	61.094	-0.017	61.129	0.032	66.426	-0.028	66.446	-0.028	66.469	-0.032	66.485	-0.032
61.165	-0.040	61.200	-0.048	61.224	-0.060	61.248	-0.068	66.504	-0.040	66.526	-0.036	66.549	-0.035	66.572	-0.035
61.267	-0.080	61.317	-0.084	61.359	-0.084	61.385	-0.071	66.591	-0.031	66.607	-0.031	66.632	-0.027	66.650	-0.023
61.424	-0.067	61.461	-0.059	61.500	-0.043	61.550	-0.031	66.674	-0.022	66.703	-0.022	66.732	-0.018	66.751	-0.018
61.582	-0.019	61.612	-0.020	61.648	-0.020	61.687	-0.016	66.776	-0.009	66.798	-0.005	66.829	0.003	66.859	0.008
61.712	-0.024	61.755	-0.028	61.787	-0.037	61.826	-0.037	66.875	0.012	66.897	0.008	66.920	0.006	66.936	0.008
61.866	-0.038	61.895	-0.038	61.927	-0.030	61.963	-0.019	66.957	0.009	66.982	0.013	67.004	0.013	67.023	0.013



67.046	0.013	67.067	0.021	67.056	0.021	67.119	0.020	72.672	-0.011	72.659	-0.015	72.722	-0.022	72.744	-0.030
67.143	0.020	67.165	0.024	67.195	0.024	67.220	0.028	72.770	-0.034	72.752	-0.034	72.817	-0.034	72.853	-0.038
67.246	0.028	67.271	0.032	67.290	0.040	67.315	0.044	72.887	-0.034	72.912	-0.034	72.948	-0.034	72.975	-0.038
67.330	0.052	67.347	0.060	67.366	0.063	67.401	0.067	73.007	-0.030	73.033	-0.030	73.071	-0.029	73.108	-0.029
67.425	0.071	67.451	0.079	67.476	0.095	67.498	0.095	73.128	-0.025	73.146	-0.021	73.178	-0.020	73.209	-0.020
67.521	0.095	67.550	0.090	67.580	0.090	67.619	0.082	73.239	-0.016	73.271	-0.015	73.300	-0.023	73.319	-0.022
67.646	0.070	67.664	0.065	67.684	0.053	67.717	0.041	73.351	-0.030	73.381	-0.033	73.405	-0.033	73.449	-0.032
67.742	0.037	67.771	0.032	67.786	0.028	67.802	0.028	73.478	-0.027	73.504	-0.027	73.543	-0.031	73.564	-0.031
67.821	0.024	67.842	0.024	67.861	0.027	67.883	0.031	73.600	-0.022	73.630	-0.014	73.656	-0.010	73.682	0.002
67.901	0.035	67.923	0.035	67.944	0.034	67.961	0.034	73.716	0.022	73.742	0.024	73.772	0.025	73.803	0.021
67.981	0.042	67.956	0.046	68.014	0.050	68.035	0.050	73.836	0.035	73.865	0.024	73.891	0.044	73.914	0.044
68.059	0.054	68.080	0.054	68.103	0.050	68.125	0.046	73.944	0.035	73.969	0.027	73.958	0.019	74.025	0.022
68.142	0.034	68.161	0.042	68.184	0.042	68.206	0.042	74.046	0.018	74.067	0.014	74.066	0.014	74.115	0.005
68.226	0.034	68.245	0.030	68.270	0.026	68.291	0.014	74.146	0.018	74.163	0.021	74.155	0.021	74.211	0.028
68.318	0.002	68.346	-0.006	68.360	-0.006	68.381	-0.010	74.228	0.028	74.253	0.036	74.273	0.044	74.295	0.052
68.399	-0.006	68.415	-0.002	68.432	0.002	68.453	0.006	74.309	0.056	74.327	0.056	74.350	0.064	74.370	0.068
68.473	0.002	68.498	-0.002	68.520	-0.006	68.542	-0.007	74.394	0.068	74.409	0.076	74.435	0.076	74.454	0.075
68.560	0.001	68.578	0.001	68.602	0.005	68.624	0.005	74.474	0.071	74.491	0.067	74.510	0.063	74.527	0.051
68.658	0.005	68.684	0.000	68.709	0.000	68.742	0.000	74.547	0.047	74.558	0.047	74.572	0.043	74.585	0.033
68.780	-0.012	68.804	-0.016	68.831	-0.020	68.852	-0.015	74.605	0.025	74.618	0.028	74.629	0.024	74.637	0.024
68.878	-0.019	68.903	-0.027	68.928	-0.031	68.959	-0.031	74.644	0.024	74.662	0.024	74.677	0.015	74.653	0.019
68.974	-0.031	68.994	-0.031	69.014	-0.027	69.036	-0.023	74.702	0.019	74.716	0.011	74.729	0.011	74.748	0.015
69.070	-0.022	69.056	-0.022	69.126	-0.018	69.147	-0.010	74.763	0.007	74.775	0.007	74.788	0.007	74.796	0.007
69.170	-0.005	69.195	-0.005	69.229	-0.001	69.257	-0.001	74.814	0.020	74.832	0.028	74.850	0.028	74.871	0.024
69.280	0.003	69.300	0.003	69.321	0.011	69.348	0.014	74.889	0.028	74.902	0.032	74.925	0.029	74.944	0.037
69.315	0.018	69.405	0.018	69.423	0.014	69.442	0.014	74.957	0.033	74.970	0.033	74.985	0.041	75.008	0.037
69.465	0.010	69.485	0.010	69.509	0.006	69.536	0.010	75.029	0.049	75.052	0.037	75.072	0.041	75.101	0.054
69.557	0.010	69.575	0.010	69.558	0.010	69.622	0.002	75.127	0.046	75.157	0.050	75.174	0.046	75.195	0.042
69.649	-0.002	69.672	-0.006	69.656	-0.006	69.721	-0.006	75.207	0.042	75.231	0.050	75.250	0.048	75.264	0.042
69.742	-0.002	69.767	-0.006	69.803	-0.009	69.827	-0.009	75.289	0.041	75.315	0.043	75.342	0.040	75.371	0.044
69.861	-0.005	69.877	-0.005	69.908	-0.005	69.940	-0.008	75.405	0.041	75.428	0.041	75.450	0.038	75.468	0.026
69.952	-0.008	69.967	-0.012	70.002	-0.012	70.030	-0.012	75.492	0.026	75.527	0.027	75.548	0.027	75.566	0.027
70.060	-0.012	70.092	-0.012	70.116	-0.015	70.134	-0.023	75.592	0.027	75.613	0.028	75.628	0.024	75.645	0.016
70.161	-0.031	70.189	-0.031	70.219	-0.023	70.249	-0.019	75.674	0.000	75.701	0.009	75.730	0.009	75.765	0.017
70.282	-0.015	70.316	-0.023	70.340	-0.015	70.358	-0.012	75.799	0.000	75.836	0.013	75.877	0.010	75.856	0.002
70.366	-0.008	70.415	-0.008	70.446	-0.008	70.478	-0.008	76.077	-0.005	76.103	-0.005	76.140	-0.005	76.179	-0.008
70.508	-0.004	70.541	-0.000	70.572	0.003	70.600	0.003	76.226	-0.008	76.247	-0.016	76.278	-0.032	76.304	-0.036
70.643	0.003	70.670	0.006	70.697	0.006	70.738	0.018	76.346	-0.040	76.369	-0.035	76.417	-0.031	76.445	-0.035
70.766	0.014	70.791	0.014	70.827	0.014	70.858	0.018	76.492	-0.059	76.533	-0.051	76.583	-0.043	76.608	-0.051
70.884	0.017	70.914	0.017	70.934	0.017	70.960	0.017	76.637	-0.055	76.667	-0.051	76.708	-0.035	76.756	-0.031
70.951	0.017	71.015	0.009	71.037	0.001	71.063	0.001	76.777	-0.059	76.825	-0.055	76.878	-0.056	76.911	-0.060
71.084	0.005	71.114	0.005	71.148	0.009	71.166	0.001	76.936	-0.068	76.965	-0.072	76.995	-0.080	77.054	-0.034
71.198	-0.007	71.227	-0.007	71.258	0.001	71.284	0.005	77.118	-0.061	77.146	-0.069	77.199	-0.069	77.214	-0.073
71.307	0.017	71.336	0.021	71.359	0.022	71.380	0.022	77.228	-0.061	77.244	-0.053	77.271	-0.049	77.258	-0.041
71.395	0.022	71.421	0.026	71.448	0.034	71.484	0.034	77.311	-0.049	77.331	-0.045	77.352	-0.041	77.367	-0.040
71.506	0.034	71.530	0.034	71.556	0.039	71.583	0.039	77.390	-0.040	77.410	-0.032	77.433	-0.020	77.448	-0.028
71.601	0.043	71.624	0.043	71.648	0.039	71.663	0.039	77.462	-0.028	77.473	-0.032	77.466	-0.032	77.499	-0.032
71.689	0.036	71.712	0.028	71.742	0.028	71.776	0.028	77.514	-0.032	77.530	-0.022	77.546	-0.028	77.562	-0.023
71.800	0.024	71.831	0.024	71.861	0.020	71.889	0.020	77.575	-0.028	77.585	-0.032	77.593	-0.028	77.605	-0.023
71.927	0.020	71.950	0.020	71.983	0.020	72.011	0.015	77.615	-0.027	77.623	-0.027	77.626	-0.027	77.641	-0.027
72.030	0.016	72.063	0.016	72.095	0.015	72.121	0.019	77.651	-0.027	77.667	-0.031	77.680	-0.035	77.693	-0.031
72.156	0.023	72.176	0.023	72.203	0.019	72.230	0.015	77.705	-0.031	77.723	-0.019	77.747	-0.027	77.762	-0.019
72.247	0.015	72.273	0.020	72.293	0.020	72.319	0.020	77.776	-0.031	77.757	-0.031	77.815	-0.031	77.828	-0.035
72.350	0.025	72.369	0.029	72.358	0.021	72.429	0.013	77.847	-0.027	77.865	-0.031	77.892	-0.031	77.908	-0.023
72.461	0.010	72.487	0.014	72.511	0.015	72.540	0.011	77.928	-0.027	77.943	-0.031	77.958	-0.023	77.973	-0.027
72.561	0.007	72.588	-0.004	72.614	-0.008	72.643	-0.015								



77.989	-0.027	78.006	-0.027	78.024	-0.027	78.036	-0.023	82.684	-0.007	82.706	0.001	82.730	-0.003	82.762	-0.007
78.057	-0.023	78.078	-0.015	78.091	-0.019	78.112	-0.011	82.783	-0.007	82.802	-0.015	82.828	-0.015	82.848	-0.015
78.125	-0.015	78.136	-0.011	78.159	-0.007	78.181	-0.003	82.866	-0.015	82.882	-0.007	82.915	-0.015	82.942	-0.027
78.159	-0.003	78.215	-0.007	78.235	-0.003	78.253	-0.015	82.965	-0.027	82.986	-0.023	83.011	-0.035	83.037	-0.023
78.271	-0.003	78.291	0.006	78.312	0.010	78.327	0.014	83.063	-0.027	83.090	-0.031	83.117	-0.038	83.140	-0.038
78.345	0.006	78.365	0.006	78.388	0.010	78.408	0.006	83.165	-0.038	83.190	-0.034	83.215	-0.034	83.241	-0.022
78.425	0.019	78.446	0.019	78.464	0.019	78.484	0.027	83.266	-0.026	83.285	-0.035	83.317	-0.031	83.338	-0.019
78.508	0.023	78.533	0.028	78.560	0.028	78.582	0.028	83.361	-0.011	83.382	-0.011	83.411	-0.012	83.440	0.004
78.607	0.037	78.629	0.049	78.642	0.049	78.663	0.057	83.470	-0.000	83.502	0.000	83.522	0.000	83.548	0.004
78.686	0.050	78.705	0.046	78.722	0.050	78.746	0.054	83.572	0.048	83.596	0.048	83.623	0.009	83.645	0.005
78.768	0.054	78.790	0.059	78.810	0.059	78.828	0.051	83.666	0.005	83.695	0.005	83.726	-0.003	83.744	0.005
78.843	0.059	78.856	0.055	78.872	0.059	78.892	0.055	83.769	0.001	83.796	0.010	83.811	0.006	83.830	-0.006
78.907	0.051	78.924	0.060	78.942	0.056	78.959	0.056	83.844	-0.002	83.860	0.012	83.881	0.010	83.896	0.006
78.975	0.064	78.994	0.052	79.012	0.052	79.038	0.056	83.908	0.006	83.930	0.015	83.954	0.003	83.972	0.011
79.062	0.052	79.087	0.056	79.110	0.041	79.131	0.049	83.959	0.003	84.017	-0.006	84.032	-0.006	84.054	0.002
79.135	0.053	79.154	0.053	79.167	0.037	79.181	0.045	84.077	-0.006	84.055	-0.014	84.111	-0.007	84.132	-0.003
79.203	0.045	79.226	0.041	79.237	0.045	79.248	0.041	84.146	-0.007	84.163	-0.003	84.182	-0.015	84.202	-0.016
79.264	0.037	79.275	0.025	79.290	0.008	79.307	0.016	84.221	-0.016	84.237	-0.020	84.257	-0.012	84.275	-0.008
79.324	0.016	79.341	0.008	79.361	0.016	79.376	0.012	84.293	-0.001	84.313	-0.001	84.330	-0.013	84.348	-0.013
79.400	0.016	79.421	0.015	79.445	0.011	79.473	0.015	84.366	0.003	84.377	0.002	84.397	0.002	84.418	0.010
79.499	0.023	79.535	0.010	79.567	0.030	79.599	0.034	84.446	0.006	84.470	0.013	84.492	-0.003	84.519	0.013
79.626	0.021	79.656	0.017	79.682	0.005	79.709	0.012	84.543	0.017	84.563	0.013	84.581	0.005	84.602	0.001
79.743	0.032	79.773	0.000	79.801	-0.004	79.829	-0.016	84.623	0.004	84.648	0.000	84.671	-0.004	84.698	-0.004
79.859	-0.023	79.892	-0.023	79.917	-0.023	79.945	-0.027	84.724	-0.004	84.746	-0.004	84.771	-0.005	84.790	-0.013
79.979	-0.031	80.006	-0.042	80.030	-0.042	80.057	-0.039	84.804	-0.017	84.828	-0.006	84.855	-0.018	84.880	-0.015
80.088	-0.036	80.114	-0.039	80.135	-0.038	80.154	-0.034	84.902	-0.007	84.925	-0.015	84.948	-0.024	84.971	-0.012
80.180	-0.033	80.203	-0.024	80.230	-0.019	80.253	-0.018	84.990	-0.016	85.017	-0.009	85.039	-0.013	85.062	-0.012
80.280	-0.018	80.306	-0.013	80.333	-0.020	80.358	-0.007	85.079	-0.017	85.094	-0.014	85.108	-0.014	85.127	-0.006
80.365	-0.010	80.408	-0.017	80.435	0.003	80.457	0.000	85.141	-0.006	85.152	-0.006	85.165	-0.002	85.181	-0.003
80.483	-0.011	80.504	-0.011	80.528	-0.003	80.557	-0.018	85.192	-0.007	85.207	-0.011	85.216	-0.011	85.230	-0.011
80.589	-0.030	80.617	-0.026	80.637	-0.021	80.663	-0.021	85.243	-0.007	85.258	-0.008	85.269	-0.008	85.280	-0.004
80.692	-0.021	80.715	-0.003	80.743	-0.021	80.764	-0.013	85.256	0.000	85.306	-0.008	85.319	-0.006	85.336	-0.006
80.790	-0.005	80.815	-0.013	80.843	-0.005	80.866	-0.013	85.337	0.004						
80.882	-0.001	80.905	-0.001	80.939	-0.013	80.971	0.003								
80.993	-0.001	81.014	-0.014	81.034	-0.010	81.053	-0.010								
81.076	-0.010	81.103	-0.018	81.133	-0.026	81.153	-0.023								
81.176	-0.027	81.196	-0.023	81.214	-0.031	81.229	-0.027								
81.253	-0.032	81.276	-0.024	81.302	-0.028	81.321	-0.017								
81.343	-0.021	81.363	-0.013	81.390	-0.014	81.410	-0.010								
81.434	-0.007	81.445	-0.003	81.465	-0.003	81.475	-0.003								
81.490	0.005	81.511	0.001	81.529	0.005	81.547	0.004								
81.555	0.004	81.575	0.004	81.590	0.004	81.608	0.004								
81.622	-0.004	81.638	-0.000	81.661	-0.005	81.678	-0.005								
81.698	-0.005	81.713	-0.005	81.728	-0.021	81.743	-0.001								
81.758	-0.005	81.777	-0.010	81.795	-0.022	81.813	-0.006								
81.832	-0.006	81.840	-0.006	81.852	-0.006	81.873	-0.002								
81.889	0.002	81.912	-0.007	81.941	-0.031	81.953	0.001								
81.968	0.005	81.985	0.009	82.009	0.012	82.030	0.008								
82.058	0.008	82.076	0.008	82.097	0.015	82.118	0.011								
82.135	0.011	82.156	0.007	82.170	0.007	82.182	0.002								
82.198	-0.006	82.217	-0.002	82.242	-0.002	82.261	-0.002								
82.278	-0.007	82.299	-0.011	82.320	-0.015	82.340	-0.015								
82.356	-0.003	82.374	-0.019	82.391	-0.016	82.404	-0.016								
82.425	-0.012	82.448	-0.012	82.470	-0.012	82.485	-0.012								
82.508	-0.013	82.528	-0.009	82.549	-0.009	82.569	-0.005								
82.591	-0.005	82.615	0.002	82.636	-0.006	82.659	-0.014								



71-037 2/5/71 0600 PST LOS ANGELES 8639 LINCLN, 6TH FL, CCWN

4778 PCINTS 85.337 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 0.0691 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	C.654	C.010	0.154	C.021	0.211	0.028	0.223	1.278	-C.040	1.282	-0.048	1.303	-0.044	1.310	-0.020	1.317	-0.011	1.324	-0.001
0.033	0.231	0.042	0.219	0.053	0.175	0.063	0.127	1.318	-0.005	1.328	-0.021	1.333	-0.061	1.337	-0.101	1.344	-0.131	1.351	-0.161
0.015	C.667	C.084	0.055	0.090	0.023	0.057	-0.021	1.338	-0.141	1.344	-0.161	1.347	-0.225	1.356	-0.262	1.364	-0.292	1.372	-0.322
0.105	-0.089	C.110	-0.165	0.117	-0.237	0.122	-0.277	1.368	-0.234	1.374	-0.254	1.380	-0.126	1.389	-0.046	1.397	-0.031	1.405	-0.011
0.126	-0.313	C.134	-0.356	0.141	-0.340	0.145	-0.328	1.368	-0.303	1.401	-0.009	1.417	-0.003	1.424	-0.031	1.432	-0.061	1.440	-0.091
C.151	-C.276	C.158	-0.216	0.161	-0.168	0.171	-0.104	1.431	-0.052	1.437	-0.072	1.449	-0.028	1.453	-0.000	1.461	-0.031	1.469	-0.061
0.177	-C.668	C.184	-0.024	0.184	0.016	0.202	0.065	1.455	C.028	1.460	C.070	1.464	0.048	1.470	0.020	1.478	0.051	1.486	0.081
0.212	0.657	0.226	0.125	0.231	0.141	0.240	0.157	1.475	C.236	1.487	0.276	1.495	0.248	1.503	0.223	1.511	0.251	1.519	0.281
0.246	-0.145	C.254	0.125	0.263	0.113	0.270	0.085	1.507	0.179	1.513	0.115	1.521	0.047	1.529	-0.031	1.537	-0.061	1.545	-0.091
0.276	0.053	0.282	0.037	0.289	0.006	0.295	-0.002	1.534	-0.085	1.542	-0.126	1.546	-0.154	1.553	-0.170	1.561	-0.190	1.569	-0.210
0.303	C.018	C.313	0.350	0.320	0.098	0.325	0.134	1.565	-0.134	1.575	-0.066	1.583	-0.006	1.591	0.070	1.600	0.100	1.608	0.130
0.331	C.174	0.335	0.182	0.341	0.174	0.349	0.146	1.595	C.114	1.603	C.178	1.605	C.218	1.616	0.225	1.624	0.255	1.632	0.285
0.356	-0.118	0.361	0.070	0.365	0.018	0.370	-0.018	1.625	C.213	1.629	C.173	1.635	0.109	1.638	0.061	1.646	0.091	1.654	0.121
0.376	-C.654	C.380	-0.082	0.387	-0.062	0.395	-0.030	1.643	-0.005	1.649	-0.075	1.657	-0.127	1.665	-0.167	1.673	-0.207	1.681	-0.247
0.403	0.014	0.408	0.069	0.412	0.093	0.417	0.109	1.656	-0.199	1.663	-0.227	1.675	-0.203	1.682	-0.179	1.690	-0.149	1.698	-0.119
0.426	0.085	0.432	0.057	0.437	0.005	0.442	-0.048	1.688	-0.119	1.695	-0.063	1.696	-0.019	1.703	0.053	1.711	0.083	1.719	0.113
0.447	-0.104	C.453	-0.148	C.458	-0.176	0.462	-0.200	1.711	C.057	1.727	0.101	1.733	C.085	1.745	C.065	1.753	C.095	1.761	C.125
0.475	-0.172	0.481	-0.133	0.488	-0.069	0.497	-0.017	1.758	C.080	1.770	0.137	1.780	0.149	1.789	0.128	1.797	0.158	1.805	0.188
0.504	C.659	C.513	0.127	0.521	0.171	0.528	0.235	1.759	C.080	1.810	C.020	1.816	-0.016	1.828	-0.052	1.836	-0.082	1.844	-0.112
0.534	0.271	0.540	0.298	0.544	0.290	0.552	0.282	1.840	-0.024	1.855	-0.028	1.867	C.048	1.880	C.040	1.888	C.040	1.896	C.040
0.559	C.270	0.565	0.238	0.572	0.174	0.577	0.110	1.852	-0.004	1.898	-0.032	1.903	-0.088	1.913	-0.132	1.921	-0.182	1.929	-0.232
0.583	C.053	C.586	0.001	0.592	-0.031	0.598	-0.063	1.921	-0.132	1.929	-0.056	1.936	-0.052	1.942	-0.012	1.949	-0.037	1.957	-0.067
0.607	-0.055	C.615	-0.103	0.622	-0.079	0.630	-0.032	1.946	0.004	1.958	-0.024	1.966	-0.068	1.975	-0.112	1.983	-0.162	1.991	-0.212
0.641	0.012	0.646	0.050	0.653	0.104	0.661	0.144	1.975	-0.164	1.985	-0.208	1.995	-0.240	1.999	-0.276	2.000	-0.302	2.000	-0.334
C.673	C.184	C.672	0.172	0.692	0.140	0.692	0.076	2.005	-0.256	2.012	-0.204	2.015	-0.144	2.020	-0.088	2.024	-0.032	2.028	-0.020
0.702	0.040	0.713	-0.064	0.721	-0.124	0.726	-0.168	2.024	-0.024	2.030	0.052	2.036	0.100	2.042	0.144	2.048	0.188	2.054	0.232
0.737	-0.224	C.748	-0.264	C.754	-0.268	0.771	-0.244	2.050	C.066	2.061	0.127	2.069	C.103	2.075	C.079	2.081	C.111	2.087	C.155
0.783	-0.208	C.789	-0.172	0.803	-0.119	0.813	-0.039	2.080	0.053	2.100	0.047	2.111	C.063	2.120	C.065	2.128	C.103	2.136	C.145
0.824	0.021	0.832	0.105	0.838	0.129	0.844	0.153	2.138	0.147	2.148	0.155	2.156	C.127	2.164	C.071	2.172	C.103	2.180	C.145
0.853	-0.125	0.861	0.117	0.871	0.065	0.881	0.025	2.168	0.019	2.174	-0.029	2.181	-0.097	2.186	-0.145	2.192	-0.192	2.198	-0.242
C.867	-C.007	C.877	-0.071	0.907	-0.119	0.914	-0.151	2.194	-0.182	2.200	-0.214	2.208	-0.230	2.216	-0.214	2.222	-0.264	2.228	-0.316
0.924	-0.167	0.924	-0.183	0.947	-0.179	0.958	-0.151	2.227	-0.166	2.232	-0.126	2.238	-0.058	2.243	-0.010	2.248	-0.032	2.254	-0.084
0.974	-C.663	C.984	0.029	0.993	0.146	1.000	0.210	2.248	C.046	2.255	C.062	2.262	C.058	2.269	C.010	2.275	C.046	2.282	C.090
1.011	0.250	1.020	0.238	1.028	0.202	1.032	0.154	2.279	C.061	2.288	0.025	2.294	C.057	2.301	C.055	2.308	C.046	2.315	C.095
1.039	-0.073	1.045	0.005	1.056	-0.059	1.066	-0.075	2.294	-0.103	2.295	-0.135	2.303	-0.183	2.314	-0.227	2.325	-0.276	2.336	-0.327
1.078	-0.075	1.091	-0.067	1.100	-0.103	1.110	-0.108	2.326	-0.179	2.333	-0.136	2.339	-0.056	2.346	-0.024	2.353	-0.037	2.360	-0.089
1.124	-0.080	1.133	-0.044	1.145	-0.012	1.157	-0.004	2.357	-0.012	2.368	0.012	2.376	C.008	2.387	-0.024	2.394	-0.057	2.401	-0.099
1.171	-0.005	1.188	-0.009	1.199	0.026	1.212	0.090	2.399	-0.037	2.411	-0.049	2.423	-0.030	2.430	-0.065	2.438	-0.100	2.446	-0.140
1.227	0.166	1.235	0.182	1.246	0.169	1.253	0.137	2.438	-0.054	2.451	-0.010	2.459	C.030	2.474	-0.046	2.482	-0.077	2.490	-0.117
1.258	0.109	1.262	0.061	1.268	0.017	1.273	-0.011	2.484	C.205	2.496	C.280	2.505	C.324	2.517	0.352	2.525	0.383	2.533	0.414



2.526	0.355	2.536	0.323	2.544	0.243	2.553	0.158	4.123	-0.276	4.126	-0.220	4.132	-0.152	4.137	-0.068
2.559	0.070	2.567	-0.042	2.576	-0.139	2.584	-0.207	4.141	-0.012	4.146	0.052	4.150	0.120	4.153	0.180
2.589	-0.235	2.613	-0.236	2.632	-0.237	2.649	-0.201	4.162	0.226	4.174	0.255	4.187	0.239	4.203	0.219
2.657	-0.150	2.664	-0.066	2.668	-0.042	2.672	0.030	4.212	0.183	4.221	0.143	4.233	0.087	4.235	0.047
2.678	0.082	2.680	0.130	2.685	0.166	2.691	0.182	4.247	-0.021	4.252	-0.053	4.260	-0.078	4.274	-0.189
2.705	0.173	2.714	0.153	2.720	0.141	2.726	0.124	4.264	-0.235	4.269	-0.250	4.278	-0.278	4.311	-0.258
2.728	0.108	2.746	0.132	2.752	0.163	2.760	0.195	4.317	-0.222	4.320	-0.174	4.329	-0.142	4.334	-0.058
2.769	0.235	2.782	0.206	2.790	0.158	2.797	0.102	4.341	-0.082	4.350	-0.054	4.362	-0.078	4.370	-0.098
2.802	0.030	2.807	-0.031	2.812	-0.055	2.818	-0.139	4.377	-0.118	4.384	-0.106	4.391	-0.071	4.395	-0.043
2.827	-0.175	2.830	-0.151	2.847	-0.140	2.853	-0.056	4.400	0.069	4.404	0.061	4.405	0.169	4.412	0.145
2.858	-0.056	2.867	-0.024	2.876	-0.048	2.888	-0.088	4.418	0.189	4.425	0.233	4.436	0.217	4.444	0.181
2.893	-0.117	2.898	-0.133	2.912	-0.085	2.917	-0.033	4.451	0.148	4.456	0.052	4.461	0.024	4.470	-0.048
2.924	0.039	2.931	0.087	2.937	0.135	2.943	0.142	4.475	-0.100	4.488	-0.152	4.501	-0.209	4.511	-0.237
2.950	-0.135	2.962	0.078	2.968	-0.002	2.972	-0.066	4.522	-0.273	4.533	-0.241	4.540	-0.166	4.545	-0.122
2.983	-0.195	2.991	-0.243	2.991	-0.243	2.998	-0.275	4.549	-0.058	4.554	-0.281	4.555	0.317	4.564	0.325
3.010	-0.255	3.017	-0.208	3.025	-0.144	3.032	-0.084	4.569	0.226	4.578	0.281	4.585	0.317	4.595	0.325
3.037	-0.016	3.042	0.032	3.046	0.060	3.055	0.084	4.607	0.329	4.614	0.304	4.622	0.244	4.627	0.192
3.066	0.068	3.077	0.036	3.083	0.004	3.086	0.012	4.630	0.140	4.635	0.055	4.645	0.051	4.654	0.035
3.095	0.016	3.102	0.060	3.106	0.112	3.113	0.156	4.665	-0.022	4.673	-0.006	4.681	-0.038	4.687	-0.070
3.118	0.212	3.121	0.260	3.125	0.308	3.133	0.331	4.654	-0.106	4.701	-0.134	4.706	-0.154	4.721	-0.175
3.143	-0.029	3.153	0.215	3.160	0.119	3.167	0.027	4.728	-0.183	4.738	-0.155	4.747	-0.107	4.754	-0.047
3.209	-0.106	3.217	-0.130	3.223	-0.162	3.231	-0.146	4.761	0.016	4.770	0.100	4.779	0.152	4.786	0.248
3.237	-0.158	3.245	-0.154	3.257	-0.170	3.264	-0.146	4.792	0.324	4.796	0.376	4.802	0.452	4.808	0.484
3.272	-0.106	3.281	-0.078	3.288	-0.046	3.294	-0.026	4.817	0.508	4.823	0.532	4.834	0.527	4.840	0.503
3.303	-0.022	3.312	-0.058	3.321	-0.090	3.328	-0.090	4.852	0.451	4.858	0.359	4.865	0.327	4.873	0.327
3.336	-0.106	3.343	-0.074	3.349	-0.038	3.354	0.002	4.882	0.126	4.885	0.050	4.895	-0.026	4.902	-0.130
3.356	0.058	3.360	0.098	3.363	0.162	3.369	0.226	4.914	-0.154	4.930	-0.235	4.948	-0.275	4.960	-0.323
3.374	0.262	3.377	0.322	3.382	0.346	3.391	0.370	4.969	-0.351	4.977	-0.375	4.993	-0.348	5.000	-0.300
3.405	0.342	3.417	0.294	3.417	0.213	3.426	0.105	5.068	-0.236	5.014	-0.172	5.021	-0.092	5.027	-0.032
3.435	-0.020	3.444	-0.116	3.445	-0.144	3.454	-0.248	5.068	-0.008	5.034	0.032	5.041	0.064	5.051	0.084
3.468	-0.377	3.475	-0.377	3.475	-0.405	3.486	-0.366	5.059	0.068	5.065	0.056	5.070	0.048	5.079	0.079
3.492	-0.314	3.498	-0.250	3.503	-0.194	3.510	-0.052	5.091	0.127	5.059	0.111	5.107	0.203	5.112	0.211
3.516	-0.014	3.526	0.037	3.540	0.065	3.549	0.052	5.125	0.155	5.131	0.139	5.137	0.083	5.140	0.035
3.560	0.032	3.569	0.016	3.572	-0.000	3.583	0.035	5.146	-0.030	5.152	-0.066	5.158	-0.114	5.166	-0.146
3.615	0.042	3.621	0.009	3.604	0.078	3.609	0.066	5.179	0.102	5.215	0.112	5.228	0.190	5.237	0.229
3.644	-0.036	3.648	0.000	3.651	0.036	3.654	0.092	5.209	0.090	5.253	0.225	5.261	0.185	5.266	0.141
3.657	0.132	3.662	0.192	3.666	0.256	3.670	0.315	5.240	0.253	5.285	0.017	5.295	-0.031	5.303	-0.080
3.672	0.351	3.681	0.387	3.690	0.363	3.696	0.306	5.277	0.085	5.319	-0.132	5.325	-0.104	5.331	-0.056
3.701	0.238	3.706	0.142	3.711	0.053	3.716	-0.015	5.310	-0.116	5.353	0.056	5.362	0.088	5.374	0.112
3.723	-0.075	3.726	-0.103	3.730	-0.132	3.739	-0.100	5.345	0.000	5.354	0.055	5.362	0.039	5.418	0.087
3.748	-0.060	3.753	-0.028	3.762	-0.007	3.767	0.015	5.423	0.135	5.430	0.191	5.437	0.243	5.447	0.270
3.780	-0.001	3.786	-0.025	3.793	-0.041	3.802	-0.062	5.460	0.258	5.466	0.206	5.470	0.158	5.471	0.090
3.810	-0.038	3.814	-0.038	3.820	-0.018	3.825	0.002	5.483	0.022	5.491	-0.067	5.498	-0.135	5.508	-0.191
3.835	0.010	3.846	-0.003	3.853	-0.027	3.861	-0.079	5.514	-0.223	5.525	-0.235	5.536	-0.238	5.545	-0.244
3.867	-0.111	3.872	-0.156	3.877	-0.192	3.883	-0.204	5.552	-0.276	5.565	-0.312	5.573	-0.333	5.582	-0.301
3.890	-0.188	3.900	-0.188	3.906	-0.152	3.911	-0.116	5.589	-0.253	5.591	-0.205	5.599	-0.137	5.603	-0.053
3.917	-0.049	3.923	-0.001	3.929	0.039	3.934	0.059	5.609	0.031	5.612	0.103	5.619	0.195	5.625	0.267
3.939	0.075	3.945	0.063	3.953	0.055	3.960	0.030	5.633	0.218	5.646	0.354	5.659	0.330	5.670	0.289
3.967	0.010	3.973	0.002	3.981	0.026	3.990	0.062	5.682	0.229	5.696	0.156	5.696	0.052	5.705	0.004
3.993	0.230	4.001	0.218	4.003	0.190	4.009	0.218	5.712	-0.100	5.720	-0.157	5.729	-0.185	5.735	-0.197
4.016	0.046	4.027	0.041	4.031	0.165	4.038	0.141	5.744	-0.161	5.750	-0.118	5.756	-0.038	5.762	0.034
4.046	0.093	4.050	0.041	4.056	-0.003	4.062	-0.063	5.765	0.054	5.776	0.174	5.780	0.226	5.780	0.262
4.067	-0.127	4.073	-0.192	4.082	-0.268	4.091	-0.332	5.801	0.221	5.805	0.165	5.817	0.101	5.825	0.049
4.097	-0.376	4.105	-0.384	4.110	-0.372	4.117	-0.324	5.834	0.029	5.844	0.041	5.854	0.068	5.863	0.084
								5.874	0.060	5.884	0.004	5.891	-0.064	5.898	-0.148



5.908	-0.193	5.918	-0.165	5.926	-0.137	5.932	-0.117	7.618	0.077	7.625	0.117	7.631	0.145	7.639	0.165
5.940	-0.057	5.945	-0.085	5.953	-0.129	5.961	-0.185	7.652	0.157	7.662	0.225	7.673	0.233	7.682	0.197
5.966	-0.254	5.973	-0.318	5.981	-0.386	5.988	-0.418	7.687	0.157	7.693	0.121	7.700	0.061	7.706	0.017
5.999	-0.382	6.003	-0.318	6.008	-0.246	6.011	-0.149	7.715	-0.052	7.725	-0.088	7.735	-0.068	7.750	-0.040
6.016	-0.057	6.019	0.027	6.023	0.119	6.028	0.179	7.753	-0.004	7.758	0.036	7.764	0.063	7.774	0.087
6.031	0.255	6.037	0.319	6.045	0.343	6.057	0.339	7.783	0.079	7.787	0.051	7.796	0.015	7.799	-0.058
6.063	0.283	6.070	0.215	6.076	0.151	6.084	0.071	7.810	-0.066	7.815	-0.050	7.832	-0.118	7.847	-0.103
6.092	0.035	6.103	-0.013	6.114	-0.069	6.122	-0.113	7.859	-0.071	7.870	-0.031	7.884	0.001	7.930	-0.009
6.125	-0.165	6.132	-0.213	6.137	-0.261	6.146	-0.293	7.892	0.060	7.904	0.028	7.915	-0.000	7.930	-0.009
6.158	-0.317	6.166	-0.273	6.173	-0.221	6.179	-0.173	7.949	-0.005	7.967	-0.061	7.974	0.030	7.983	0.054
6.289	0.154	6.295	0.078	6.305	-0.026	6.310	-0.095	7.951	0.098	8.006	0.086	8.016	0.073	8.025	0.081
6.319	-0.175	6.326	-0.243	6.334	-0.295	6.341	-0.324	8.038	0.069	8.045	0.053	8.046	0.033	8.051	0.001
6.355	-0.304	6.361	-0.280	6.373	-0.264	6.380	-0.237	8.055	-0.023	8.060	-0.052	8.063	-0.088	8.072	-0.100
6.385	-0.205	6.391	-0.169	6.397	-0.105	6.400	-0.033	8.081	-0.096	8.092	-0.068	8.098	-0.053	8.106	-0.033
6.406	0.023	6.412	0.111	6.417	0.183	6.422	0.263	8.118	-0.025	8.131	-0.005	8.143	0.010	8.150	0.046
6.424	0.303	6.430	0.391	6.434	0.434	6.440	0.462	8.156	0.058	8.161	0.066	8.169	0.114	8.175	0.126
6.449	0.450	6.456	0.466	6.463	0.414	6.467	0.366	8.188	0.105	8.193	0.089	8.200	0.073	8.213	0.049
6.471	0.309	6.480	0.237	6.487	0.157	6.496	0.097	8.222	0.061	8.233	0.088	8.246	0.120	8.251	0.148
6.504	0.032	6.512	-0.012	6.517	-0.072	6.524	-0.116	8.256	0.168	8.261	-0.176	8.276	0.151	8.285	0.071
6.531	-0.157	6.541	-0.181	6.552	-0.189	6.566	-0.178	8.289	0.011	8.294	-0.018	8.301	-0.058	8.307	-0.098
6.575	-0.202	6.584	-0.214	6.594	-0.206	6.602	-0.179	8.320	-0.090	8.334	-0.055	8.345	-0.031	8.358	-0.011
6.605	-0.115	6.615	-0.051	6.620	0.017	6.624	0.061	8.370	-0.064	8.376	-0.168	8.378	-0.140	8.381	-0.180
6.627	0.145	6.635	0.205	6.636	0.245	6.641	0.301	8.393	-0.213	8.400	-0.233	8.412	-0.245	8.422	-0.246
6.648	0.337	6.652	0.373	6.657	0.400	6.664	0.404	8.433	-0.214	8.442	-0.150	8.452	-0.062	8.460	-0.003
6.672	0.364	6.680	0.344	6.689	0.272	6.694	0.139	8.469	0.033	8.476	0.069	8.485	0.081	8.497	0.048
6.696	0.063	6.701	0.011	6.708	-0.049	6.715	-0.101	8.505	0.024	8.515	-0.000	8.525	0.023	8.530	0.039
6.721	-0.130	6.725	-0.105	6.733	-0.053	6.739	0.003	8.540	0.075	8.547	0.099	8.556	0.111	8.565	0.082
6.744	0.039	6.747	0.063	6.753	0.087	6.760	0.091	8.574	0.070	8.583	0.050	8.590	0.006	8.599	-0.010
6.770	0.067	6.778	0.043	6.784	0.011	6.793	-0.045	8.611	-0.050	8.627	-0.107	8.638	-0.091	8.656	-0.075
6.802	-0.105	6.807	-0.185	6.811	-0.233	6.816	-0.277	8.666	-0.043	8.678	-0.007	8.693	0.073	8.697	0.129
6.822	-0.305	6.832	-0.341	6.846	-0.329	6.852	-0.297	8.705	0.201	8.715	0.277	8.718	0.281	8.730	0.281
6.862	-0.245	6.872	-0.193	6.882	-0.153	6.886	-0.105	8.740	0.285	8.745	0.277	8.758	0.221	8.766	0.173
6.856	-0.064	6.904	-0.040	6.913	-0.024	6.924	-0.008	8.771	0.128	8.780	0.080	8.786	0.056	8.794	0.028
6.930	0.000	6.937	0.013	6.948	0.005	6.961	-0.003	8.804	0.044	8.815	0.052	8.825	0.120	8.842	0.132
6.968	-0.015	6.991	-0.014	7.001	-0.010	7.004	0.006	8.856	0.137	8.868	0.116	8.875	0.084	8.882	0.044
7.012	0.018	7.015	-0.001	7.031	-0.017	7.037	-0.045	8.889	0.004	8.898	-0.032	8.901	-0.068	8.910	-0.108
7.043	-0.077	7.053	-0.121	7.061	-0.149	7.071	-0.133	8.921	-0.144	8.930	-0.164	8.947	-0.140	8.959	-0.117
7.080	-0.085	7.086	-0.041	7.096	0.019	7.105	0.059	8.967	-0.077	8.977	-0.049	8.990	-0.021	9.002	-0.005
7.114	0.055	7.123	0.131	7.139	0.139	7.147	0.147	9.013	0.019	9.026	0.027	9.043	0.018	9.058	-0.010
7.156	0.175	7.167	0.155	7.181	0.219	7.189	0.191	9.066	-0.030	9.079	-0.075	9.087	-0.075	9.093	-0.051
7.154	0.147	7.200	0.103	7.203	0.059	7.208	0.003	9.101	-0.027	9.112	-0.008	9.126	-0.020	9.134	-0.040
7.212	-0.081	7.216	-0.134	7.224	-0.178	7.229	-0.214	9.143	-0.061	9.156	-0.073	9.174	-0.089	9.192	-0.076
7.236	-0.234	7.254	-0.218	7.261	-0.190	7.274	-0.138	9.202	-0.038	9.208	0.002	9.220	0.033	9.235	0.045
7.292	-0.085	7.307	-0.081	7.320	-0.045	7.330	-0.013	9.251	0.000	9.255	-0.036	9.271	-0.060	9.282	-0.021
7.340	0.015	7.355	-0.001	7.366	-0.041	7.377	-0.101	9.294	0.019	9.307	0.047	9.316	0.058	9.320	0.026
7.388	-0.157	7.396	-0.206	7.406	-0.278	7.415	-0.334	9.339	-0.006	9.345	-0.038	9.354	-0.055	9.360	-0.127
7.422	-0.361	7.426	-0.373	7.431	-0.381	7.443	-0.357	9.378	-0.104	9.387	-0.056	9.396	-0.004	9.414	0.071
7.448	-0.313	7.453	-0.261	7.454	-0.225	7.458	-0.185	9.424	0.107	9.439	0.131	9.457	0.130	9.476	0.126
7.460	-0.157	7.465	-0.056	7.468	-0.000	7.470	0.032	9.491	0.117	9.505	0.085	9.514	0.056	9.523	0.036
7.474	0.104	7.477	0.164	7.480	0.208	7.484	0.236	9.535	0.032	9.550	0.019	9.560	0.019	9.571	0.059
7.490	0.284	7.498	0.312	7.509	0.281	7.515	0.253	9.578	0.083	9.587	0.115	9.596	0.127	9.613	0.106
7.517	0.201	7.522	0.149	7.527	0.077	7.531	0.025	9.624	0.066	9.636	0.058	9.647	0.058	9.667	0.057
7.534	-0.011	7.539	-0.055	7.545	-0.119	7.551	-0.167	9.677	0.045	9.685	0.025	9.711	0.064	9.720	0.089
7.558	-0.207	7.568	-0.227	7.578	-0.203	7.583	-0.167	9.734	0.153	9.742	0.197	9.753	0.189	9.762	0.130
7.556	-0.111	7.601	-0.059	7.605	-0.011	7.610	0.033	9.770	0.082	9.776	0.014	9.780	-0.022	9.784	-0.066
								9.791	-0.118	9.799	-0.162	9.806	-0.190	9.820	-0.173



9.832	-0.149	9.847	-0.133	9.859	-0.117	9.874	-0.088	12.933	-0.090	12.952	-0.036	12.964	0.036	12.990	0.112
9.882	-0.068	9.892	0.004	9.901	0.012	9.915	0.001	13.007	0.075	13.022	0.021	13.040	-0.021	13.055	-0.073
9.926	-0.001	9.942	0.067	9.950	-0.007	9.963	-0.023	13.071	-0.126	13.084	-0.194	13.100	-0.194	13.116	-0.179
9.971	-0.027	9.986	0.067	9.998	-0.095	10.003	-0.087	13.137	-0.119	13.153	-0.055	13.169	-0.003	13.184	0.045
10.022	-0.078	10.041	-0.046	10.053	-0.018	10.067	0.046	13.204	0.117	13.223	0.153	13.243	0.169	13.259	0.037
10.077	0.102	10.088	0.134	10.099	0.162	10.115	0.142	13.273	-0.024	13.292	-0.048	13.310	-0.008	13.324	0.036
10.133	0.109	10.144	0.065	10.156	0.053	10.167	0.048	13.341	0.070	13.361	0.088	13.382	0.048	13.404	0.020
10.179	0.072	10.191	0.054	10.207	0.091	10.221	0.103	13.422	0.012	13.435	0.016	13.458	0.028	13.475	0.060
10.239	0.102	10.253	0.062	10.264	0.033	10.275	0.001	13.482	0.108	13.507	0.156	13.525	0.132	13.543	0.112
10.285	-0.015	10.293	0.064	10.306	0.036	10.314	0.040	13.564	0.125	13.583	0.053	13.601	0.053	13.613	0.057
10.337	0.031	10.346	0.007	10.363	-0.021	10.373	-0.025	13.628	0.013	13.653	-0.022	13.672	-0.026	13.689	-0.078
10.388	-0.006	10.401	0.006	10.410	0.058	10.419	0.077	13.704	-0.106	13.719	-0.090	13.734	-0.030	13.746	0.002
10.428	0.069	10.441	0.029	10.451	-0.007	10.460	-0.036	13.765	0.023	13.780	0.017	13.796	0.069	13.813	-0.093
10.475	-0.028	10.487	-0.000	10.501	0.031	10.508	0.067	13.833	-0.049	13.848	-0.005	13.866	0.035	13.880	0.067
10.519	0.091	10.530	0.083	10.539	0.063	10.553	0.035	13.898	0.060	13.913	0.072	13.936	0.044	13.953	0.064
10.564	-0.018	10.573	-0.038	10.582	-0.010	10.591	-0.014	13.965	0.056	13.976	0.064	13.990	0.152	14.006	0.092
10.600	-0.018	10.610	-0.038	10.621	-0.058	10.627	-0.086	14.017	-0.116	14.028	-0.036	14.040	-0.100	14.056	-0.136
10.633	-0.106	10.635	-0.130	10.651	-0.110	10.657	-0.099	14.070	-0.116	14.081	-0.064	14.094	-0.068	14.104	-0.080
10.664	-0.071	10.677	-0.035	10.683	-0.023	10.690	-0.007	14.117	0.136	14.132	0.148	14.149	0.088	14.163	0.028
10.695	-0.027	10.701	-0.043	10.707	-0.059	10.713	-0.075	14.180	-0.023	14.198	-0.024	14.205	-0.020	14.224	-0.029
10.730	-0.124	10.747	-0.090	10.758	-0.032	10.777	-0.004	14.242	-0.073	14.257	-0.053	14.273	-0.081	14.288	-0.013
10.755	0.015	10.811	0.075	10.825	-0.058	10.845	-0.134	14.302	0.043	14.315	0.059	14.341	0.031	14.357	0.063
10.867	-0.171	10.884	-0.171	10.894	-0.164	10.909	-0.148	14.370	0.087	14.391	0.107	14.411	0.051	14.425	-0.013
10.921	-0.133	10.933	-0.081	10.947	0.023	10.955	0.126	14.442	-0.054	14.460	-0.054	14.475	-0.034	14.482	-0.022
10.965	0.226	10.976	0.282	10.987	0.297	11.000	0.257	14.519	-0.054	14.540	-0.038	14.554	-0.010	14.566	0.002
11.018	0.192	11.034	0.112	11.048	0.032	11.060	-0.037	14.591	-0.018	14.619	0.094	14.630	0.182	14.639	0.166
11.074	-0.053	11.091	-0.082	11.110	-0.150	11.124	-0.147	14.644	0.206	14.659	0.230	14.676	0.182	14.685	0.073
11.135	-0.015	11.150	-0.059	11.161	0.005	11.169	0.073	14.705	-0.031	14.718	-0.111	14.737	-0.159	14.755	-0.131
11.183	0.141	11.198	0.160	11.215	0.132	11.237	0.040	14.772	-0.059	14.783	0.056	14.793	0.073	14.802	0.113
11.257	-0.065	11.268	-0.137	11.281	-0.209	11.297	-0.261	14.817	0.132	14.837	0.056	14.856	0.044	14.872	0.060
11.312	-0.254	11.331	-0.150	11.343	-0.074	11.353	0.002	14.852	0.084	14.913	0.052	14.934	0.031	14.958	0.019
11.368	0.017	11.384	0.089	11.399	0.077	11.418	0.094	14.975	0.091	15.061	0.063	15.072	0.018	15.078	0.010
11.433	0.132	11.451	-0.032	11.465	-0.080	11.478	-0.128	15.049	0.030	15.061	0.066	15.078	0.078	15.096	0.049
11.490	-0.132	11.505	-0.113	11.517	-0.081	11.537	-0.037	15.115	0.001	15.131	-0.027	15.150	-0.027	15.166	-0.020
11.550	-0.005	11.566	0.023	11.581	0.047	11.594	0.094	15.184	-0.020	15.201	-0.016	15.217	0.003	15.232	0.027
11.606	0.146	11.621	0.158	11.639	0.086	11.649	-0.002	15.246	0.071	15.256	0.103	15.273	0.118	15.291	0.078
11.659	-0.066	11.670	-0.163	11.683	-0.171	11.697	-0.095	15.304	0.014	15.319	-0.039	15.334	-0.075	15.352	-0.087
11.708	0.021	11.719	0.121	11.736	0.161	11.748	0.120	15.372	-0.076	15.393	-0.052	15.408	-0.016	15.420	0.007
11.766	-0.060	11.779	0.068	11.802	0.092	11.819	0.051	15.435	0.039	15.453	0.043	15.470	0.035	15.484	0.034
11.833	0.023	11.848	0.003	11.865	0.023	11.882	0.107	15.500	0.042	15.515	0.042	15.530	0.038	15.547	-0.002
11.857	0.149	11.873	0.069	11.885	-0.015	11.895	-0.112	15.561	-0.063	15.579	-0.107	15.596	-0.111	15.614	-0.079
12.014	-0.164	12.028	-0.149	12.043	-0.101	12.058	-0.069	15.628	-0.039	15.646	0.020	15.658	0.056	15.671	0.072
12.072	-0.058	12.087	-0.042	12.101	-0.026	12.117	0.001	15.751	-0.052	15.768	-0.040	15.784	-0.028	15.798	-0.020
12.127	0.021	12.138	0.041	12.155	0.073	12.170	0.032	15.812	-0.016	15.828	-0.004	15.844	0.012	15.861	0.024
12.185	-0.072	12.200	-0.156	12.212	-0.213	12.224	-0.237	15.875	0.040	15.892	0.064	15.907	0.071	15.924	0.067
12.245	-0.193	12.258	-0.118	12.273	-0.030	12.283	-0.002	15.942	0.067	15.955	0.087	15.969	0.103	15.984	0.111
12.295	0.022	12.308	0.017	12.321	-0.031	12.336	-0.055	16.003	0.055	16.017	-0.001	16.034	-0.053	16.053	-0.074
12.354	-0.024	12.375	-0.004	12.392	0.007	12.409	0.007	16.073	-0.106	16.092	-0.122	16.110	-0.066	16.122	-0.006
12.421	-0.013	12.437	-0.038	12.449	-0.042	12.461	-0.046	16.137	0.034	16.150	0.034	16.165	0.022	16.184	-0.019
12.473	-0.046	12.491	-0.043	12.507	-0.019	12.530	0.045	16.201	-0.035	16.217	-0.015	16.234	0.025	16.249	0.037
12.544	0.081	12.557	0.109	12.575	0.053	12.593	0.008	16.267	0.029	16.282	-0.015	16.295	-0.015	16.306	-0.035
12.611	-0.028	12.629	-0.052	12.648	-0.048	12.669	-0.032	16.320	-0.079	16.332	-0.015	16.348	-0.063	16.360	-0.023
12.690	-0.045	12.711	-0.025	12.729	-0.013	12.750	0.003	16.371	0.013	16.387	0.037	16.405	0.053	16.421	0.069
12.770	0.010	12.798	0.022	12.817	-0.014	12.840	-0.047	16.436	0.093	16.449	0.101	16.462	0.052	16.481	0.092
12.863	-0.031	12.886	-0.019	12.905	-0.047	12.920	-0.080	16.456	0.080	16.511	0.048	16.528	0.012	16.543	-0.004



16.558	-0.012	16.576	-0.016	16.589	-0.016	16.617	-0.028	20.327	-0.010	20.347	-0.038	20.367	-0.066	20.388	-0.073
16.625	-0.012	16.639	0.016	16.660	0.040	16.677	0.004	20.407	-0.077	20.426	-0.084	20.444	-0.080	20.462	-0.092
16.658	-0.032	16.712	-0.005	16.725	0.031	16.738	0.051	20.479	-0.087	20.495	-0.061	20.509	-0.043	20.528	-0.040
16.754	0.043	16.771	0.035	16.789	0.019	16.809	-0.013	20.546	0.014	20.562	0.010	20.581	-0.037	20.596	-0.081
16.826	-0.033	16.847	-0.037	16.871	-0.081	16.886	-0.089	20.617	-0.079	20.636	-0.120	20.658	-0.108	20.675	-0.092
16.905	-0.061	16.920	-0.089	16.938	-0.093	16.956	-0.070	20.688	-0.079	20.708	-0.075	20.726	-0.071	20.740	-0.079
16.976	-0.046	16.994	-0.030	17.010	-0.030	17.026	-0.054	20.758	-0.066	20.778	-0.074	20.793	-0.061	20.811	-0.054
17.046	-0.122	17.063	-0.162	17.080	-0.154	17.095	-0.110	20.823	-0.050	20.841	-0.061	20.857	-0.053	20.880	-0.133
17.111	-0.082	17.132	-0.074	17.146	-0.062	17.159	-0.014	20.897	-0.113	20.915	-0.088	20.936	-0.076	20.965	-0.100
17.180	0.018	17.199	0.022	17.215	0.018	17.232	-0.002	20.984	-0.103	21.004	-0.107	21.021	-0.111	21.039	-0.111
17.248	0.018	17.273	-0.026	17.294	-0.042	17.314	-0.078	21.058	-0.094	21.082	-0.070	21.102	-0.078	21.118	-0.118
17.329	-0.082	17.345	-0.070	17.363	-0.038	17.379	-0.022	21.139	-0.145	21.158	-0.145	21.182	-0.113	21.205	-0.080
17.400	-0.006	17.418	0.034	17.435	0.057	17.454	0.073	21.218	-0.068	21.236	-0.080	21.261	-0.096	21.283	-0.099
17.472	0.073	17.491	0.057	17.510	0.025	17.527	0.001	21.300	-0.091	21.316	-0.087	21.334	-0.079	21.360	-0.090
17.549	-0.023	17.572	-0.015	17.592	-0.007	17.609	-0.011	21.379	-0.106	21.402	-0.094	21.416	-0.069	21.435	-0.045
17.625	-0.023	17.646	-0.047	17.662	-0.079	17.678	-0.103	21.456	-0.017	21.473	0.003	21.486	0.024	21.499	0.020
17.763	0.010	17.779	0.026	17.796	0.018	17.811	-0.014	21.501	0.016	21.503	0.012	21.505	0.008	21.508	0.008
17.830	-0.023	17.845	-0.049	17.860	-0.081	17.878	-0.117	21.522	-0.012	21.536	-0.052	21.547	-0.080	21.558	-0.108
17.956	0.008	17.969	-0.004	17.986	-0.040	18.003	-0.084	21.624	-0.044	21.640	-0.012	21.662	-0.028	21.673	-0.060
18.020	-0.056	18.035	-0.116	18.049	-0.128	18.072	-0.123	21.684	-0.076	21.697	-0.053	21.713	-0.025	21.731	-0.011
18.087	-0.079	18.107	-0.039	18.128	-0.019	18.148	0.014	21.745	-0.023	21.763	-0.022	21.776	-0.010	21.782	0.076
18.172	0.046	18.192	0.030	18.208	0.014	18.226	-0.017	21.818	0.007	21.836	-0.016	21.864	-0.024	21.874	-0.031
18.242	-0.037	18.264	-0.001	18.282	0.032	18.299	0.060	21.888	-0.007	21.906	0.018	21.925	0.050	21.938	0.059
18.310	0.056	18.330	0.033	18.347	-0.003	18.363	-0.003	21.953	0.071	21.967	0.079	21.986	0.068	22.001	0.076
18.380	-0.014	18.399	-0.026	18.417	-0.018	18.432	-0.005	22.016	0.085	22.030	0.077	22.043	0.078	22.065	0.078
18.448	-0.013	18.470	-0.077	18.489	-0.112	18.508	-0.076	22.089	0.015	22.103	0.003	22.111	0.091	22.128	0.079
18.518	-0.044	18.534	-0.035	18.552	-0.055	18.566	-0.067	22.146	0.044	22.154	0.040	22.164	0.052	22.182	0.076
18.582	-0.071	18.597	-0.062	18.611	-0.046	18.627	-0.010	22.192	0.132	22.205	0.121	22.224	0.061	22.234	0.045
18.639	0.022	18.656	0.027	18.671	0.027	18.685	0.015	22.244	0.041	22.255	0.057	22.269	0.074	22.285	0.058
18.705	0.011	18.724	-0.033	18.741	-0.061	18.765	-0.020	22.255	0.086	22.310	0.058	22.322	0.030	22.346	0.026
18.780	0.024	18.794	0.060	18.810	0.084	18.828	0.080	22.361	0.038	22.382	0.054	22.398	0.047	22.402	0.047
18.847	0.056	18.864	0.028	18.879	0.028	18.898	0.036	22.411	0.043	22.430	0.027	22.446	0.031	22.463	0.051
18.914	0.050	18.929	0.112	18.944	0.120	18.958	0.120	22.479	0.079	22.497	0.051	22.515	0.031	22.536	0.030
18.975	0.112	18.993	0.080	19.008	0.048	19.023	0.020	22.557	0.039	22.576	0.035	22.605	0.034	22.627	0.030
19.036	0.040	19.051	0.052	19.064	0.128	19.077	0.136	22.644	0.018	22.672	0.014	22.698	-0.002	22.727	-0.023
19.093	0.120	19.105	0.088	19.120	0.084	19.133	0.080	22.748	-0.047	22.762	-0.003	22.775	-0.039	22.785	0.000
19.146	0.080	19.161	0.056	19.175	0.104	19.188	0.119	22.811	0.032	22.834	0.043	22.854	0.055	22.875	0.046
19.200	0.147	19.214	0.163	19.229	0.139	19.243	0.107	22.902	0.069	22.926	0.093	22.945	0.088	22.961	0.060
19.259	0.059	19.275	0.115	19.287	0.119	19.302	0.119	22.970	0.036	22.987	0.008	22.999	0.015	23.018	0.043
19.316	0.111	19.331	0.119	19.342	0.115	19.358	0.083	23.031	0.083	23.052	0.103	23.067	0.123	23.088	0.110
19.371	0.079	19.390	0.063	19.405	0.055	19.424	0.054	23.114	0.054	23.136	0.058	23.145	0.050	23.157	0.025
19.441	0.067	19.459	0.079	19.476	0.087	19.493	0.075	23.176	0.041	23.191	0.065	23.204	0.077	23.231	0.088
19.506	0.059	19.520	0.067	19.537	0.087	19.552	0.124	23.249	0.093	23.267	0.105	23.290	0.117	23.307	0.121
19.567	0.116	19.584	0.104	19.596	0.096	19.611	0.104	23.325	0.053	23.344	0.057	23.361	0.033	23.385	0.021
19.625	0.116	19.640	0.120	19.657	0.056	19.674	0.065	23.351	0.021	23.421	0.029	23.425	0.033	23.435	0.045
19.689	0.053	19.705	0.041	19.718	0.037	19.735	0.049	23.453	0.057	23.462	0.049	23.483	0.029	23.491	0.025
19.750	0.061	19.768	0.066	19.786	0.074	19.803	0.090	23.497	0.029	23.515	0.041	23.530	0.074	23.547	0.098
19.821	0.090	19.841	0.054	19.869	-0.005	19.885	0.007	23.565	0.090	23.584	0.038	23.606	0.002	23.624	-0.006
19.903	0.015	19.920	-0.001	19.940	-0.020	19.960	-0.020	23.638	-0.022	23.647	-0.030	23.663	-0.042	23.683	-0.025
19.978	-0.004	19.998	-0.004	20.018	-0.012	20.036	-0.007	23.658	0.023	23.716	0.075	23.738	0.091	23.745	0.107
20.054	0.001	20.065	0.025	20.085	0.041	20.104	0.050	23.761	0.123	23.776	0.123	23.790	0.103	23.807	0.108
20.123	0.018	20.141	-0.002	20.159	-0.041	20.176	-0.001	23.835	0.120	23.854	0.076	23.860	0.064	23.865	0.040
20.194	0.007	20.205	0.003	20.226	-0.000	20.241	0.012	23.880	0.012	23.896	0.020	23.917	0.028	23.932	0.036
20.257	0.036	20.275	0.045	20.293	0.045	20.308	0.017	23.962	0.024	23.966	0.048	23.986	0.060	23.999	0.084
								24.017	0.108	24.026	0.052	24.036	0.060	24.054	0.036



24.066	0.020	24.084	-0.004	24.102	-0.012	24.115	-0.040	28.069	-0.008	28.636	0.009	28.662	-0.019	28.683	-0.047
24.138	-0.076	24.150	-0.112	24.180	-0.104	24.215	-0.112	28.709	-0.059	28.737	-0.043	28.737	-0.027	28.759	-0.010
24.235	-0.132	24.265	-0.124	24.288	-0.120	24.300	-0.132	28.752	-0.018	28.836	-0.018	28.867	-0.017	28.872	-0.025
24.333	-0.144	24.347	-0.119	24.355	-0.115	24.374	-0.111	28.904	-0.021	28.925	-0.014	28.951	0.000	28.950	-0.019
24.400	-0.135	24.405	-0.151	24.434	-0.135	24.451	-0.127	29.016	-0.015	29.034	-0.018	29.062	-0.022	29.068	-0.018
24.478	-0.115	24.494	-0.111	24.526	-0.114	24.542	-0.138	29.105	0.011	29.133	0.015	29.151	0.011	29.185	0.001
24.564	-0.137	24.577	-0.133	24.593	-0.135	24.613	-0.140	29.158	0.008	29.240	0.015	29.262	0.005	29.274	0.001
24.636	-0.127	24.640	-0.123	24.662	-0.135	24.670	-0.147	29.297	-0.015	29.316	-0.031	29.348	-0.010	29.366	0.022
24.685	-0.166	24.704	-0.154	24.733	-0.133	24.760	-0.128	29.380	0.046	29.357	0.034	29.425	0.015	29.436	0.011
24.779	-0.140	24.802	-0.143	24.818	-0.135	24.838	-0.114	29.458	0.007	29.482	-0.005	29.504	-0.000	29.531	0.016
24.854	-0.129	24.875	-0.153	24.886	-0.172	24.922	-0.155	29.562	0.033	29.584	0.013	29.620	-0.002	29.651	0.037
24.926	-0.135	24.941	-0.122	24.963	-0.142	24.977	-0.133	29.664	0.052	29.717	0.065	29.745	-0.006	29.782	0.047
24.993	-0.124	25.008	-0.120	25.018	-0.108	25.042	-0.144	29.806	0.075	29.851	0.048	29.896	0.022	29.924	0.055
25.062	-0.163	25.087	-0.155	25.113	-0.135	25.133	-0.142	29.931	0.063	29.956	0.031	29.973	0.016	30.000	-0.007
25.154	-0.118	25.177	-0.082	25.196	-0.037	25.218	-0.017	30.029	0.025	30.046	0.046	30.078	0.045	30.091	0.033
25.241	-0.017	25.251	-0.036	25.275	-0.036	25.301	-0.024	30.111	0.033	30.124	0.005	30.157	-0.019	30.177	-0.007
25.320	-0.012	25.335	-0.024	25.357	-0.020	25.380	-0.004	30.195	0.013	30.211	0.041	30.237	0.057	30.249	0.045
25.410	0.020	25.440	0.020	25.459	0.020	25.486	0.056	30.277	0.033	30.305	0.028	30.343	0.014	30.366	-0.006
25.508	0.072	25.523	0.068	25.539	0.044	25.559	0.032	30.395	-0.007	30.416	-0.016	30.456	-0.001	30.485	0.006
25.582	0.040	25.604	0.056	25.621	0.072	25.637	0.044	30.525	-0.003	30.570	0.014	30.611	0.015	30.634	0.035
25.651	0.028	25.667	0.024	25.688	0.032	25.703	0.044	30.665	0.054	30.683	0.014	30.709	-0.019	30.729	-0.007
25.733	0.064	25.748	0.056	25.763	0.048	25.777	0.056	30.750	0.028	30.780	0.040	30.805	0.080	30.831	0.048
25.801	0.076	25.813	0.040	25.829	0.024	25.838	0.028	30.856	0.028	30.882	0.052	30.906	0.080	30.932	0.064
25.852	0.040	25.871	0.072	25.888	0.092	25.903	0.116	30.973	0.048	31.014	0.048	31.052	0.060	31.081	0.068
25.925	0.050	25.942	0.076	25.957	0.072	25.978	0.080	31.114	0.024	31.126	0.016	31.151	0.032	31.199	0.024
25.991	0.056	26.014	0.088	26.032	0.068	26.047	0.081	31.228	0.036	31.283	0.016	31.329	-0.028	31.355	-0.060
26.069	0.093	26.087	0.105	26.116	0.129	26.137	0.133	31.361	-0.084	31.401	-0.108	31.419	-0.088	31.445	-0.084
26.153	0.117	26.175	0.077	26.196	0.045	26.218	0.037	31.463	-0.044	31.488	-0.016	31.503	0.000	31.514	-0.024
26.245	0.037	26.268	0.066	26.279	0.074	26.305	0.078	31.538	-0.064	31.583	-0.060	31.594	-0.048	31.626	-0.068
26.321	0.094	26.337	0.106	26.356	0.082	26.374	0.058	31.654	-0.072	31.677	-0.077	31.695	-0.057	31.704	-0.077
26.398	0.031	26.404	0.023	26.423	0.035	26.440	0.059	31.731	-0.089	31.755	-0.101	31.779	-0.109	31.804	-0.101
26.458	0.079	26.470	0.067	26.487	0.043	26.501	0.016	31.813	-0.073	31.823	-0.053	31.841	-0.041	31.865	-0.025
26.523	0.020	26.543	0.040	26.565	0.029	26.595	0.017	31.880	-0.026	31.885	-0.042	31.893	-0.042	31.895	-0.045
26.616	0.013	26.632	0.022	26.652	0.034	26.669	0.050	31.897	-0.045	31.898	-0.045	31.901	-0.044	31.924	-0.066
26.658	0.055	26.671	0.055	26.731	0.055	26.751	0.020	31.947	-0.084	31.970	-0.060	31.992	-0.077	32.010	-0.065
26.761	0.008	26.781	0.033	26.807	0.038	26.834	0.058	32.025	-0.041	32.041	-0.030	32.056	-0.034	32.074	-0.042
26.864	0.051	26.887	0.044	26.916	0.033	26.933	0.029	32.091	-0.064	32.107	-0.079	32.125	-0.075	32.146	-0.052
26.957	0.058	26.981	0.086	26.995	0.115	27.014	0.119	32.166	-0.036	32.181	-0.052	32.195	-0.073	32.214	-0.045
27.025	0.067	27.053	0.064	27.058	0.068	27.089	0.068	32.227	-0.021	32.248	-0.005	32.264	-0.022	32.280	-0.046
27.101	0.032	27.120	0.005	27.134	-0.023	27.154	-0.031	32.296	-0.066	32.310	-0.062	32.325	-0.039	32.345	-0.027
27.176	-0.010	27.193	0.006	27.209	0.022	27.224	0.042	32.361	-0.027	32.378	-0.039	32.385	-0.044	32.415	-0.040
27.253	0.034	27.280	0.034	27.302	0.018	27.323	0.022	32.431	-0.028	32.450	-0.017	32.467	0.003	32.477	0.031
27.340	0.030	27.355	0.038	27.367	0.006	27.376	-0.026	32.492	0.035	32.506	0.035	32.521	0.022	32.536	0.014
27.399	-0.030	27.430	-0.022	27.444	-0.002	27.474	0.010	32.552	-0.002	32.568	-0.014	32.583	-0.018	32.600	-0.014
27.507	0.004	27.530	0.017	27.555	0.001	27.576	-0.039	32.617	-0.006	32.635	-0.002	32.659	0.002	32.679	0.002
27.590	-0.047	27.605	-0.031	27.623	-0.015	27.640	-0.035	32.701	-0.014	32.724	-0.026	32.749	-0.026	32.768	-0.018
27.682	-0.067	27.710	-0.075	27.715	-0.055	27.734	-0.039	32.792	-0.030	32.818	-0.042	32.838	-0.042	32.866	-0.038
27.756	-0.023	27.784	-0.055	27.802	-0.039	27.825	-0.040	32.893	-0.038	32.932	-0.050	32.932	-0.058	32.946	-0.054
27.840	-0.070	27.858	-0.062	27.890	-0.034	27.914	-0.062	32.968	-0.047	32.990	-0.026	33.012	-0.023	33.034	-0.019
27.939	-0.082	27.956	-0.097	27.981	-0.093	28.004	-0.069	33.062	-0.019	33.081	-0.019	33.111	-0.015	33.129	-0.023
28.038	-0.065	28.058	-0.081	28.090	-0.065	28.112	-0.044	33.153	0.005	33.169	0.013	33.183	0.021	33.201	-0.003
28.142	-0.056	28.172	-0.088	28.194	-0.080	28.234	-0.072	33.222	-0.011	33.243	0.016	33.255	0.044	33.270	0.060
28.258	-0.080	28.302	-0.064	28.324	-0.060	28.352	-0.024	33.290	0.048	33.308	0.024	33.324	0.032	33.343	0.056
28.360	-0.000	28.388	-0.032	28.405	-0.076	28.426	-0.056	33.365	0.072	33.401	0.075	33.427	0.075	33.452	0.059
28.442	-0.048	28.475	-0.036	28.485	-0.048	28.508	-0.072	33.451	0.043	33.474	0.059	33.496	0.051	33.527	0.042
28.522	-0.048	28.551	-0.040	28.571	-0.028	28.586	-0.032	33.552	0.054	33.560	0.077	33.597	0.065	33.633	0.037



33.654	0.020	33.674	0.028	33.699	0.032	33.722	0.015	33.640	-0.036	33.662	-0.020	33.683	-0.012	33.705	-0.004
33.747	-0.001	33.767	0.019	33.795	0.047	33.815	0.040	33.728	-0.012	33.761	-0.024	33.788	-0.024	33.818	-0.016
33.833	0.042	33.858	0.010	33.881	-0.006	33.901	0.018	33.844	-0.004	33.865	0.012	33.886	0.012	33.904	0.004
33.925	-0.022	33.951	0.002	33.980	0.029	34.009	0.029	33.928	0.004	33.948	0.012	33.957	0.016	33.978	0.020
34.032	0.005	34.058	-0.031	34.077	-0.043	34.101	-0.027	33.958	0.020	34.011	0.020	34.026	0.020	34.042	0.012
34.127	-0.011	34.146	-0.004	34.177	-0.016	34.202	-0.028	34.099	0.004	34.121	0.004	34.150	0.008	34.178	0.020
34.229	-0.052	34.250	-0.056	34.278	-0.048	34.303	-0.028	34.217	0.012	34.258	-0.004	34.291	-0.004	34.318	0.004
34.329	-0.064	34.357	-0.064	34.381	-0.036	34.401	-0.028	34.352	0.004	34.384	-0.008	34.417	0.004	34.443	0.016
34.445	-0.032	34.469	-0.052	34.486	-0.073	34.516	-0.077	34.4352	0.004	34.459	-0.016	34.482	-0.016	34.517	0.004
34.538	-0.065	34.572	-0.057	34.594	-0.037	34.633	-0.037	34.603	0.016	34.644	0.004	34.650	0.004	34.670	0.004
34.654	-0.053	34.742	-0.046	34.705	-0.070	34.718	-0.070	34.758	0.016	34.782	0.036	34.797	0.032	34.832	0.004
34.845	-0.006	34.870	0.005	34.780	-0.026	34.803	-0.006	34.841	-0.004	34.873	-0.004	34.894	0.004	34.921	0.019
34.942	-0.027	34.960	-0.035	34.979	-0.027	35.013	-0.011	34.947	0.043	35.063	0.055	35.088	0.055	35.121	0.039
35.041	0.001	35.070	0.001	35.099	0.025	35.131	0.033	35.048	0.035	35.100	0.035	35.153	0.034	35.142	0.042
35.144	0.013	35.168	0.001	35.191	0.020	35.223	0.048	35.189	0.050	35.220	0.066	35.253	0.049	35.279	0.041
35.247	0.028	35.271	0.024	35.302	0.004	35.324	0.012	35.320	0.044	35.356	0.073	35.380	0.069	35.417	0.048
35.348	0.028	35.371	0.024	35.358	0.020	35.422	0.024	35.480	0.044	35.547	0.044	35.591	0.031	35.664	0.023
35.446	-0.044	35.460	0.040	35.491	0.004	35.514	-0.008	35.472	-0.003	35.509	-0.003	35.545	-0.003	35.585	-0.020
35.529	-0.012	35.550	0.004	35.574	0.024	35.599	0.048	35.532	-0.020	35.609	-0.032	35.645	-0.033	35.685	-0.041
35.619	0.048	35.642	0.032	35.663	0.012	35.678	0.000	35.618	-0.049	35.647	-0.042	35.683	-0.040	35.717	-0.043
35.699	0.008	35.726	0.028	35.754	0.044	35.789	0.052	35.728	-0.044	35.765	-0.040	35.800	-0.040	35.832	-0.040
35.820	0.064	35.849	0.068	35.899	0.060	35.933	0.060	35.883	-0.029	35.918	-0.023	35.958	-0.029	36.000	-0.029
35.972	0.060	36.002	0.028	36.021	0.016	36.057	0.024	35.940	-0.044	36.000	-0.044	36.040	-0.040	36.079	-0.040
36.086	0.035	36.122	0.015	36.161	0.010	36.196	-0.018	36.123	-0.013	36.161	-0.013	36.200	-0.013	36.238	-0.013
36.231	-0.035	36.254	-0.043	36.272	-0.039	36.300	-0.012	36.233	-0.006	36.271	-0.006	36.300	-0.010	36.338	-0.010
36.323	-0.008	36.335	-0.024	36.371	-0.061	36.393	-0.061	36.323	-0.006	36.361	-0.006	36.393	-0.006	36.425	-0.006
36.417	-0.045	36.443	-0.050	36.474	-0.074	36.497	-0.062	36.417	-0.009	36.452	-0.009	36.485	-0.009	36.517	-0.009
36.521	-0.035	36.546	-0.023	36.572	-0.016	36.586	-0.016	36.521	-0.001	36.557	-0.001	36.590	-0.001	36.622	-0.001
36.600	-0.040	36.627	-0.065	36.640	-0.065	36.664	-0.062	36.600	0.016	36.635	0.016	36.667	0.016	36.699	0.016
36.665	-0.050	36.705	-0.030	36.723	-0.027	36.747	-0.019	36.665	0.032	36.699	0.032	36.733	0.032	36.767	0.032
36.770	-0.019	36.796	-0.024	36.833	-0.053	36.868	-0.049	36.770	0.040	36.804	0.040	36.838	0.040	36.872	0.040
36.896	-0.070	36.929	-0.062	36.957	-0.051	37.003	-0.031	36.896	0.044	36.930	0.044	36.964	0.044	37.000	0.044
37.026	-0.027	37.047	-0.011	37.074	-0.007	37.104	-0.024	37.026	0.040	37.060	0.040	37.094	0.040	37.128	0.040
37.137	-0.020	37.160	-0.000	37.174	-0.012	37.256	0.007	37.137	0.027	37.171	0.027	37.205	0.027	37.239	0.027
37.279	0.007	37.304	0.023	37.329	0.039	37.350	0.035	37.279	0.040	37.314	0.040	37.348	0.040	37.382	0.040
37.373	0.019	37.404	0.026	37.433	0.034	37.465	0.042	37.373	0.044	37.408	0.044	37.442	0.044	37.476	0.044
37.499	0.038	37.529	0.030	37.547	0.022	37.570	0.022	37.499	0.044	37.534	0.044	37.568	0.044	37.602	0.044
37.588	0.022	37.616	0.018	37.652	0.014	37.687	0.018	37.588	0.044	37.622	0.044	37.656	0.044	37.690	0.044
37.723	0.022	37.745	0.042	37.761	0.038	37.774	0.034	37.723	0.044	37.758	0.044	37.792	0.044	37.826	0.044
37.800	0.034	37.828	0.021	37.843	0.025	37.880	0.025	37.800	0.044	37.834	0.044	37.868	0.044	37.902	0.044
37.909	0.021	37.933	0.025	37.964	0.028	37.978	0.016	37.909	0.044	37.943	0.044	37.977	0.044	38.011	0.044
37.985	0.016	38.000	0.028	38.023	0.052	38.044	0.060	37.985	0.044	38.019	0.044	38.053	0.044	38.087	0.044
38.067	0.044	38.098	0.015	38.121	0.003	38.153	0.007	38.067	0.044	38.101	0.044	38.135	0.044	38.169	0.044
38.186	0.015	38.225	0.010	38.271	0.010	38.315	0.007	38.186	0.044	38.220	0.044	38.254	0.044	38.288	0.044
38.351	-0.007	38.372	-0.004	38.419	0.007	38.451	0.024	38.351	-0.007	38.385	-0.007	38.419	-0.007	38.453	-0.007
38.488	0.022	38.515	0.030	38.542	0.029	38.606	0.024	38.488	0.044	38.522	0.044	38.556	0.044	38.590	0.044
38.634	0.043	38.656	0.043	38.686	0.050	38.714	0.034	38.634	0.044	38.668	0.044	38.702	0.044	38.736	0.044
38.732	0.025	38.747	0.013	38.768	-0.007	38.781	-0.008	38.732	0.044	38.766	0.044	38.800	0.044	38.834	0.044
38.801	-0.008	38.824	0.009	38.855	-0.009	38.879	-0.002	38.801	-0.008	38.835	-0.008	38.869	-0.008	38.903	-0.008
38.992	-0.002	38.914	-0.026	38.922	-0.042	38.946	-0.070	38.992	-0.008	39.026	-0.008	39.060	-0.008	39.094	-0.008
39.011	-0.063	39.046	-0.071	39.081	-0.063	39.104	-0.064	39.011	-0.063	39.045	-0.063	39.079	-0.063	39.113	-0.063
39.194	-0.084	39.227	-0.084	39.275	-0.080	39.324	-0.080	39.194	-0.084	39.228	-0.084	39.262	-0.084	39.296	-0.084
39.368	-0.084	39.413	-0.084	39.441	-0.072	39.483	-0.060	39.368	-0.084	39.402	-0.084	39.436	-0.084	39.470	-0.084
39.521	-0.044	39.545	-0.060	39.569	-0.060	39.611	-0.048	39.521	-0.044	39.555	-0.044	39.589	-0.044	39.623	-0.044



46.155	0.013	46.215	0.001	46.234	-0.011	46.259	-0.011	53.051	0.004	53.108	0.004	53.122	0.004	53.137	-0.001
46.285	-0.012	46.306	-0.019	46.328	-0.035	46.346	-0.035	53.181	-0.002	53.181	-0.002	53.196	-0.003	53.210	-0.003
46.365	-0.031	46.386	-0.031	46.401	-0.027	46.421	-0.024	53.238	-0.004	53.238	-0.004	53.251	-0.004	53.264	0.003
46.443	-0.020	46.460	-0.015	46.480	-0.027	46.499	-0.035	53.282	0.003	53.300	0.002	53.314	-0.002	53.325	0.002
46.523	-0.043	46.543	-0.043	46.564	-0.035	46.586	-0.030	53.363	0.003	53.376	0.003	53.376	0.003	53.351	-0.004
46.607	-0.034	46.630	-0.046	46.654	-0.050	46.677	-0.050	53.406	-0.008	53.421	-0.009	53.435	-0.013	53.445	-0.014
46.656	-0.045	46.678	-0.049	46.738	-0.053	46.761	-0.057	53.458	-0.014	53.471	-0.014	53.486	-0.014	53.502	-0.010
46.783	-0.037	46.807	-0.052	46.832	-0.048	46.861	-0.036	53.521	-0.002	53.545	0.002	53.571	0.002	53.585	-0.007
46.885	-0.039	46.914	-0.047	46.939	-0.051	46.966	-0.046	53.614	-0.015	53.636	-0.019	53.658	-0.015	53.676	-0.011
46.958	-0.038	47.028	-0.041	47.060	-0.037	47.091	-0.032	53.652	-0.007	53.714	-0.003	53.734	-0.008	53.778	0.001
47.122	-0.032	47.152	-0.028	47.176	-0.024	47.209	-0.024	53.793	0.005	53.810	-0.003	53.833	-0.019	53.858	-0.031
47.233	-0.012	47.253	-0.012	47.279	-0.008	47.310	-0.000	53.887	-0.027	53.915	-0.019	53.936	-0.015	53.965	-0.011
47.340	0.003	47.365	0.003	47.405	0.007	47.427	0.003	53.982	-0.011	54.008	-0.019	54.033	-0.030	54.057	-0.026
47.451	0.015	47.473	0.019	47.494	0.027	47.513	0.027	54.060	-0.022	54.106	-0.010	54.137	0.002	54.159	0.019
47.567	0.018	47.625	0.021	47.667	0.025	47.688	0.024	54.163	0.027	54.203	0.027	54.226	0.019	54.246	0.003
47.709	0.028	47.735	0.032	47.758	0.035	47.779	0.043	54.271	-0.005	54.313	-0.001	54.336	0.015	54.356	0.023
47.805	0.039	47.838	0.050	47.868	0.046	47.896	0.045	54.378	0.031	54.398	0.035	54.421	0.035	54.443	0.035
47.919	0.041	47.935	0.041	47.971	0.048	47.991	0.052	54.460	0.031	54.486	0.023	54.511	0.027	54.521	0.039
48.130	0.033	48.167	0.037	48.199	0.025	48.231	0.021	54.541	0.035	54.661	0.035	54.688	0.039	54.715	0.043
48.252	-0.026	48.280	-0.002	48.307	-0.009	48.365	-0.004	54.733	0.035	54.756	0.019	54.775	0.016	54.802	0.012
48.377	-0.000	48.405	0.000	48.437	-0.003	48.467	-0.006	54.828	0.016	54.852	0.020	54.877	0.024	54.900	0.033
48.523	-0.014	48.550	-0.025	48.579	-0.021	48.609	-0.021	54.924	0.021	54.947	0.017	54.972	-0.007	54.997	-0.011
48.633	-0.013	48.653	-0.005	48.675	-0.005	48.699	0.003	55.017	-0.018	55.036	-0.006	55.061	0.002	55.078	0.008
48.732	-0.001	48.761	-0.017	48.792	-0.025	48.822	-0.021	55.120	0.005	55.136	0.014	55.157	0.010	55.178	0.006
48.852	-0.017	48.882	-0.017	48.909	-0.009	48.939	-0.005	55.207	0.002	55.232	0.006	55.253	0.006	55.274	0.006
48.964	-0.001	48.991	-0.001	49.017	-0.009	49.048	-0.014	55.299	0.006	55.329	0.010	55.344	0.002	55.366	-0.006
49.076	-0.022	49.104	-0.021	49.138	-0.013	49.177	-0.013	55.395	-0.006	55.419	0.002	55.454	0.002	55.483	0.002
49.230	-0.012	49.270	-0.020	49.300	-0.028	49.326	-0.024	55.507	0.002	55.538	0.003	55.563	0.003	55.583	-0.001
49.348	-0.012	49.374	-0.004	49.401	-0.003	49.422	-0.003	55.605	-0.009	55.626	-0.013	55.647	-0.003	55.667	-0.017
49.440	-0.015	49.460	-0.018	49.482	-0.022	49.524	-0.022	55.653	-0.017	55.717	-0.013	55.737	-0.009	55.758	-0.008
49.556	-0.025	49.601	-0.025	49.619	-0.012	49.650	-0.016	55.778	-0.012	55.863	-0.020	55.820	-0.020	55.842	-0.016
49.677	-0.020	49.704	-0.019	49.728	-0.011	49.754	-0.023	55.870	-0.016	55.896	-0.015	55.920	-0.015	55.942	-0.023
49.778	-0.015	49.805	-0.018	49.833	-0.022	49.866	-0.022	55.962	-0.027	55.991	-0.035	56.014	-0.043	56.042	-0.039
49.910	-0.017	49.958	-0.017	49.989	-0.008	50.014	-0.004	56.063	-0.035	56.092	-0.035	56.120	-0.023	56.145	-0.019
50.035	-0.004	50.062	-0.020	50.091	-0.015	50.116	-0.011	56.173	-0.023	56.194	-0.039	56.217	-0.051	56.242	-0.043
50.149	0.002	50.217	0.003	50.300	-0.000	50.380	0.005	56.272	-0.027	56.252	-0.015	56.311	-0.011	56.332	-0.007
50.420	0.002	50.455	-0.010	50.480	-0.018	50.511	-0.005	56.358	-0.007	56.380	-0.011	56.400	-0.011	56.415	-0.011
50.547	0.003	50.580	0.024	50.600	0.012	50.625	0.000	56.442	-0.003	56.462	0.000	56.485	-0.020	56.504	0.024
50.657	-0.008	50.682	0.001	50.728	0.001	50.764	0.005	56.528	0.024	56.550	0.024	56.575	0.028	56.598	0.020
50.796	0.010	50.834	0.014	50.868	0.014	50.909	0.001	56.621	0.015	56.639	0.011	56.658	0.015	56.677	0.023
50.944	-0.003	50.970	0.005	50.996	0.018	51.015	0.022	56.658	0.027	56.721	0.035	56.744	0.034	56.765	0.034
51.051	0.021	51.072	0.029	51.092	0.029	51.125	0.021	56.780	0.030	56.803	0.026	56.820	0.017	56.838	0.009
51.186	0.021	51.264	0.025	51.331	0.013	51.382	0.016	56.862	0.015	56.881	0.004	56.899	0.008	56.920	0.016
51.411	0.012	51.447	0.016	51.503	0.008	51.557	0.004	56.944	0.005	56.965	0.015	56.984	0.007	57.007	0.003
51.584	-0.004	51.621	-0.008	51.688	-0.008	51.753	0.000	57.036	0.006	57.062	0.010	57.086	0.014	57.112	0.014
51.775	0.000	51.813	-0.012	51.843	-0.024	51.859	-0.028	57.136	0.010	57.161	0.009	57.181	0.013	57.208	0.021
51.955	0.016	51.931	-0.012	51.959	-0.012	51.978	-0.012	57.234	0.029	57.261	0.025	57.286	0.024	57.305	0.012
52.005	-0.008	52.037	-0.024	52.071	-0.028	52.114	-0.024	57.336	0.008	57.365	0.012	57.398	0.016	57.430	0.020
52.160	-0.024	52.158	-0.020	52.244	-0.015	52.285	-0.015	57.459	0.020	57.451	0.016	57.517	0.012	57.536	0.012
52.309	-0.015	52.347	-0.015	52.356	-0.014	52.429	-0.014	57.586	0.012	57.625	0.012	57.681	0.011	57.686	0.007
52.447	-0.006	52.487	0.002	52.525	-0.002	52.570	0.003	57.769	-0.001	57.730	-0.001	57.758	-0.005	57.783	-0.002
52.617	-0.001	52.670	0.004	52.730	0.005	52.804	0.014	57.807	0.002	57.830	0.002	57.853	0.001	57.866	-0.003
52.855	0.015	52.921	0.004	52.973	-0.008	52.977	-0.008	57.910	-0.003	57.930	-0.003	57.953	-0.004	57.976	-0.004
52.980	-0.008	52.985	-0.008	53.006	-0.004	53.026	-0.004	58.001	0.004	58.025	0.007	58.050	0.011	58.074	0.015
53.035	-0.004	53.050	-0.004	53.062	0.000	53.074	0.000	58.099	0.015	58.121	0.015	58.145	0.011	58.176	0.011



58.206	0.011	58.240	0.011	58.268	-0.006	58.305	-0.002	64.147	0.011	64.162	0.007	64.170	0.003	64.191	0.014
58.326	0.002	58.351	0.006	58.371	0.006	58.400	0.006	64.216	0.006	64.236	0.014	64.256	0.017	64.268	0.017
58.330	0.002	58.462	-0.014	58.452	-0.014	58.518	-0.011	64.295	0.016	64.313	0.014	64.336	0.004	64.355	-0.001
58.544	-0.011	58.595	-0.011	58.595	-0.003	58.625	0.001	64.376	0.003	64.357	0.018	64.420	0.026	64.445	0.017
58.646	0.005	58.672	0.005	58.694	0.009	58.729	0.013	64.461	0.013	64.482	0.017	64.493	-0.002	64.507	-0.002
58.769	0.012	58.861	0.012	58.842	0.012	58.869	0.008	64.524	0.006	64.544	0.013	64.558	0.004	64.573	0.016
58.955	0.004	58.932	-0.009	58.967	-0.017	58.995	0.003	64.577	0.025	64.619	0.029	64.635	0.030	64.651	0.026
59.025	0.003	59.057	-0.009	59.094	-0.017	59.131	-0.017	64.655	0.006	64.703	0.028	64.728	0.022	64.748	0.014
59.163	-0.013	59.200	-0.013	59.235	-0.021	59.264	-0.025	64.767	0.006	64.790	0.019	64.813	0.008	64.832	0.021
59.256	-0.020	59.327	-0.019	59.357	-0.018	59.381	-0.017	64.866	0.042	64.854	0.026	64.914	0.017	64.945	0.020
59.404	-0.017	59.426	-0.016	59.450	-0.007	59.483	0.006	64.981	0.007	65.016	0.029	65.054	0.010	65.089	0.007
59.510	0.006	59.539	0.007	59.560	0.008	59.594	0.013	65.118	0.012	65.143	0.028	65.176	0.008	65.205	0.004
59.620	0.013	59.644	0.010	59.667	0.007	59.697	-0.000	65.290	0.012	65.277	0.007	65.308	0.003	65.334	-0.002
59.730	0.000	59.763	0.001	59.787	0.005	59.811	0.017	65.363	0.001	65.405	-0.001	65.435	-0.010	65.483	-0.020
59.854	0.020	59.886	0.020	59.913	0.015	59.948	0.011	65.517	-0.005	65.544	-0.010	65.576	-0.011	65.614	-0.024
59.973	0.010	59.985	0.010	60.015	0.016	60.044	0.013	65.626	-0.020	65.641	-0.009	65.664	-0.008	65.684	0.003
60.074	0.013	60.056	0.017	60.130	0.016	60.155	0.012	65.706	0.009	65.723	0.009	65.747	-0.004	65.764	0.003
60.188	0.012	60.218	0.015	60.241	0.019	60.269	0.023	65.782	-0.004	65.797	-0.007	65.815	-0.010	65.838	-0.010
60.312	0.025	60.334	0.019	60.369	0.016	60.403	0.009	65.861	-0.002	65.882	-0.002	65.904	-0.007	65.925	-0.007
60.422	0.005	60.454	0.017	60.486	0.014	60.530	0.006	65.949	-0.003	65.972	-0.004	65.985	-0.008	66.007	-0.004
60.568	0.006	60.602	0.006	60.662	-0.002	60.693	-0.006	66.030	-0.007	66.053	-0.005	66.065	-0.000	66.092	0.005
60.732	-0.010	60.757	0.018	60.789	-0.023	60.825	-0.019	66.118	0.006	66.138	0.017	66.167	0.008	66.181	0.009
60.856	-0.020	60.889	-0.016	60.926	-0.017	60.952	-0.021	66.203	0.005	66.228	-0.013	66.250	-0.010	66.281	-0.001
60.991	-0.022	61.014	-0.014	61.040	-0.011	61.068	-0.007	66.305	0.021	66.341	0.018	66.367	0.004	66.401	0.007
61.094	-0.011	61.128	-0.012	61.150	-0.012	61.185	-0.012	66.430	0.001	66.461	0.002	66.493	0.010	66.517	0.026
61.198	-0.012	61.233	-0.017	61.253	-0.021	61.285	-0.017	66.543	0.026	66.573	0.031	66.588	0.027	66.613	0.016
61.316	-0.006	61.355	-0.006	61.388	-0.011	61.422	-0.011	66.630	-0.004	66.656	0.001	66.701	0.021	66.715	0.022
61.455	-0.012	61.483	-0.012	61.514	-0.008	61.537	-0.009	66.757	0.030	66.787	0.031	66.810	0.031	66.833	0.028
61.562	-0.005	61.591	-0.001	61.615	-0.001	61.644	-0.001	66.852	0.024	66.874	0.032	66.858	0.012	66.926	0.023
61.668	0.003	61.651	0.007	61.721	0.011	61.746	0.018	66.959	0.043	66.983	0.046	67.012	0.037	67.040	0.020
61.772	0.018	61.798	0.018	61.823	0.022	61.849	0.018	67.070	0.015	67.093	0.047	67.117	0.039	67.154	0.035
61.874	0.022	61.895	0.041	61.936	0.037	61.963	0.029	67.193	0.036	67.223	0.037	67.232	0.037	67.257	0.045
61.993	0.025	62.028	0.020	62.051	0.016	62.073	0.016	67.280	0.043	67.316	0.037	67.334	0.021	67.357	0.029
62.089	0.016	62.114	0.008	62.143	0.004	62.172	0.004	67.357	0.042	67.425	0.050	67.439	0.042	67.457	0.034
62.157	0.004	62.227	-0.004	62.257	-0.005	62.278	-0.009	67.473	0.026	67.496	0.025	67.523	0.025	67.546	0.025
62.308	-0.012	62.341	-0.012	62.361	-0.008	62.385	-0.008	67.579	0.028	67.616	0.027	67.642	0.022	67.671	0.017
62.406	-0.007	62.434	-0.003	62.473	0.005	62.456	0.005	67.657	0.016	67.735	0.011	67.764	0.010	67.801	0.009
62.518	0.009	62.545	0.009	62.573	0.001	62.598	-0.007	67.827	0.004	67.845	0.003	67.881	0.002	67.904	-0.010
62.630	-0.007	62.654	-0.007	62.673	-0.003	62.701	0.005	67.933	-0.007	67.951	-0.003	67.984	0.000	68.014	-0.006
62.725	0.009	62.752	0.009	62.772	0.003	62.795	-0.010	68.035	-0.025	68.065	-0.013	68.091	-0.013	68.130	-0.025
62.830	-0.022	62.853	-0.022	62.875	-0.022	62.903	-0.022	68.157	-0.028	68.159	-0.003	68.232	-0.018	68.260	-0.014
62.932	-0.026	62.950	-0.034	62.979	-0.042	63.008	-0.042	68.254	-0.005	68.323	-0.008	68.344	-0.015	68.375	-0.011
63.030	-0.042	63.054	-0.041	63.082	-0.033	63.105	-0.029	68.414	0.009	68.447	0.001	68.482	-0.011	68.518	-0.015
63.135	-0.016	63.168	-0.012	63.203	-0.015	63.233	-0.019	68.549	0.001	68.590	-0.004	68.613	-0.025	68.635	-0.025
63.263	-0.015	63.287	-0.015	63.313	-0.015	63.334	-0.014	68.661	-0.010	68.718	-0.015	68.750	-0.027	68.780	-0.024
63.363	-0.002	63.383	-0.006	63.403	-0.014	63.426	-0.014	68.806	-0.012	68.825	-0.016	68.856	-0.016	68.867	-0.016
63.448	-0.014	63.464	-0.010	63.455	-0.002	63.520	-0.002	68.906	-0.024	68.927	-0.016	68.953	-0.016	68.974	-0.020
63.539	0.010	63.558	0.010	63.581	0.007	63.602	-0.000	68.953	-0.028	68.915	-0.024	69.048	-0.013	69.056	-0.013
63.626	0.000	63.645	0.001	63.662	0.005	63.689	0.014	69.076	-0.014	69.058	-0.014	69.128	0.010	69.146	-0.036
63.715	0.018	63.734	0.027	63.763	0.015	63.770	0.003	69.170	-0.037	69.194	-0.005	69.212	0.010	69.238	0.010
63.787	-0.001	63.799	-0.005	63.814	-0.005	63.828	-0.005	69.257	-0.003	69.280	-0.003	69.252	-0.031	69.317	-0.032
63.845	-0.001	63.861	0.003	63.878	0.003	63.892	0.016	69.342	-0.008	69.358	0.004	69.373	0.012	69.355	0.008
63.908	0.016	63.924	0.031	63.942	0.026	63.962	0.006	69.414	0.008	69.439	0.004	69.465	0.008	69.486	0.004
63.976	0.011	63.998	0.022	64.016	0.025	64.032	0.025	69.456	-0.004	69.516	-0.008	69.541	0.003	69.575	0.018
64.043	0.024	64.052	0.020	64.063	0.015	64.075	0.018	69.558	0.007	69.626	0.011	69.649	0.023	69.674	0.018
64.086	0.014	64.099	0.021	64.116	0.020	64.130	0.016	69.653	0.022	69.720	0.026	69.741	0.010	69.761	0.010



65.779	0.010	65.803	0.010	69.823	0.022	69.836	0.013	74.753	-0.006	74.764	-0.010	74.771	-0.016	74.783	-0.010
69.853	0.025	69.873	0.033	69.902	0.025	69.924	0.012	74.794	-0.006	74.803	-0.002	74.815	-0.006	74.827	-0.010
69.949	0.013	69.983	0.025	70.004	0.041	70.028	0.038	74.835	0.014	74.851	0.006	74.863	0.006	74.880	-0.010
70.050	0.054	70.067	0.050	70.055	0.043	70.113	0.031	74.857	0.002	74.854	0.002	74.928	-0.002	74.952	-0.014
70.152	0.040	70.157	0.045	70.157	0.041	70.211	0.025	74.967	-0.006	74.980	0.002	74.958	0.002	75.013	-0.002
70.226	0.022	70.247	0.034	70.280	0.023	70.306	0.036	75.024	-0.002	75.002	-0.002	75.049	-0.002	75.066	-0.002
70.328	0.033	70.347	0.013	70.369	0.002	70.397	0.019	75.077	-0.002	75.052	-0.002	75.105	-0.003	75.119	-0.001
70.413	0.039	70.439	0.012	70.459	0.012	70.479	0.016	75.134	0.013	75.148	0.005	75.159	-0.011	75.170	-0.015
70.510	0.013	70.530	-0.010	70.552	-0.010	70.576	-0.001	75.184	-0.001	75.201	-0.001	75.217	0.001	75.232	-0.008
70.603	-0.005	70.628	0.004	70.651	0.005	70.672	-0.011	75.242	0.004	75.256	0.004	75.266	-0.000	75.285	-0.000
70.694	-0.028	70.717	-0.028	70.745	-0.020	70.764	-0.029	75.307	0.004	75.320	-0.001	75.335	-0.001	75.348	0.003
70.758	-0.038	70.820	-0.037	70.834	-0.013	70.857	-0.028	75.358	0.003	75.375	0.007	75.386	0.007	75.404	0.006
70.884	-0.021	70.899	-0.034	70.911	-0.029	70.925	-0.029	75.418	0.010	75.431	-0.002	75.447	-0.006	75.459	-0.006
70.936	-0.037	70.943	-0.044	70.950	-0.048	70.968	-0.052	75.473	-0.006	75.483	-0.019	75.455	-0.015	75.510	-0.011
70.996	-0.035	71.017	-0.030	71.032	-0.014	71.053	-0.005	75.523	-0.003	75.536	0.001	75.545	0.009	75.558	0.005
71.085	-0.020	71.107	-0.024	71.139	-0.016	71.185	-0.016	75.569	0.005	75.583	0.003	75.558	0.013	75.609	0.005
71.208	-0.012	71.233	-0.017	71.263	-0.021	71.304	-0.013	75.621	0.005	75.630	0.001	75.639	0.001	75.648	0.001
71.332	-0.013	71.366	-0.012	71.398	-0.008	71.428	0.005	75.660	0.001	75.672	0.003	75.689	0.009	75.701	0.009
71.459	0.002	71.486	0.008	71.517	-0.017	71.542	-0.005	75.716	0.009	75.735	-0.003	75.748	-0.003	75.767	-0.003
71.577	0.005	71.605	0.019	71.636	0.016	71.668	0.006	75.785	0.001	75.795	0.001	75.812	0.001	75.828	-0.003
71.683	0.007	71.712	0.009	71.738	0.022	71.777	0.025	75.846	0.001	75.865	-0.003	75.878	0.005	75.893	0.009
71.789	0.021	71.754	0.013	71.833	0.005	71.875	0.011	75.905	0.013	75.922	0.013	75.934	0.021	75.950	0.017
71.915	0.016	71.949	0.014	71.975	0.008	72.000	0.010	75.965	0.009	75.976	0.009	75.953	0.013	76.007	0.013
72.033	-0.000	72.057	-0.001	72.068	0.011	72.095	0.011	76.023	0.009	76.041	0.001	76.055	0.001	76.072	-0.007
72.109	-0.001	72.123	-0.006	72.136	0.006	72.147	0.006	76.051	0.000	76.104	0.004	76.118	0.004	76.130	0.004
72.156	0.014	72.174	0.014	72.193	0.010	72.209	0.010	76.140	0.008	76.152	0.006	76.165	0.011	76.180	0.015
72.229	0.010	72.242	0.005	72.265	0.009	72.288	0.012	76.151	0.011	76.205	0.007	76.219	-0.001	76.234	-0.009
72.259	0.011	72.215	0.012	72.331	0.008	72.350	0.012	76.245	-0.010	76.259	-0.006	76.271	-0.010	76.291	-0.014
72.372	0.020	72.387	0.016	72.420	0.022	72.426	0.013	76.301	-0.010	76.318	-0.006	76.332	-0.002	76.339	-0.010
72.455	0.005	72.477	0.009	72.456	0.022	72.519	0.027	76.354	-0.006	76.368	0.006	76.383	0.010	76.392	-0.010
72.548	0.028	72.571	0.025	72.587	0.021	72.617	0.015	76.358	-0.002	76.410	-0.002	76.425	-0.006	76.435	-0.014
72.649	0.032	72.687	0.037	72.713	0.029	72.750	0.021	76.451	-0.018	76.463	-0.018	76.473	-0.010	76.486	-0.019
72.773	0.033	72.817	0.029	72.841	0.024	72.869	0.028	76.500	-0.015	76.514	-0.010	76.528	-0.006	76.543	-0.010
72.907	0.035	72.938	0.034	72.980	0.000	73.031	0.019	76.558	-0.002	76.572	-0.002	76.587	-0.010	76.604	-0.010
73.083	0.018	73.110	0.005	73.145	0.025	73.184	0.024	76.620	-0.010	76.637	-0.002	76.647	-0.017	76.664	-0.017
73.203	0.012	73.220	0.004	73.243	-0.001	73.270	0.004	76.675	-0.009	76.687	-0.009	76.699	-0.017	76.711	-0.017
73.290	0.013	73.315	0.010	73.338	0.006	73.359	0.003	76.718	-0.021	76.730	-0.029	76.744	-0.025	76.756	-0.025
73.374	0.008	73.392	0.012	73.413	0.009	73.439	0.002	76.780	-0.025	76.785	-0.025	76.802	-0.029	76.817	-0.013
73.465	0.007	73.479	-0.005	73.502	-0.012	73.525	-0.008	76.830	-0.013	76.840	-0.017	76.851	-0.021	76.864	-0.017
73.554	0.000	73.590	0.000	73.622	0.004	73.645	0.004	76.874	-0.017	76.890	-0.017	76.903	-0.025	76.918	-0.017
73.674	-0.008	73.682	-0.004	73.714	-0.005	73.737	-0.009	76.930	-0.017	76.940	-0.021	76.956	-0.013	76.970	-0.009
73.765	-0.009	73.792	-0.006	73.809	0.002	73.828	0.014	76.984	-0.005	76.996	0.003	77.011	-0.005	77.022	-0.017
73.854	-0.002	73.874	-0.006	73.893	0.001	73.912	0.001	77.031	-0.005	77.048	-0.017	77.059	-0.025	77.073	-0.029
73.938	-0.011	73.965	-0.015	73.983	-0.007	74.012	-0.015	77.089	-0.025	77.101	-0.021	77.112	-0.005	77.127	-0.009
74.025	-0.003	74.048	0.013	74.073	0.004	74.101	-0.007	77.140	-0.009	77.154	-0.013	77.166	-0.013	77.181	-0.017
74.123	-0.019	74.138	-0.019	74.148	-0.015	74.185	-0.010	77.195	-0.017	77.203	-0.013	77.215	-0.013	77.226	-0.016
74.202	-0.002	74.229	0.015	74.252	0.014	74.282	-0.003	77.240	-0.018	77.251	-0.018	77.262	-0.022	77.273	-0.022
74.301	-0.004	74.321	0.002	74.339	0.012	74.361	0.015	77.284	-0.018	77.299	-0.014	77.310	-0.010	77.324	0.006
74.376	0.006	74.408	0.007	74.419	0.013	74.440	0.025	77.336	-0.002	77.345	-0.006	77.355	-0.010	77.367	-0.014
74.456	0.040	74.475	0.047	74.485	0.041	74.497	0.035	77.383	-0.018	77.393	-0.022	77.407	-0.018	77.416	-0.018
74.505	0.021	74.518	0.023	74.525	0.028	74.538	0.026	77.427	-0.018	77.441	-0.018	77.454	-0.018	77.464	-0.025
74.545	0.031	74.556	0.045	74.561	0.046	74.568	0.047	77.476	-0.017	77.493	-0.017	77.505	-0.021	77.517	-0.017
74.575	0.048	74.587	0.035	74.600	0.021	74.613	0.003	77.525	-0.013	77.540	-0.009	77.550	-0.005	77.555	-0.013
74.629	0.000	74.640	0.001	74.651	0.006	74.662	0.015	77.574	-0.013	77.595	-0.024	77.604	-0.024	77.616	-0.024
74.677	0.020	74.685	0.021	74.694	0.017	74.703	0.010	77.629	-0.024	77.646	-0.016	77.658	-0.024	77.675	-0.020
74.711	0.019	74.723	0.016	74.732	0.000	74.743	-0.003	77.654	-0.016	77.670	-0.016	77.672	-0.015	77.740	-0.007



77.162	-0.007	77.782	-0.007	77.800	-0.006	77.818	-0.006	81.907	0.003	81.921	-0.001	81.937	-0.005	81.951	-0.004
77.837	-0.006	77.854	-0.001	77.871	0.003	77.886	0.003	81.965	0.004	81.973	0.004	81.992	0.012	82.002	-0.011
77.857	0.003	77.913	-0.001	77.928	0.004	77.945	0.008	82.018	0.005	82.030	0.001	82.043	0.001	82.050	0.005
77.900	0.012	77.965	0.008	77.982	0.012	77.996	0.009	82.060	0.001	82.071	0.005	82.084	0.002	82.103	-0.002
78.014	0.013	78.043	0.017	78.062	0.021	78.062	0.021	82.114	-0.010	82.127	-0.006	82.147	-0.006	82.166	-0.001
78.018	0.013	78.089	0.013	78.103	0.009	78.120	0.014	82.182	-0.005	82.195	-0.009	82.210	-0.009	82.232	-0.029
78.140	0.022	78.153	0.026	78.167	0.034	78.182	0.030	82.253	-0.029	82.270	-0.004	82.286	-0.004	82.307	-0.000
78.198	0.026	78.210	0.022	78.223	0.018	78.238	0.018	82.330	-0.012	82.348	-0.004	82.365	-0.008	82.379	-0.016
78.253	0.019	78.265	0.023	78.281	0.027	78.297	0.031	82.357	-0.008	82.417	-0.008	82.434	-0.004	82.454	0.000
78.313	0.031	78.336	0.031	78.356	0.023	78.371	0.027	82.469	-0.004	82.493	-0.004	82.514	-0.012	82.532	-0.016
78.385	0.020	78.398	0.016	78.416	0.012	78.430	0.020	82.552	-0.012	82.566	-0.012	82.584	-0.004	82.602	-0.004
78.442	0.024	78.458	0.020	78.469	0.016	78.479	0.016	82.624	0.004	82.642	0.004	82.662	0.004	82.681	-0.012
78.490	0.016	78.508	0.017	78.532	0.013	78.558	0.005	82.699	-0.004	82.719	-0.004	82.734	0.000	82.745	-0.012
78.574	0.009	78.594	0.009	78.606	0.017	78.621	0.013	82.766	0.000	82.783	-0.004	82.801	-0.000	82.817	0.008
78.636	0.014	78.655	0.010	78.671	0.014	78.685	0.010	82.831	-0.001	82.846	0.001	82.858	-0.009	82.873	-0.001
78.697	0.014	78.716	0.010	78.733	0.010	78.752	0.010	82.891	-0.001	82.906	0.002	82.923	0.002	82.937	-0.002
78.768	0.014	78.784	0.006	78.756	0.010	78.813	0.010	83.003	-0.003	83.022	-0.015	83.036	-0.015	83.055	-0.019
78.826	0.006	78.840	0.002	78.849	0.010	78.866	0.006	83.069	-0.004	83.086	-0.004	83.101	-0.004	83.114	-0.004
78.878	0.010	78.892	0.014	78.901	0.018	78.912	0.018	83.133	-0.004	83.152	-0.005	83.172	-0.014	83.190	-0.018
78.922	0.014	78.937	0.014	78.949	0.010	78.960	0.002	83.218	-0.001	83.243	-0.006	83.270	-0.014	83.289	-0.018
78.974	0.001	78.986	0.001	79.001	-0.003	79.019	0.001	83.314	-0.006	83.330	-0.006	83.346	0.002	83.370	-0.006
79.036	-0.003	79.048	-0.007	79.062	0.005	79.077	-0.003	83.386	-0.002	83.405	0.018	83.428	0.018	83.452	0.002
79.150	-0.016	79.168	-0.012	79.184	-0.016	79.205	-0.008	83.471	-0.015	83.487	-0.015	83.507	-0.015	83.525	-0.023
79.232	-0.009	79.257	-0.013	79.276	-0.009	79.302	-0.005	83.542	-0.011	83.560	-0.007	83.578	0.001	83.596	0.009
79.412	-0.013	79.434	-0.009	79.451	-0.009	79.466	-0.013	83.613	-0.007	83.631	-0.007	83.655	-0.011	83.676	-0.011
79.479	-0.021	79.497	-0.012	79.511	-0.008	79.526	-0.013	83.652	-0.011	83.670	-0.011	83.722	-0.003	83.737	0.001
79.550	-0.000	79.561	-0.012	79.579	-0.012	79.596	-0.004	83.748	-0.003	83.761	-0.010	83.778	-0.018	83.796	-0.014
79.608	-0.004	79.625	-0.012	79.637	-0.011	79.654	-0.004	83.809	-0.006	83.832	-0.010	83.852	-0.013	83.873	-0.009
79.668	-0.007	79.688	-0.007	79.708	-0.011	79.726	0.009	83.897	-0.009	83.916	-0.005	83.933	-0.013	83.957	-0.009
79.746	0.005	79.767	0.001	79.793	-0.007	79.810	0.003	84.062	-0.021	84.086	-0.025	84.112	-0.009	84.133	-0.013
79.833	0.001	79.848	0.009	79.868	-0.003	79.885	-0.007	84.149	0.008	84.166	-0.008	84.180	-0.012	84.194	-0.017
79.902	-0.007	79.925	-0.011	79.946	-0.011	79.967	0.007	84.211	-0.016	84.225	-0.024	84.246	-0.013	84.271	-0.013
80.071	-0.003	80.094	-0.007	80.118	-0.007	80.150	0.001	84.368	-0.014	84.405	-0.017	84.425	-0.014	84.442	-0.016
80.174	0.001	80.204	-0.007	80.228	0.001	80.258	0.001	84.465	-0.022	84.484	-0.022	84.507	-0.007	84.521	-0.007
80.289	-0.007	80.308	-0.003	80.327	-0.015	80.342	-0.011	84.546	-0.007	84.565	-0.019	84.596	-0.027	84.614	-0.015
80.359	-0.011	80.377	-0.007	80.397	0.001	80.421	-0.003	84.638	-0.016	84.663	-0.012	84.755	-0.004	84.763	-0.004
80.438	0.001	80.455	0.000	80.476	0.000	80.496	-0.004	84.724	-0.012	84.742	-0.012	84.785	-0.000	84.806	-0.000
80.523	-0.008	80.547	-0.008	80.568	-0.008	80.576	-0.008	84.815	-0.004	84.829	-0.004	84.838	-0.012	84.850	-0.008
80.605	-0.005	80.615	0.003	80.628	-0.005	80.655	-0.009	84.856	-0.012	84.865	-0.008	84.881	-0.016	84.897	-0.008
80.682	-0.013	80.705	-0.001	80.725	-0.001	80.749	0.002	84.908	-0.012	84.921	0.000	84.934	-0.004	84.946	0.016
80.767	0.007	80.790	0.003	80.815	0.007	80.836	0.007	84.955	0.020	84.966	0.012	84.979	0.004	84.996	0.008
80.862	0.007	80.885	0.008	80.910	0.004	80.935	-0.000	85.013	-0.020	85.028	-0.012	85.049	-0.008	85.059	-0.016
80.965	0.004	80.987	0.008	81.006	0.012	81.026	0.012	85.074	-0.004	85.089	0.008	85.103	-0.000	85.118	0.004
81.044	0.012	81.068	-0.004	81.092	-0.008	81.111	-0.004	85.134	0.008	85.144	-0.008	85.161	-0.000	85.173	-0.000
81.132	0.008	81.152	0.012	81.182	0.008	81.199	0.008	85.189	0.008	85.206	0.008	85.226	0.004	85.246	0.003
81.220	0.004	81.239	0.000	81.263	0.003	81.282	0.007	85.259	-0.001	85.269	-0.009	85.287	-0.001	85.300	0.007
81.310	0.007	81.340	0.003	81.369	-0.001	81.394	-0.010	85.317	0.007	85.337	0.002				
81.412	-0.010	81.428	-0.002	81.445	-0.002	81.476	0.002								
81.504	-0.006	81.534	-0.006	81.563	-0.002	81.586	-0.002								
81.616	-0.005	81.641	0.007	81.658	0.007	81.685	0.008								
81.710	0.006	81.735	0.000	81.762	-0.003	81.785	0.008								
81.805	0.005	81.823	0.014	81.841	0.010	81.855	0.018								
81.861	0.018	81.874	0.010	81.884	0.007	81.895	-0.001								



IH 120

71.041 2/9/71 0600 PST L.A. 8629 LINCOLN, 12TH FLOOR S E

3608 POINTS 85.300 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 0.2193 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.085	0.034	-0.136	0.057	-0.195	0.065	-0.230	3.205	-0.055	3.225	-0.027	3.263	0.001	3.268	0.021
0.080	-0.230	0.096	-0.194	0.126	-0.145	0.137	-0.125	3.306	0.069	3.316	0.132	3.342	0.244	3.366	0.291
0.160	-0.140	0.191	-0.079	0.206	-0.019	0.234	0.033	3.386	0.307	3.401	0.248	3.423	0.161	3.441	0.065
0.257	0.054	0.283	0.106	0.306	0.163	0.320	0.116	3.462	-0.014	3.485	-0.050	3.525	-0.069	3.533	-0.042
0.344	0.077	0.363	0.093	0.375	0.121	0.397	0.142	3.560	0.034	3.568	0.046	3.592	-0.058	3.616	-0.042
0.418	0.142	0.442	0.155	0.476	0.164	0.489	0.192	3.636	-0.252	3.673	-0.343	3.687	-0.351	3.700	-0.296
0.505	0.213	0.515	0.229	0.538	0.194	0.556	0.163	3.724	-0.216	3.741	-0.169	3.765	-0.090	3.797	-0.062
0.575	0.136	0.586	0.125	0.607	0.027	0.632	-0.059	3.813	-0.054	3.842	-0.019	3.855	0.037	3.878	0.128
0.657	-0.205	0.679	-0.252	0.698	-0.248	0.715	-0.227	3.898	0.219	3.922	0.234	3.936	0.191	3.975	0.162
0.743	-0.254	0.750	-0.266	0.771	-0.210	0.782	-0.154	3.981	0.190	4.001	0.269	4.020	0.308	4.043	0.240
0.793	-0.154	0.811	-0.186	0.830	-0.253	0.848	-0.280	4.058	0.181	4.087	0.097	4.109	0.053	4.138	0.029
0.864	-0.240	0.880	-0.169	0.898	-0.078	0.922	-0.056	4.168	0.001	4.180	0.037	4.200	0.072	4.222	0.021
0.945	0.037	0.965	0.077	0.976	0.081	1.004	0.033	4.244	-0.082	4.259	-0.154	4.282	-0.134	4.310	-0.098
1.023	0.045	1.046	0.072	1.066	0.076	1.081	0.076	4.331	-0.134	4.375	-0.173	4.390	-0.209	4.406	-0.269
1.108	0.072	1.121	0.103	1.136	0.163	1.155	0.246	4.424	-0.284	4.443	-0.213	4.465	-0.102	4.483	0.010
1.172	0.281	1.190	0.226	1.208	0.118	1.230	0.003	4.508	0.169	4.536	0.264	4.539	0.280	4.557	0.264
1.257	-0.097	1.275	-0.176	1.296	-0.232	1.317	-0.220	4.589	0.248	4.604	0.280	4.628	0.272	4.654	0.197
1.334	-0.180	1.352	-0.161	1.371	-0.208	1.394	-0.256	4.682	0.093	4.708	0.034	4.713	0.042	4.738	0.097
1.418	-0.280	1.447	-0.292	1.465	-0.236	1.485	-0.137	4.763	0.137	4.789	0.097	4.815	0.009	4.831	-0.098
1.509	-0.026	1.526	0.058	1.548	0.193	1.569	0.276	4.852	-0.225	4.874	-0.400	4.898	-0.483	4.922	-0.412
1.575	0.096	1.593	0.256	1.609	0.193	1.625	0.205	4.944	-0.237	4.968	-0.127	4.994	-0.020	5.023	0.027
1.639	0.193	1.657	0.145	1.680	0.098	1.705	0.150	5.046	0.142	5.072	0.261	5.096	0.352	5.124	0.419
1.728	0.174	1.742	0.154	1.762	0.087	1.782	0.099	5.143	0.474	5.162	0.490	5.183	0.446	5.201	0.386
1.800	0.123	1.831	0.139	1.831	0.064	1.850	-0.023	5.228	0.334	5.249	0.377	5.267	0.389	5.284	0.337
1.867	-0.051	1.892	-0.011	1.906	0.005	1.926	-0.090	5.310	0.246	5.336	0.151	5.361	0.091	5.380	0.071
1.942	-0.145	1.960	-0.165	1.987	-0.137	2.011	-0.089	5.402	-0.008	5.419	-0.131	5.441	-0.337	5.459	-0.441
2.034	-0.077	2.054	-0.054	2.073	-0.002	2.086	0.054	5.480	-0.480	5.499	-0.445	5.522	-0.377	5.548	-0.314
2.102	0.125	2.122	0.177	2.145	0.161	2.171	0.109	5.569	-0.286	5.593	-0.278	5.614	-0.330	5.640	-0.389
2.198	0.042	2.217	-0.062	2.234	-0.185	2.247	-0.244	5.658	-0.433	5.685	-0.357	5.694	-0.285	5.718	-0.178
2.268	-0.185	2.290	-0.002	2.309	0.113	2.323	0.173	5.730	0.013	5.754	0.171	5.782	0.318	5.796	0.402
2.339	0.129	2.358	0.062	2.376	0.010	2.405	-0.006	5.803	0.406	5.820	0.319	5.834	0.184	5.849	0.053
2.421	-0.026	2.442	-0.050	2.462	0.010	2.486	0.117	5.871	-0.022	5.876	0.001	5.896	0.061	5.932	0.133
2.502	0.177	2.512	0.193	2.534	0.137	2.557	0.038	5.935	0.133	5.957	0.169	5.975	0.216	5.997	0.169
2.578	-0.054	2.607	-0.185	2.629	-0.252	2.654	-0.340	6.027	0.109	6.056	0.129	6.068	0.109	6.080	0.057
2.680	-0.316	2.700	-0.248	2.725	-0.145	2.741	-0.110	6.104	0.037	6.135	0.053	6.143	0.048	6.161	0.001
2.771	-0.098	2.797	-0.062	2.812	-0.047	2.829	-0.110	6.183	-0.047	6.211	-0.095	6.247	-0.104	6.265	0.003
2.850	-0.205	2.873	-0.249	2.897	-0.174	2.907	-0.079	6.291	0.106	6.308	0.087	6.322	0.229	6.347	0.185
2.928	0.032	2.957	0.151	2.991	0.199	3.012	0.274	6.367	0.122	6.401	0.177	6.430	0.189	6.493	0.216
3.021	0.290	3.043	0.183	3.075	0.095	3.096	0.044	6.502	0.232	6.529	0.240	6.549	0.153	6.573	-0.022
3.136	-0.004	3.146	0.084	3.164	0.116	3.190	0.044	6.614	-0.216	6.626	-0.375	6.659	-0.570	6.684	-0.629



6.701	-0.574	6.731	-0.498	6.764	-0.498	6.800	-0.470	11.354	-0.887	11.366	-0.895	11.376	-0.903	11.389	-0.903
6.812	-0.426	6.842	-0.387	6.873	-0.430	6.901	-0.422	11.406	-0.844	11.424	-0.756	11.442	-0.653	11.459	-0.558
6.915	-0.362	6.924	-0.255	6.948	-0.040	6.975	0.222	11.477	-0.451	11.490	-0.399	11.503	-0.359	11.515	-0.320
7.002	0.369	7.024	0.477	7.066	0.545	7.079	0.593	11.530	-0.272	11.540	-0.211	11.555	-0.121	11.567	-0.022
7.103	0.625	7.127	0.680	7.161	0.772	7.167	0.800	11.582	0.085	11.597	0.181	11.612	0.268	11.625	0.328
7.193	0.685	7.216	0.514	7.235	0.347	7.259	0.137	11.638	0.391	11.652	0.463	11.672	0.530	11.686	0.574
7.278	-0.105	7.299	-0.336	7.326	-0.542	7.343	-0.609	11.700	0.582	11.709	0.601	11.729	0.673	11.742	0.744
7.358	-0.514	7.396	-0.399	7.409	-0.367	7.415	-0.359	11.756	0.832	11.770	0.883	11.783	0.923	11.796	0.919
7.444	-0.407	7.463	-0.455	7.487	-0.530	7.505	-0.590	11.810	0.907	11.824	0.864	11.839	0.812	11.852	0.784
7.523	-0.598	7.552	-0.518	7.564	-0.330	7.591	-0.014	11.863	0.752	11.876	0.721	11.887	0.681	11.903	0.609
7.620	0.165	7.636	0.324	7.647	0.359	7.666	0.272	11.915	0.530	11.932	0.451	11.947	0.363	11.964	0.284
7.675	0.197	7.699	0.054	7.714	-0.034	7.732	-0.097	11.976	0.224	11.992	0.177	12.004	0.101	12.019	-0.010
7.758	-0.121	7.789	-0.109	7.789	-0.022	7.820	0.062	12.035	-0.145	12.052	-0.276	12.067	-0.399	12.081	-0.482
7.838	0.121	7.864	0.193	7.882	0.204	7.910	0.193	12.099	-0.582	12.114	-0.633	12.129	-0.725	12.143	-0.780
7.928	0.248	7.950	0.296	7.983	0.316	8.001	0.288	12.160	-0.808	12.180	-0.788	12.208	-0.748	12.229	-0.709
8.025	0.232	8.059	0.200	8.090	0.236	8.123	0.232	12.249	-0.602	12.264	-0.526	12.276	-0.447	12.295	-0.359
8.143	0.240	8.148	0.244	8.177	0.185	8.206	0.101	12.311	-0.296	12.330	-0.232	12.352	-0.157	12.370	-0.085
8.237	-0.018	8.256	-0.185	8.275	-0.296	8.299	-0.439	12.387	-0.006	12.406	0.069	12.432	0.181	12.450	0.197
8.332	-0.605	8.344	-0.776	8.373	-0.927	8.386	-0.927	12.467	0.224	12.485	0.244	12.503	0.268	12.524	0.276
8.407	-0.840	8.428	-0.772	8.468	-0.705	8.481	-0.649	12.542	0.264	12.561	0.252	12.578	0.220	12.590	0.196
8.497	-0.602	8.524	-0.574	8.539	-0.621	8.561	-0.594	12.607	0.176	12.626	0.156	12.647	0.152	12.665	0.155
8.587	-0.495	8.605	-0.477	8.633	-0.404	8.655	0.144	12.684	0.163	12.701	0.167	12.718	0.147	12.733	0.119
8.667	0.358	8.695	0.477	8.726	0.604	8.743	0.711	12.748	0.063	12.764	-0.017	12.780	-0.109	12.794	-0.188
8.749	0.842	8.780	0.965	8.794	0.936	8.799	0.945	12.811	-0.276	12.825	-0.344	12.838	-0.416	12.852	-0.484
8.822	0.849	8.839	0.733	8.860	0.661	8.878	0.517	12.862	-0.531	12.873	-0.567	12.886	-0.596	12.903	-0.584
8.897	0.429	8.924	0.325	8.952	0.217	8.955	0.193	12.923	-0.232	12.941	-0.533	12.963	-0.542	12.987	-0.550
8.974	0.078	8.983	-0.030	8.999	-0.193	9.010	-0.320	13.006	-0.535	13.027	-0.504	13.050	-0.512	13.074	-0.509
9.026	-0.440	9.053	-0.504	9.064	-0.481	9.090	-0.462	13.096	-0.438	13.115	-0.363	13.130	-0.228	13.146	-0.098
9.110	-0.447	9.121	-0.487	9.144	-0.539	9.150	-0.551	13.165	0.041	13.177	0.128	13.193	0.215	13.208	0.270
9.191	-0.524	9.191	-0.508	9.202	-0.504	9.226	-0.568	13.232	0.302	13.234	0.326	13.249	0.333	13.267	0.321
9.243	-0.612	9.253	-0.620	9.268	-0.497	9.282	-0.386	13.283	0.305	13.304	0.285	13.315	0.301	13.333	0.368
9.320	-0.268	9.331	-0.097	9.379	0.050	9.392	0.169	13.352	0.487	13.367	0.579	13.382	0.682	13.400	0.753
9.410	0.232	9.427	0.300	9.433	0.455	9.460	0.669	13.415	0.793	13.428	0.828	13.450	0.868	13.466	0.840
9.474	0.808	9.499	0.860	9.515	0.871	9.520	0.844	13.483	0.748	13.501	0.637	13.520	0.455	13.541	0.228
9.554	0.709	9.586	0.590	9.603	0.435	9.624	0.288	13.566	-0.006	13.584	-0.169	13.605	-0.328	13.627	-0.470
9.644	0.129	9.686	-0.018	9.704	-0.117	9.721	-0.193	13.647	-0.562	13.668	-0.645	13.689	-0.697	13.704	-0.740
9.754	-0.451	9.789	-0.649	9.806	-0.788	9.847	-0.947	13.719	-0.796	13.740	-0.848	13.779	-0.808	13.779	-0.740
9.848	-0.967	9.892	-0.883	9.907	-0.844	9.921	-0.852	13.802	-0.669	13.826	-0.605	13.855	-0.494	13.884	-0.395
9.947	-0.836	9.986	-0.689	10.020	-0.574	10.039	-0.494	13.911	-0.276	13.933	-0.129	13.952	0.006	13.969	0.137
10.075	-0.252	10.096	0.030	10.128	0.296	10.163	0.657	13.983	0.256	14.003	0.343	14.018	0.399	14.036	0.435
10.180	0.979	10.213	1.157	10.232	1.221	10.261	1.149	14.056	0.455	14.074	0.470	14.107	0.439	14.124	0.387
10.284	1.054	10.305	0.919	10.336	0.887	10.338	0.879	14.141	0.363	14.162	0.351	14.186	0.355	14.206	0.351
10.368	0.903	10.383	0.879	10.397	0.840	10.418	0.697	14.221	0.339	14.238	0.308	14.257	0.280	14.280	0.252
10.437	0.510	10.452	0.379	10.465	0.240	10.492	-0.002	14.299	0.204	14.315	0.137	14.335	0.022	14.349	-0.069
10.519	-0.248	10.537	-0.399	10.557	-0.538	10.588	-0.740	14.375	-0.260	14.387	-0.324	14.402	-0.367	14.415	-0.371
10.611	-0.832	10.637	-0.899	10.659	-0.959	10.687	-1.034	14.438	-0.351	14.453	-0.344	14.475	-0.328	14.492	-0.316
10.713	-0.983	10.750	-0.816	10.765	-0.577	10.798	-0.311	14.511	-0.312	14.527	-0.313	14.547	-0.313	14.560	-0.309
10.831	-0.001	10.864	0.317	10.897	0.579	10.921	0.866	14.579	-0.305	14.599	-0.310	14.617	-0.310	14.639	-0.318
10.946	1.013	10.964	1.045	10.990	1.002	11.016	0.978	14.655	-0.294	14.675	-0.255	14.688	-0.207	14.703	-0.160
11.032	0.943	11.047	0.895	11.061	0.859	11.070	0.812	14.719	-0.109	14.734	-0.050	14.748	-0.006	14.763	0.021
11.088	0.717	11.100	0.645	11.110	0.554	11.120	0.466	14.777	0.037	14.793	0.076	14.807	0.123	14.817	0.183
11.131	0.367	11.141	0.284	11.152	0.204	11.166	0.117	14.833	0.250	14.852	0.341	14.863	0.388	14.878	0.431
11.176	0.054	11.185	-0.006	11.195	-0.066	11.208	-0.125	14.895	0.466	14.912	0.514	14.924	0.557	14.943	0.600
11.220	-0.173	11.237	-0.232	11.252	-0.288	11.264	-0.375	14.959	0.632	14.980	0.640	14.997	0.628	15.015	0.607
11.274	-0.423	11.285	-0.502	11.295	-0.566	11.301	-0.637	15.039	0.599	15.054	0.591	15.076	0.567	15.099	0.527
11.311	-0.713	11.325	-0.776	11.335	-0.832	11.343	-0.871	15.116	0.483	15.130	0.423	15.145	0.379	15.160	0.324



15.180	0.232	15.200	0.145	15.223	0.054	15.240	0.002	19.966	-0.050	19.990	-0.034	20.012	-0.026	20.043	-0.007
15.258	-0.054	15.274	-0.081	15.294	-0.113	15.316	-0.173	20.065	0.037	20.090	0.081	20.115	0.128	20.139	0.192
15.335	-0.236	15.351	-0.296	15.369	-0.351	15.382	-0.379	20.162	0.251	20.188	0.299	20.208	0.342	20.237	0.381
15.399	-0.407	15.417	-0.435	15.433	-0.443	15.452	-0.435	20.262	0.413	20.286	0.449	20.311	0.484	20.330	0.492
15.476	-0.395	15.503	-0.344	15.520	-0.300	15.541	-0.245	20.350	0.492	20.373	0.448	20.399	0.368	20.415	0.313
15.564	-0.197	15.578	-0.189	15.597	-0.185	15.621	-0.177	20.438	0.249	20.463	0.186	20.490	0.126	20.513	0.086
15.638	-0.134	15.658	-0.086	15.677	-0.023	15.699	0.040	20.533	0.066	20.562	0.027	20.592	-0.053	20.615	-0.112
15.723	0.139	15.743	0.222	15.762	0.270	15.779	0.353	20.636	-0.180	20.662	-0.203	20.677	-0.211	20.695	-0.202
15.799	0.416	15.820	0.480	15.836	0.531	15.858	0.602	20.725	-0.146	20.747	-0.114	20.769	-0.074	20.792	-0.034
15.880	0.670	15.895	0.721	15.912	0.753	15.930	0.752	20.809	-0.018	20.832	0.002	20.846	0.011	20.877	0.059
15.949	0.740	15.966	0.665	15.983	0.589	16.001	0.490	20.906	0.143	20.935	0.215	20.962	0.287	20.983	0.331
16.021	0.386	16.037	0.306	16.057	0.199	16.076	0.072	21.008	0.375	21.030	0.395	21.057	0.359	21.079	0.324
16.195	-0.024	16.121	-0.096	16.147	-0.167	16.165	-0.211	21.106	0.272	21.135	0.240	21.159	0.204	21.188	0.173
16.181	-0.263	16.200	-0.315	16.218	-0.351	16.237	-0.398	21.322	0.141	21.249	0.081	21.277	0.037	21.302	0.025
16.257	-0.450	16.278	-0.482	16.296	-0.482	16.313	-0.475	21.386	0.045	21.342	0.049	21.364	0.057	21.380	0.053
16.332	-0.459	16.350	-0.411	16.372	-0.324	16.395	-0.237	21.427	0.056	21.445	0.056	21.458	0.052	21.474	0.064
16.425	-0.375	16.453	0.080	16.469	0.171	16.494	0.286	21.534	0.103	21.546	0.099	21.562	0.091	21.577	0.104
16.517	0.346	16.536	0.413	16.556	0.433	16.576	0.444	21.654	0.052	21.607	-0.036	21.621	0.028	21.639	0.019
16.595	0.468	16.619	0.508	16.640	0.539	16.657	0.543	21.701	0.052	21.712	-0.064	21.729	-0.072	21.742	-0.077
16.676	0.539	16.698	0.523	16.714	0.503	16.732	0.479	21.755	-0.085	21.771	-0.089	21.783	-0.093	21.798	-0.093
16.748	0.455	16.765	0.416	16.782	0.356	16.804	0.280	21.812	-0.101	21.827	-0.101	21.845	-0.101	21.859	-0.093
16.827	0.201	16.844	0.110	16.858	0.042	16.874	-0.006	21.871	-0.089	21.882	-0.081	21.893	-0.066	21.905	-0.050
16.889	-0.073	16.910	-0.109	16.930	-0.145	16.947	-0.181	21.920	-0.027	21.934	0.005	21.950	0.024	21.965	0.044
16.959	-0.208	16.978	-0.288	16.998	-0.375	17.012	-0.454	21.979	0.051	21.994	0.055	22.009	0.063	22.023	0.074
17.019	-0.486	17.036	-0.538	17.054	-0.561	17.074	-0.599	22.036	0.078	22.048	0.094	22.060	0.105	22.070	0.113
17.092	-0.589	17.111	-0.561	17.131	-0.513	17.153	-0.434	22.080	0.113	22.097	0.116	22.109	0.116	22.124	0.120
17.170	-0.390	17.204	-0.311	17.227	-0.263	17.257	-0.219	22.138	0.119	22.152	0.123	22.164	0.123	22.176	0.111
17.287	-0.167	17.311	-0.099	17.337	-0.008	17.361	0.064	22.192	0.110	22.220	0.102	22.220	0.094	22.231	0.085
17.382	0.120	17.413	0.187	17.432	0.207	17.452	0.235	22.247	0.097	22.258	0.108	22.273	0.112	22.288	0.119
17.483	0.279	17.502	0.303	17.522	0.311	17.545	0.299	22.298	0.123	22.316	0.131	22.327	0.138	22.340	0.146
17.566	0.307	17.584	0.367	17.606	0.311	17.629	0.308	22.355	0.153	22.368	0.161	22.383	0.152	22.400	0.156
17.645	0.292	17.663	0.248	17.683	0.185	17.718	0.050	22.416	0.156	22.433	0.155	22.447	0.143	22.461	0.115
17.738	-0.050	17.757	-0.137	17.778	-0.232	17.800	-0.316	22.473	0.098	22.484	0.086	22.505	0.046	22.520	0.002
17.821	-0.399	17.838	-0.459	17.857	-0.558	17.874	-0.629	22.537	-0.038	22.566	-0.110	22.574	-0.146	22.593	-0.198
17.889	-0.695	17.900	-0.705	17.920	-0.669	17.941	-0.613	22.621	-0.266	22.646	-0.319	22.666	-0.367	22.685	-0.427
17.965	-0.542	17.985	-0.470	18.003	-0.359	18.023	-0.268	22.706	-0.483	22.721	-0.535	22.734	-0.563	22.745	-0.575
18.042	-0.204	18.065	-0.133	18.085	-0.077	18.105	-0.006	22.760	-0.587	22.771	-0.579	22.794	-0.564	22.808	-0.552
18.127	0.058	18.143	0.121	18.162	0.185	18.182	0.232	22.826	-0.525	22.854	-0.466	22.878	-0.411	22.896	-0.371
18.200	0.272	18.229	0.343	18.254	0.403	18.273	0.399	22.922	-0.316	22.940	-0.261	22.960	-0.194	22.984	-0.107
18.299	0.351	18.319	0.308	18.357	0.193	18.376	0.125	23.005	-0.028	23.035	0.083	23.058	0.162	23.080	0.245
18.396	0.034	18.417	-0.073	18.442	-0.191	18.464	-0.292	23.096	0.285	23.112	0.312	23.128	0.344	23.144	0.367
18.481	-0.367	18.498	-0.459	18.517	-0.562	18.531	-0.633	23.161	0.379	23.181	0.383	23.201	0.386	23.217	0.390
18.552	-0.689	18.566	-0.713	18.584	-0.697	18.598	-0.701	23.231	0.382	23.242	0.366	23.257	0.330	23.283	0.250
18.624	-0.689	18.650	-0.625	18.678	-0.522	18.718	0.348	23.302	0.182	23.325	0.095	23.345	0.019	23.360	0.069
18.742	-0.225	18.766	-0.094	18.793	0.013	18.814	0.081	23.375	-0.152	23.393	-0.256	23.408	-0.320	23.427	-0.403
18.834	0.140	18.855	0.180	18.880	0.255	18.905	0.311	23.449	-0.475	23.473	-0.543	23.496	-0.615	23.519	-0.675
18.924	0.311	18.945	0.310	18.961	0.306	18.982	0.298	23.538	-0.722	23.558	-0.778	23.578	-0.818	23.594	-0.831
19.003	0.262	19.030	0.203	19.050	0.127	19.077	0.039	23.616	-0.819	23.637	-0.772	23.652	-0.728	23.663	-0.689
19.101	-0.044	19.131	-0.112	19.159	-0.152	19.181	-0.156	23.680	-0.609	23.699	-0.522	23.715	-0.431	23.739	-0.304
19.211	-0.132	19.229	-0.116	19.259	-0.140	19.285	-0.184	23.761	-0.194	23.800	0.008	23.825	0.143	23.848	0.242
19.310	-0.200	19.332	-0.196	19.353	-0.149	19.394	0.002	23.871	-0.341	23.892	0.404	23.915	0.475	23.933	0.515
19.415	-0.054	19.447	-0.010	19.468	0.006	19.517	0.002	23.948	0.535	23.964	0.546	23.979	0.542	23.996	0.518
19.546	-0.066	19.581	0.006	19.613	0.022	19.645	0.058	24.014	0.482	24.042	0.391	24.064	0.307	24.088	0.223
19.666	-0.085	19.691	0.081	19.721	0.034	19.749	-0.006								
19.771	-0.010	19.802	0.010	19.816	0.010	19.844	-0.010								
19.867	-0.934	19.901	-0.066	19.928	-0.066	19.941	-0.062								



24.112	0.140	24.134	0.068	24.153	-0.024	24.173	-0.123	29.074	-0.061	29.090	-0.085	29.108	-0.105	29.120	-0.117
24.193	-0.207	24.208	-0.266	24.224	-0.314	24.239	-0.354	29.137	-0.129	29.154	-0.145	29.170	-0.145	29.179	-0.153
24.256	-0.390	24.274	-0.410	24.289	-0.410	24.306	-0.394	29.191	-0.161	29.205	-0.173	29.219	-0.188	29.233	-0.212
24.325	-0.347	24.341	-0.343	24.369	-0.320	24.385	-0.292	29.247	-0.228	29.259	-0.252	29.271	-0.276	29.282	-0.296
24.400	-0.249	24.424	-0.193	24.442	-0.166	24.459	-0.138	29.294	-0.304	29.305	-0.308	29.317	-0.300	29.329	-0.296
24.480	-0.086	24.502	0.009	24.525	0.112	24.548	0.223	29.346	-0.276	29.360	-0.252	29.376	-0.217	29.391	-0.185
24.567	0.314	24.585	0.349	24.606	0.401	24.626	0.448	29.405	-0.149	29.420	-0.117	29.434	-0.086	29.447	-0.058
24.643	0.468	24.661	0.484	24.709	0.483	24.734	0.475	29.462	-0.034	29.477	-0.014	29.496	0.021	29.512	0.041
24.752	0.483	24.773	0.487	24.794	0.459	24.820	0.411	29.529	0.065	29.545	0.081	29.565	0.089	29.581	0.112
24.843	0.355	24.862	0.292	24.884	0.208	24.906	0.109	29.596	0.136	29.613	0.160	29.631	0.172	29.648	0.184
25.023	-0.313	25.044	-0.382	25.067	-0.401	25.088	-0.421	29.662	0.192	29.673	0.207	29.685	0.215	29.699	0.219
25.110	-0.437	25.126	-0.437	25.141	-0.433	25.164	-0.410	29.714	0.203	29.727	0.207	29.742	0.155	29.759	0.139
25.190	-0.358	25.221	-0.275	25.247	-0.188	25.276	-0.097	29.780	0.112	29.798	0.096	29.812	0.076	29.830	0.032
25.305	-0.018	25.335	0.081	25.358	0.156	25.380	0.223	29.849	0.000	29.866	-0.040	29.888	-0.076	29.909	-0.107
25.408	0.298	25.419	0.354	25.436	0.377	25.452	0.393	29.931	-0.139	29.950	-0.159	29.966	-0.183	29.982	-0.195
25.468	0.401	25.490	0.380	25.512	0.360	25.538	0.328	29.995	-0.199	30.017	-0.195	30.036	-0.180	30.063	-0.152
25.563	0.276	25.597	0.216	25.631	0.160	25.659	0.116	30.085	-0.112	30.104	-0.077	30.127	-0.041	30.142	0.007
25.795	-0.143	25.823	-0.175	25.841	-0.067	25.769	-0.103	30.158	-0.043	30.177	0.106	30.190	0.146	30.208	0.189
25.891	-0.204	25.913	-0.200	25.948	-0.181	25.979	-0.161	30.228	0.225	30.246	0.257	30.271	0.277	30.282	0.293
26.008	-0.134	26.039	-0.079	26.066	-0.016	26.102	0.063	30.299	0.309	30.310	0.317	30.327	0.301	30.345	0.301
26.126	0.111	26.145	0.143	26.177	0.210	26.208	0.269	30.362	0.297	30.392	0.293	30.412	0.289	30.433	0.281
26.237	0.293	26.260	0.304	26.280	0.308	26.306	0.300	30.447	0.257	30.462	0.237	30.486	0.186	30.514	0.115
26.337	0.256	26.374	0.181	26.412	0.113	26.441	0.069	30.537	0.063	30.557	0.016	30.581	-0.028	30.611	-0.087
26.466	0.021	26.492	-0.031	26.518	-0.086	26.535	-0.106	30.633	-0.118	30.656	-0.170	30.684	-0.217	30.702	-0.245
26.557	-0.126	26.583	-0.114	26.613	-0.111	26.644	-0.107	30.734	-0.268	30.775	-0.268	30.811	-0.192	30.847	-0.153
26.672	-0.103	26.700	-0.087	26.725	-0.060	26.753	-0.048	30.854	-0.101	30.895	-0.005	30.936	0.075	30.972	0.135
26.777	-0.020	26.811	0.035	26.839	0.079	26.865	0.103	30.995	0.199	31.022	0.235	31.050	0.263	31.070	0.283
26.887	0.122	26.904	0.130	26.931	0.138	26.963	0.134	31.084	0.291	31.102	0.289	31.123	0.268	31.148	0.236
26.990	0.134	27.014	0.130	27.030	0.126	27.048	0.114	31.197	0.154	31.230	0.099	31.260	0.060	31.289	0.028
27.075	0.110	27.098	0.066	27.127	0.006	27.155	-0.030	31.308	-0.007	31.342	-0.082	31.365	-0.125	31.394	-0.164
27.174	-0.034	27.194	-0.022	27.222	0.006	27.239	0.022	31.413	-0.192	31.434	-0.203	31.457	-0.195	31.482	-0.179
27.272	0.025	27.284	0.029	27.317	0.033	27.335	0.017	31.526	-0.126	31.552	-0.102	31.575	-0.081	31.602	-0.065
27.377	0.001	27.386	0.009	27.419	0.013	27.451	0.021	31.615	-0.057	31.635	-0.016	31.659	0.036	31.684	0.096
27.480	0.013	27.516	0.001	27.560	-0.003	27.596	-0.012	31.701	0.136	31.716	0.156	31.727	0.160	31.743	0.188
27.627	-0.028	27.666	-0.036	27.711	-0.056	27.728	-0.072	31.760	0.211	31.765	0.215	31.774	0.219	31.781	0.219
27.772	-0.084	27.788	-0.084	27.823	-0.092	27.853	-0.092	31.790	0.231	31.805	0.231	31.832	0.219	31.852	0.211
27.871	-0.096	27.886	-0.104	27.904	-0.112	27.929	-0.128	31.874	0.195	31.899	0.187	31.924	0.167	31.945	0.140
27.937	-0.144	27.977	-0.172	28.003	-0.152	28.026	-0.168	31.959	0.120	31.985	0.072	32.012	0.013	32.040	-0.047
28.058	-0.168	28.077	-0.172	28.094	-0.188	28.110	-0.196	32.059	-0.078	32.081	-0.122	32.097	-0.138	32.114	-0.170
28.125	-0.208	28.139	-0.220	28.151	-0.224	28.163	-0.232	32.129	-0.193	32.147	-0.213	32.164	-0.233	32.181	-0.245
28.179	-0.232	28.192	-0.228	28.210	-0.228	28.228	-0.220	32.195	-0.248	32.216	-0.253	32.237	-0.256	32.257	-0.252
28.247	-0.213	28.269	-0.201	28.286	-0.185	28.300	-0.177	32.277	-0.197	32.298	-0.240	32.322	-0.228	32.342	-0.216
28.316	-0.165	28.334	-0.161	28.356	-0.149	28.379	-0.142	32.362	-0.197	32.383	-0.177	32.404	-0.153	32.425	-0.137
28.394	-0.142	28.413	-0.126	28.429	-0.122	28.451	-0.118	32.442	-0.126	32.460	-0.106	32.480	-0.082	32.494	-0.058
28.466	-0.114	28.479	-0.098	28.496	-0.075	28.514	-0.043	32.515	-0.030	32.536	-0.011	32.562	-0.003	32.587	0.005
28.526	-0.023	28.540	-0.015	28.555	-0.011	28.573	0.001	32.608	0.009	32.630	0.005	32.650	-0.003	32.672	-0.011
28.590	0.012	28.607	0.028	28.623	0.044	28.638	0.056	32.694	-0.023	32.714	-0.031	32.733	-0.043	32.753	-0.067
28.658	0.076	28.674	0.091	28.691	0.115	28.706	0.123	32.774	-0.083	32.794	-0.111	32.812	-0.143	32.829	-0.147
28.718	0.135	28.733	0.139	28.745	0.147	28.759	0.155	32.854	-0.155	32.878	-0.167	32.900	-0.171	32.918	-0.171
28.776	0.162	28.788	0.162	28.799	0.154	28.814	0.146	32.944	-0.171	32.962	-0.167	32.981	-0.175	32.998	-0.195
28.826	0.138	28.838	0.122	28.851	0.122	28.866	0.118	33.014	-0.195	33.030	-0.191	33.048	-0.179	33.065	-0.159
28.878	0.122	28.897	0.126	28.910	0.118	28.927	0.114	33.081	-0.148	33.097	-0.136	33.115	-0.112	33.132	-0.092
28.945	0.106	28.962	0.090	28.978	0.082	28.992	0.070	33.149	-0.076	33.165	-0.076	33.195	-0.077	33.212	-0.069
29.005	0.054	29.020	0.030	29.040	-0.001	29.056	-0.033	33.226	-0.061	33.248	-0.053	33.268	-0.045	33.289	-0.041
								33.306	-0.033	33.324	-0.025	33.337	-0.010	33.354	-0.006
								33.370	-0.010	33.397	-0.018	33.420	-0.026	33.437	-0.034



33.456	-0.042	33.474	-0.042	33.493	-0.038	33.508	-0.026	38.396	-0.127	38.430	-0.131	38.464	-0.131	38.498	-0.139
33.526	-0.018	33.543	-0.010	33.560	-0.006	33.579	-0.003	38.518	-0.135	38.537	-0.131	38.560	-0.104	38.581	-0.080
33.596	0.005	33.616	0.009	33.630	0.001	33.647	0.023	38.610	-0.037	38.628	-0.009	38.650	0.011	38.677	0.027
33.668	-0.058	33.685	-0.074	33.699	0.074	33.715	-0.063	38.704	0.039	38.731	0.042	38.760	0.046	38.783	0.054
33.728	-0.051	33.746	-0.035	33.761	-0.031	33.778	-0.027	38.812	0.062	38.840	0.062	38.862	0.062	38.881	0.046
33.799	-0.035	33.825	-0.043	33.844	-0.047	33.864	-0.051	38.893	0.033	38.933	0.009	38.954	-0.011	38.976	-0.015
33.882	-0.055	33.896	-0.051	33.911	-0.040	33.929	-0.020	38.994	0.027	39.018	-0.019	39.050	-0.011	39.079	0.000
33.949	-0.012	33.970	-0.000	33.995	0.004	34.016	0.008	39.082	0.008	39.103	0.016	39.133	0.019	39.162	0.027
34.039	0.008	34.064	0.015	34.090	0.027	34.111	0.038	39.191	0.021	39.239	0.025	39.298	0.030	39.341	0.029
34.128	0.062	34.146	0.085	34.165	0.113	34.180	0.120	39.373	0.027	39.411	0.026	39.447	0.021	39.473	0.029
34.199	0.032	34.224	0.124	34.242	0.115	34.270	0.115	39.511	0.041	39.531	0.025	39.565	0.017	39.592	0.009
34.292	0.110	34.311	0.106	34.329	0.102	34.347	0.098	39.622	0.005	39.648	-0.007	39.680	-0.015	39.707	0.011
34.364	0.101	34.379	0.093	34.397	0.085	34.411	0.077	39.742	-0.007	39.782	-0.007	39.818	-0.007	39.840	-0.007
34.428	0.060	34.443	0.040	34.458	0.020	34.473	-0.004	39.891	0.005	39.933	0.021	39.958	0.029	40.035	0.061
34.488	-0.024	34.507	-0.029	34.522	-0.037	34.538	-0.041	40.042	0.080	40.069	0.092	40.088	0.096	40.132	0.100
34.561	-0.046	34.584	-0.050	34.608	-0.063	34.629	-0.075	40.192	0.096	40.224	0.104	40.256	0.092	40.288	0.064
34.626	-0.084	34.648	-0.096	34.688	-0.116	34.709	-0.152	40.321	0.036	40.350	0.004	40.386	-0.024	40.411	-0.040
34.726	-0.180	34.741	-0.184	34.759	-0.169	34.786	-0.125	40.432	-0.047	40.456	-0.071	40.488	-0.056	40.520	-0.048
34.822	-0.078	34.857	-0.027	34.890	0.016	34.924	0.064	40.553	-0.044	40.592	-0.024	40.635	0.008	40.676	0.036
34.954	0.099	34.992	0.155	35.025	0.194	35.051	0.222	40.722	0.040	40.761	0.040	40.788	0.024	40.821	0.016
35.083	0.237	35.111	0.245	35.140	0.233	35.165	0.229	40.845	-0.000	40.879	-0.012	40.924	-0.004	40.958	-0.008
35.192	0.221	35.221	0.212	35.229	0.189	35.250	0.149	40.989	-0.016	41.033	-0.024	41.087	-0.028	41.109	-0.032
35.270	0.109	35.289	0.073	35.306	0.041	35.329	0.005	41.153	-0.044	41.194	-0.048	41.229	-0.049	41.263	-0.025
35.348	-0.011	35.375	-0.035	35.397	-0.051	35.421	-0.063	41.296	0.011	41.332	0.022	41.374	0.022	41.402	0.034
35.444	-0.063	35.469	-0.056	35.490	-0.048	35.510	-0.044	41.429	0.014	41.471	0.018	41.523	0.022	41.561	0.018
35.536	-0.040	35.556	-0.025	35.579	-0.001	35.607	0.038	41.597	-0.003	41.637	-0.011	41.678	-0.023	41.723	-0.031
35.638	0.058	35.670	0.093	35.692	0.125	35.709	0.141	41.764	-0.043	41.790	-0.063	41.825	-0.087	41.858	-0.108
35.724	0.152	35.741	0.152	35.766	0.148	35.782	0.148	41.899	-0.108	41.939	-0.098	41.978	-0.077	42.075	-0.073
35.805	0.156	35.827	0.168	35.846	0.171	35.866	0.183	42.128	-0.073	42.195	-0.057	42.255	-0.050	42.304	-0.066
35.881	0.179	35.894	0.171	35.910	0.163	35.921	0.147	42.348	-0.089	42.409	-0.093	42.476	-0.109	42.527	-0.125
35.940	0.119	35.968	0.075	36.001	0.027	36.038	-0.009	42.565	-0.125	42.596	-0.117	42.636	-0.114	42.682	-0.114
36.066	-0.041	36.096	-0.085	36.126	-0.104	36.149	-0.136	42.742	-0.079	42.783	-0.071	42.812	-0.034	42.827	-0.043
36.172	-0.168	36.197	-0.192	36.219	-0.212	36.240	-0.220	42.843	-0.039	42.860	-0.030	42.877	-0.034	42.890	-0.026
36.262	-0.232	36.286	-0.216	36.301	-0.204	36.325	-0.212	42.903	-0.021	42.918	-0.017	42.933	-0.001	42.944	0.003
36.351	-0.216	36.371	-0.220	36.391	-0.208	36.420	-0.192	42.955	0.003	42.967	0.011	42.979	0.019	42.991	0.019
36.445	-0.153	36.474	-0.105	36.496	-0.065	36.518	-0.034	43.009	0.023	43.022	0.019	43.037	0.015	43.050	0.011
36.533	-0.010	36.548	-0.002	36.570	-0.014	36.592	0.026	43.063	0.011	43.077	0.004	43.092	-0.000	43.107	-0.008
36.614	0.038	36.637	0.050	36.655	0.062	36.676	0.070	43.119	-0.012	43.131	-0.016	43.146	-0.024	43.161	-0.032
36.694	0.078	36.714	0.090	36.734	0.079	36.758	0.043	43.173	-0.035	43.187	-0.039	43.201	-0.047	43.215	-0.051
36.792	-0.008	36.824	-0.052	36.848	-0.103	36.874	-0.135	43.228	-0.051	43.242	-0.055	43.254	-0.059	43.267	-0.059
36.897	-0.151	36.917	-0.175	36.939	-0.198	36.968	-0.222	43.280	-0.055	43.293	-0.054	43.308	-0.054	43.323	-0.058
36.974	-0.230	36.992	-0.241	37.009	-0.253	37.027	-0.269	43.340	-0.058	43.354	-0.054	43.371	-0.054	43.387	-0.050
37.050	-0.277	37.075	-0.273	37.094	-0.253	37.132	-0.197	43.398	-0.046	43.413	-0.050	43.426	-0.046	43.440	-0.041
37.174	-0.129	37.211	-0.069	37.245	-0.025	37.273	0.007	43.454	-0.033	43.464	-0.029	43.480	-0.017	43.492	-0.005
37.304	0.047	37.329	0.067	37.356	0.079	37.381	0.087	43.504	-0.001	43.518	0.011	43.528	0.023	43.540	0.031
37.410	0.099	37.429	0.095	37.457	0.075	37.493	0.056	43.554	0.039	43.567	0.051	43.580	0.063	43.595	0.067
37.515	0.040	37.545	0.024	37.566	0.012	37.591	-0.011	43.612	0.087	43.624	0.099	43.635	0.103	43.651	0.111
37.612	-0.035	37.634	-0.075	37.656	-0.102	37.672	-0.122	43.663	0.115	43.673	0.123	43.687	0.131	43.699	0.135
37.690	-0.138	37.708	-0.142	37.733	-0.134	37.754	-0.130	43.709	0.147	43.722	0.151	43.735	0.151	43.748	0.147
37.775	-0.114	37.796	-0.102	37.815	-0.094	37.846	-0.093	43.762	0.143	43.778	0.135	43.793	0.120	43.804	0.108
37.877	-0.085	37.895	-0.073	37.923	-0.049	37.946	-0.017	43.822	0.088	43.845	0.064	43.864	0.048	43.884	0.036
37.973	0.014	37.998	0.046	38.020	0.066	38.042	0.078	43.898	0.033	43.914	0.021	43.928	0.009	43.942	-0.003
38.075	0.078	38.095	0.071	38.113	0.063	38.131	0.055	43.958	-0.015	43.972	-0.027	43.986	-0.035	44.006	-0.043
38.156	0.059	38.180	0.059	38.197	0.059	38.215	0.043	44.025	-0.047	44.042	-0.054	44.060	-0.050	44.077	-0.055
38.238	0.023	38.263	-0.000	38.282	-0.028	38.301	-0.056	44.089	-0.043	44.105	-0.027	44.125	-0.015	44.139	-0.004
38.320	-0.080	38.339	-0.103	38.358	-0.119	38.376	-0.127	44.160	0.012	44.172	0.028	44.188	0.044	44.205	0.063



44.221	0.083	44.237	0.103	44.255	0.126	44.272	0.142	49.095	0.066	49.120	0.050	49.141	0.041	49.156	0.041
44.291	0.162	44.306	0.181	44.321	0.205	44.337	0.221	49.180	0.022	49.222	0.020	49.266	0.016	49.303	0.015
44.350	0.237	44.366	0.256	44.380	0.271	44.394	0.286	49.331	0.019	49.367	0.022	49.394	0.026	49.420	0.046
44.411	0.268	44.424	0.268	44.440	0.271	44.451	0.267	49.441	0.049	49.471	0.061	49.502	0.076	49.530	0.092
44.464	0.263	44.479	0.259	44.497	0.251	44.514	0.243	49.555	0.103	49.585	0.115	49.605	0.126	49.630	0.122
44.524	0.227	44.539	0.215	44.553	0.195	44.565	0.183	49.667	0.121	49.703	0.117	49.724	0.116	49.751	0.100
44.579	0.174	44.591	0.162	44.603	0.150	44.615	0.126	49.778	0.088	49.812	0.067	49.843	0.051	49.877	0.034
44.630	0.106	44.649	0.086	44.669	0.066	44.693	0.041	49.908	0.018	49.931	0.010	49.955	0.012	49.979	0.001
44.718	0.013	44.740	-0.015	44.758	-0.035	44.776	-0.047	49.994	-0.030	50.039	0.005	50.078	0.012	50.117	0.016
44.794	-0.063	44.813	-0.072	44.828	-0.072	44.846	-0.072	50.162	0.019	50.197	0.015	50.237	0.014	50.268	0.010
44.860	0.073	44.873	0.061	44.886	-0.057	44.900	-0.049	50.295	0.010	50.322	0.010	50.345	0.002	50.369	-0.007
44.917	0.050	44.928	-0.046	44.941	-0.038	44.958	-0.034	50.400	-0.019	50.428	-0.027	50.456	-0.039	50.478	-0.047
44.972	-0.023	44.991	-0.015	45.008	-0.007	45.029	0.004	50.496	-0.055	50.515	-0.063	50.545	-0.067	50.570	-0.071
45.047	0.020	45.066	0.031	45.086	0.043	45.107	0.051	50.593	-0.079	50.623	-0.080	50.659	-0.084	50.686	-0.080
45.127	0.058	45.146	0.062	45.160	0.058	45.184	0.046	50.708	-0.072	50.737	-0.056	50.759	-0.053	50.784	-0.045
45.201	0.034	45.220	0.022	45.240	0.018	45.264	-0.003	50.799	-0.045	50.821	-0.033	50.843	-0.025	50.869	-0.029
45.284	-0.015	45.310	-0.031	45.331	-0.047	45.358	-0.071	50.898	-0.025	50.930	-0.017	50.945	-0.017	50.964	-0.029
45.381	-0.091	45.405	-0.111	45.431	-0.143	45.449	-0.159	50.984	-0.029	51.011	-0.029	51.029	-0.037	51.048	-0.045
45.464	-0.171	45.487	-0.193	45.510	-0.215	45.527	-0.208	51.063	-0.061	51.099	-0.057	51.135	-0.057	51.183	-0.057
45.549	-0.215	45.561	-0.223	45.575	-0.215	45.598	-0.208	51.217	-0.054	51.257	-0.058	51.293	-0.058	51.329	-0.050
45.618	-0.208	45.637	-0.204	45.661	-0.200	45.682	-0.196	51.374	-0.046	51.414	-0.042	51.444	-0.034	51.473	-0.038
45.696	-0.192	45.717	-0.176	45.738	-0.161	45.759	-0.137	51.514	-0.035	51.552	-0.039	51.590	-0.035	51.622	-0.039
45.774	-0.113	45.798	-0.089	45.819	-0.078	45.837	-0.062	51.661	-0.035	51.704	-0.031	51.753	-0.036	51.785	-0.036
45.857	-0.050	45.869	-0.038	45.892	-0.030	45.911	-0.018	51.830	-0.036	51.875	-0.036	51.946	-0.037	51.989	-0.033
45.927	-0.011	45.949	-0.003	45.971	0.005	45.988	0.005	52.023	-0.023	52.064	-0.021	52.115	-0.005	52.157	0.010
46.007	-0.003	46.021	0.001	46.041	0.007	46.072	0.031	52.194	0.022	52.224	0.030	52.261	0.030	52.302	0.026
46.096	-0.043	46.118	-0.071	46.150	-0.099	46.177	-0.123	52.325	0.026	52.367	0.010	52.398	-0.009	52.438	-0.029
46.230	-0.139	46.238	-0.156	46.263	-0.172	46.285	-0.188	52.476	-0.044	52.513	-0.068	52.540	-0.084	52.565	-0.084
46.310	-0.196	46.327	-0.192	46.347	-0.180	46.370	-0.165	52.592	-0.083	52.626	-0.083	52.655	-0.083	52.691	-0.079
46.388	-0.141	46.425	-0.109	46.457	-0.078	46.479	-0.058	52.725	-0.059	52.754	-0.050	52.790	-0.049	52.823	-0.045
46.515	-0.031	46.548	-0.008	46.577	0.020	46.607	0.047	52.856	-0.016	52.889	-0.011	52.913	-0.003	52.951	0.006
46.638	0.063	46.663	0.078	46.689	0.094	46.713	0.093	52.988	0.015	53.020	0.012	53.053	0.020	53.082	0.029
46.730	0.081	46.757	0.069	46.787	0.057	46.813	0.052	53.115	0.034	53.140	0.042	53.173	0.047	53.211	0.044
46.843	0.032	46.874	0.008	46.901	-0.012	46.924	-0.025	53.245	0.052	53.284	0.060	53.316	0.060	53.337	0.072
46.952	-0.037	46.977	-0.053	47.000	-0.065	47.026	-0.077	53.360	0.065	53.395	0.061	53.427	0.057	53.464	0.065
47.050	-0.081	47.068	-0.073	47.095	-0.069	47.123	-0.058	53.507	0.061	53.532	0.077	53.558	0.053	53.581	0.053
47.157	-0.038	47.190	-0.018	47.229	0.009	47.265	0.053	53.608	0.053	53.630	0.041	53.654	0.037	53.675	0.049
47.298	0.104	47.331	0.136	47.357	0.151	47.376	0.163	53.730	0.053	53.741	0.056	53.759	0.056	53.778	0.055
47.401	0.175	47.424	0.182	47.449	0.190	47.467	0.198	53.797	0.055	53.815	0.051	53.826	0.046	53.842	0.046
47.491	0.190	47.519	0.178	47.542	0.162	47.569	0.134	53.864	0.046	53.882	0.045	53.947	0.045	53.909	0.045
47.594	0.098	47.619	0.066	47.637	0.046	47.656	0.022	53.924	0.049	53.938	0.044	53.997	0.044	53.957	0.044
47.675	0.066	47.698	-0.007	47.727	-0.023	47.751	-0.051	53.966	0.044	53.977	0.040	53.986	0.035	53.997	0.031
47.773	-0.067	47.798	-0.079	47.819	-0.091	47.839	-0.084	54.006	0.027	54.016	0.027	54.027	0.023	54.037	0.011
47.859	-0.076	47.883	-0.077	47.902	-0.061	47.923	-0.050	54.047	0.002	54.057	-0.002	54.067	-0.002	54.079	-0.006
47.946	-0.042	47.965	-0.030	47.990	-0.019	48.017	-0.008	54.089	-0.010	54.102	-0.010	54.112	-0.014	54.123	-0.015
48.039	-0.000	48.059	0.008	48.079	0.007	48.101	0.015	54.133	-0.019	54.148	-0.023	54.163	-0.027	54.177	-0.035
48.124	0.018	48.141	0.030	48.158	0.026	48.172	0.033	54.187	-0.043	54.200	-0.047	54.212	-0.052	54.222	-0.060
48.191	0.033	48.207	0.021	48.225	0.024	48.248	0.012	54.234	-0.064	54.245	-0.068	54.257	-0.068	54.273	-0.064
48.269	0.008	48.285	0.003	48.306	0.003	48.324	0.003	54.285	-0.068	54.296	-0.081	54.309	-0.077	54.322	-0.085
48.341	-0.006	48.357	-0.018	48.376	-0.022	48.396	-0.034	54.337	-0.085	54.354	-0.081	54.371	-0.078	54.387	-0.078
48.415	-0.043	48.433	-0.055	48.449	-0.059	48.465	-0.076	54.400	-0.074	54.414	-0.066	54.428	-0.066	54.442	-0.059
48.490	-0.080	48.512	-0.080	48.536	-0.080	48.565	-0.077	54.454	-0.051	54.464	-0.043	54.475	-0.039	54.486	-0.031
48.598	-0.077	48.629	-0.073	48.654	-0.074	48.683	-0.066	54.495	-0.028	54.506	-0.024	54.519	-0.016	54.530	-0.008
48.707	-0.062	48.736	-0.059	48.772	-0.043	48.812	-0.031	54.542	0.004	54.566	0.015	54.589	0.027	54.613	0.038
48.847	-0.016	48.874	-0.012	48.911	0.012	48.954	0.023	54.633	0.046	54.655	0.054	54.672	0.062	54.689	0.069
48.993	0.039	49.024	0.050	49.049	0.062	49.071	0.066	54.706	0.077	54.722	0.085	54.739	0.088	54.758	0.076



54.779	0.368	54.794	0.060	54.816	0.052	54.834	0.044	59.775	0.002	59.795	-0.010	59.813	-0.026	59.833	-0.042
54.857	0.043	54.875	0.035	54.893	0.027	54.908	0.027	59.851	-0.058	59.866	-0.073	59.884	-0.077	59.900	-0.085
54.926	0.022	54.938	0.022	54.951	0.018	54.965	0.018	59.913	-0.097	59.934	-0.097	59.960	-0.089	59.984	-0.089
54.979	0.010	54.993	0.010	55.007	0.006	55.018	0.005	60.007	-0.081	60.032	-0.073	60.054	-0.058	60.079	-0.042
55.032	0.001	55.046	0.001	55.058	0.001	55.076	0.009	60.101	-0.030	60.130	-0.006	60.156	0.006	60.180	0.022
55.093	0.008	55.108	0.004	55.123	0.004	55.141	0.004	60.198	0.038	60.220	0.053	60.245	0.065	60.269	0.077
55.158	0.004	55.179	0.003	55.194	0.003	55.211	0.011	60.291	0.089	60.310	0.097	60.337	0.105	60.366	0.109
55.227	0.019	55.241	0.018	55.255	0.022	55.266	0.030	60.384	0.109	60.410	0.105	60.442	0.101	60.472	0.097
55.276	0.030	55.288	0.034	55.300	0.038	55.308	0.041	60.491	0.089	60.513	0.081	60.541	0.069	60.565	0.053
55.319	0.037	55.332	0.041	55.344	0.045	55.357	0.049	60.591	0.045	60.621	0.025	60.642	0.017	60.662	0.009
55.369	0.049	55.378	0.049	55.391	0.052	55.403	0.056	60.688	0.005	60.712	-0.011	60.738	-0.016	60.763	-0.024
55.417	0.056	55.431	0.052	55.443	0.056	55.455	0.052	60.789	-0.024	60.815	-0.020	60.848	-0.012	60.875	-0.008
55.467	0.047	55.482	0.051	55.497	0.043	55.515	0.043	60.906	0.003	60.928	0.011	60.954	0.027	60.980	0.055
55.529	0.043	55.547	0.039	55.564	0.030	55.580	0.022	61.007	0.074	61.031	0.074	61.063	0.090	61.088	0.102
55.602	0.014	55.627	0.006	55.646	0.001	55.673	-0.003	61.112	0.118	61.138	0.126	61.155	0.126	61.176	0.126
55.684	0.001	55.707	0.009	55.733	0.008	55.760	0.012	61.197	0.119	61.210	0.123	61.238	0.119	61.269	0.115
55.790	0.023	55.812	0.035	55.836	0.038	55.853	0.046	61.299	0.103	61.307	0.099	61.330	0.091	61.354	0.083
55.875	0.054	55.904	0.065	55.923	0.061	55.958	0.064	61.372	0.072	61.398	0.068	61.418	0.044	61.437	0.033
55.980	0.064	56.006	0.064	56.030	0.059	56.052	0.055	61.456	0.025	61.486	0.005	61.504	0.002	61.524	-0.006
56.071	0.047	56.095	0.042	56.112	0.030	56.131	0.018	61.547	-0.014	61.575	-0.029	61.597	-0.037	61.623	-0.040
56.150	0.001	56.166	-0.011	56.183	-0.019	56.195	-0.027	61.651	-0.040	61.683	-0.044	61.710	-0.039	61.741	-0.027
56.214	-0.032	56.232	-0.032	56.252	-0.033	56.273	-0.041	61.774	-0.007	61.802	0.009	61.840	0.045	61.873	0.073
56.292	-0.041	56.312	-0.038	56.328	-0.034	56.348	-0.035	61.908	0.094	61.951	0.114	61.978	0.122	62.000	0.122
56.371	-0.027	56.403	-0.012	56.418	-0.005	56.442	0.007	62.036	0.115	62.075	0.095	62.104	0.072	62.132	0.056
56.462	0.018	56.483	0.034	56.506	0.048	56.529	0.056	62.157	0.029	62.192	0.013	62.218	-0.010	62.249	-0.042
56.548	0.059	56.569	0.073	56.589	0.078	56.612	0.081	62.279	-0.065	62.303	-0.085	62.326	-0.089	62.354	-0.088
56.631	0.084	56.649	0.084	56.666	0.075	56.687	0.067	62.380	-0.108	62.399	-0.103	62.419	-0.091	62.435	-0.087
56.707	0.050	56.731	0.042	56.756	0.029	56.774	0.017	62.475	-0.070	62.493	-0.061	62.518	-0.045	62.556	-0.024
56.791	0.008	56.809	-0.004	56.826	-0.009	56.846	-0.017	62.589	0.004	62.600	-0.003	62.630	0.025	62.658	0.042
56.865	-0.017	56.888	-0.026	56.915	-0.034	56.939	-0.034	62.691	0.051	62.715	0.059	62.738	0.080	62.758	0.080
56.957	-0.039	56.979	-0.047	57.001	-0.047	57.024	-0.040	62.779	0.073	62.801	0.073	62.822	0.074	62.842	0.063
57.049	-0.032	57.074	-0.017	57.104	-0.005	57.133	0.011	62.863	0.051	62.885	0.044	62.911	0.033	62.941	0.018
57.163	0.034	57.193	0.050	57.219	0.070	57.242	0.078	62.964	0.002	62.983	-0.013	63.005	-0.024	63.025	-0.044
57.263	0.078	57.296	0.090	57.318	0.097	57.348	0.094	63.050	-0.056	63.079	-0.068	63.099	-0.080	63.120	-0.079
57.485	0.042	57.514	0.022	57.541	-0.006	57.565	-0.022	63.137	-0.087	63.163	-0.091	63.188	-0.083	63.217	-0.075
57.591	-0.042	57.619	-0.054	57.648	-0.069	57.668	-0.085	63.249	-0.063	63.282	-0.047	63.309	-0.028	63.328	-0.016
57.694	-0.089	57.717	-0.093	57.743	-0.093	57.776	-0.081	63.347	-0.012	63.373	0.000	63.405	0.012	63.427	0.025
57.801	-0.069	57.840	-0.054	57.872	-0.034	57.908	-0.006	63.461	0.025	63.500	0.025	63.527	0.018	63.562	0.018
57.933	0.018	57.958	0.030	57.999	0.077	58.028	0.097	63.607	0.002	63.648	-0.017	63.662	-0.045	63.695	-0.044
58.054	0.113	58.079	0.121	58.105	0.129	58.131	0.125	63.735	-0.056	63.765	-0.063	63.797	-0.066	63.815	-0.078
58.152	0.121	58.178	0.109	58.199	0.089	58.219	0.081	63.855	-0.073	63.890	-0.057	63.916	-0.048	63.930	-0.040
58.243	0.058	58.269	0.034	58.294	0.010	58.320	-0.006	63.987	-0.015	64.006	-0.007	64.056	0.021	64.066	0.033
58.343	-0.034	58.366	-0.062	58.394	-0.101	58.416	-0.121	64.085	0.049	64.104	0.061	64.154	0.089	64.167	0.093
58.445	-0.141	58.464	-0.149	58.487	-0.137	58.511	-0.125	64.191	0.094	64.210	0.094	64.231	0.094	64.248	0.090
58.540	-0.109	58.560	-0.081	58.592	-0.062	58.615	-0.058	64.266	0.086	64.283	0.079	64.298	0.079	64.320	0.063
58.632	-0.042	58.670	-0.018	58.704	0.022	58.732	0.053	64.336	0.055	64.357	0.044	64.370	0.044	64.383	0.036
58.762	0.059	58.786	0.089	58.801	0.089	58.831	0.093	64.396	0.024	64.411	0.020	64.424	0.008	64.438	0.005
58.859	0.081	58.885	0.069	58.900	0.073	58.931	0.049	64.516	-0.003	64.532	-0.010	64.543	-0.018	64.564	-0.029
58.960	0.033	58.997	0.009	59.033	-0.031	59.068	-0.063	64.581	-0.047	64.600	-0.043	64.621	-0.046	64.644	-0.046
59.093	-0.087	59.126	-0.111	59.160	-0.127	59.199	-0.143	64.651	-0.033	64.681	-0.037	64.699	-0.029	64.723	-0.028
59.221	-0.147	59.247	-0.147	59.281	-0.136	59.321	-0.112	64.663	0.024	64.762	-0.015	64.782	-0.015	64.802	-0.011
59.356	-0.088	59.411	-0.045	59.454	-0.009	59.486	0.018	64.743	-0.024	64.840	-0.006	64.856	0.002	64.873	0.007
59.513	0.046	59.544	0.070	59.574	0.094	59.600	0.086	64.822	-0.006	64.840	-0.006	64.856	0.002	64.942	0.020
59.624	0.078	59.641	0.066	59.657	0.058	59.680	0.046	64.888	0.011	64.905	0.020	64.922	0.020	65.006	0.008
59.699	0.038	59.718	0.034	59.736	0.026	59.756	0.010	65.025	0.004	65.040	0.000	65.057	-0.003	65.073	-0.007



65.088	-0.015	65.104	-0.019	65.120	-0.023	65.136	-0.027	69.528	0.024	69.553	-0.011	69.580	-0.011	69.602	-0.027
65.152	-0.035	65.166	-0.043	65.181	-0.050	65.196	-0.058	69.620	-0.042	69.655	-0.062	69.687	-0.097	69.718	-0.121
65.211	-0.058	65.228	-0.066	65.244	-0.086	65.259	-0.078	69.744	-0.143	69.765	-0.156	69.791	-0.152	69.818	-0.147
65.274	-0.082	65.291	-0.086	65.305	-0.089	65.318	-0.089	69.851	-0.143	69.878	-0.127	69.909	-0.110	69.945	-0.090
65.333	-0.093	65.346	-0.097	65.362	-0.093	65.375	-0.089	69.988	-0.065	70.019	-0.037	70.053	-0.005	70.082	-0.019
65.393	-0.085	65.410	-0.085	65.425	-0.073	65.441	-0.073	70.106	0.028	70.127	0.040	70.150	0.041	70.173	0.045
65.456	-0.066	65.471	-0.058	65.487	-0.050	65.499	-0.038	70.196	0.049	70.218	0.042	70.239	0.038	70.260	0.031
65.519	-0.034	65.535	-0.030	65.554	-0.014	65.574	-0.002	70.303	0.032	70.327	0.020	70.348	0.009	70.372	0.005
65.588	0.006	65.608	0.014	65.631	0.026	65.647	0.038	70.397	-0.014	70.427	-0.026	70.455	-0.034	70.482	-0.041
65.666	0.046	65.683	0.050	65.702	0.050	65.719	0.054	70.513	0.045	70.554	0.044	70.582	0.044	70.627	0.048
65.736	0.054	65.749	0.050	65.761	0.054	65.777	0.046	70.655	-0.048	70.681	-0.040	70.716	-0.016	70.766	-0.001
65.798	0.046	65.817	0.034	65.833	0.034	65.851	0.026	70.800	0.007	70.831	0.015	70.855	0.019	70.882	0.023
65.867	0.018	65.885	0.010	65.901	0.002	65.916	-0.002	70.902	0.031	70.924	0.035	70.941	0.039	70.955	0.042
65.936	-0.018	65.957	-0.018	65.974	-0.030	65.995	-0.034	70.979	0.030	71.008	0.018	71.027	0.014	71.050	0.014
66.016	-0.042	66.039	-0.054	66.062	-0.058	66.082	-0.062	71.070	0.006	71.093	-0.006	71.115	-0.010	71.138	-0.018
66.099	-0.054	66.118	-0.046	66.137	-0.046	66.158	-0.046	71.160	-0.026	71.181	-0.030	71.200	-0.034	71.220	-0.042
66.176	-0.038	66.197	-0.026	66.213	-0.022	66.228	-0.014	71.243	-0.046	71.262	-0.046	71.284	-0.046	71.305	-0.042
66.251	-0.006	66.269	0.002	66.287	0.014	66.306	0.022	71.329	-0.038	71.351	-0.022	71.375	-0.014	71.399	-0.010
66.327	0.030	66.348	0.038	66.357	0.046	66.377	0.062	71.417	-0.010	71.435	-0.002	71.462	0.002	71.479	0.014
66.396	0.065	66.416	0.077	66.434	0.085	66.454	0.093	71.511	0.030	71.547	0.054	71.569	0.062	71.606	0.062
66.470	0.101	66.486	0.109	66.504	0.109	66.520	0.113	71.525	0.050	71.647	0.043	71.690	0.051	71.718	0.055
66.536	0.113	66.556	0.109	66.576	0.101	66.595	0.097	71.752	0.039	71.779	0.032	71.813	0.016	71.843	0.005
66.617	0.093	66.637	0.081	66.660	0.065	66.682	0.054	71.865	-0.007	71.896	-0.015	71.926	-0.019	71.956	-0.022
66.701	0.042	66.723	0.038	66.745	0.022	66.768	0.014	71.999	-0.014	72.024	-0.010	72.068	-0.009	72.088	-0.005
66.783	0.010	66.805	-0.002	66.832	-0.014	66.850	-0.022	72.109	0.007	72.134	0.023	72.154	0.039	72.183	0.043
66.872	-0.018	66.894	-0.022	66.916	-0.025	66.937	-0.017	72.202	0.051	72.225	0.063	72.248	0.079	72.270	0.080
66.956	-0.013	66.976	-0.013	66.996	-0.009	67.013	-0.005	72.292	0.092	72.308	0.092	72.328	0.100	72.340	0.116
67.035	0.007	67.059	0.011	67.090	0.031	67.114	0.055	72.356	0.120	72.384	0.108	72.408	0.096	72.431	0.097
67.138	0.071	67.162	0.083	67.186	0.099	67.212	0.103	72.456	0.097	72.477	0.093	72.499	0.085	72.521	0.077
67.233	0.103	67.252	0.108	67.276	0.100	67.297	0.100	72.555	0.065	72.585	0.053	72.613	0.045	72.631	0.034
67.318	0.096	67.343	0.088	67.362	0.080	67.388	0.073	72.652	0.030	72.682	0.022	72.705	0.014	72.742	0.022
67.415	0.057	67.436	0.041	67.456	0.026	67.477	0.014	72.778	0.022	72.811	0.019	72.855	0.019	72.873	0.027
67.496	0.006	67.512	0.006	67.532	-0.006	67.553	-0.014	72.909	0.043	72.946	0.055	72.962	0.063	72.996	0.079
67.569	-0.021	67.587	-0.025	67.606	-0.033	67.626	-0.041	73.032	0.079	73.037	0.075	73.076	0.076	73.106	0.080
67.642	-0.041	67.654	-0.029	67.676	-0.025	67.694	-0.021	73.133	0.084	73.155	0.092	73.172	0.093	73.191	0.089
67.715	-0.020	67.738	-0.008	67.760	-0.004	67.780	0.004	73.211	0.081	73.228	0.077	73.248	0.066	73.259	0.054
67.803	0.016	67.825	0.028	67.843	0.044	67.863	0.060	73.341	0.003	73.356	0.003	73.378	-0.001	73.400	-0.008
67.884	0.054	67.903	0.068	67.924	0.084	67.941	0.092	73.429	0.046	73.458	0.034	73.512	0.027	73.536	0.015
67.961	0.096	67.979	0.093	68.000	0.093	68.015	0.089	73.541	-0.012	73.566	-0.012	73.587	-0.023	73.603	-0.019
68.040	0.093	68.059	0.089	68.078	0.082	68.103	0.070	73.618	0.012	73.646	0.012	73.666	-0.020	73.688	-0.016
68.121	0.062	68.141	0.059	68.161	0.055	68.179	0.039	73.795	-0.015	73.821	-0.007	73.852	-0.003	73.882	-0.005
68.196	0.031	68.216	0.016	68.236	0.004	68.255	-0.008	73.912	0.078	73.934	0.063	73.967	0.055	73.996	0.043
68.275	-0.016	68.292	-0.015	68.313	-0.019	68.334	-0.023	74.028	0.036	74.080	0.037	74.114	0.038	74.130	0.030
68.357	-0.019	68.377	-0.018	68.404	-0.018	68.432	-0.014	74.147	0.023	74.171	0.015	74.192	-0.000	74.213	0.000
68.450	-0.005	68.475	0.003	68.498	0.011	68.526	0.015	74.237	-0.003	74.270	-0.015	74.335	-0.014	74.367	-0.014
68.550	0.020	68.568	0.028	68.584	0.036	68.608	0.036	74.385	-0.014	74.418	-0.026	74.443	-0.018	74.462	-0.021
68.631	0.052	68.651	0.064	68.672	0.068	68.693	0.068	74.519	-0.009	74.570	-0.008	74.621	-0.014	74.717	-0.004
68.714	0.064	68.746	0.064	68.768	0.053	68.787	0.049	74.755	0.001	74.796	0.003	74.829	-0.022	74.869	-0.022
68.804	0.045	68.828	0.037	68.847	0.029	68.867	0.025	74.907	-0.022	74.953	-0.026	74.979	-0.043	75.020	-0.051
68.890	0.022	68.908	0.006	68.928	0.002	68.947	-0.010	75.099	-0.061	75.145	-0.054	75.192	-0.056	75.231	-0.062
68.968	-0.018	68.990	-0.026	69.009	-0.038	69.028	-0.053	75.286	-0.048	75.344	-0.017	75.400	0.002	75.453	0.001
69.052	-0.057	69.075	-0.057	69.103	-0.057	69.130	-0.057	75.488	0.021	75.546	0.033	75.573	0.041	75.618	0.041
69.157	-0.049	69.178	-0.041	69.205	-0.033	69.232	-0.025	75.662	0.026	75.702	0.014	75.762	0.014	75.838	0.019
69.261	-0.021	69.286	-0.009	69.312	0.007	69.341	0.023	75.897	0.027	75.960	0.035	75.989	0.040	76.003	0.036
69.364	0.047	69.386	0.059	69.407	0.063	69.422	0.055								
69.447	0.063	69.474	0.048	69.493	0.044	69.512	0.040								



76.077	0.021	76.112	0.022	76.155	0.026	76.216	0.018
76.283	-0.003	76.333	-0.004	76.407	0.023	76.454	0.019
76.509	0.007	76.558	0.031	76.606	0.059	76.646	0.036
76.711	0.004	76.750	0.017	76.787	0.013	76.823	0.009
76.868	-0.003	76.921	-0.018	76.965	-0.018	77.008	-0.006
77.058	-0.013	77.109	-0.018	77.163	-0.006	77.243	0.014
77.306	0.026	77.377	0.030	77.458	0.038	77.522	0.046
77.592	0.018	77.652	0.013	77.734	0.021	77.804	0.028
77.865	0.035	77.927	0.050	78.012	0.053	78.073	0.052
78.140	0.067	78.157	0.066	78.203	0.046	78.280	0.049
78.323	0.047	78.378	0.027	78.433	0.007	78.510	-0.002
78.577	-0.007	78.661	-0.001	78.709	0.018	78.775	0.037
78.851	0.063	78.935	0.066	78.988	0.049	79.072	0.032
79.147	-0.000	79.221	-0.013	79.283	-0.005	79.369	0.002
79.422	0.006	79.458	0.010	79.498	0.018	79.526	0.030
79.601	0.034	79.683	0.018	79.730	0.022	79.776	-0.002
79.829	-0.014	79.868	-0.018	79.908	-0.026	79.966	-0.038
80.035	-0.034	80.087	-0.014	80.127	-0.002	80.178	0.002
80.229	0.018	80.290	0.018	80.357	0.026	80.406	0.038
80.466	0.034	80.511	0.034	80.590	0.014	80.678	-0.014
80.708	-0.006	80.784	0.002	80.853	0.014	80.892	0.022
80.976	0.030	81.022	0.026	81.079	0.014	81.132	0.014
81.220	-0.002	81.284	-0.014	81.343	-0.033	81.415	-0.043
81.452	-0.054	81.504	-0.045	81.540	-0.049	81.562	-0.033
81.596	-0.028	81.650	-0.009	81.696	0.009	81.759	0.021
81.805	0.039	81.848	0.048	81.890	0.046	81.946	0.038
82.011	0.035	82.052	0.018	82.099	0.006	82.130	-0.010
82.200	-0.015	82.258	-0.018	82.316	-0.017	82.385	0.011
82.432	0.023	82.506	0.039	82.554	0.046	82.614	0.054
82.694	0.050	82.776	0.030	82.854	0.038	82.944	0.034
83.024	0.026	83.155	0.030	83.245	0.030	83.339	0.034
83.392	0.038	83.486	0.023	83.538	0.011	83.600	0.004
83.658	-0.008	83.723	-0.011	83.791	-0.006	83.876	0.003
83.963	-0.004	84.034	-0.008	84.103	-0.011	84.168	-0.023
84.242	-0.018	84.300	-0.014	84.353	-0.001	84.421	0.003
84.480	0.020	84.544	0.025	84.616	0.018	84.659	-0.005
84.750	-0.019	84.825	-0.022	84.930	-0.029	85.027	-0.029
85.079	-0.013	85.147	-0.006	85.226	-0.010	85.300	-0.010



71.041 2/9/71 0600 PST L.A. 8629 LINCOLN, 12TH FLOOR

3921 POINTS 85.468 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 0.2251 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.081	0.012	0.093	0.024	0.101	0.031	0.113	1.692	0.232	1.703	0.165	1.714	0.129	1.724	0.105
0.038	0.097	0.046	0.089	0.056	0.073	0.065	0.061	1.739	0.101	1.757	0.070	1.769	0.026	1.780	-0.002
0.065	0.074	0.053	0.079	0.085	0.053	0.079	0.053	1.793	-0.026	1.806	-0.006	1.820	0.014	1.828	0.038
0.101	0.057	0.107	0.065	0.115	0.072	0.123	0.064	1.845	0.042	1.858	0.022	1.870	-0.013	1.882	-0.045
0.131	0.052	0.141	0.040	0.148	0.028	0.158	0.028	1.892	-0.061	1.907	-0.061	1.920	-0.045	1.935	-0.025
0.170	0.036	0.177	0.048	0.186	0.064	0.193	0.075	1.949	-0.065	1.964	-0.001	1.982	-0.009	1.996	-0.033
0.199	0.083	0.208	0.095	0.215	0.091	0.221	0.087	1.999	-0.112	2.034	-0.140	2.050	-0.116	2.066	-0.072
0.234	0.067	0.247	0.063	0.258	0.055	0.267	0.035	2.091	0.012	2.111	0.060	2.128	0.099	2.145	0.143
0.278	0.011	0.285	-0.017	0.297	-0.045	0.306	0.053	2.160	0.179	2.180	0.211	2.193	0.251	2.216	0.354
0.315	-0.057	0.325	-0.053	0.337	-0.049	0.346	-0.045	2.234	0.390	2.250	0.366	2.283	0.271	2.307	0.160
0.358	-0.053	0.368	-0.069	0.373	-0.085	0.383	-0.105	2.332	0.088	2.353	0.037	2.381	0.013	2.399	-0.053
0.393	0.121	0.403	-0.117	0.417	-0.093	0.425	-0.065	2.417	-0.098	2.432	-0.150	2.449	-0.186	2.463	-0.186
0.435	-0.041	0.442	-0.022	0.453	0.002	0.464	0.018	2.482	-0.162	2.500	-0.162	2.526	-0.174	2.539	-0.202
0.472	0.022	0.482	0.014	0.490	0.010	0.499	0.002	2.558	-0.218	2.582	-0.242	2.594	-0.234	2.611	-0.194
0.507	-0.006	0.516	-0.006	0.525	-0.001	0.534	0.011	2.627	-0.123	2.657	0.091	2.667	0.158	2.681	0.226
0.544	0.023	0.559	0.035	0.569	0.035	0.583	0.035	2.694	0.265	2.707	0.281	2.716	0.265	2.734	0.249
0.596	0.043	0.605	0.031	0.616	0.004	0.624	-0.008	2.744	0.265	2.758	0.293	2.780	0.345	2.786	0.360
0.634	-0.020	0.643	-0.032	0.653	-0.008	0.666	0.028	2.797	0.166	2.809	0.348	2.822	0.301	2.833	0.241
0.678	0.068	0.689	0.096	0.701	0.116	0.712	0.124	2.846	0.166	2.859	0.094	2.871	0.043	2.887	-0.001
0.721	0.124	0.733	0.124	0.744	0.116	0.755	0.089	2.900	-0.041	2.923	-0.084	2.935	-0.120	2.952	-0.180
0.765	0.049	0.774	0.017	0.781	-0.018	0.790	-0.038	2.963	-0.219	2.975	-0.287	2.986	-0.334	2.996	-0.378
0.800	-0.054	0.814	-0.058	0.824	-0.073	0.833	-0.089	3.006	-0.398	3.018	-0.382	3.030	-0.374	3.041	-0.373
0.840	-0.101	0.851	-0.097	0.863	-0.073	0.872	-0.041	3.054	-0.393	3.065	-0.409	3.076	-0.429	3.086	-0.421
0.885	-0.007	0.893	0.023	0.894	0.043	0.917	0.003	3.098	-0.401	3.106	-0.393	3.118	-0.377	3.127	-0.365
0.931	-0.036	0.943	-0.072	0.953	-0.096	0.964	-0.111	3.144	-0.360	3.158	-0.352	3.177	-0.304	3.192	-0.221
0.979	-0.131	0.987	-0.135	0.996	-0.103	1.007	-0.071	3.204	-0.161	3.215	-0.070	3.231	0.050	3.239	0.109
1.016	-0.032	1.025	0.024	1.030	0.056	1.036	0.079	3.249	0.236	3.255	0.292	3.263	0.359	3.267	0.415
1.043	0.095	1.052	0.111	1.060	0.115	1.062	0.103	3.272	0.447	3.276	0.463	3.283	0.495	3.292	0.506
1.079	0.083	1.087	0.072	1.096	0.056	1.106	0.052	3.309	0.467	3.319	0.431	3.332	0.395	3.341	0.388
1.114	0.044	1.121	0.044	1.129	0.044	1.141	0.036	3.357	0.407	3.367	0.435	3.379	0.475	3.386	0.507
1.153	0.072	1.164	0.083	1.175	0.087	1.188	0.083	3.395	0.584	3.404	0.598	3.413	0.650	3.422	0.682
1.203	0.083	1.212	0.076	1.224	0.060	1.233	0.048	3.432	0.702	3.445	0.674	3.458	0.602	3.465	0.523
1.242	0.032	1.256	0.028	1.270	0.024	1.285	-0.008	3.479	0.384	3.492	0.229	3.503	0.150	3.516	0.046
1.300	-0.055	1.308	-0.079	1.318	-0.111	1.331	-0.146	3.532	-0.061	3.549	-0.176	3.564	-0.252	3.578	-0.324
1.340	-0.174	1.353	-0.206	1.362	-0.222	1.377	-0.249	3.593	-0.388	3.609	-0.420	3.626	-0.440	3.637	-0.448
1.394	-0.269	1.411	-0.253	1.428	-0.233	1.446	-0.198	3.654	-0.448	3.668	-0.468	3.681	-0.488	3.695	-0.489
1.466	-0.182	1.483	-0.166	1.495	-0.146	1.508	-0.130	3.712	-0.837	3.723	-0.394	3.736	-0.334	3.748	-0.271
1.520	-0.106	1.535	-0.098	1.553	-0.086	1.566	-0.054	3.756	-0.219	3.766	-0.156	3.775	-0.089	3.784	-0.021
1.584	-0.017	1.594	0.073	1.608	0.121	1.622	0.156	3.795	0.082	3.805	0.137	3.818	0.193	3.835	0.236
1.634	-0.188	1.648	-0.224	1.664	0.252	1.674	0.272	3.847	0.276	3.862	0.315	3.877	0.351	3.894	0.374



3.909	0.414	3.926	0.497	3.938	0.549	3.949	0.572	6.964	1.174	6.975	1.214	6.985	1.230	7.000	1.218
3.964	0.548	3.978	0.504	3.987	0.461	3.998	0.441	7.015	1.166	7.030	1.051	7.039	0.964	7.050	0.841
4.013	0.445	4.029	0.461	4.042	0.437	4.059	0.397	7.060	0.702	7.072	0.543	7.088	0.336	7.104	0.114
4.069	0.342	4.086	0.258	4.096	0.199	4.108	0.103	7.119	-0.085	7.133	-0.224	7.146	-0.395	7.162	-0.573
4.124	-0.012	4.140	-0.135	4.154	-0.214	4.172	-0.286	7.177	-0.768	7.191	-0.947	7.204	-1.098	7.221	-1.229
4.186	-0.345	4.203	-0.373	4.214	-0.381	4.229	-0.341	7.238	-1.288	7.254	-1.273	7.271	-1.269	7.286	-1.254
4.243	-0.302	4.259	-0.278	4.267	-0.254	4.279	-0.238	7.298	-1.242	7.313	-1.234	7.326	-1.203	7.344	-1.140
4.288	-0.254	4.299	-0.218	4.311	-0.282	4.324	-0.266	7.347	-1.037	7.360	-0.878	7.371	-0.763	7.380	-0.656
4.334	-0.231	4.341	-0.183	4.351	-0.088	4.358	-0.008	7.391	-0.514	7.398	-0.411	7.407	-0.272	7.421	-0.101
4.370	0.103	4.377	0.194	4.384	0.273	4.392	0.333	7.434	0.089	7.450	0.255	7.466	0.386	7.477	0.461
4.403	0.392	4.411	0.420	4.421	0.396	4.433	0.376	7.489	0.560	7.501	0.639	7.508	0.718	7.519	0.790
4.447	0.361	4.462	0.353	4.475	0.349	4.485	0.360	7.527	0.861	7.544	0.944	7.559	0.979	7.571	1.007
4.496	0.392	4.509	0.440	4.520	0.475	4.529	0.519	7.586	1.034	7.601	1.030	7.616	0.974	7.633	0.890
4.538	0.531	4.545	0.539	4.560	0.499	4.582	0.388	7.644	0.783	7.658	0.695	7.669	0.588	7.683	0.428
4.597	0.269	4.612	0.139	4.628	0.130	4.639	0.106	7.699	0.245	7.714	0.090	7.730	-0.002	7.748	-0.069
4.654	0.098	4.669	0.110	4.677	0.117	4.745	-0.276	7.757	-0.121	7.772	-0.229	7.786	-0.324	7.801	-0.388
4.706	0.046	4.721	-0.038	4.734	-0.177	4.745	-0.276	7.813	-0.424	7.830	-0.480	7.851	-0.583	7.864	-0.742
4.761	-0.351	4.775	-0.407	4.786	-0.443	4.803	-0.407	7.876	-0.850	7.889	-0.921	7.905	-1.001	7.916	-1.065
4.817	-0.368	4.828	-0.332	4.845	-0.289	4.864	-0.249	7.930	-1.093	7.945	-1.053	7.959	-0.950	7.970	-0.807
4.877	-0.245	4.890	-0.225	4.904	-0.186	4.922	-0.119	7.983	-0.673	7.992	-0.530	8.001	-0.439	8.011	-0.312
4.939	-0.027	4.949	0.044	4.964	0.155	4.978	0.215	8.022	-0.213	8.034	-0.086	8.042	0.017	8.058	0.148
4.991	0.274	5.006	0.329	5.019	0.385	5.031	0.416	8.071	0.247	8.081	0.318	8.095	0.370	8.113	0.429
5.043	0.476	5.060	0.511	5.080	0.527	5.093	0.567	8.130	0.460	8.150	0.512	8.170	0.535	8.184	0.503
5.111	0.614	5.126	0.657	5.147	0.669	5.170	0.677	8.198	0.543	8.213	0.483	8.231	0.491	8.245	0.443
5.251	0.227	5.265	0.064	5.282	-0.091	5.301	-0.210	8.264	0.303	8.280	0.224	8.299	0.117	8.320	0.017
5.374	-0.293	5.391	-0.778	5.409	-0.798	5.427	-0.779	8.343	-0.038	8.364	-0.027	8.378	-0.031	8.394	-0.082
5.442	-0.771	5.458	-0.707	5.471	-0.640	5.486	-0.557	8.407	-0.142	8.427	-0.222	8.443	-0.265	8.457	-0.266
5.500	-0.482	5.514	-0.442	5.527	-0.391	5.538	-0.312	8.479	-0.250	8.493	-0.270	8.511	-0.278	8.527	-0.266
5.550	-0.524	5.562	-0.429	5.574	-0.018	5.586	0.105	8.536	-0.258	8.553	-0.254	8.572	-0.242	8.586	-0.215
5.600	0.239	5.612	0.366	5.622	0.457	5.635	0.608	8.601	-0.131	8.612	-0.056	8.624	0.039	8.643	0.142
5.645	0.699	5.654	0.786	5.668	0.814	5.680	0.798	8.664	0.210	8.671	0.281	8.696	0.337	8.711	0.364
5.695	0.746	5.710	0.698	5.726	0.670	5.742	0.622	8.725	0.380	8.739	0.388	8.756	0.392	8.768	0.376
5.763	0.547	5.772	0.467	5.789	0.384	5.806	0.344	8.780	0.344	8.791	0.300	8.810	0.272	8.810	0.244
5.831	0.320	5.845	0.240	5.867	0.105	5.885	-0.007	8.825	0.188	8.837	0.144	8.851	0.124	8.864	0.140
5.898	-0.118	5.915	-0.305	5.930	-0.503	5.945	-0.706	8.875	0.152	8.884	0.168	8.895	0.183	8.906	0.199
5.955	-0.809	5.966	-0.893	5.981	-0.941	6.003	-0.941	8.921	0.183	8.935	0.135	8.949	0.095	8.971	0.047
6.020	-0.937	6.035	-0.929	6.054	-0.925	6.071	-0.945	8.985	-0.001	9.003	-0.049	9.017	-0.089	9.032	-0.109
6.078	-0.952	6.090	-0.968	6.102	-0.952	6.116	-0.909	9.040	-0.137	9.055	-0.161	9.069	-0.177	9.084	-0.165
6.129	-0.809	6.137	-0.730	6.146	-0.639	6.153	-0.527	9.101	-0.142	9.111	-0.134	9.124	-0.122	9.138	-0.126
6.166	-0.337	6.177	-0.249	6.184	-0.158	6.194	-0.079	9.154	-0.162	9.170	-0.206	9.185	-0.254	9.199	-0.306
6.207	0.009	6.220	0.120	6.229	0.203	6.240	0.327	9.212	-0.338	9.230	-0.314	9.249	-0.235	9.261	-0.160
6.254	0.501	6.262	0.620	6.274	0.767	6.285	0.898	9.274	-0.064	9.286	0.015	9.297	0.067	9.306	0.110
6.297	1.010	6.310	1.073	6.326	1.125	6.342	1.125	9.318	0.158	9.330	0.186	9.346	0.186	9.366	0.154
6.353	1.121	6.373	1.129	6.384	1.105	6.401	1.066	9.379	0.118	9.398	0.106	9.414	0.126	9.435	0.182
6.417	0.970	6.430	0.843	6.447	0.708	6.464	0.581	9.452	0.233	9.461	0.261	9.473	0.277	9.480	0.289
6.483	0.351	6.506	0.026	6.520	-0.161	6.530	-0.268	9.490	0.305	9.502	0.293	9.512	0.269	9.524	0.237
6.559	-0.490	6.570	-0.589	6.589	-0.776	6.601	-0.955	9.537	0.197	9.544	0.166	9.550	0.150	9.559	0.134
6.610	-1.054	6.623	-1.161	6.637	-1.221	6.649	-1.253	9.565	0.122	9.573	0.118	9.583	0.126	9.590	0.130
6.659	-1.257	6.679	-1.205	6.699	-1.110	6.715	-1.018	9.628	0.201	9.634	0.205	9.642	0.193	9.654	0.181
6.725	-0.983	6.735	-0.887	6.744	-0.804	6.753	-0.732	9.663	0.153	9.674	0.125	9.683	0.106	9.696	0.106
6.764	-0.633	6.777	-0.490	6.785	-0.371	6.795	-0.228	9.708	0.125	9.718	0.145	9.727	0.157	9.738	0.173
6.806	-0.097	6.817	-0.038	6.829	0.233	6.842	0.423	9.750	0.177	9.762	0.160	9.773	0.136	9.783	0.088
6.853	0.586	6.864	0.705	6.873	0.832	6.887	0.967	9.795	0.044	9.808	0.032	9.821	0.032	9.831	0.032
6.897	1.059	6.912	1.106	6.935	1.118	6.950	1.134	9.847	0.043	9.858	0.051	9.865	0.063	9.874	0.070
								9.886	0.086	9.895	0.106	9.907	0.121	9.916	0.109



9.929	0.081	9.937	0.053	9.948	0.021	9.957	-0.043	14.118	0.157	14.142	0.188	14.164	0.240	14.180	0.299
9.969	-0.099	9.978	-0.135	9.988	-0.151	10.002	-0.151	14.202	0.334	14.221	0.326	14.247	0.274	14.276	0.127
10.015	-0.139	10.028	-0.128	10.040	-0.120	10.052	-0.105	14.295	0.047	14.315	-0.096	14.336	-0.191	14.362	-0.319
10.067	-0.101	10.078	-0.101	10.091	-0.101	10.102	-0.114	14.383	0.423	14.400	-0.471	14.429	-0.492	14.451	-0.504
10.116	-0.130	10.132	-0.150	10.147	-0.174	10.158	-0.159	14.476	-0.492	14.499	-0.461	14.516	-0.417	14.534	-0.338
10.170	-0.123	10.183	-0.052	10.193	-0.009	10.203	0.051	14.556	-0.231	14.578	-0.124	14.597	-0.022	14.617	0.101
10.210	0.086	10.217	0.158	10.221	0.173	10.227	0.233	14.631	0.184	14.655	0.303	14.672	0.370	14.689	0.434
10.235	0.284	10.244	0.332	10.250	0.375	10.261	0.427	14.704	0.461	14.722	0.437	14.745	0.405	14.760	0.389
10.273	0.450	10.285	0.466	10.303	0.430	10.317	0.390	14.779	0.373	14.808	0.349	14.832	0.265	14.864	0.059
10.333	0.342	10.348	0.306	10.364	0.282	10.377	0.246	14.891	-0.120	14.913	-0.232	14.935	-0.351	14.965	-0.482
10.391	0.182	10.405	0.111	10.417	0.047	10.434	-0.037	14.988	0.574	15.011	-0.645	15.028	-0.641	15.050	-0.629
10.452	-0.144	10.474	-0.315	10.494	-0.431	10.512	-0.506	15.076	-0.582	15.094	-0.518	15.112	-0.439	15.124	-0.383
10.571	-0.659	10.597	-0.655	10.618	-0.552	10.646	-0.410	15.153	-0.208	15.177	-0.042	15.200	0.145	15.221	0.320
10.664	-0.276	10.678	-0.153	10.689	-0.038	10.707	0.196	15.242	0.463	15.266	0.605	15.297	0.716	15.322	0.792
10.720	0.366	10.730	0.473	10.744	0.616	10.755	0.687	15.354	0.831	15.386	0.811	15.410	0.752	15.441	0.513
10.768	0.742	10.783	0.798	10.796	0.785	10.813	0.737	15.470	0.227	15.501	-0.094	15.528	-0.384	15.549	-0.599
10.830	0.673	10.848	0.629	10.867	0.605	10.887	0.573	15.570	-0.822	15.588	-0.965	15.605	-1.044	15.618	-1.112
10.908	0.489	10.932	0.373	10.953	0.262	10.974	0.107	15.634	-1.156	15.652	-1.156	15.681	-1.137	15.697	-1.089
10.994	-0.064	11.009	-0.203	11.023	-0.334	11.042	-0.414	15.710	-1.014	15.732	-0.895	15.746	-0.756	15.765	-0.546
11.064	-0.461	11.078	-0.442	11.088	-0.394	11.105	-0.299	15.784	-0.308	15.799	-0.130	15.816	0.053	15.835	0.255
11.124	-0.203	11.145	-0.120	11.164	-0.115	11.181	-0.107	15.856	0.453	15.878	0.636	15.895	0.747	15.912	0.818
11.194	-0.080	11.214	-0.020	11.227	0.012	11.249	0.048	15.929	0.889	15.948	0.945	15.966	1.000	15.983	1.028
11.266	0.067	11.284	0.091	11.299	0.087	11.313	0.075	16.006	1.023	16.031	0.996	16.053	0.924	16.074	0.805
11.326	0.063	11.334	0.039	11.351	0.011	11.363	0.011	16.099	0.603	16.115	0.428	16.146	0.230	16.168	0.063
11.374	0.007	11.387	0.003	11.393	0.007	11.411	0.030	16.191	-0.107	16.217	-0.322	16.243	-0.564	16.264	-0.703
11.432	0.070	11.454	0.094	11.472	0.093	11.488	0.081	16.284	-0.786	16.299	-0.786	16.326	-0.746	16.347	-0.706
11.500	0.069	11.512	0.081	11.527	0.105	11.545	0.193	16.362	-0.662	16.385	-0.586	16.408	-0.499	16.424	-0.427
11.582	0.383	11.610	0.523	11.621	0.562	11.635	0.614	16.438	-0.340	16.457	-0.229	16.479	-0.038	16.500	0.117
11.650	0.586	11.661	0.539	11.679	0.443	11.691	0.384	16.518	0.232	16.540	0.351	16.564	0.399	16.589	0.426
11.715	0.336	11.744	0.253	11.766	0.174	11.777	0.135	16.603	0.458	16.622	0.485	16.642	0.489	16.664	0.477
11.805	0.064	11.820	0.009	11.835	-0.054	11.855	-0.197	16.684	0.417	16.701	0.342	16.718	0.270	16.745	0.175
11.876	-0.355	11.896	-0.486	11.910	-0.573	11.926	-0.636	16.765	0.099	16.789	0.032	16.815	-0.052	16.836	-0.140
11.938	-0.683	11.948	-0.707	11.958	-0.714	11.974	-0.698	16.859	-0.231	16.877	-0.311	16.900	-0.347	16.921	-0.331
11.990	-0.686	12.011	-0.690	12.036	-0.729	12.055	-0.765	16.964	-0.311	16.985	-0.280	17.013	-0.256	17.033	-0.228
12.071	-0.800	12.086	-0.836	12.097	-0.800	12.111	-0.729	17.062	-0.189	17.081	-0.185	17.110	-0.169	17.134	-0.117
12.120	-0.657	12.136	-0.514	12.164	-0.220	12.182	-0.046	17.164	-0.050	17.195	0.022	17.217	0.062	17.236	0.097
12.205	0.240	12.231	0.542	12.244	0.729	12.273	0.855	17.254	0.069	17.275	0.037	17.296	0.001	17.308	0.007
12.311	0.950	12.320	0.954	12.343	0.902	12.361	0.850	17.346	-0.007	17.362	-0.035	17.380	-0.087	17.404	-0.155
12.380	0.787	12.401	0.723	12.413	0.635	12.442	0.440	17.436	-0.211	17.451	-0.239	17.477	-0.211	17.502	-0.156
12.459	0.250	12.479	0.075	12.502	-0.092	12.519	-0.176	17.528	-0.074	17.555	0.029	17.585	0.115	17.607	0.202
12.534	-0.231	12.543	-0.275	12.562	-0.335	12.587	-0.414	17.639	0.281	17.668	0.335	17.715	0.350	17.753	0.369
12.604	-0.494	12.621	-0.573	12.638	-0.641	12.659	-0.696	17.778	0.349	17.803	0.281	17.836	0.126	17.863	-0.010
12.680	-0.685	12.713	-0.617	12.740	-0.522	12.765	-0.447	17.898	-0.165	17.924	-0.277	17.945	-0.352	17.968	-0.381
12.789	-0.403	12.814	-0.356	12.835	-0.285	12.861	-0.150	17.994	-0.397	18.020	-0.381	18.046	-0.333	18.066	-0.313
12.889	-0.035	12.915	0.072	12.935	0.139	12.967	0.215	18.091	-0.266	18.113	-0.190	18.134	-0.083	18.160	0.068
12.985	0.278	13.011	0.389	13.034	0.480	13.083	0.595	18.183	0.211	18.212	0.370	18.242	0.462	18.268	0.497
13.102	0.611	13.126	0.551	13.150	0.412	13.174	0.237	18.296	0.489	18.325	0.457	18.357	0.366	18.391	0.191
13.213	-0.045	13.237	-0.189	13.254	-0.252	13.275	-0.296	18.423	0.056	18.455	-0.111	18.472	-0.167	18.495	-0.290
13.302	-0.331	13.326	-0.316	13.345	-0.288	13.380	-0.224	18.517	-0.374	18.536	-0.442	18.561	-0.474	18.581	-0.470
13.412	-0.204	13.447	-0.173	13.476	-0.161	13.495	-0.145	18.608	-0.423	18.629	-0.348	18.652	-0.257	18.677	-0.159
13.516	-0.081	13.549	-0.006	13.574	0.041	13.601	0.093	18.701	-0.080	18.724	0.023	18.751	0.146	18.772	0.288
13.622	0.128	13.636	0.084	13.668	0.003	13.692	-0.023	18.791	0.395	18.808	0.459	18.822	0.498	18.842	0.521
13.716	-0.047	13.747	-0.091	13.774	-0.143	13.809	-0.219	18.866	0.505	18.885	0.449	18.911	0.362	18.937	0.306
13.847	-0.291	13.874	-0.331	13.892	-0.344	13.924	-0.300	18.967	0.253	18.991	0.194	19.019	0.062	19.042	-0.017
13.952	-0.253	13.972	-0.210	13.993	-0.131	14.016	-0.040	19.066	-0.144	19.090	-0.216	19.123	-0.276	19.151	-0.312
14.036	0.023	14.051	0.051	14.071	0.051	14.092	0.090	19.177	-0.296	19.200	-0.273	19.226	-0.241	19.247	-0.193



19.275	-0.114	19.307	-0.015	19.335	0.080	19.355	0.163	23.622	0.053	23.648	0.052	23.686	0.084	23.704	0.107
19.383	0.235	19.400	0.310	19.422	0.362	19.437	0.385	23.731	0.119	23.749	0.123	23.778	0.110	23.793	0.110
19.463	0.377	19.491	0.393	19.518	0.389	19.536	0.389	23.816	0.130	23.846	0.161	23.866	0.181	23.885	0.181
19.559	0.369	19.574	0.330	19.597	0.270	19.615	0.218	23.907	0.177	23.930	0.169	23.951	0.145	23.976	0.129
19.639	0.159	19.665	0.091	19.694	0.012	19.716	-0.056	24.000	0.105	24.023	0.074	24.045	0.046	24.071	0.010
19.733	-0.123	19.751	-0.199	19.775	-0.255	19.793	-0.283	24.091	-0.026	24.118	-0.054	24.141	-0.069	24.161	-0.078
19.819	-0.315	19.838	-0.347	19.863	-0.387	19.890	-0.403	24.185	-0.078	24.206	-0.078	24.228	-0.078	24.244	-0.078
19.917	-0.407	19.944	-0.372	19.961	-0.320	19.989	-0.253	24.266	-0.082	24.286	-0.102	24.312	-0.142	24.335	-0.150
20.035	-0.123	20.066	-0.009	20.097	0.098	20.128	0.192	24.361	-0.138	24.384	-0.155	24.413	-0.147	24.442	-0.155
20.151	0.247	20.174	0.267	20.202	0.258	20.230	0.214	24.466	-0.167	24.492	-0.155	24.519	-0.144	24.544	-0.100
20.254	0.158	20.284	0.090	20.310	0.046	20.329	-0.022	24.567	-0.057	24.589	-0.018	24.609	0.038	24.627	0.085
20.364	-0.086	20.385	-0.138	20.408	-0.198	20.435	-0.234	24.645	0.124	24.665	0.167	24.691	0.179	24.712	0.190
20.453	-0.242	20.476	-0.231	20.504	-0.207	20.524	-0.192	24.738	0.186	24.759	0.177	24.787	0.161	24.809	0.144
20.541	-0.176	20.563	-0.180	20.583	-0.200	20.603	-0.200	24.834	0.104	24.862	0.067	24.882	0.035	24.898	0.003
20.625	-0.180	20.648	-0.156	20.669	-0.145	20.692	-0.113	24.915	-0.037	24.926	-0.069	24.942	-0.094	24.959	-0.138
20.716	-0.117	20.738	-0.109	20.759	-0.077	20.782	-0.049	24.978	-0.170	24.995	-0.202	25.018	-0.227	25.045	-0.251
20.806	-0.005	20.828	0.019	20.843	0.027	20.853	0.043	25.065	-0.252	25.089	-0.265	25.119	-0.285	25.151	-0.262
20.860	0.039	20.868	0.035	20.886	0.032	20.899	0.028	25.173	-0.226	25.197	-0.197	25.222	-0.160	25.247	-0.132
20.913	0.024	20.926	0.012	20.940	0.000	20.959	-0.019	25.274	-0.089	25.298	-0.038	25.326	0.002	25.342	0.013
20.975	-0.047	20.991	-0.102	21.001	-0.134	21.016	-0.165	25.359	0.021	25.381	0.021	25.400	0.021	25.421	0.020
21.030	-0.201	21.046	-0.209	21.064	-0.236	21.080	-0.240	25.443	0.004	25.464	-0.016	25.484	-0.028	25.504	-0.050
21.095	-0.256	21.112	-0.256	21.126	-0.269	21.138	-0.277	25.520	-0.091	25.536	-0.119	25.558	-0.155	25.576	-0.171
21.152	-0.285	21.167	-0.293	21.185	-0.305	21.195	-0.321	25.594	-0.179	25.609	-0.187	25.627	-0.192	25.649	-0.219
21.208	-0.329	21.220	-0.341	21.231	-0.342	21.245	-0.350	25.675	-0.228	25.689	-0.228	25.701	-0.228	25.722	-0.208
21.262	-0.330	21.282	-0.303	21.299	-0.251	21.318	-0.204	25.732	-0.208	25.756	-0.184	25.790	-0.145	25.807	-0.137
21.334	-0.168	21.349	-0.137	21.364	-0.109	21.381	-0.078	25.839	-0.117	25.868	-0.117	25.887	-0.109	25.915	-0.097
21.398	-0.055	21.412	-0.031	21.434	0.012	21.455	0.055	25.943	-0.082	25.965	-0.066	25.987	-0.050	26.005	-0.050
21.469	0.098	21.482	0.126	21.496	0.153	21.511	0.177	26.025	-0.066	26.033	-0.066	26.050	-0.078	26.068	-0.090
21.524	0.184	21.543	0.168	21.566	0.132	21.582	0.091	26.088	-0.106	26.105	-0.110	26.123	-0.110	26.141	-0.111
21.598	0.043	21.615	0.011	21.635	-0.037	21.651	-0.069	26.158	-0.111	26.172	-0.111	26.186	-0.123	26.204	-0.135
21.671	-0.117	21.684	-0.161	21.698	-0.209	21.715	-0.260	26.221	-0.147	26.241	-0.151	26.260	-0.152	26.277	-0.152
21.727	-0.308	21.740	-0.340	21.753	-0.368	21.764	-0.392	26.294	-0.152	26.312	-0.144	26.336	-0.117	26.352	-0.101
21.781	-0.408	21.798	-0.421	21.809	-0.421	21.822	-0.421	26.378	-0.152	26.400	-0.058	26.422	-0.042	26.444	-0.027
21.834	-0.425	21.851	-0.409	21.869	-0.378	21.884	-0.339	26.464	-0.003	26.487	0.017	26.502	0.044	26.524	0.076
21.905	-0.275	21.920	-0.232	21.937	-0.157	21.952	-0.101	26.549	0.103	26.563	0.111	26.581	0.111	26.596	0.111
21.969	-0.050	21.983	0.006	21.998	0.069	22.013	0.128	26.609	0.110	26.630	0.114	26.648	0.118	26.672	0.142
22.029	0.188	22.044	0.227	22.063	0.263	22.081	0.310	26.695	0.149	26.726	0.165	26.745	0.169	26.760	0.169
22.101	0.342	22.119	0.365	22.131	0.361	22.148	0.365	26.780	0.169	26.794	0.168	26.814	0.176	26.830	0.176
22.167	0.368	22.180	0.368	22.203	0.324	22.222	0.272	26.854	0.168	26.867	0.160	26.885	0.136	26.899	0.112
22.242	0.204	22.258	0.153	22.278	0.089	22.293	0.025	26.916	0.096	26.931	0.064	26.945	0.044	26.962	0.016
22.307	-0.027	22.319	-0.067	22.334	-0.107	22.352	-0.167	26.974	-0.020	26.993	-0.048	27.005	-0.083	27.021	-0.111
22.366	-0.210	22.379	-0.262	22.394	-0.314	22.414	-0.362	27.037	-0.135	27.058	-0.155	27.079	-0.163	27.096	-0.183
22.429	-0.409	22.440	-0.429	22.455	-0.434	22.473	-0.426	27.123	-0.188	27.138	-0.188	27.160	-0.184	27.186	-0.164
22.494	-0.394	22.519	-0.355	22.538	-0.295	22.559	-0.232	27.211	-0.132	27.233	-0.109	27.255	-0.085	27.273	-0.061
22.575	-0.172	22.591	-0.101	22.607	-0.054	22.622	0.010	27.295	-0.025	27.309	0.002	27.326	0.058	27.350	0.109
22.641	0.085	22.657	0.149	22.674	0.204	22.693	0.248	27.373	0.157	27.394	0.193	27.421	0.228	27.444	0.248
22.717	0.291	22.732	0.303	22.753	0.287	22.773	0.263	27.462	0.264	27.476	0.264	27.496	0.264	27.518	0.256
22.785	0.247	22.806	0.220	22.821	0.176	22.840	0.144	27.550	0.232	27.571	0.209	27.590	0.177	27.607	0.153
22.858	0.100	22.876	0.056	22.896	0.013	22.920	-0.027	27.624	0.121	27.652	0.098	27.670	0.025	27.693	-0.019
22.932	-0.031	22.959	-0.043	22.971	-0.044	22.994	-0.048	27.713	0.058	27.732	-0.038	27.753	-0.114	27.773	-0.138
23.020	-0.060	23.059	-0.016	23.084	0.027	23.110	0.086	27.795	-0.154	27.814	-0.174	27.829	-0.178	27.846	-0.187
23.140	0.137	23.164	0.193	23.185	0.240	23.212	0.275	27.868	-0.071	27.888	-0.155	27.911	-0.124	27.929	-0.100
23.237	0.315	23.261	0.346	23.288	0.354	23.315	0.361	27.951	-0.065	27.969	-0.025	27.987	0.030	27.999	0.065
23.342	0.361	23.370	0.344	23.391	0.328	23.424	0.291	28.024	0.128	28.038	0.156	28.053	0.192	28.069	0.211
23.442	0.227	23.463	0.227	23.483	0.179	23.503	0.135	28.084	0.235	28.108	0.254	28.125	0.270	28.141	0.281
23.529	0.102	23.546	0.102	23.571	0.089	23.595	0.073	28.154	0.289	28.167	0.293	28.179	0.285	28.194	0.269



28.207	0.261	28.222	0.233	28.238	0.209	28.255	0.188	32.571	0.058	32.584	0.070	32.593	0.078	32.604	0.081
28.270	0.160	28.287	0.132	28.300	0.112	28.314	0.088	32.614	0.085	32.626	0.093	32.639	0.097	32.649	0.097
28.331	0.068	28.347	0.040	28.359	0.020	28.376	-0.000	32.660	0.105	32.674	0.097	32.686	0.089	32.697	0.085
28.390	-0.036	28.413	-0.064	28.435	-0.084	28.453	-0.100	32.707	0.078	32.718	0.081	32.728	0.089	32.736	0.093
28.482	-0.108	28.500	-0.112	28.524	-0.120	28.544	-0.128	32.744	0.097	32.752	0.105	32.761	0.109	32.772	0.113
28.559	-0.128	28.575	-0.129	28.594	-0.113	28.620	-0.077	32.784	0.117	32.797	0.117	32.809	0.117	32.817	0.125
28.641	-0.038	28.662	0.002	28.690	0.026	28.703	0.049	32.828	0.129	32.840	0.129	32.851	0.137	32.863	0.137
28.723	0.073	28.739	0.081	28.757	0.089	28.778	0.101	32.876	0.133	32.887	0.129	32.897	0.137	32.910	0.141
28.799	0.116	28.827	0.144	28.847	0.176	28.872	0.184	32.921	0.140	32.934	0.136	32.945	0.132	32.958	0.128
28.896	0.183	28.914	0.175	28.941	0.163	28.966	0.146	32.970	0.120	32.981	0.112	32.991	0.108	33.006	0.100
28.986	0.122	29.003	0.098	29.025	0.092	29.051	0.053	33.020	0.092	33.034	0.084	33.045	0.072	33.056	0.068
29.073	0.021	29.092	-0.015	29.111	-0.039	29.133	-0.071	33.069	0.064	33.080	0.052	33.093	0.040	33.102	0.028
29.151	-0.091	29.181	-0.119	29.202	-0.123	29.219	-0.123	33.116	0.012	33.129	-0.004	33.140	-0.020	33.149	-0.040
29.242	-0.124	29.274	-0.108	29.296	-0.105	29.316	-0.101	33.162	-0.056	33.174	-0.076	33.189	-0.096	33.201	-0.104
29.338	-0.077	29.358	-0.061	29.380	-0.038	29.399	0.006	33.212	-0.104	33.230	-0.096	33.244	-0.088	33.258	-0.088
29.420	0.026	29.445	0.050	29.459	0.058	29.479	0.058	33.274	-0.089	33.289	-0.085	33.303	-0.081	33.317	-0.077
29.494	0.058	29.508	0.058	29.531	0.034	29.554	0.002	33.330	-0.073	33.345	-0.070	33.360	-0.062	33.372	-0.046
29.573	-0.022	29.590	-0.030	29.615	-0.046	29.633	-0.081	33.386	-0.038	33.395	-0.011	33.408	-0.013	33.422	0.029
29.653	-0.113	29.669	-0.145	29.684	-0.165	29.699	-0.204	33.430	0.056	33.442	0.064	33.458	0.076	33.469	0.084
29.723	-0.244	29.750	-0.276	29.769	-0.288	29.785	-0.296	33.486	0.096	33.496	0.103	33.512	0.115	33.525	0.123
29.806	-0.308	29.831	-0.292	29.861	-0.252	29.884	-0.232	33.539	0.127	33.551	0.131	33.566	0.135	33.580	0.130
29.908	-0.196	29.931	-0.161	29.952	-0.133	29.979	-0.109	33.596	0.122	33.610	0.114	33.625	0.102	33.638	0.082
30.000	-0.077	30.024	-0.030	30.047	-0.002	30.069	0.010	33.648	0.066	33.663	0.046	33.676	0.034	33.690	0.014
30.091	-0.018	30.111	0.018	30.129	0.076	30.144	0.022	33.703	-0.002	33.715	-0.021	33.730	-0.041	33.741	-0.053
30.167	-0.050	30.188	-0.070	30.208	-0.105	30.228	-0.133	33.756	-0.073	33.768	-0.093	33.783	-0.109	33.792	-0.117
30.250	-0.161	30.271	-0.201	30.293	-0.233	30.311	-0.264	33.804	-0.129	33.822	-0.126	33.838	-0.118	33.854	-0.118
30.330	-0.280	30.346	-0.284	30.362	-0.288	30.381	-0.281	33.869	-0.118	33.885	-0.122	33.894	-0.126	33.907	-0.134
30.405	-0.241	30.433	-0.205	30.463	-0.158	30.491	-0.134	33.925	-0.142	33.940	-0.142	33.955	-0.126	33.970	-0.107
30.512	-0.099	30.532	-0.079	30.556	-0.051	30.581	-0.027	33.984	-0.083	33.999	-0.063	34.011	-0.035	34.027	-0.047
30.601	-0.008	30.624	0.016	30.647	0.032	30.670	0.032	34.042	-0.039	34.056	-0.032	34.072	-0.028	34.086	-0.020
30.694	0.043	30.712	0.047	30.727	0.047	30.744	0.047	34.097	-0.016	34.114	-0.008	34.126	-0.000	34.143	0.008
30.763	0.035	30.782	0.015	30.804	-0.005	30.821	-0.021	34.158	0.012	34.168	0.008	34.182	0.003	34.197	-0.009
30.842	-0.037	30.864	-0.049	30.885	-0.057	30.902	-0.073	34.212	0.013	34.223	-0.025	34.243	-0.037	34.263	-0.053
30.920	-0.085	30.941	-0.089	30.969	-0.093	31.000	-0.081	34.279	-0.065	34.297	-0.081	34.317	-0.093	34.335	-0.108
31.014	-0.073	31.036	-0.061	31.059	-0.049	31.082	-0.018	34.356	-0.132	34.376	-0.152	34.399	-0.168	34.417	-0.180
31.104	0.002	31.139	0.034	31.158	0.050	31.183	0.070	34.438	-0.192	34.451	-0.200	34.462	-0.193	34.480	-0.181
31.208	0.074	31.228	0.074	31.249	0.074	31.274	0.074	34.501	-0.169	34.521	-0.141	34.538	-0.121	34.556	-0.098
31.299	0.062	31.331	0.058	31.350	0.058	31.369	0.058	34.572	-0.074	34.594	-0.054	34.618	-0.035	34.635	-0.019
31.393	0.058	31.416	0.054	31.441	0.054	31.468	0.046	34.647	-0.007	34.660	0.005	34.670	0.029	34.681	0.045
31.490	0.046	31.510	0.046	31.531	0.046	31.553	0.046	34.698	0.068	34.709	0.088	34.719	0.100	34.736	0.100
31.573	0.039	31.591	0.039	31.612	0.031	31.636	0.023	34.757	0.100	34.775	0.100	34.783	0.104	34.798	0.111
31.656	0.023	31.680	0.023	31.707	0.020	31.735	0.016	34.814	0.107	34.830	0.095	34.854	0.079	34.871	0.055
31.732	0.000	31.778	-0.011	31.794	-0.023	31.809	-0.023	34.894	0.035	34.915	0.011	34.938	-0.013	34.972	-0.048
31.821	-0.027	31.829	-0.030	31.836	-0.030	31.844	-0.030	35.000	-0.092	35.031	-0.120	35.050	-0.148	35.072	-0.164
31.865	-0.026	31.902	-0.019	31.930	-0.007	31.946	0.000	35.096	-0.180	35.109	-0.188	35.127	-0.184	35.145	-0.181
31.960	0.004	31.973	0.004	31.990	0.007	32.010	0.007	35.167	-0.169	35.191	-0.145	35.217	-0.106	35.239	-0.074
32.024	0.015	32.042	0.018	32.056	0.038	32.074	0.049	35.259	-0.058	35.280	-0.035	35.306	-0.003	35.322	0.025
32.088	0.061	32.100	0.077	32.118	0.084	32.135	0.096	35.340	0.037	35.359	0.044	35.393	0.032	35.419	0.032
32.155	0.104	32.164	0.107	32.182	0.111	32.202	0.107	35.435	0.036	35.457	0.044	35.473	0.052	35.494	0.052
32.216	0.099	32.232	0.094	32.246	0.090	32.258	0.090	35.514	0.051	35.528	0.039	35.549	0.023	35.566	-0.001
32.273	0.082	32.290	0.078	32.303	0.066	32.314	0.050	35.588	-0.017	35.610	-0.033	35.633	-0.049	35.652	-0.049
32.327	0.042	32.344	0.034	32.356	0.026	32.367	0.014	35.671	-0.061	35.690	-0.065	35.711	-0.077	35.732	-0.085
32.379	0.006	32.391	-0.002	32.403	0.002	32.416	0.010	35.752	-0.097	35.770	-0.105	35.794	-0.105	35.810	-0.089
32.428	0.024	32.441	0.034	32.454	0.046	32.467	0.050	35.829	-0.073	35.849	-0.057	35.875	-0.033	35.897	-0.014
32.479	0.054	32.493	0.058	32.505	0.050	32.518	0.042	35.921	0.006	35.941	0.022	35.963	0.038	35.984	0.046
32.533	0.038	32.543	0.030	32.552	0.038	32.560	0.050	36.003	0.046	36.027	0.050	36.048	0.050	36.069	0.050



36.091	0.034	36.112	0.022	36.138	0.002	36.159	-0.014	41.154	-0.045	41.180	-0.009	41.205	0.026	41.230	0.062
36.178	-0.026	36.197	-0.034	36.220	-0.038	36.238	-0.050	41.251	0.077	41.277	0.085	41.298	0.093	41.316	0.092
36.256	-0.057	36.277	-0.069	36.298	-0.073	36.327	-0.061	41.332	0.088	41.363	0.080	41.388	0.052	41.425	0.004
36.350	-0.046	36.379	-0.022	36.402	-0.002	36.421	0.014	41.454	-0.029	41.483	-0.061	41.515	-0.078	41.540	-0.079
36.444	0.022	36.476	0.026	36.499	0.030	36.525	0.046	41.565	-0.079	41.592	-0.068	41.616	-0.045	41.651	-0.014
36.545	0.050	36.569	0.062	36.586	0.078	36.600	0.085	41.680	0.013	41.703	0.036	41.726	0.052	41.761	0.083
36.616	0.089	36.635	0.081	36.654	0.062	36.668	0.046	41.789	0.102	41.811	0.113	41.834	0.120	41.863	0.128
36.688	-0.034	36.704	0.026	36.725	0.022	36.746	0.010	41.892	0.127	41.917	0.126	41.940	0.125	42.017	0.113
36.764	-0.006	36.781	-0.018	36.806	-0.026	36.833	-0.030	42.047	0.101	42.090	0.096	42.126	0.092	42.170	0.067
36.859	-0.038	36.886	-0.050	36.909	-0.054	36.933	-0.050	42.229	0.070	42.261	0.058	42.293	0.046	42.334	0.057
36.967	-0.026	36.996	-0.026	37.020	-0.014	37.041	-0.022	42.363	0.068	42.407	0.059	42.438	0.063	42.480	0.070
37.074	-0.026	37.094	-0.018	37.117	-0.002	37.139	0.002	42.520	0.069	42.547	0.073	42.576	0.064	42.615	0.043
37.157	0.014	37.176	0.010	37.205	0.006	37.227	-0.002	42.680	0.007	42.691	0.003	42.716	-0.006	42.741	-0.018
37.256	-0.010	37.278	-0.026	37.305	-0.038	37.332	-0.054	42.758	-0.034	42.857	-0.036	42.877	-0.028	42.898	-0.028
37.358	-0.062	37.391	-0.078	37.415	-0.090	37.441	-0.098	42.839	-0.040	42.935	-0.007	42.952	0.001	42.969	0.009
37.461	-0.098	37.483	-0.091	37.505	-0.087	37.532	-0.067	42.917	-0.019	42.935	-0.007	42.952	0.001	42.969	0.009
37.554	-0.047	37.574	-0.031	37.599	-0.004	37.623	0.016	42.986	0.020	43.021	0.048	43.045	0.068	43.067	0.084
37.643	0.044	37.664	0.067	37.689	0.083	37.712	0.111	43.089	0.092	43.106	0.108	43.126	0.120	43.142	0.124
37.732	0.127	37.749	0.142	37.771	0.150	37.791	0.150	43.154	0.132	43.217	0.132	43.231	0.124	43.245	0.116
37.814	0.154	37.829	0.158	37.851	0.158	37.875	0.154	43.204	0.132	43.217	0.132	43.231	0.124	43.245	0.116
37.893	0.146	37.914	0.130	37.934	0.114	37.953	0.094	43.265	0.097	43.287	0.077	43.312	0.061	43.337	0.037
37.978	0.074	38.006	0.051	38.026	0.035	38.046	0.019	43.348	0.021	43.361	-0.006	43.376	-0.022	43.390	-0.038
38.070	0.033	38.094	-0.021	38.108	-0.033	38.131	-0.037	43.408	-0.066	43.424	-0.090	43.440	-0.105	43.454	-0.113
38.147	-0.037	38.169	-0.025	38.198	-0.021	38.231	-0.005	43.468	-0.125	43.482	-0.121	43.498	-0.125	43.514	-0.125
38.266	0.015	38.292	0.018	38.310	0.030	38.330	0.030	43.529	-0.113	43.541	-0.105	43.559	-0.117	43.568	-0.113
38.350	0.026	38.375	0.018	38.389	0.022	38.413	0.034	43.580	-0.125	43.591	-0.105	43.603	-0.097	43.620	-0.085
38.436	0.053	38.455	0.069	38.476	0.089	38.494	0.097	43.635	-0.074	43.649	-0.062	43.659	-0.054	43.673	-0.042
38.518	0.096	38.541	0.096	38.564	0.095	38.590	0.095	43.685	-0.034	43.695	-0.026	43.707	-0.010	43.721	0.002
38.613	0.086	38.637	0.082	38.664	0.077	38.684	0.069	43.735	0.014	43.754	0.025	43.773	0.037	43.798	0.041
38.705	0.068	38.730	0.072	38.752	0.063	38.770	0.055	43.812	0.041	43.827	0.041	43.837	0.037	43.850	0.029
38.790	0.051	38.809	0.050	38.825	0.038	38.840	0.030	43.867	0.009	43.883	-0.003	43.900	-0.018	43.917	-0.034
38.856	0.021	38.877	0.009	38.896	-0.011	38.915	-0.023	43.933	0.046	43.972	-0.062	43.992	-0.082	43.993	-0.110
38.939	-0.039	38.959	-0.052	38.977	-0.060	38.997	-0.080	44.017	-0.134	44.036	-0.162	44.055	-0.182	44.074	-0.205
39.015	-0.092	39.038	-0.138	39.056	-0.120	39.074	-0.128	44.091	-0.217	44.111	-0.225	44.126	-0.221	44.149	-0.214
39.095	-0.137	39.115	-0.137	39.137	-0.129	39.159	-0.121	44.176	-0.202	44.197	-0.186	44.217	-0.170	44.235	-0.154
39.185	-0.109	39.211	-0.094	39.236	-0.074	39.267	-0.034	44.256	-0.142	44.276	-0.115	44.302	-0.083	44.325	-0.052
39.287	-0.014	39.312	0.021	39.339	0.057	39.364	0.081	44.344	-0.028	44.364	-0.000	44.385	0.023	44.405	0.043
39.386	0.096	39.409	0.112	39.431	0.116	39.456	0.104	44.421	0.059	44.439	0.066	44.456	0.062	44.479	0.050
39.481	0.096	39.510	0.068	39.534	0.044	39.556	0.012	44.504	0.038	44.521	0.026	44.538	0.018	44.560	0.010
39.587	-0.028	39.609	-0.067	39.636	-0.107	39.670	-0.159	44.577	-0.003	44.595	-0.015	44.612	-0.027	44.630	-0.055
39.692	-0.203	39.717	-0.223	39.741	-0.243	39.763	-0.251	44.649	-0.067	44.669	-0.080	44.686	-0.096	44.709	-0.100
39.794	-0.255	39.817	-0.239	39.840	-0.204	39.865	-0.168	44.728	-0.101	44.748	-0.097	44.770	-0.094	44.790	-0.094
39.890	-0.117	39.916	-0.057	39.943	0.010	39.969	0.058	44.806	-0.086	44.820	-0.075	44.838	-0.067	44.854	-0.052
39.992	0.105	40.013	0.133	40.032	0.161	40.051	0.181	44.871	-0.044	44.887	-0.032	44.906	-0.017	44.923	-0.013
40.069	0.189	40.092	0.177	40.115	0.161	40.143	0.137	44.936	-0.002	44.950	0.014	44.965	0.026	44.979	0.033
40.168	0.121	40.197	0.070	40.228	0.010	40.259	-0.057	44.995	0.037	45.013	0.040	45.026	0.052	45.043	0.056
40.285	-0.105	40.310	-0.133	40.341	-0.169	40.360	-0.192	45.058	0.059	45.073	0.063	45.089	0.063	45.104	0.063
40.382	-0.212	40.397	-0.228	40.418	-0.216	40.438	-0.204	45.122	0.062	45.135	0.054	45.152	0.042	45.168	0.038
40.459	-0.185	40.480	-0.153	40.505	-0.117	40.524	-0.081	45.185	0.037	45.201	0.029	45.217	0.017	45.234	0.004
40.547	-0.038	40.568	0.006	40.584	0.042	40.602	0.070	45.250	0.000	45.268	-0.008	45.283	-0.016	45.296	-0.016
40.620	0.097	40.639	0.117	40.653	0.125	40.667	0.133	45.315	-0.012	45.333	0.004	45.350	0.015	45.370	0.019
40.684	0.121	40.703	0.101	40.719	0.081	40.741	0.045	45.387	0.023	45.404	0.035	45.423	0.051	45.440	0.062
40.761	0.013	40.782	-0.022	40.802	-0.054	40.829	-0.098	45.457	0.074	45.475	0.090	45.496	0.106	45.511	0.117
40.854	-0.142	40.876	-0.194	40.896	-0.239	40.916	-0.257	45.525	0.121	45.542	0.125	45.560	0.125	45.605	0.121
40.938	-0.285	40.958	-0.301	40.978	-0.301	41.004	-0.286	45.655	0.117	45.677	0.112	45.699	0.108	45.716	0.104
41.035	-0.254	41.068	-0.237	41.102	-0.151	41.133	-0.084	45.737	0.096	45.756	0.088	45.778	0.072	45.796	0.064



45.827	0.060	45.853	0.056	45.876	0.047	45.893	0.051	51.132	0.021	51.185	0.021	51.225	0.016	51.252	0.020
45.912	0.055	45.932	0.062	45.954	0.070	45.973	0.086	51.279	0.028	51.301	0.040	51.330	0.027	51.357	0.019
45.988	0.093	46.007	0.097	46.026	0.105	46.046	0.108	51.384	0.011	51.412	-0.005	51.431	-0.025	51.462	-0.049
46.062	0.116	46.078	0.120	46.094	0.120	46.112	0.118	51.488	-0.065	51.510	-0.070	51.536	-0.070	51.564	-0.066
46.131	0.107	46.150	0.107	46.169	0.107	46.184	0.099	51.592	-0.058	51.623	-0.047	51.654	-0.031	51.688	-0.004
46.198	0.094	46.218	0.090	46.233	0.078	46.251	0.058	51.722	0.024	51.750	0.043	51.781	0.035	51.812	0.051
46.269	0.038	46.288	0.026	46.304	0.018	46.324	0.017	51.847	0.055	51.878	0.053	51.908	0.035	51.939	0.019
46.339	0.013	46.350	0.009	46.367	0.001	46.387	-0.007	51.969	0.003	51.995	-0.021	52.024	-0.041	52.046	-0.053
46.407	-0.019	46.428	-0.027	46.448	-0.040	46.472	-0.040	52.083	-0.061	52.109	-0.069	52.140	-0.077	52.163	-0.077
46.496	-0.040	46.515	-0.044	46.531	-0.048	46.551	-0.049	52.193	-0.085	52.231	-0.093	52.267	-0.097	52.297	-0.085
46.573	-0.045	46.593	-0.041	46.622	-0.033	46.640	-0.029	52.343	-0.069	52.380	-0.057	52.420	-0.054	52.457	-0.046
46.662	-0.026	46.683	-0.030	46.705	-0.034	46.734	-0.034	52.504	-0.038	52.548	-0.026	52.580	-0.018	52.612	-0.014
46.753	-0.038	46.779	-0.046	46.799	-0.050	46.830	-0.059	52.647	-0.002	52.686	0.002	52.719	0.009	52.752	0.001
46.852	-0.067	46.879	-0.075	46.901	-0.083	46.924	-0.099	52.796	-0.011	52.838	-0.019	52.880	-0.031	52.931	-0.040
46.948	-0.107	46.970	-0.116	46.996	-0.124	47.015	-0.136	52.982	-0.032	53.022	-0.033	53.081	-0.033	53.108	-0.025
47.035	-0.140	47.058	-0.149	47.079	-0.153	47.105	-0.153	53.180	-0.002	53.191	0.002	53.216	0.002	53.243	0.002
47.131	-0.142	47.150	-0.134	47.178	-0.135	47.205	-0.135	53.268	0.001	53.297	-0.003	53.321	-0.003	53.342	-0.007
47.225	-0.127	47.244	-0.120	47.270	-0.108	47.300	-0.101	53.361	0.016	53.382	-0.020	53.396	-0.016	53.414	-0.025
47.326	-0.077	47.351	-0.066	47.379	-0.042	47.414	-0.019	53.431	-0.033	53.448	-0.033	53.463	-0.037	53.475	-0.038
47.446	-0.008	47.473	-0.000	47.503	0.015	47.537	0.034	53.488	-0.034	53.501	-0.034	53.515	-0.034	53.531	-0.031
47.549	0.034	47.578	0.029	47.605	0.021	47.639	0.004	53.545	-0.023	53.562	-0.023	53.575	-0.019	53.592	-0.020
47.667	-0.000	47.690	-0.001	47.710	-0.005	47.736	-0.013	53.606	-0.020	53.617	-0.020	53.638	-0.021	53.652	-0.013
47.772	-0.021	47.797	-0.030	47.818	-0.026	47.846	-0.034	53.668	-0.005	53.682	0.002	53.699	0.006	53.714	0.014
47.869	-0.027	47.898	-0.015	47.918	0.001	47.946	0.000	53.729	0.021	53.749	0.029	53.766	0.041	53.785	0.040
48.073	0.047	48.099	0.020	48.027	0.035	48.043	0.047	53.805	0.052	53.825	0.055	53.847	0.059	53.864	0.063
48.178	0.030	48.206	0.030	48.229	0.026	48.250	0.026	53.882	0.066	53.896	0.070	53.908	0.070	53.919	0.070
48.275	0.022	48.298	0.018	48.322	0.026	48.350	0.026	53.934	0.069	53.950	0.069	53.967	0.069	53.985	0.060
48.375	0.041	48.399	0.049	48.422	0.053	48.443	0.057	54.002	0.052	54.017	0.048	54.034	0.048	54.049	0.039
48.461	0.061	48.483	0.080	48.507	0.096	48.526	0.100	54.071	0.035	54.096	0.027	54.112	0.027	54.131	0.002
48.550	0.111	48.569	0.119	48.593	0.115	48.616	0.103	54.152	-0.006	54.170	-0.018	54.191	-0.027	54.203	-0.031
48.635	0.095	48.658	0.086	48.679	0.074	48.702	0.062	54.218	-0.027	54.243	-0.024	54.267	-0.028	54.279	-0.020
48.722	0.054	48.743	0.034	48.762	0.014	48.782	-0.002	54.300	-0.013	54.322	-0.013	54.343	-0.002	54.365	0.006
48.799	-0.010	48.822	-0.022	48.843	-0.034	48.869	-0.051	54.389	0.021	54.402	0.029	54.420	0.041	54.435	0.048
48.886	-0.047	48.911	-0.043	48.933	-0.031	48.955	-0.020	54.461	0.056	54.482	0.067	54.503	0.075	54.533	0.082
49.075	-0.008	49.001	-0.001	49.032	0.019	49.051	0.042	54.552	0.090	54.572	0.097	54.592	0.105	54.614	0.108
49.142	0.085	49.156	0.061	49.112	0.073	49.130	0.081	54.635	0.112	54.655	0.115	54.684	0.107	54.709	0.094
49.228	0.039	49.258	0.023	49.175	0.072	49.203	0.056	54.733	0.082	54.756	0.066	54.781	0.053	54.811	0.041
49.343	-0.034	49.366	-0.046	49.286	0.003	49.316	-0.018	54.828	0.033	54.853	0.028	54.876	0.020	54.901	0.015
49.432	-0.067	49.459	-0.052	49.384	-0.063	49.411	-0.067	54.934	0.019	54.963	0.022	54.988	0.021	55.012	0.013
49.546	-0.034	49.576	-0.015	49.490	-0.045	49.516	-0.041	55.038	0.009	55.061	0.000	55.099	-0.001	55.119	0.003
49.661	0.020	49.695	0.019	49.618	0.005	49.635	0.012	55.145	0.010	55.163	0.014	55.190	0.014	55.214	0.013
49.784	0.033	49.803	0.037	49.725	0.030	49.754	0.038	55.246	0.016	55.276	0.016	55.308	0.019	55.334	0.023
49.864	0.008	49.885	0.004	49.825	0.020	49.848	0.012	55.361	0.008	55.378	0.022	55.404	0.018	55.434	0.013
49.951	-0.021	49.969	-0.029	49.910	-0.001	49.934	-0.005	55.457	0.005	55.483	0.000	55.512	-0.008	55.533	-0.016
50.028	-0.070	50.051	-0.070	50.071	-0.046	50.009	-0.062	55.564	-0.021	55.588	-0.025	55.619	-0.034	55.643	-0.042
50.134	-0.072	50.160	-0.068	50.178	-0.060	50.102	-0.063	55.663	-0.038	55.682	-0.031	55.704	-0.023	55.729	-0.016
50.228	-0.037	50.255	-0.026	50.274	-0.018	50.294	-0.005	55.754	-0.012	55.775	-0.013	55.804	-0.005	55.838	-0.002
50.316	0.005	50.341	0.005	50.365	0.004	50.397	0.004	55.856	-0.002	55.882	0.001	55.903	0.001	55.921	0.009
50.430	0.011	50.463	0.015	50.485	0.022	50.509	0.030	55.943	0.008	55.963	0.000	55.991	-0.008	56.012	-0.021
50.541	0.034	50.563	0.053	50.585	0.061	50.612	0.064	56.041	-0.033	56.066	-0.041	56.097	-0.050	56.127	-0.070
50.638	0.068	50.666	0.067	50.691	0.067	50.723	0.058	56.155	-0.075	56.184	-0.083	56.207	-0.087	56.223	-0.084
50.753	0.054	50.782	0.054	50.802	0.057	50.835	0.057	56.245	-0.084	56.270	-0.081	56.297	-0.073	56.320	-0.066
50.873	0.048	50.914	0.048	50.960	0.047	50.999	0.043	56.340	-0.058	56.359	-0.054	56.390	-0.051	56.417	-0.051
51.015	0.035	51.043	0.022	51.073	0.014	51.099	0.018	56.444	-0.048	56.467	-0.040	56.493	-0.041	56.518	-0.033
								56.540	-0.037	56.570	-0.042	56.603	-0.042	56.632	-0.047
								56.662	-0.055	56.688	-0.064	56.712	-0.068	56.732	-0.080



56.764	-0.093	56.787	-0.097	56.821	-0.097	56.846	-0.106	62.966	0.027	62.993	0.019	63.020	0.008	63.050	0.004
56.868	-0.110	56.896	-0.111	56.909	-0.111	56.924	-0.107	63.072	0.000	63.099	0.004	63.134	0.009	63.191	0.025
56.943	-0.099	56.967	-0.100	56.994	-0.096	57.015	-0.097	63.251	0.033	63.303	0.053	63.345	0.062	63.381	0.066
57.039	-0.081	57.068	-0.070	57.095	-0.054	57.115	-0.042	63.407	0.058	63.423	0.054	63.449	0.054	63.504	0.039
57.141	-0.027	57.162	-0.015	57.182	-0.004	57.203	0.004	63.533	0.027	63.569	0.032	63.593	0.032	63.619	0.020
57.217	0.008	57.233	0.012	57.249	0.011	57.270	0.003	63.637	0.020	63.669	0.016	63.689	0.017	63.708	0.017
57.285	0.003	57.304	-0.005	57.321	-0.010	57.336	-0.014	63.730	0.021	63.749	0.021	63.770	0.013	63.784	0.010
57.355	-0.022	57.373	-0.038	57.400	-0.054	57.426	-0.067	63.794	0.014	63.816	0.018	63.837	0.018	63.855	0.018
57.449	-0.083	57.478	-0.079	57.503	-0.095	57.525	-0.103	63.874	0.018	63.893	0.019	63.913	0.015	63.928	0.015
57.553	-0.104	57.572	-0.084	57.605	-0.068	57.628	-0.049	63.945	0.015	63.962	0.019	63.986	0.020	64.003	0.020
57.654	-0.025	57.677	-0.009	57.696	0.006	57.728	0.018	64.026	0.024	64.046	0.021	64.063	0.017	64.081	0.014
57.750	0.030	57.771	0.042	57.795	0.053	57.817	0.065	64.101	0.010	64.117	0.010	64.136	0.007	64.157	0.003
57.839	0.069	57.855	0.077	57.870	0.069	57.886	0.065	64.177	-0.000	64.195	0.000	64.210	-0.007	64.227	-0.011
57.911	0.053	57.947	0.036	57.978	0.013	58.010	-0.011	64.240	-0.011	64.251	-0.014	64.265	-0.010	64.278	-0.006
58.045	-0.028	58.073	-0.036	58.093	-0.044	58.115	-0.048	64.289	-0.006	64.305	-0.005	64.322	-0.001	64.337	-0.001
58.133	-0.036	58.158	-0.028	58.186	-0.012	58.215	-0.001	64.354	0.004	64.371	0.004	64.387	0.009	64.403	0.010
58.245	0.019	58.275	0.039	58.305	0.059	58.332	0.066	64.418	0.015	64.435	0.020	64.453	0.025	64.469	0.026
58.366	0.078	58.393	0.090	58.413	0.098	58.435	0.094	64.483	0.031	64.497	0.035	64.512	0.036	64.530	0.037
58.460	0.090	58.488	0.090	58.508	0.086	58.537	0.066	64.549	0.043	64.570	0.040	64.585	0.041	64.599	0.037
58.567	0.050	58.594	0.038	58.621	0.026	58.645	0.006	64.613	0.042	64.625	0.034	64.640	0.030	64.653	0.026
58.671	0.002	58.702	-0.018	58.730	-0.014	58.751	-0.010	64.667	0.026	64.680	0.019	64.696	0.011	64.711	0.003
58.777	-0.006	58.809	0.006	58.839	0.026	58.864	0.046	64.727	-0.000	64.743	-0.004	64.756	-0.012	64.769	-0.016
58.891	0.058	58.918	0.066	58.948	0.074	58.974	0.081	64.783	-0.020	64.799	-0.028	64.815	-0.027	64.831	-0.027
58.993	0.089	59.016	0.105	59.034	0.117	59.054	0.117	64.846	-0.035	64.861	-0.035	64.876	-0.035	64.890	-0.039
59.070	0.109	59.093	0.097	59.116	0.093	59.140	0.081	64.903	-0.039	64.915	-0.035	64.931	-0.035	64.946	-0.031
59.159	0.070	59.185	0.058	59.215	0.038	59.236	0.030	64.960	-0.027	64.975	-0.022	64.990	-0.022	65.008	-0.022
59.255	0.010	59.285	-0.006	59.304	-0.010	59.329	-0.022	65.020	-0.022	65.037	-0.022	65.052	-0.022	65.065	-0.022
59.347	-0.034	59.370	-0.050	59.389	-0.042	59.407	-0.057	65.081	-0.017	65.097	-0.017	65.118	-0.016	65.134	-0.016
59.430	-0.061	59.453	-0.054	59.481	-0.050	59.516	-0.038	65.153	-0.024	65.173	-0.031	65.190	-0.035	65.212	-0.038
59.550	-0.026	59.577	-0.014	59.622	-0.002	59.658	0.014	65.229	-0.042	65.247	-0.045	65.264	-0.045	65.274	-0.052
59.687	0.025	59.723	0.033	59.747	0.033	59.767	0.029	65.298	-0.056	65.324	-0.059	65.348	-0.062	65.366	-0.057
59.792	0.025	59.816	0.017	59.836	0.013	59.854	0.001	65.390	-0.056	65.411	-0.052	65.431	-0.051	65.456	-0.046
59.883	-0.007	59.910	-0.023	59.935	-0.038	59.959	-0.050	65.476	-0.046	65.496	-0.037	65.515	-0.037	65.531	-0.028
59.982	-0.062	60.010	-0.062	60.027	-0.070	60.053	-0.083	65.548	-0.028	65.561	-0.023	65.578	-0.015	65.602	-0.003
60.083	-0.087	60.095	-0.083	60.120	-0.087	60.144	-0.075	65.624	-0.003	65.641	-0.002	65.663	0.002	65.679	0.006
60.172	-0.067	60.204	-0.060	60.235	-0.040	60.262	-0.028	65.695	0.002	65.713	0.006	65.731	0.010	65.749	0.011
60.292	-0.016	60.312	-0.005	60.337	0.007	60.351	-0.001	65.763	0.007	65.776	0.007	65.792	0.007	65.809	0.003
60.374	0.007	60.400	0.011	60.429	0.007	60.456	-0.001	65.826	-0.008	65.843	-0.008	65.857	-0.008	65.875	-0.015
60.487	-0.006	60.520	-0.014	60.557	-0.034	60.588	-0.050	65.890	-0.015	65.902	-0.019	65.916	-0.023	65.932	-0.026
60.621	-0.066	60.648	-0.066	60.685	-0.066	60.723	-0.063	65.946	-0.026	65.960	-0.030	65.973	-0.030	65.992	-0.029
60.745	-0.059	60.778	-0.043	60.811	-0.020	60.849	-0.004	66.013	-0.025	66.029	-0.024	66.047	-0.024	66.067	-0.019
60.886	0.008	60.924	0.023	60.948	0.035	60.969	0.031	66.087	-0.019	66.106	-0.018	66.127	-0.010	66.145	-0.001
60.994	0.027	61.035	0.003	61.069	-0.009	61.103	-0.033	66.162	-0.001	66.180	-0.005	66.207	0.000	66.223	0.001
61.145	-0.069	61.171	-0.085	61.196	-0.097	61.214	-0.109	66.242	0.001	66.261	-0.002	66.284	-0.002	66.303	-0.005
61.240	-0.117	61.270	-0.125	61.301	-0.129	61.331	-0.117	66.322	-0.005	66.345	-0.008	66.366	-0.012	66.387	-0.023
61.363	-0.113	61.397	-0.093	61.434	-0.077	61.473	-0.057	66.409	-0.027	66.431	-0.031	66.451	-0.034	66.467	-0.038
61.511	-0.038	61.547	-0.022	61.582	-0.018	61.605	-0.014	66.487	-0.038	66.511	-0.041	66.537	-0.037	66.564	-0.032
61.635	-0.025	61.659	-0.029	61.701	-0.041	61.725	-0.049	66.585	-0.028	66.609	-0.028	66.643	-0.020	66.673	-0.011
61.762	-0.053	61.794	-0.069	61.819	-0.073	61.865	-0.077	66.594	-0.007	66.615	-0.007	66.642	-0.007	66.673	-0.003
61.897	-0.073	61.939	-0.053	61.990	-0.032	62.040	-0.004	66.792	-0.002	66.816	-0.002	66.838	-0.002	66.867	0.003
62.070	0.012	62.111	0.028	62.138	0.044	62.173	0.044	66.895	0.003	66.917	0.007	66.947	0.012	66.969	0.013
62.222	0.045	62.263	0.037	62.295	0.033	62.332	0.018	66.993	0.013	67.013	0.013	67.043	0.010	67.070	0.011
62.354	0.018	62.394	0.006	62.426	-0.001	62.470	-0.001	67.100	0.013	67.133	0.013	67.161	0.017	67.192	0.018
62.512	0.011	62.560	0.024	62.602	0.040	62.644	0.052	67.216	0.019	67.240	0.024	67.264	0.032	67.282	0.033
62.673	0.064	62.719	0.073	62.757	0.073	62.803	0.073	67.304	0.019	67.323	0.024	67.341	0.054	67.358	0.063
62.834	0.070	62.861	0.058	62.892	0.046	62.929	0.039	67.374	0.071	67.398	0.080	67.417	0.088	67.436	0.093



67.453	0.093	67.467	0.094	67.485	0.098	67.507	0.099	73.967	0.016	74.004	0.004	74.019	-0.003	74.037	0.005
67.527	0.095	67.553	0.096	67.576	0.098	67.597	0.081	74.073	0.005	74.098	0.005	74.133	0.005	74.155	0.005
67.620	0.078	67.660	0.067	67.667	0.063	67.678	0.056	74.180	0.017	74.248	0.038	74.258	0.038	74.286	0.050
67.695	0.048	67.712	0.041	67.733	0.033	67.755	0.030	74.320	0.066	74.357	0.078	74.399	0.078	74.440	0.078
67.775	0.026	67.799	0.027	67.821	0.027	67.846	0.024	74.491	0.066	74.513	0.058	74.546	0.050	74.575	0.030
67.865	0.024	67.882	0.029	67.904	0.037	67.931	0.042	74.605	0.014	74.642	0.006	74.670	0.010	74.721	0.014
67.951	0.054	67.976	0.058	67.994	0.066	68.018	0.071	74.765	0.022	74.783	0.026	74.811	0.030	74.853	0.038
68.041	0.075	68.059	0.079	68.079	0.079	68.099	0.076	74.890	0.046	74.922	0.054	74.968	0.066	75.031	0.071
68.119	0.068	68.139	0.060	68.158	0.052	68.180	0.049	75.054	0.051	75.092	0.067	75.110	0.067	75.170	0.059
68.198	0.041	68.218	0.034	68.239	0.026	68.256	0.018	75.208	0.059	75.279	0.060	75.325	0.051	75.358	0.043
68.272	0.014	68.294	0.015	68.318	0.019	68.340	0.012	75.396	0.051	75.493	0.051	75.492	0.039	75.513	0.030
68.363	-0.000	68.403	0.001	68.421	0.001	68.444	0.005	75.551	0.043	75.563	0.038	75.622	0.034	75.674	0.030
68.463	0.013	68.483	0.022	68.515	0.019	68.532	0.015	75.705	0.026	75.742	0.022	75.783	0.030	75.841	0.034
68.560	0.016	68.600	0.021	68.627	0.025	68.658	0.026	75.867	0.022	75.896	0.014	75.943	0.014	75.973	0.010
68.689	0.023	68.709	0.015	68.733	0.012	68.758	0.012	76.032	0.014	76.089	0.010	76.123	-0.006	76.170	0.009
68.782	-0.005	68.804	0.001	68.830	-0.006	68.848	-0.018	76.188	0.005	76.236	0.001	76.269	-0.011	76.324	-0.039
68.874	-0.021	68.894	-0.017	68.917	-0.020	68.950	-0.020	76.376	-0.044	76.393	-0.032	76.443	-0.032	76.478	-0.048
68.980	-0.023	69.007	-0.022	69.041	-0.013	69.086	-0.008	76.541	-0.045	76.572	-0.033	76.579	-0.029	76.631	-0.041
69.115	-0.003	69.161	0.006	69.192	0.010	69.226	0.011	76.655	-0.037	76.705	-0.026	76.763	-0.038	76.787	-0.030
69.265	0.012	69.312	0.021	69.343	0.026	69.383	0.023	76.813	-0.033	76.848	-0.037	76.893	-0.038	76.924	-0.061
69.429	0.028	69.450	0.032	69.478	0.025	69.518	0.009	76.961	-0.065	77.019	-0.068	77.064	-0.076	77.107	-0.065
69.568	0.006	69.609	0.002	69.657	-0.001	69.700	-0.012	77.131	-0.049	77.182	-0.033	77.237	-0.025	77.298	-0.006
69.749	-0.004	69.794	-0.007	69.828	0.001	69.896	0.002	77.344	0.001	77.407	-0.001	77.449	-0.001	77.532	0.009
70.103	-0.018	70.150	-0.017	70.187	-0.007	70.244	-0.010	77.561	0.012	77.622	-0.000	77.664	-0.009	77.737	-0.018
70.245	-0.031	70.276	-0.022	70.309	-0.014	70.343	-0.005	77.804	-0.018	77.854	-0.010	77.926	-0.014	77.948	-0.018
70.368	-0.035	70.390	0.003	70.410	0.003	70.432	0.012	78.126	0.010	78.166	0.017	78.183	0.017	78.211	0.025
70.463	0.012	70.492	0.008	70.514	0.013	70.535	0.017	78.273	0.021	78.307	0.021	78.339	0.028	78.399	0.036
70.557	0.009	70.585	0.002	70.616	0.006	70.645	0.010	78.381	0.035	78.410	0.035	78.466	0.038	78.494	0.042
70.753	0.007	70.769	0.003	70.793	0.007	70.815	0.011	78.533	0.049	78.561	0.057	78.606	0.068	78.626	0.068
70.841	0.020	70.862	0.012	70.889	0.008	70.920	0.005	78.659	0.071	78.697	0.078	78.744	0.082	78.780	0.077
70.948	0.002	70.975	0.005	71.001	0.010	71.029	0.010	78.833	0.068	78.878	0.063	78.935	0.062	78.994	0.065
71.051	0.002	71.076	-0.009	71.106	-0.017	71.148	-0.013	79.077	0.067	79.098	0.067	79.124	0.066	79.162	0.058
71.168	-0.004	71.180	-0.000	71.202	-0.003	71.229	-0.004	79.357	0.017	79.403	0.013	79.485	0.021	79.525	0.029
71.259	-0.007	71.281	-0.003	71.302	0.005	71.316	0.001	79.594	0.041	79.664	0.038	79.722	0.022	79.792	0.014
71.334	0.021	71.357	0.021	71.379	0.030	71.399	0.030	79.843	0.006	79.889	-0.018	79.964	-0.022	80.010	-0.026
71.422	0.026	71.449	0.018	71.474	0.030	71.502	0.039	80.061	-0.030	80.127	-0.030	80.172	-0.022	80.213	-0.014
71.522	0.047	71.536	0.039	71.559	0.031	71.577	0.032	80.263	-0.002	80.314	0.010	80.356	0.014	80.400	0.002
71.610	0.032	71.647	0.032	71.678	0.025	71.695	0.021	80.441	-0.006	80.514	-0.014	80.555	-0.018	80.601	-0.022
71.716	0.014	71.744	0.010	71.766	-0.002	71.795	0.003	80.654	-0.022	80.725	-0.022	80.768	-0.026	80.816	-0.010
71.826	0.007	71.857	0.008	71.894	0.008	71.928	0.005	80.845	0.018	80.882	0.014	80.933	0.014	80.992	0.014
71.953	0.009	71.994	0.010	72.030	0.022	72.072	0.019	81.039	0.022	81.073	0.006	81.110	-0.010	81.177	-0.014
72.085	0.011	72.113	0.003	72.145	-0.000	72.180	0.008	81.209	-0.018	81.272	-0.018	81.322	-0.010	81.361	0.002
72.200	0.017	72.224	0.017	72.247	0.013	72.270	0.010	81.422	0.021	81.473	0.029	81.519	0.041	81.556	0.052
72.301	0.014	72.337	0.019	72.364	0.027	72.392	0.035	81.598	0.036	81.642	0.024	81.685	0.012	81.732	0.003
72.419	0.036	72.435	0.028	72.457	0.016	72.486	0.005	81.785	-0.001	81.839	0.007	81.908	0.030	81.962	0.038
72.521	0.005	72.563	-0.002	72.592	-0.009	72.621	-0.021	82.010	0.050	82.061	0.054	82.103	0.046	82.163	0.038
72.649	-0.032	72.665	-0.040	72.693	-0.039	72.739	-0.038	82.217	0.023	82.261	0.018	82.318	0.018	82.386	0.017
72.794	-0.037	72.847	-0.036	72.907	-0.031	72.985	-0.034	82.445	0.024	82.485	0.024	82.552	0.019	82.611	0.021
73.064	-0.024	73.121	-0.015	73.217	-0.014	73.281	-0.016	82.675	0.026	82.743	0.024	82.792	0.022	82.834	0.028
73.376	-0.027	73.416	-0.034	73.437	-0.042	73.476	-0.038	82.880	0.019	82.947	0.013	83.033	-0.009	83.103	-0.022
73.514	-0.033	73.567	-0.033	73.600	-0.032	73.617	-0.024	83.156	-0.030	83.204	-0.019	83.250	-0.011	83.319	-0.008
73.653	-0.016	73.673	-0.003	73.702	0.005	73.722	0.009	83.395	0.004	83.466	0.019	83.527	0.031	83.613	0.027
73.750	0.021	73.781	0.026	73.799	0.042	73.820	0.034	83.666	0.031	83.728	0.020	83.807	0.027	83.860	0.027
73.841	0.019	73.863	0.023	73.907	0.019	73.942	0.024	83.934	0.018	84.011	0.006	84.131	0.000	84.246	-0.005



84.323	0.007	84.413	0.030	84.478	0.034	84.561	0.037
84.600	0.025	84.681	0.013	84.749	0.008	84.848	-0.006
84.911	-0.007	84.982	-0.000	85.049	0.014	85.113	0.013
85.202	0.012	85.294	0.007	85.363	0.010	85.422	0.022
85.468	0.018						



TH 120  
71.041 2/9/71 0600 PST L.A. 8629 LINCOLN, 12TH FLOOR  
4103 POINTS 85.468 SECONDS  
DOWN

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 0.0809 G/10.

TIME		ACCLN		TIME		ACCLN		TIME		ACCLN		TIME		ACCLN		TIME		ACCLN	
0.0	0.179	0.011	0.223	0.024	0.243	0.032	0.255	2.686	0.154	2.700	0.099	2.711	0.162	2.744	0.317	2.752	0.254	2.796	-0.091
0.043	0.239	0.057	0.175	0.071	0.072	0.085	-0.039	2.752	0.254	2.796	-0.091	2.811	-0.175	2.840	-0.079	2.858	-0.127	2.879	-0.186
0.100	-0.210	0.112	-0.337	0.121	-0.397	0.126	-0.397	2.858	-0.127	2.879	-0.186	2.917	0.155	2.926	0.207	2.939	0.174	2.973	-0.174
0.135	0.357	0.155	-0.214	0.177	-0.035	0.198	0.127	2.939	0.076	2.973	-0.174	3.024	0.274	3.005	-0.194	3.034	0.176	3.043	0.120
0.210	0.223	0.215	0.235	0.226	0.191	0.237	0.127	3.034	0.076	3.043	0.120	3.072	0.020	3.087	0.088	3.112	0.298	3.125	0.322
0.246	0.084	0.256	0.056	0.289	0.040	0.297	0.056	3.112	0.298	3.125	0.322	3.143	0.223	3.170	0.019	3.194	0.178	3.212	-0.274
0.092	0.094	0.312	0.167	0.321	0.219	0.330	0.183	3.194	0.178	3.212	-0.274	3.227	-0.210	3.258	-0.059	3.273	-0.031	3.314	-0.119
0.353	-0.015	0.360	-0.055	0.368	-0.075	0.379	-0.039	3.273	-0.031	3.314	-0.119	3.330	-0.039	3.353	0.199	3.380	0.445	3.388	0.497
0.398	0.072	0.410	0.124	0.442	0.060	0.442	-0.162	3.380	0.445	3.388	0.497	3.401	0.366	3.428	-0.178	3.442	-0.409	3.458	-0.500
0.449	-0.226	0.456	-0.270	0.467	-0.226	0.475	-0.174	3.442	-0.409	3.458	-0.500	3.473	-0.420	3.499	-0.075	3.516	0.012	3.537	0.080
0.519	0.302	0.530	0.382	0.541	0.413	0.552	0.358	3.516	0.012	3.537	0.080	3.559	0.139	3.577	0.088	3.595	0.004	3.612	-0.027
0.572	0.040	0.580	-0.047	0.591	-0.115	0.600	-0.127	3.595	0.004	3.612	-0.027	3.633	0.052	3.655	0.282	3.669	0.397	3.686	0.298
0.613	-0.083	0.626	-0.035	0.635	-0.183	0.670	0.255	3.669	0.397	3.686	0.298	3.708	-0.004	3.720	-0.068	3.743	-0.043	3.766	-0.004
0.679	0.183	0.700	-0.079	0.713	-0.198	0.737	-0.329	3.743	-0.043	3.766	-0.004	3.788	0.036	3.810	0.068	3.826	-0.143	3.852	-0.143
0.749	-0.341	0.760	-0.301	0.796	-0.008	0.815	0.176	3.826	-0.143	3.852	-0.143	3.867	-0.210	3.883	-0.131	3.914	0.044	3.929	0.080
0.824	0.147	0.833	0.163	0.846	0.131	0.903	-0.098	3.914	0.044	3.929	0.080	3.950	0.032	3.963	0.028	3.997	0.278	4.010	0.330
0.920	-0.242	0.936	-0.186	0.950	-0.107	0.984	0.207	3.997	0.278	4.010	0.330	4.024	0.223	4.048	-0.095	4.073	-0.401	4.084	-0.448
0.996	0.274	1.005	0.302	1.021	0.207	1.040	-0.043	4.073	-0.401	4.084	-0.448	4.103	-0.361	4.120	-0.115	4.138	0.163	4.155	0.326
1.054	-0.103	1.068	-0.115	1.088	-0.115	1.108	-0.071	4.138	0.163	4.155	0.326	4.217	0.159	4.247	-0.178	4.282	-0.274	4.300	-0.246
1.138	0.063	1.159	0.024	1.178	0.048	1.206	0.151	4.217	0.159	4.231	-0.004	4.247	-0.178	4.266	-0.254	4.327	-0.087	4.356	-0.099
1.218	0.191	1.234	0.155	1.256	0.024	1.277	-0.039	4.247	-0.178	4.266	-0.254	4.327	-0.087	4.356	-0.099	4.382	-0.043	4.435	0.253
1.288	-0.095	1.309	-0.063	1.330	-0.234	1.340	-0.270	4.327	-0.087	4.356	-0.099	4.382	-0.043	4.435	0.253	4.468	-0.020	4.517	-0.301
1.372	-0.079	1.387	0.008	1.399	-0.023	1.419	-0.095	4.435	0.253	4.468	-0.020	4.517	-0.301	4.536	0.012	4.568	0.326	4.591	0.417
1.431	-0.035	1.466	0.266	1.476	0.346	1.493	0.274	4.468	-0.020	4.517	-0.301	4.536	0.012	4.568	0.326	4.591	0.417	4.623	0.159
1.520	-0.143	1.533	-0.242	1.547	-0.166	1.580	0.215	4.591	0.417	4.623	0.159	4.651	-0.004	4.695	-0.190	4.719	-0.214	4.734	-0.115
1.598	0.326	1.611	0.215	1.642	-0.198	1.656	-0.262	4.651	-0.004	4.695	-0.190	4.719	-0.214	4.734	-0.115	4.787	0.517	4.802	0.628
1.667	-0.214	1.694	0.040	1.708	0.127	1.722	0.187	4.787	0.517	4.802	0.628	4.838	0.497	4.856	0.290	4.915	-0.329	4.938	-0.178
1.736	0.215	1.743	0.215	1.769	0.064	1.779	0.034	4.838	0.497	4.856	0.290	4.915	-0.329	4.938	-0.178	5.071	0.131	5.131	0.055
1.797	0.036	1.808	0.024	1.826	0.068	1.847	-0.051	4.915	-0.329	4.938	-0.178	5.071	0.131	5.131	0.055	5.162	-0.119	5.182	0.000
1.864	0.004	1.893	-0.107	1.916	-0.004	1.936	-0.043	5.071	0.131	5.131	0.055	5.162	-0.119	5.182	0.000	5.235	0.338	5.295	-0.091
1.964	-0.277	1.979	-0.365	1.990	-0.270	2.016	0.108	5.162	-0.119	5.182	0.000	5.235	0.338	5.295	-0.091	5.329	0.008	5.346	0.096
2.030	0.195	2.042	0.179	2.069	0.048	2.079	0.125	5.235	0.338	5.295	-0.091	5.329	0.008	5.346	0.096	5.378	0.175	5.412	0.274
2.094	0.056	2.130	0.267	2.139	0.187	2.166	-0.182	5.329	0.008	5.346	0.096	5.378	0.175	5.412	0.274	5.452	0.298	5.512	-0.291
2.253	-0.072	2.201	-0.230	2.225	0.013	2.242	0.080	5.452	0.298	5.512	-0.291	5.542	0.343	5.564	0.054	5.633	0.418	5.644	0.358
2.308	-0.181	2.266	-0.055	2.279	-0.174	2.296	-0.253	5.542	0.343	5.564	0.054	5.633	0.418	5.644	0.358	5.678	0.260	5.695	-0.044
2.338	-0.072	2.343	0.045	2.366	0.009	2.382	0.017	5.678	0.260	5.695	-0.044	5.727	-0.260	5.744	-0.291	5.777	-0.260	5.795	-0.044
2.393	0.038	2.409	-0.101	2.427	-0.066	2.442	-0.002	5.727	-0.260	5.744	-0.291	5.777	-0.260	5.795	-0.044	5.829	0.100	5.846	0.100
2.477	-0.344	2.494	0.439	2.512	0.443	2.528	0.285	5.829	0.100	5.846	0.100	5.879	0.208	5.896	0.291	5.929	0.343	5.946	0.343
2.560	-0.172	2.576	-0.275	2.594	-0.303	2.615	-0.291	5.879	0.208	5.896	0.291	5.929	0.343	5.946	0.343	5.978	0.260	5.995	-0.044
2.630	-0.243	2.643	-0.132	2.662	0.079	2.675	0.178	5.978	0.260	5.995	-0.044	6.029	0.343	6.046	0.343	6.078	0.260	6.095	-0.044



5.676	0.151	5.690	-0.088	5.700	-0.191	5.710	-0.211	10.085	0.157	10.100	0.189	10.115	0.168	10.156	0.036
5.723	-0.184	5.737	-0.121	5.752	0.006	5.772	0.268	10.169	0.068	10.182	0.135	10.207	0.155	10.216	0.175
5.789	0.382	5.803	0.283	5.823	0.072	5.838	0.020	10.235	0.146	10.259	0.059	10.278	0.029	10.295	-0.001
5.856	0.015	5.875	-0.072	5.893	-0.148	5.907	-0.108	10.311	0.022	10.332	-0.017	10.353	0.002	10.375	0.022
5.918	-0.085	5.932	-0.105	5.956	-0.319	5.975	-0.399	10.396	0.319	10.417	0.120	10.434	0.065	10.455	-0.042
5.994	-0.332	6.003	-0.165	6.021	0.252	6.034	0.414	10.480	-0.003	10.506	0.073	10.532	0.092	10.550	0.001
6.043	0.454	6.055	0.390	6.068	0.263	6.084	-0.011	10.569	-0.067	10.593	-0.047	10.617	-0.103	10.637	-0.170
6.101	-0.131	6.117	-0.230	6.138	-0.325	6.149	-0.301	10.653	-0.111	10.673	-0.035	10.709	-0.214	10.743	-0.103
6.183	-0.135	6.195	-0.043	6.222	0.274	6.237	0.318	10.766	-0.088	10.794	0.031	10.807	-0.036	10.835	-0.183
6.250	0.278	6.273	0.191	6.285	0.088	6.304	-0.127	10.854	-0.156	10.887	0.023	10.923	-0.089	10.943	0.070
6.330	-0.337	6.346	-0.389	6.365	-0.377	6.377	-0.277	10.961	0.252	10.973	0.371	10.983	0.391	10.992	0.363
6.389	-0.095	6.404	0.163	6.412	0.350	6.425	0.461	11.008	0.256	11.016	0.200	11.028	0.172	11.038	0.105
6.436	0.532	6.452	0.461	6.472	0.239	6.514	-0.095	11.049	0.037	11.056	-0.014	11.067	-0.054	11.091	-0.074
6.532	-0.198	6.551	-0.186	6.573	-0.250	6.593	-0.174	11.110	-0.118	11.128	-0.138	11.143	-0.094	11.163	0.052
6.611	0.088	6.634	0.386	6.649	0.461	6.665	0.390	11.180	0.175	11.201	0.183	11.218	0.155	11.234	0.056
6.677	0.255	6.698	-0.063	6.709	-0.127	6.721	-0.051	11.254	-0.095	11.272	-0.226	11.286	-0.293	11.297	-0.325
6.741	0.116	6.753	0.151	6.774	0.060	6.792	0.170	11.316	-0.290	11.330	-0.214	11.344	-0.107	11.356	0.012
6.811	-0.309	6.831	-0.385	6.852	-0.313	6.873	-0.154	11.368	0.071	11.380	0.079	11.389	0.052	11.403	0.020
6.888	-0.071	6.907	-0.043	6.930	-0.047	6.949	0.020	11.420	0.016	11.429	-0.008	11.449	-0.088	11.463	-0.127
6.961	0.004	6.981	-0.008	7.004	0.008	7.019	0.023	11.480	-0.100	11.489	-0.092	11.504	-0.116	11.514	-0.136
7.044	-0.103	7.055	-0.135	7.069	-0.127	7.098	0.068	11.525	-0.104	11.550	-0.064	11.558	-0.009	11.570	0.023
7.122	0.163	7.142	0.231	7.163	0.334	7.181	0.250	11.587	0.114	11.596	0.150	11.605	0.202	11.610	0.202
7.193	0.111	7.212	-0.127	7.223	-0.191	7.254	-0.175	11.622	0.146	11.637	0.023	11.644	-0.049	11.656	-0.128
7.285	-0.092	7.304	-0.115	7.323	0.015	7.354	-0.048	11.666	-0.172	11.677	-0.172	11.687	-0.128	11.701	-0.049
7.382	-0.179	7.402	-0.330	7.415	-0.438	7.422	-0.454	11.712	0.094	11.722	0.158	11.731	0.181	11.744	0.165
7.435	-0.378	7.469	0.173	7.481	0.320	7.494	0.391	11.759	0.110	11.767	0.102	11.780	0.122	11.786	0.141
7.506	0.324	7.530	-0.121	7.543	-0.288	7.560	-0.348	11.801	0.110	11.812	0.050	11.823	0.022	11.835	0.014
7.575	-0.288	7.595	-0.106	7.625	-0.275	7.642	-0.363	11.846	0.030	11.856	0.034	11.866	0.086	11.880	0.145
7.662	0.315	7.676	0.204	7.695	-0.023	7.716	-0.102	11.892	0.213	11.902	0.260	11.917	0.284	11.930	0.260
7.732	-0.078	7.755	0.057	7.769	0.037	7.797	0.067	11.957	0.157	11.967	0.058	11.982	-0.061	11.995	-0.133
7.807	-0.067	7.829	-0.190	7.866	0.064	7.881	0.112	12.010	-0.176	12.021	-0.164	12.036	-0.109	12.060	-0.065
7.907	0.060	7.936	-0.019	7.961	0.060	7.982	0.155	12.069	-0.069	12.083	-0.077	12.101	-0.046	12.116	0.006
8.010	0.084	8.128	0.080	8.047	-0.008	8.078	-0.154	12.141	0.081	12.152	0.049	12.183	-0.114	12.204	-0.265
8.097	-0.071	8.287	0.000	8.159	0.068	8.182	0.131	12.222	-0.317	12.235	-0.285	12.265	-0.067	12.281	0.000
8.201	0.088	8.228	0.131	8.248	0.171	8.267	0.143	12.301	0.000	12.323	-0.036	12.353	-0.080	12.376	-0.041
8.263	-0.139	8.310	-0.139	8.329	-0.075	8.346	-0.015	12.387	0.019	12.397	0.011	12.418	-0.025	12.439	-0.042
8.363	0.000	8.390	-0.270	8.421	-0.293	8.438	-0.186	12.466	-0.070	12.476	-0.031	12.534	0.104	12.546	0.135
8.472	0.159	8.486	0.112	8.508	-0.011	8.522	0.040	12.561	0.095	12.580	0.028	12.604	-0.024	12.626	-0.088
8.541	0.163	8.569	0.020	8.586	0.024	8.623	-0.119	12.642	-0.052	12.665	-0.025	12.684	-0.029	12.707	-0.037
8.651	-0.087	8.669	-0.024	8.680	0.083	8.701	0.325	12.719	-0.006	12.733	0.046	12.753	0.018	12.783	0.037
8.724	0.329	8.742	0.353	8.786	0.035	8.802	0.082	12.808	-0.003	12.833	-0.070	12.857	-0.046	12.879	-0.055
8.828	-0.177	8.845	0.189	8.860	0.205	8.876	0.089	12.902	-0.098	12.918	-0.106	12.939	-0.098	12.957	-0.027
8.896	-0.097	8.909	-0.157	8.933	-0.158	8.947	-0.118	12.972	0.056	12.988	0.112	13.009	-0.100	13.030	0.020
8.976	0.016	8.993	0.079	9.016	0.015	9.038	-0.033	13.049	-0.095	13.069	-0.170	13.089	-0.222	13.108	-0.254
9.052	-0.053	9.070	-0.093	9.084	-0.054	9.108	0.037	13.128	-0.234	13.152	-0.060	13.176	0.044	13.195	0.115
9.126	-0.067	9.150	-0.115	9.170	-0.091	9.190	-0.020	13.218	-0.190	13.230	0.210	13.250	0.119	13.297	-0.096
9.216	0.059	9.228	0.027	9.250	-0.069	9.263	-0.061	13.312	-0.060	13.346	0.091	13.363	0.138	13.389	0.055
9.293	0.038	9.313	0.026	9.340	-0.046	9.358	-0.118	13.411	0.042	13.433	0.015	13.444	0.022	13.466	0.098
9.379	-0.086	9.400	0.025	9.424	0.203	9.462	0.183	13.505	0.193	13.527	0.189	13.551	0.097	13.560	0.117
9.482	0.190	9.518	0.051	9.537	0.078	9.550	0.058	13.583	0.144	13.599	0.113	13.624	-0.023	13.645	0.005
9.572	0.149	9.587	0.181	9.617	0.093	9.645	0.057	13.706	-0.142	13.718	-0.178	13.762	0.017	13.781	-0.023
9.669	0.017	9.685	0.048	9.711	0.162	9.727	0.201	13.802	-0.111	13.821	-0.134	13.844	-0.087	13.867	0.000
9.743	0.201	9.768	0.041	9.792	-0.218	9.801	-0.246	13.884	0.084	13.896	0.088	13.924	0.028	13.935	0.020
9.835	-0.212	9.852	-0.173	9.878	-0.019	9.892	0.009	13.952	0.086	13.987	0.182	14.001	0.198	14.010	0.131
9.904	-0.020	9.924	-0.044	9.952	-0.014	9.962	-0.022	14.046	-0.155	14.055	-0.187	14.076	-0.120	14.098	0.007
9.983	-0.137	10.001	-0.086	10.031	-0.115	10.047	-0.080	14.120	0.174	14.137	0.158	14.161	0.027	14.185	-0.017



14.217	-0.076	14.235	-0.077	14.268	-0.120	14.279	-0.085	19.078	0.120	19.091	0.160	19.107	0.148	19.125	0.105
14.305	0.034	14.317	0.062	14.338	0.014	14.362	0.082	19.143	0.069	19.165	0.061	19.187	0.097	19.204	0.148
14.370	0.102	14.398	0.050	14.428	-0.021	14.452	-0.093	19.220	0.196	19.235	0.172	19.257	0.132	19.275	0.117
14.479	-0.045	14.507	-0.077	14.548	-0.021	14.568	-0.057	19.302	0.105	19.319	0.124	19.333	0.136	19.357	0.120
14.586	-0.081	14.603	-0.053	14.621	0.046	14.651	0.256	19.371	0.085	19.409	0.064	19.428	0.020	19.457	0.095
14.666	0.224	14.692	0.097	14.710	-0.026	14.730	-0.193	19.478	0.107	19.499	0.086	19.514	0.082	19.530	0.070
14.742	-0.233	14.759	-0.177	14.803	0.021	14.823	0.128	19.561	0.113	19.575	0.117	19.597	0.113	19.635	0.104
14.830	0.120	14.862	0.032	14.891	0.095	14.919	0.083	19.663	0.127	19.697	0.075	19.730	0.031	19.743	0.023
14.929	0.039	14.945	0.075	14.962	0.023	14.981	0.047	19.770	0.054	19.803	0.089	19.821	0.121	19.842	0.085
15.009	0.003	15.034	-0.002	15.053	0.046	15.069	0.097	19.867	0.041	19.888	-0.010	19.909	0.021	19.937	0.009
15.087	0.113	15.101	0.081	15.127	0.021	15.143	-0.019	19.957	-0.010	20.011	-0.002	20.037	-0.014	20.051	-0.026
15.164	-0.031	15.192	-0.035	15.222	-0.023	15.248	0.021	20.071	0.005	20.088	0.033	20.105	0.045	20.125	0.037
15.272	0.128	15.284	0.128	15.298	0.072	15.346	-0.119	20.142	0.017	20.155	-0.022	20.172	-0.002	20.210	0.010
15.366	-0.154	15.379	-0.123	15.395	-0.091	15.417	-0.012	20.244	0.010	20.261	0.026	20.280	0.054	20.306	0.062
15.460	0.032	15.484	-0.000	15.504	0.036	15.539	0.047	20.424	-0.070	20.451	-0.094	20.481	-0.094	20.507	-0.091
15.564	0.015	15.589	-0.096	15.608	-0.136	15.625	-0.108	20.527	-0.055	20.547	0.000	20.561	-0.036	20.581	0.035
15.651	-0.013	15.680	0.081	15.699	0.133	15.722	0.105	20.601	-0.029	20.629	-0.124	20.647	-0.153	20.669	-0.141
15.751	-0.011	15.772	-0.019	15.807	-0.019	15.837	-0.016	20.792	-0.096	20.810	-0.089	20.828	-0.062	20.847	-0.070
15.871	0.051	15.887	0.019	15.914	0.098	15.934	0.090	20.868	-0.098	20.884	-0.138	20.895	-0.170	20.910	-0.154
15.949	0.098	15.979	0.121	15.993	0.113	16.016	0.073	20.928	-0.130	20.939	-0.099	20.959	-0.087	20.971	-0.095
16.106	-0.159	16.122	-0.079	16.141	0.000	16.160	0.036	20.992	-0.119	21.010	-0.123	21.055	-0.124	21.075	-0.108
16.184	0.020	16.217	-0.052	16.236	-0.044	16.249	0.015	21.095	-0.080	21.117	-0.093	21.144	-0.172	21.162	-0.176
16.271	0.055	16.291	0.035	16.315	-0.029	16.332	-0.117	21.182	-0.172	21.203	-0.139	21.222	-0.079	21.246	-0.083
16.346	-0.121	16.372	-0.053	16.390	0.018	16.410	0.062	21.267	-0.102	21.290	-0.126	21.300	-0.137	21.320	-0.105
16.426	0.082	16.450	-0.048	16.473	0.130	16.500	0.082	21.335	-0.101	21.352	-0.088	21.384	-0.096	21.420	-0.112
16.538	0.063	16.569	-0.048	16.597	-0.024	16.626	-0.028	21.425	-0.096	21.439	-0.072	21.450	-0.048	21.461	-0.021
16.659	0.055	16.676	0.031	16.695	-0.008	16.715	-0.012	21.478	0.015	21.492	0.030	21.500	0.038	21.515	0.018
16.740	0.028	16.754	0.071	16.778	-0.075	16.803	0.048	21.528	-0.011	21.541	-0.051	21.552	-0.087	21.563	-0.107
16.826	-0.020	16.846	-0.035	16.873	-0.047	16.890	-0.115	21.574	-0.123	21.585	-0.119	21.596	-0.108	21.608	-0.096
16.915	-0.083	16.941	-0.103	16.961	-0.079	16.980	-0.039	21.620	-0.085	21.632	-0.053	21.649	-0.026	21.662	0.002
17.003	-0.027	17.024	-0.023	17.047	-0.095	17.073	-0.020	21.673	0.033	21.681	0.049	21.689	-0.053	21.699	0.056
17.086	-0.194	17.106	-0.158	17.128	-0.107	17.143	-0.051	21.707	0.040	21.719	0.020	21.729	-0.000	21.737	-0.024
17.159	-0.007	17.179	0.013	17.203	0.017	17.218	0.041	21.746	-0.040	21.756	-0.048	21.765	-0.040	21.776	-0.028
17.251	-0.022	17.279	-0.030	17.307	-0.061	17.335	-0.085	21.785	-0.021	21.796	-0.005	21.804	-0.001	21.813	-0.001
17.352	-0.081	17.372	-0.045	17.393	0.003	17.409	0.034	21.828	-0.005	21.838	-0.009	21.847	-0.029	21.858	-0.045
17.431	0.050	17.459	0.102	17.494	0.102	17.514	0.083	21.867	-0.049	21.876	-0.049	21.885	-0.045	21.893	-0.033
17.556	-0.017	17.583	0.003	17.619	-0.001	17.647	-0.023	21.903	-0.009	21.912	0.007	21.919	0.026	21.928	0.042
17.682	-0.093	17.694	-0.101	17.727	-0.086	17.751	-0.023	21.940	0.034	21.952	0.066	21.962	0.078	21.972	0.085
17.777	0.009	17.796	0.040	17.819	0.016	17.841	-0.043	21.980	0.070	21.991	0.061	22.002	0.049	22.014	0.057
17.866	-0.095	17.885	-0.167	17.902	-0.183	17.917	-0.152	22.022	0.065	22.031	0.069	22.040	0.061	22.050	0.053
17.935	-0.112	17.949	-0.049	17.968	-0.003	17.984	-0.017	22.063	0.061	22.073	0.061	22.084	0.053	22.092	0.060
18.006	-0.045	18.024	-0.077	18.037	-0.101	18.060	-0.145	22.102	0.064	22.113	0.076	22.122	0.076	22.132	0.068
18.078	-0.122	18.105	-0.058	18.124	-0.047	18.150	0.048	22.142	0.048	22.149	0.028	22.158	0.036	22.164	0.052
18.184	0.044	18.202	0.076	18.225	0.040	18.255	-0.044	22.173	0.068	22.182	0.079	22.192	0.103	22.200	0.107
18.275	0.019	18.302	0.070	18.322	0.090	18.342	0.042	22.210	0.103	22.220	0.075	22.228	0.059	22.237	0.043
18.366	0.002	18.387	-0.026	18.407	-0.030	18.434	-0.002	22.245	0.027	22.253	0.023	22.262	0.027	22.273	0.058
18.462	0.001	18.492	-0.110	18.514	-0.134	18.533	-0.067	22.281	0.066	22.290	0.074	22.298	0.082	22.308	0.070
18.561	-0.044	18.585	-0.052	18.604	-0.116	18.615	-0.116	22.320	0.058	22.332	0.041	22.343	0.025	22.355	0.021
18.633	-0.025	18.655	0.003	18.674	0.031	18.689	0.047	22.367	0.017	22.378	0.025	22.388	0.029	22.396	0.036
18.706	0.046	18.725	-0.029	18.740	-0.057	18.757	-0.073	22.408	0.024	22.419	0.020	22.433	0.016	22.444	0.016
18.770	-0.057	18.782	-0.014	18.795	0.034	18.810	0.085	22.455	0.028	22.467	0.043	22.481	0.055	22.490	0.067
18.826	0.109	18.835	0.125	18.853	0.069	18.867	0.029	22.502	0.035	22.513	0.046	22.525	0.034	22.538	0.022
18.890	0.033	18.909	0.033	18.925	0.057	18.939	0.101	22.548	0.006	22.557	0.022	22.567	0.022	22.582	0.025
18.948	0.132	18.960	0.156	18.978	0.148	18.997	0.117	22.594	0.021	22.609	0.009	22.624	0.005	22.635	0.005
19.014	0.061	19.030	0.029	19.046	0.045	19.062	0.073								



22.645	0.005	22.657	0.005	22.668	0.000	22.685	-0.012	25.406	0.002	25.417	0.018	25.428	0.034	25.434	0.038
22.700	-0.024	22.713	-0.036	22.727	-0.048	22.742	-0.068	25.443	0.022	25.454	0.026	25.469	0.018	25.478	0.030
22.754	-0.092	22.764	-0.100	22.774	-0.073	22.786	-0.057	25.489	0.053	25.509	0.081	25.522	0.093	25.534	0.077
22.797	-0.037	22.810	-0.006	22.821	0.018	22.833	0.038	25.549	0.049	25.564	0.029	25.581	0.033	25.594	0.049
22.842	0.045	22.857	0.037	22.871	0.041	22.880	0.048	25.605	0.065	25.615	0.081	25.624	0.081	25.635	0.077
22.895	0.068	22.908	0.076	22.921	0.087	22.933	0.099	25.644	0.065	25.653	0.061	25.665	0.053	25.678	0.042
22.944	0.091	22.955	0.071	22.968	0.035	22.980	0.018	25.686	0.034	25.697	0.046	25.713	0.066	25.726	0.070
22.994	0.010	23.006	0.018	23.018	0.025	23.029	0.049	25.736	0.081	25.748	0.082	25.763	0.074	25.780	0.070
23.038	0.073	23.049	0.092	23.057	0.120	23.065	0.143	25.790	0.070	25.801	0.078	25.811	0.066	25.823	0.050
23.076	0.058	23.087	0.147	23.103	0.131	23.120	0.126	25.835	0.026	25.846	0.022	25.859	0.030	25.869	0.026
23.132	0.195	23.143	0.070	23.151	0.042	23.162	0.026	25.880	0.050	25.894	0.081	25.905	0.097	25.913	0.101
23.172	0.034	23.184	0.045	23.197	0.069	23.211	0.088	25.923	0.109	25.934	0.097	25.946	0.085	25.958	0.081
23.223	0.104	23.236	0.115	23.250	0.123	23.264	0.131	25.970	0.069	25.985	0.077	25.995	0.081	26.009	0.077
23.279	0.143	23.294	0.151	23.308	0.154	23.320	0.158	26.022	0.081	26.033	0.077	26.048	0.064	26.061	0.072
23.331	0.146	23.340	0.126	23.351	0.087	23.361	0.051	26.079	0.092	26.093	0.112	26.107	0.135	26.124	0.147
23.370	0.023	23.381	0.015	23.390	-0.001	23.404	-0.001	26.135	0.155	26.145	0.163	26.158	0.143	26.171	0.131
23.414	0.010	23.430	0.034	23.443	0.050	23.454	0.058	26.183	0.115	26.204	0.079	26.222	0.055	26.236	0.051
23.460	0.062	23.470	0.046	23.484	0.030	23.495	0.014	26.253	0.062	26.271	0.082	26.291	0.082	26.305	0.097
23.505	0.010	23.515	0.022	23.525	0.038	23.536	0.058	26.321	0.109	26.333	0.117	26.347	0.124	26.356	0.116
23.544	0.069	23.552	0.081	23.560	0.085	23.568	0.077	26.382	0.068	26.398	0.040	26.413	0.028	26.431	0.036
23.580	0.069	23.594	0.045	23.605	0.006	23.618	-0.026	26.444	0.048	26.457	0.075	26.469	0.079	26.484	0.071
23.630	-0.042	23.642	-0.058	23.654	-0.074	23.667	-0.078	26.496	0.055	26.518	0.007	26.533	0.007	26.568	0.010
23.679	-0.058	23.695	-0.026	23.708	0.013	23.723	0.037	26.588	0.006	26.606	0.002	26.621	0.017	26.638	0.001
23.738	0.084	23.751	0.124	23.760	0.135	23.770	0.127	26.652	0.017	26.668	0.033	26.683	0.041	26.694	0.049
23.787	0.091	23.797	0.091	23.809	0.115	23.822	0.150	26.708	0.049	26.724	0.041	26.740	0.029	26.755	0.009
23.830	0.146	23.843	0.114	23.861	0.074	23.878	0.050	26.771	0.005	26.786	0.008	26.798	0.020	26.813	0.040
23.894	0.018	23.910	0.026	23.929	0.034	23.945	0.037	26.826	0.052	26.839	0.048	26.856	0.048	26.872	0.040
23.963	0.041	23.978	0.065	23.996	0.092	24.008	0.116	26.886	0.036	26.899	0.028	26.912	0.012	26.927	0.008
24.013	0.128	24.019	0.131	24.033	0.115	24.056	0.071	26.940	0.008	26.953	0.016	26.967	0.048	26.978	0.072
24.074	0.063	24.088	0.031	24.102	0.003	24.121	-0.005	26.993	0.096	27.011	0.120	27.027	0.127	27.040	0.096
24.136	-0.029	24.150	-0.065	24.165	-0.089	24.178	-0.101	27.060	0.064	27.085	0.072	27.098	0.056	27.125	0.000
24.191	-0.117	24.203	-0.129	24.214	-0.146	24.222	-0.154	27.146	-0.039	27.161	-0.043	27.175	-0.039	27.199	-0.008
24.235	-0.146	24.244	-0.142	24.258	-0.154	24.269	-0.142	27.212	0.016	27.227	0.032	27.243	0.036	27.264	0.024
24.280	-0.142	24.291	-0.138	24.303	-0.130	24.308	-0.126	27.286	0.020	27.302	0.021	27.318	0.021	27.336	0.029
24.318	-0.138	24.326	-0.158	24.333	-0.154	24.344	-0.138	27.351	0.033	27.366	0.021	27.381	0.001	27.399	-0.035
24.356	-0.114	24.364	-0.103	24.379	-0.107	24.393	-0.111	27.411	-0.043	27.428	-0.035	27.443	-0.007	27.477	0.001
24.408	-0.119	24.422	-0.127	24.435	-0.115	24.443	-0.119	27.502	0.005	27.522	0.009	27.548	0.005	27.565	-0.001
24.455	-0.139	24.460	-0.135	24.475	-0.119	24.488	-0.095	27.584	-0.038	27.602	-0.050	27.616	-0.034	27.640	-0.026
24.502	-0.087	24.514	-0.075	24.528	-0.087	24.543	-0.103	27.660	-0.050	27.680	-0.066	27.698	-0.078	27.716	-0.082
24.567	-0.119	24.583	-0.135	24.595	-0.139	24.609	-0.127	27.733	-0.082	27.751	-0.054	27.766	-0.034	27.781	-0.055
24.622	-0.119	24.633	-0.104	24.646	-0.092	24.656	-0.092	27.802	-0.058	27.837	-0.054	27.857	-0.082	27.871	-0.055
24.670	-0.120	24.684	-0.140	24.697	-0.144	24.709	-0.140	27.889	-0.039	27.904	-0.031	27.920	-0.055	27.934	-0.075
24.723	-0.128	24.739	-0.125	24.751	-0.113	24.765	-0.097	27.956	-0.099	27.974	-0.116	27.995	-0.100	28.014	-0.092
24.779	-0.109	24.793	-0.125	24.804	-0.121	24.819	-0.110	28.026	-0.069	28.042	-0.081	28.058	-0.085	28.078	-0.089
24.833	-0.106	24.846	-0.098	24.859	-0.102	24.873	-0.126	28.096	-0.081	28.116	-0.066	28.134	-0.050	28.151	-0.058
24.936	-0.147	24.946	-0.135	24.956	-0.132	24.967	-0.120	28.168	-0.078	28.183	-0.094	28.202	-0.098	28.219	-0.099
24.979	-0.124	24.991	-0.116	25.001	-0.125	25.012	-0.129	28.234	-0.083	28.252	-0.071	28.274	-0.079	28.296	-0.091
25.021	-0.133	25.032	-0.133	25.043	-0.137	25.053	-0.154	28.323	-0.092	28.339	-0.068	28.357	-0.040	28.370	-0.013
25.066	-0.162	25.077	-0.166	25.089	-0.170	25.100	-0.164	28.445	-0.069	28.466	-0.061	28.482	-0.037	28.503	-0.033
25.116	-0.155	25.127	-0.151	25.139	-0.167	25.150	-0.163	28.538	-0.005	28.590	-0.029	28.607	-0.057	28.623	-0.069
25.162	-0.140	25.177	-0.097	25.190	-0.069	25.204	-0.042	28.616	-0.021	28.634	0.003	28.649	0.015	28.668	-0.005
25.218	-0.042	25.233	-0.022	25.245	-0.019	25.261	-0.047	28.688	-0.028	28.708	-0.048	28.728	-0.048	28.745	-0.036
25.274	-0.043	25.286	-0.044	25.294	-0.024	25.304	-0.016	28.762	-0.013	28.777	-0.005	28.798	-0.005	28.824	-0.013
25.310	-0.016	25.321	-0.032	25.333	-0.033	25.343	-0.029	28.845	-0.013	28.867	-0.001	28.893	-0.005	28.912	0.003
25.356	-0.025	25.368	-0.025	25.379	-0.022	25.392	-0.006	28.929	0.007	28.954	0.011	28.984	0.003	28.998	-0.005



29.022	-0.013	29.043	-0.029	29.063	-0.041	29.082	-0.037	32.656	0.021	32.669	0.021	32.684	0.025	32.700	0.017
29.102	-0.021	29.120	-0.009	29.137	0.010	29.151	0.026	32.713	0.009	32.725	0.001	32.739	-0.007	32.750	-0.007
29.165	0.034	29.179	0.034	29.196	0.022	29.210	0.015	32.764	-0.003	32.775	0.001	32.792	0.001	32.810	-0.011
29.232	0.007	29.247	0.003	29.259	-0.005	29.279	0.011	32.825	-0.023	32.839	-0.028	32.854	-0.024	32.870	-0.027
29.294	-0.013	29.313	-0.041	29.333	-0.060	29.349	-0.045	32.887	-0.028	32.899	-0.031	32.911	-0.024	32.925	-0.032
29.367	0.051	29.388	0.051	29.400	0.060	29.416	0.055	32.937	-0.052	32.954	-0.052	32.969	-0.048	32.984	-0.033
29.430	0.051	29.443	0.031	29.455	-0.004	29.475	0.004	32.997	-0.017	33.009	-0.013	33.028	-0.009	33.042	-0.009
29.495	-0.004	29.510	-0.008	29.531	0.000	29.549	0.012	33.057	0.002	33.076	-0.002	33.092	-0.010	33.109	-0.018
29.568	0.024	29.585	0.032	29.599	0.029	29.613	-0.003	33.125	-0.022	33.143	-0.018	33.155	0.005	33.168	0.021
29.628	-0.011	29.645	-0.003	29.663	0.017	29.678	0.033	33.182	0.041	33.193	0.037	33.203	0.032	33.217	0.016
29.691	0.057	29.705	0.077	29.717	0.077	29.738	0.057	33.230	0.004	33.241	0.016	33.256	0.036	33.267	0.059
29.761	0.073	29.779	0.061	29.796	0.061	29.815	0.069	33.281	0.075	33.297	0.086	33.315	0.074	33.328	0.058
29.829	0.077	29.840	0.077	29.856	0.054	29.877	0.026	33.340	0.046	33.353	0.058	33.369	0.077	33.384	0.101
29.897	0.022	29.912	0.026	29.926	0.062	29.941	0.058	33.399	0.105	33.411	0.101	33.427	0.076	33.448	0.068
29.960	0.026	29.978	-0.006	29.993	-0.026	30.009	-0.014	33.464	0.056	33.484	0.060	33.502	0.063	33.521	0.059
30.026	-0.014	30.040	0.018	30.064	0.030	30.080	0.030	33.542	0.055	33.557	0.062	33.575	0.078	33.588	0.094
30.098	0.026	30.119	0.002	30.137	-0.014	30.155	-0.038	33.601	0.093	33.615	0.101	33.629	0.073	33.644	0.041
30.174	-0.018	30.193	0.001	30.207	0.029	30.220	0.045	33.659	0.025	33.677	0.017	33.693	0.029	33.705	0.036
30.245	0.053	30.263	0.049	30.283	0.049	30.300	0.033	33.721	0.032	33.741	0.024	33.760	0.020	33.781	0.015
30.320	0.021	30.346	0.004	30.365	0.000	30.386	-0.012	33.794	0.027	33.808	0.051	33.822	0.070	33.833	0.074
30.410	-0.008	30.435	-0.004	30.460	-0.004	30.477	0.012	33.850	0.050	33.866	-0.022	33.887	-0.006	33.905	-0.014
30.493	0.015	30.502	0.023	30.529	-0.001	30.557	0.003	33.924	-0.022	33.941	-0.014	33.961	0.010	33.978	0.029
30.583	-0.001	30.601	0.003	30.623	0.015	30.641	0.030	33.996	0.049	34.009	0.041	34.024	0.037	34.041	0.025
30.660	0.042	30.678	0.034	30.696	0.002	30.711	-0.022	34.057	-0.007	34.072	-0.027	34.089	-0.039	34.100	-0.039
30.726	-0.050	30.738	-0.030	30.752	-0.010	30.773	0.033	34.115	-0.027	34.135	-0.015	34.148	0.000	34.167	0.008
30.790	0.053	30.804	0.057	30.820	0.057	30.841	0.041	34.185	-0.020	34.208	0.000	34.223	-0.024	34.241	-0.036
30.864	0.033	30.884	0.049	30.905	0.073	30.929	0.093	34.257	-0.040	34.276	-0.040	34.299	-0.016	34.316	-0.004
30.943	0.101	30.960	0.089	30.981	0.077	31.001	0.066	34.330	-0.032	34.345	-0.052	34.360	-0.044	34.380	-0.032
31.021	0.062	31.043	0.066	31.057	0.086	31.072	0.094	34.394	-0.036	34.413	-0.024	34.429	-0.016	34.447	-0.024
31.086	0.094	31.101	0.082	31.119	0.046	31.138	0.011	34.465	-0.032	34.482	-0.044	34.501	-0.064	34.515	-0.088
31.153	0.019	31.169	0.039	31.182	0.039	31.200	0.028	34.533	-0.084	34.546	-0.085	34.564	-0.065	34.579	-0.041
31.219	0.024	31.241	0.032	31.269	0.029	31.311	0.029	34.602	-0.021	34.630	-0.026	34.653	-0.038	34.689	-0.042
31.328	0.006	31.351	-0.034	31.375	-0.065	31.404	-0.097	34.710	-0.070	34.733	-0.090	34.753	-0.114	34.768	-0.098
31.430	-0.097	31.452	-0.081	31.473	-0.057	31.489	-0.017	34.799	-0.034	34.814	-0.019	34.849	-0.023	34.872	-0.027
31.508	0.007	31.527	-0.013	31.548	-0.040	31.567	-0.068	34.897	-0.003	34.918	0.001	34.936	-0.023	34.953	-0.043
31.589	-0.064	31.611	-0.052	31.643	-0.044	31.673	-0.044	34.970	-0.051	34.999	-0.044	35.027	-0.020	35.050	0.012
31.704	-0.039	31.727	-0.047	31.735	-0.047	31.748	-0.063	35.073	0.011	35.097	0.027	35.119	0.031	35.136	0.031
31.763	-0.075	31.774	-0.091	31.787	-0.094	31.803	-0.090	35.159	0.027	35.178	0.011	35.201	0.003	35.220	0.026
31.814	-0.067	31.824	-0.047	31.833	-0.035	31.841	-0.011	35.236	0.062	35.252	0.066	35.272	0.038	35.296	0.006
31.850	0.005	31.864	0.017	31.874	0.029	31.882	0.021	35.311	-0.010	35.328	0.006	35.349	0.018	35.363	0.029
31.896	0.009	31.908	-0.014	31.920	-0.042	31.937	-0.038	35.378	0.017	35.391	0.001	35.413	-0.007	35.432	0.009
31.952	-0.074	31.964	-0.085	31.973	-0.089	31.987	-0.089	35.454	0.033	35.462	0.041	35.473	0.049	35.488	0.041
32.000	-0.085	32.011	-0.077	32.023	-0.069	32.035	-0.037	35.503	0.017	35.522	-0.015	35.541	-0.035	35.556	-0.039
32.045	-0.041	32.057	-0.025	32.071	-0.037	32.084	-0.037	35.571	-0.019	35.585	0.005	35.604	0.021	35.621	0.036
32.095	-0.049	32.105	-0.065	32.115	-0.081	32.127	-0.085	35.639	0.048	35.654	0.032	35.667	0.016	35.683	0.008
32.139	-0.077	32.152	-0.069	32.162	-0.061	32.173	-0.045	35.699	0.008	35.723	0.012	35.736	0.020	35.756	0.032
32.185	-0.053	32.197	-0.057	32.205	-0.073	32.213	-0.061	35.773	0.040	35.804	0.043	35.818	0.059	35.833	0.071
32.224	-0.049	32.232	-0.033	32.239	-0.025	32.248	-0.006	35.849	0.079	35.858	0.075	35.877	0.067	35.894	0.059
32.259	0.002	32.272	0.002	32.285	-0.013	32.299	-0.033	35.916	0.055	35.940	0.047	35.965	0.058	35.984	0.050
32.314	-0.061	32.326	-0.061	32.336	-0.049	32.348	-0.025	36.003	0.034	36.020	0.010	36.045	-0.002	36.064	0.002
32.361	-0.010	32.373	-0.010	32.386	-0.010	32.399	-0.018	36.085	0.010	36.105	0.018	36.120	0.013	36.136	-0.003
32.414	-0.030	32.431	-0.038	32.447	-0.030	32.458	-0.014	36.162	-0.015	36.185	-0.007	36.200	-0.019	36.219	-0.035
32.470	0.014	32.483	0.030	32.493	0.046	32.502	0.058	36.236	-0.055	36.256	-0.059	36.276	-0.059	36.295	-0.052
32.512	0.069	32.527	0.065	32.538	0.058	32.550	0.046	36.314	-0.028	36.329	-0.016	36.344	-0.016	36.361	-0.038
32.561	0.026	32.575	0.002	32.587	-0.014	32.599	-0.006	36.379	-0.060	36.401	-0.096	36.415	-0.104	36.436	-0.076
32.610	-0.002	32.620	0.006	32.631	0.022	32.644	0.022	36.452	-0.068	36.470	-0.080	36.497	-0.088	36.516	-0.088



36.534	-0.072	36.550	-0.056	36.568	-0.032	36.581	-0.028	41.414	0.048	41.439	0.044	41.465	0.044	41.489	0.040
36.594	-0.016	36.608	-0.028	36.622	-0.056	36.638	-0.072	41.519	0.040	41.546	0.040	41.569	0.048	41.586	0.040
36.650	-0.088	36.668	-0.080	36.685	-0.068	36.699	-0.052	41.607	0.020	41.634	0.008	41.665	0.008	41.690	0.016
36.720	-0.044	36.736	-0.036	36.758	-0.024	36.772	-0.020	41.716	0.008	41.749	0.000	41.776	-0.012	41.810	-0.012
36.796	-0.020	36.813	-0.016	36.831	-0.020	36.851	-0.024	41.850	-0.020	41.897	-0.032	41.964	-0.036	41.979	-0.021
36.869	-0.032	36.887	-0.043	36.907	-0.051	36.926	-0.054	42.033	-0.053	42.070	-0.045	42.106	-0.057	42.130	-0.073
36.945	-0.055	36.964	-0.055	36.984	-0.047	37.005	-0.047	42.163	-0.056	42.196	-0.054	42.239	-0.070	42.281	-0.082
37.023	-0.040	37.041	-0.020	37.062	-0.012	37.077	0.004	42.312	-0.066	42.336	-0.059	42.358	-0.047	42.381	-0.067
37.092	-0.004	37.111	-0.004	37.138	-0.004	37.160	0.004	42.413	-0.079	42.454	-0.087	42.504	-0.091	42.546	-0.092
37.188	0.008	37.210	0.019	37.229	0.027	37.273	0.027	42.592	-0.092	42.632	-0.060	42.659	-0.057	42.683	-0.084
37.296	0.039	37.312	0.059	37.329	0.070	37.344	0.074	42.712	-0.089	42.742	-0.065	42.772	-0.049	42.829	-0.053
37.370	0.066	37.388	0.050	37.409	0.042	37.432	0.066	42.852	-0.037	42.873	-0.029	42.898	-0.033	42.917	-0.037
37.452	0.053	37.475	0.045	37.495	0.049	37.516	0.057	42.934	-0.044	42.947	-0.032	42.964	-0.024	42.983	-0.020
37.537	0.061	37.557	0.041	37.596	0.036	37.626	0.032	43.008	-0.020	43.031	-0.012	43.048	-0.008	43.066	-0.007
37.652	0.016	37.683	0.012	37.714	0.008	37.738	0.012	43.084	-0.011	43.100	-0.015	43.115	-0.011	43.129	-0.015
37.762	0.003	37.782	0.039	37.801	0.023	37.826	0.011	43.144	-0.011	43.165	-0.010	43.185	-0.034	43.202	-0.026
37.853	0.003	37.883	0.019	37.917	0.015	37.941	0.015	43.216	-0.022	43.232	-0.022	43.245	-0.014	43.262	-0.013
37.959	0.026	37.982	0.018	38.006	0.015	38.026	0.019	43.280	-0.009	43.298	-0.005	43.314	-0.005	43.329	-0.005
38.046	0.047	38.062	0.059	38.077	0.063	38.091	0.039	43.345	-0.013	43.363	-0.016	43.381	-0.012	43.401	-0.016
38.108	0.016	38.131	-0.000	38.156	-0.008	38.182	-0.004	43.419	-0.012	43.439	-0.008	43.457	-0.012	43.476	-0.005
38.203	0.009	38.235	-0.003	38.258	-0.017	38.274	0.005	43.495	0.007	43.516	0.003	43.536	0.015	43.551	0.007
38.293	-0.002	38.320	-0.014	38.352	-0.029	38.382	-0.025	43.568	0.005	43.583	0.003	43.597	0.015	43.617	0.011
38.413	-0.017	38.441	0.011	38.480	0.012	38.504	0.008	43.640	0.023	43.659	0.031	43.679	0.047	43.701	0.051
38.532	0.017	38.558	0.025	38.577	0.029	38.606	0.009	43.727	0.051	43.745	0.043	43.763	0.027	43.779	0.035
38.630	0.021	38.653	0.041	38.669	0.057	38.692	0.053	43.801	0.039	43.820	0.047	43.843	0.031	43.865	0.023
38.711	0.053	38.729	0.053	38.746	0.037	38.765	0.021	43.884	0.018	43.897	0.022	43.912	0.038	43.934	0.046
38.782	0.009	38.801	-0.010	38.817	-0.003	38.832	-0.018	43.950	0.046	43.970	0.054	43.988	0.034	44.006	0.018
38.847	-0.010	38.870	-0.006	38.887	-0.013	38.901	0.013	44.024	0.005	44.039	0.001	44.056	0.005	44.075	0.013
38.920	-0.001	38.941	-0.035	38.961	-0.047	38.977	-0.078	44.097	0.025	44.114	0.021	44.136	0.028	44.155	0.024
38.997	-0.067	39.019	-0.059	39.041	-0.063	39.063	-0.063	44.171	0.012	44.188	0.031	44.204	0.020	44.222	0.024
39.084	-0.071	39.108	-0.071	39.128	-0.083	39.151	-0.083	44.242	0.024	44.260	0.031	44.277	0.031	44.293	0.035
39.200	-0.088	39.242	-0.088	39.262	-0.080	39.283	-0.076	44.380	0.043	44.398	0.046	44.414	0.017	44.433	0.038
39.313	-0.080	39.367	-0.081	39.404	-0.085	39.430	-0.085	44.450	0.021	44.464	0.029	44.476	0.033	44.495	0.024
39.456	-0.073	39.478	-0.058	39.501	-0.046	39.517	-0.030	44.516	0.020	44.537	0.016	44.557	0.016	44.578	0.019
39.538	-0.042	39.558	-0.062	39.580	-0.062	39.608	-0.062	44.595	0.031	44.612	0.015	44.631	-0.001	44.652	-0.013
39.627	-0.047	39.645	-0.039	39.665	-0.039	39.685	-0.031	44.672	-0.014	44.694	-0.002	44.713	-0.002	44.733	0.001
39.704	-0.008	39.721	-0.008	39.748	-0.008	39.773	-0.016	44.766	0.001	44.761	-0.011	44.776	-0.019	44.795	-0.027
39.804	-0.024	39.826	-0.017	39.842	-0.005	39.860	0.003	44.808	-0.039	44.821	-0.043	44.834	-0.036	44.847	-0.028
39.879	0.015	39.896	0.018	39.917	0.010	39.939	-0.002	44.859	-0.028	44.872	-0.016	44.884	-0.008	44.898	-0.020
39.951	-0.006	39.968	0.006	39.984	0.017	40.000	0.025	44.920	-0.013	44.936	-0.005	44.952	-0.009	44.969	-0.001
40.013	0.021	40.035	0.013	40.054	0.017	40.072	0.012	44.987	-0.009	45.007	-0.013	45.030	-0.033	45.052	-0.030
40.093	0.008	40.116	0.008	40.159	0.007	40.181	0.015	45.073	-0.022	45.096	-0.022	45.119	-0.018	45.139	-0.018
40.208	0.015	40.233	0.011	40.254	0.010	40.272	0.002	45.160	-0.007	45.181	-0.007	45.207	-0.019	45.233	-0.031
40.298	0.002	40.317	0.002	40.340	0.009	40.369	0.005	45.261	-0.043	45.285	-0.035	45.307	-0.035	45.327	-0.023
40.390	-0.003	40.409	-0.003	40.428	0.005	40.444	0.004	45.347	-0.007	45.368	-0.003	45.392	-0.015	45.411	-0.035
40.463	0.004	40.476	0.012	40.492	0.004	40.514	-0.016	45.431	-0.043	45.456	-0.035	45.484	-0.031	45.510	-0.024
40.540	-0.009	40.565	-0.005	40.590	0.007	40.612	0.014	45.542	-0.024	45.565	-0.012	45.590	-0.008	45.612	-0.008
40.640	0.010	40.669	0.006	40.695	0.002	40.725	0.003	45.634	-0.004	45.656	-0.000	45.676	0.012	45.700	0.020
40.757	0.001	40.781	0.013	40.802	0.028	40.818	0.036	45.726	0.012	45.791	0.027	45.791	0.035	45.815	0.035
40.832	0.044	40.846	0.020	40.867	-0.000	40.883	-0.012	45.845	0.039	45.873	0.030	45.900	0.026	45.925	0.038
40.900	-0.013	40.918	-0.005	40.938	0.019	40.961	0.046	45.957	0.046	45.979	0.049	46.004	0.057	46.024	0.049
40.984	0.062	41.002	0.074	41.019	0.070	41.037	0.050	46.040	0.045	46.071	0.041	46.095	0.033	46.117	0.021
41.058	0.030	41.078	0.038	41.097	0.038	41.116	0.026	46.140	0.005	46.160	0.008	46.172	0.004	46.189	0.024
41.139	0.029	41.154	0.037	41.177	0.049	41.205	0.057	46.208	0.024	46.226	0.012	46.243	0.007	46.261	-0.001
41.226	0.069	41.257	0.057	41.280	0.040	41.313	0.036	46.276	-0.009	46.294	-0.013	46.313	-0.001	46.328	-0.005
41.332	0.048	41.351	0.064	41.367	0.080	41.388	0.068								



46.345	-0.021	46.368	-0.030	46.388	-0.030	46.406	-0.030	51.018	0.010	51.040	0.021	51.103	0.021	51.141	0.032
46.428	-0.026	46.452	-0.015	46.473	0.001	46.491	-0.003	51.185	0.016	51.262	0.019	51.307	0.019	51.353	0.023
46.510	-0.023	46.526	-0.031	46.541	-0.048	46.559	-0.052	51.383	0.010	51.438	0.033	51.492	0.017	51.589	0.003
46.573	-0.036	46.589	-0.024	46.613	-0.021	46.634	-0.025	51.642	0.002	51.718	-0.004	51.752	-0.008	51.795	0.003
46.659	-0.034	46.682	-0.030	46.709	-0.038	46.736	-0.035	51.823	-0.002	51.863	-0.034	51.891	-0.034	51.929	-0.024
46.766	-0.051	46.792	-0.048	46.814	-0.056	46.838	-0.044	51.999	-0.025	51.855	-0.026	52.131	-0.034	52.206	-0.035
46.860	-0.037	46.883	-0.033	46.911	-0.030	46.936	-0.030	52.207	-0.019	52.334	-0.031	52.397	-0.023	52.455	-0.015
46.957	-0.046	46.982	-0.055	47.002	-0.039	47.021	-0.035	52.507	-0.015	52.557	-0.011	52.618	-0.011	52.644	-0.011
47.043	-0.032	47.067	-0.048	47.094	-0.041	47.123	-0.029	52.713	-0.008	52.797	0.004	52.926	-0.008	52.979	-0.015
47.152	-0.022	47.177	-0.026	47.213	-0.026	47.238	-0.031	53.008	-0.024	53.051	-0.025	53.089	-0.023	53.110	-0.016
47.260	-0.015	47.285	-0.004	47.309	-0.004	47.342	-0.004	53.130	-0.017	53.149	-0.013	53.173	-0.017	53.198	-0.013
47.369	0.003	47.394	0.007	47.420	0.007	47.454	0.010	53.214	-0.020	53.234	-0.012	53.253	-0.004	53.269	0.004
47.483	0.010	47.511	0.017	47.528	0.023	47.547	0.020	53.287	-0.007	53.305	0.004	53.326	-0.007	53.345	-0.003
47.575	0.024	47.593	0.020	47.614	0.024	47.636	0.027	53.364	-0.007	53.383	0.001	53.398	0.002	53.417	-0.002
47.662	0.019	47.684	0.015	47.704	0.022	47.723	0.026	53.437	-0.018	53.461	-0.014	53.481	-0.013	53.499	-0.009
47.741	0.034	47.760	0.038	47.782	0.041	47.798	0.037	53.521	-0.013	53.540	-0.011	53.559	-0.001	53.576	-0.009
47.816	0.045	47.837	0.056	47.861	0.060	47.881	0.053	53.591	-0.013	53.604	-0.013	53.617	-0.013	53.633	-0.017
47.901	0.055	47.917	0.055	47.937	0.055	47.955	0.047	53.652	-0.025	53.667	-0.029	53.685	-0.021	53.701	-0.009
48.034	0.073	48.052	0.069	48.074	0.050	48.091	0.058	53.720	-0.005	53.738	-0.013	53.756	-0.009	53.772	-0.002
48.098	0.041	48.115	0.033	48.129	0.029	48.144	0.028	53.791	0.002	53.808	0.002	53.825	-0.006	53.839	-0.006
48.158	0.036	48.175	0.040	48.191	0.044	48.206	0.039	53.857	-0.018	53.870	-0.030	53.884	-0.034	53.903	-0.026
48.225	0.031	48.244	0.031	48.260	0.031	48.275	0.023	53.918	-0.018	53.933	-0.018	53.948	-0.014	53.962	-0.010
48.290	0.026	48.308	0.010	48.326	0.002	48.342	-0.002	53.980	-0.010	53.996	-0.010	54.011	-0.011	54.025	-0.023
48.360	-0.006	48.376	-0.002	48.395	0.006	48.414	0.010	54.039	-0.023	54.052	-0.023	54.065	-0.031	54.081	-0.020
48.433	0.014	48.452	0.014	48.473	0.002	48.495	-0.003	54.100	-0.020	54.118	-0.021	54.139	-0.009	54.159	0.006
48.515	0.001	48.531	0.001	48.552	-0.007	48.575	-0.019	54.173	0.014	54.192	0.018	54.206	0.017	54.223	0.017
48.594	-0.031	48.612	-0.027	48.632	-0.023	48.653	-0.019	54.234	0.017	54.250	0.008	54.266	0.000	54.283	-0.004
48.673	-0.008	48.693	0.000	48.715	0.004	48.737	0.000	54.305	-0.009	54.316	-0.009	54.333	-0.009	54.347	0.002
48.756	-0.004	48.773	0.000	48.796	-0.016	48.823	-0.016	54.366	0.010	54.377	0.018	54.394	0.017	54.411	0.013
48.845	-0.012	48.867	-0.012	48.889	-0.016	48.906	-0.020	54.424	0.021	54.438	0.020	54.452	0.020	54.465	0.020
48.920	-0.016	48.937	-0.001	48.961	-0.001	48.988	-0.005	54.486	0.011	54.505	0.011	54.520	0.014	54.539	0.018
49.013	-0.001	49.028	-0.002	49.046	-0.002	49.068	-0.006	54.554	0.025	54.571	0.029	54.587	0.024	54.604	0.032
49.087	-0.022	49.104	-0.026	49.124	-0.019	49.145	-0.019	54.621	0.027	54.636	0.027	54.655	0.022	54.672	0.030
49.170	-0.011	49.193	-0.011	49.217	-0.020	49.239	-0.024	54.689	0.029	54.704	0.033	54.722	0.036	54.739	0.036
49.259	-0.016	49.279	-0.008	49.300	-0.025	49.318	-0.033	54.750	0.035	54.767	0.033	54.781	0.010	54.799	0.002
49.336	-0.033	49.356	-0.029	49.376	-0.022	49.392	-0.010	54.819	0.001	54.837	0.005	54.851	0.009	54.868	0.008
49.412	-0.006	49.435	-0.003	49.457	-0.011	49.476	-0.015	54.887	0.016	54.904	0.016	54.924	0.019	54.941	0.015
49.496	-0.015	49.512	-0.023	49.532	-0.020	49.555	-0.012	54.956	0.011	54.972	-0.002	54.989	-0.010	55.007	-0.014
49.571	-0.032	49.591	-0.032	49.611	-0.017	49.627	-0.013	55.025	-0.023	55.044	-0.019	55.060	-0.011	55.078	-0.004
49.644	-0.005	49.667	-0.014	49.684	-0.018	49.700	-0.022	55.113	-0.004	55.113	-0.004	55.125	0.003	55.143	0.011
49.720	-0.030	49.733	-0.046	49.755	-0.022	49.775	-0.011	55.161	0.007	55.174	-0.005	55.191	-0.013	55.210	-0.021
49.798	-0.015	49.818	-0.007	49.835	-0.019	49.856	-0.019	55.226	-0.014	55.239	-0.006	55.258	-0.010	55.270	-0.002
49.877	-0.027	49.902	-0.028	49.919	-0.024	49.939	-0.020	55.284	-0.014	55.299	-0.014	55.316	-0.010	55.334	-0.002
49.960	-0.032	49.979	-0.036	50.002	-0.025	50.016	-0.029	55.350	-0.014	55.367	-0.018	55.386	-0.018	55.409	-0.022
50.032	-0.009	50.049	-0.009	50.062	-0.005	50.079	-0.009	55.425	-0.014	55.440	-0.006	55.455	-0.006	55.473	-0.006
50.099	-0.017	50.125	0.018	50.153	-0.014	50.170	0.006	55.491	-0.010	55.508	-0.002	55.525	-0.006	55.548	0.002
50.203	0.002	50.232	0.001	50.262	0.001	50.288	-0.003	55.567	-0.006	55.593	-0.014	55.610	-0.018	55.631	-0.026
50.312	0.005	50.338	-0.004	50.374	0.004	50.400	0.004	55.653	-0.029	55.673	-0.033	55.690	-0.029	55.715	-0.029
50.427	0.011	50.451	0.003	50.475	-0.013	50.498	-0.021	55.734	-0.025	55.754	-0.025	55.770	-0.021	55.786	-0.032
50.517	-0.014	50.561	0.002	50.584	0.010	50.608	0.010	55.804	-0.036	55.833	-0.036	55.859	-0.028	55.880	-0.028
50.602	0.009	50.619	0.009	50.638	0.001	50.657	0.001	55.900	-0.024	55.925	-0.032	55.953	-0.040	55.976	-0.044
50.678	0.001	50.697	-0.011	50.717	-0.008	50.734	-0.004	56.003	-0.043	56.025	-0.051	56.049	-0.043	56.075	-0.048
50.755	0.004	50.775	0.004	50.794	-0.000	50.811	0.011	56.105	-0.044	56.126	-0.040	56.154	-0.032	56.179	-0.033
50.831	0.027	50.845	0.023	50.871	0.019	50.891	0.003	56.197	-0.029	56.220	-0.041	56.234	-0.053	56.244	-0.049
50.908	0.022	50.931	0.006	50.956	0.002	50.991	-0.006	56.264	-0.037	56.290	-0.030	56.318	-0.018	56.337	-0.006
								56.353	-0.015	56.373	-0.023	56.395	-0.028	56.412	-0.025



56.433	-0.017	56.459	-0.010	56.479	0.005	56.503	0.004	61.624	-0.002	61.644	-0.002	61.667	0.002	61.697	0.006
56.524	0.012	56.544	0.011	56.568	0.014	56.585	0.026	61.722	0.010	61.743	0.010	61.773	0.018	61.810	0.018
56.597	0.017	56.611	0.009	56.630	0.000	56.648	0.008	61.835	0.022	61.862	0.022	61.887	0.026	61.910	0.038
56.668	0.003	56.687	0.007	56.700	0.019	56.716	0.022	61.942	0.038	61.982	0.030	62.016	0.022	62.049	0.010
56.737	0.022	56.751	0.030	56.770	0.034	56.782	0.030	62.072	0.022	62.090	0.026	62.114	0.014	62.139	-0.002
56.791	0.014	56.811	0.022	56.826	0.014	56.843	0.009	62.160	0.006	62.176	0.006	62.203	0.002	62.225	-0.002
56.862	0.013	56.889	0.013	56.907	0.005	56.924	0.013	62.246	0.002	62.270	-0.002	62.301	-0.010	62.319	-0.010
56.939	0.025	56.952	0.013	56.970	0.004	56.988	0.000	62.345	-0.017	62.371	-0.021	62.389	-0.013	62.413	-0.013
57.011	0.004	57.040	0.012	57.065	0.011	57.084	0.019	62.434	-0.006	62.459	-0.010	62.483	-0.010	62.502	0.006
57.106	0.011	57.129	0.011	57.152	0.010	57.171	0.014	62.516	0.002	62.530	0.010	62.555	0.006	62.570	0.002
57.203	0.018	57.230	0.025	57.254	0.032	57.283	0.032	62.589	0.002	62.605	-0.001	62.630	-0.009	62.654	-0.009
57.303	0.019	57.326	0.007	57.348	-0.002	57.362	0.006	62.688	-0.009	62.720	-0.004	62.748	-0.023	62.773	0.004
57.381	0.017	57.406	0.021	57.434	0.020	57.463	0.015	62.808	-0.012	62.835	-0.015	62.864	-0.023	62.896	-0.019
57.486	0.019	57.508	0.014	57.530	0.010	57.552	0.010	62.932	-0.026	62.961	-0.022	62.984	-0.037	63.022	-0.049
57.569	0.005	57.591	0.001	57.614	-0.008	57.641	-0.000	63.042	-0.045	63.060	-0.040	63.081	-0.044	63.098	-0.036
57.653	0.004	57.673	-0.005	57.691	-0.005	57.710	-0.009	63.125	-0.044	63.143	-0.032	63.155	-0.028	63.169	-0.040
57.728	-0.010	57.750	-0.018	57.762	-0.030	57.776	-0.022	63.192	-0.032	63.219	-0.032	63.255	-0.032	63.290	-0.032
57.787	-0.019	57.798	-0.007	57.814	-0.007	57.832	-0.011	63.313	-0.027	63.343	-0.019	63.372	-0.019	63.397	-0.019
57.847	-0.023	57.863	-0.020	57.878	-0.016	57.894	-0.021	63.418	-0.023	63.440	-0.019	63.457	-0.019	63.479	-0.019
57.911	-0.016	57.930	-0.012	57.950	-0.016	57.969	-0.028	63.498	-0.015	63.514	-0.003	63.550	-0.003	63.577	-0.007
57.984	-0.009	58.002	-0.013	58.013	-0.001	58.026	0.003	63.609	-0.018	63.636	-0.014	63.656	-0.010	63.702	-0.005
58.047	0.007	58.067	0.006	58.087	0.006	58.110	-0.002	63.728	-0.001	63.748	0.008	63.771	0.000	63.803	-0.015
58.135	0.002	58.173	0.001	58.202	0.001	58.228	0.005	63.831	-0.015	63.868	-0.006	63.916	0.003	63.929	0.011
58.254	-0.007	58.282	-0.011	58.312	-0.011	58.339	-0.007	63.971	0.004	64.005	-0.003	64.033	0.006	64.064	0.007
58.368	-0.012	58.395	-0.016	58.416	-0.024	58.440	-0.024	64.087	-0.001	64.104	0.004	64.124	0.004	64.142	0.004
58.463	-0.036	58.484	-0.036	58.507	-0.036	58.530	-0.024	64.165	0.001	64.181	0.001	64.196	0.005	64.210	0.006
58.552	-0.025	58.576	-0.017	58.599	-0.009	58.618	-0.013	64.223	0.006	64.236	0.010	64.246	0.014	64.257	0.014
58.644	-0.017	58.667	-0.013	58.689	-0.010	58.715	-0.010	64.267	0.015	64.276	0.015	64.284	0.011	64.297	0.007
58.738	-0.006	58.760	-0.002	58.782	-0.002	58.806	-0.002	64.311	0.003	64.323	-0.000	64.334	-0.000	64.346	-0.000
58.829	-0.002	58.854	-0.003	58.880	-0.003	58.908	-0.011	64.354	-0.000	64.365	0.004	64.376	0.008	64.388	0.008
58.939	-0.011	58.968	-0.011	59.002	-0.011	59.023	-0.011	64.401	0.008	64.415	0.012	64.427	0.016	64.439	0.012
59.042	-0.019	59.063	-0.019	59.084	-0.027	59.103	-0.035	64.450	0.005	64.461	0.005	64.473	0.009	64.486	0.001
59.124	-0.035	59.144	-0.035	59.169	-0.027	59.188	-0.035	64.497	0.005	64.509	0.001	64.521	-0.003	64.536	-0.003
59.216	-0.039	59.239	-0.043	59.258	-0.059	59.277	-0.047	64.554	0.001	64.568	-0.003	64.583	0.002	64.600	0.006
59.292	-0.035	59.313	-0.027	59.344	-0.023	59.366	-0.023	64.619	0.010	64.635	0.010	64.653	0.014	64.666	0.010
59.384	-0.015	59.404	-0.039	59.423	-0.035	59.441	-0.027	64.684	0.010	64.705	0.014	64.724	0.010	64.748	0.003
59.463	-0.015	59.486	-0.011	59.504	-0.004	59.520	-0.011	64.766	0.007	64.785	0.007	64.809	0.003	64.827	0.007
59.539	-0.008	59.556	0.000	59.575	0.000	59.594	-0.004	64.844	0.011	64.859	0.015	64.881	0.011	64.901	0.007
59.609	-0.004	59.627	0.000	59.647	-0.008	59.673	-0.004	64.918	0.012	64.935	0.008	64.954	0.012	64.975	0.008
59.697	-0.015	59.717	-0.015	59.739	-0.015	59.768	-0.015	64.994	0.008	65.016	0.008	65.034	-0.004	65.053	-0.004
59.798	-0.008	59.822	-0.008	59.847	-0.004	59.867	-0.000	65.071	0.004	65.092	-0.004	65.110	0.000	65.128	0.004
60.040	-0.004	60.079	0.000	60.132	0.004	60.190	0.011	65.151	0.004	65.175	0.000	65.196	0.000	65.218	0.000
60.252	0.008	60.294	0.012	60.341	0.008	60.377	-0.004	65.239	-0.003	65.261	-0.007	65.286	-0.003	65.307	-0.007
60.420	-0.019	60.447	-0.004	60.478	-0.004	60.506	-0.008	65.329	-0.003	65.348	-0.003	65.366	-0.003	65.378	-0.003
60.540	-0.015	60.575	-0.019	60.603	-0.023	60.638	-0.019	65.396	-0.007	65.408	-0.019	65.421	-0.015	65.434	-0.019
60.665	-0.019	60.692	-0.027	60.721	-0.027	60.754	-0.027	65.450	-0.003	65.466	-0.007	65.484	-0.007	65.504	-0.007
60.787	-0.035	60.810	-0.035	60.843	-0.034	60.869	-0.034	65.523	-0.007	65.546	-0.007	65.563	-0.015	65.584	-0.018
60.885	-0.034	60.913	-0.034	60.952	-0.034	60.980	-0.030	65.610	-0.010	65.634	-0.014	65.661	-0.006	65.685	-0.002
61.015	-0.033	61.040	-0.021	61.068	-0.017	61.095	-0.020	65.711	-0.002	65.729	-0.001	65.747	-0.001	65.764	-0.013
61.133	-0.032	61.168	-0.023	61.181	-0.019	61.202	-0.011	65.787	-0.017	65.808	-0.017	65.829	-0.016	65.852	-0.012
61.221	-0.014	61.239	-0.022	61.255	-0.022	61.272	-0.018	65.868	-0.008	65.885	-0.016	65.902	-0.016	65.916	-0.016
61.293	-0.009	61.315	-0.005	61.342	0.003	61.359	-0.008	65.934	-0.016	65.950	-0.015	65.966	-0.015	65.990	-0.015
61.375	-0.006	61.394	-0.012	61.415	-0.012	61.439	-0.012	66.007	-0.011	66.028	-0.011	66.049	-0.015	66.073	-0.010
61.460	-0.003	61.480	-0.011	61.500	-0.003	61.517	-0.011	66.097	-0.006	66.121	-0.006	66.148	-0.010	66.170	-0.005
61.537	-0.007	61.557	-0.011	61.576	-0.002	61.600	-0.002	66.191	-0.013	66.213	-0.013	66.232	-0.013	66.256	-0.009
								66.278	-0.001	66.298	0.003	66.319	0.011	66.342	0.007



66.368	-0.000	66.392	-0.004	66.416	-0.004	66.437	-0.008	70.669	-0.012	70.691	-0.032	70.697	-0.024	70.720	-0.020
66.461	-0.008	66.482	0.004	66.499	0.012	66.516	0.020	70.727	-0.032	70.749	-0.039	70.769	-0.035	70.789	-0.055
66.537	0.020	66.558	0.020	66.577	0.020	66.590	0.016	70.803	-0.047	70.818	-0.039	70.829	-0.043	70.848	-0.027
66.612	0.004	66.625	0.000	66.641	0.004	66.658	0.020	70.863	-0.015	70.882	-0.015	70.898	-0.031	70.908	-0.027
66.675	0.016	66.694	0.016	66.704	0.020	66.721	0.016	70.928	-0.027	70.944	-0.047	70.962	-0.047	70.982	-0.058
66.743	0.017	66.768	0.017	66.788	0.029	66.809	0.033	70.991	-0.039	71.008	-0.042	71.020	-0.027	71.025	-0.027
66.823	0.029	66.840	0.025	66.858	0.013	66.874	0.009	71.045	-0.019	71.061	-0.015	71.065	-0.022	71.080	-0.042
66.893	0.009	66.905	0.005	66.922	0.013	66.942	0.021	71.099	-0.034	71.118	-0.038	71.140	-0.034	71.157	-0.022
66.960	0.033	66.976	0.037	66.995	0.025	67.014	0.017	71.178	-0.014	71.201	-0.049	71.211	-0.053	71.222	-0.029
67.029	0.013	67.044	0.010	67.058	0.006	67.073	0.022	71.242	-0.021	71.259	-0.025	71.280	-0.021	71.286	-0.013
67.091	0.030	67.109	0.046	67.127	0.038	67.144	0.038	71.310	-0.021	71.320	-0.025	71.340	-0.021	71.359	-0.024
67.161	0.034	67.179	0.046	67.197	0.046	67.217	0.038	71.372	-0.016	71.389	-0.024	71.407	-0.012	71.425	-0.004
67.239	0.042	67.262	0.042	67.284	0.039	67.309	0.027	71.441	-0.004	71.454	-0.008	71.464	-0.008	71.475	-0.008
67.333	0.019	67.352	0.027	67.371	0.035	67.397	0.039	71.483	-0.000	71.492	-0.000	71.509	-0.008	71.527	-0.008
67.422	0.015	67.450	0.008	67.477	-0.000	67.496	0.004	71.545	-0.012	71.567	-0.008	71.589	-0.004	71.607	-0.008
67.516	0.016	67.539	0.008	67.559	0.016	67.583	0.016	71.625	-0.004	71.642	0.000	71.660	0.000	71.678	-0.004
67.604	0.004	67.628	0.000	67.651	-0.008	67.674	-0.008	71.690	-0.012	71.715	0.000	71.732	0.008	71.746	0.016
67.699	-0.008	67.722	-0.012	67.743	-0.019	67.766	-0.019	71.756	0.020	71.771	0.012	71.789	0.000	71.802	-0.004
67.786	-0.008	67.803	0.000	67.822	0.004	67.842	0.000	71.825	-0.000	71.848	0.004	71.877	-0.000	71.905	-0.000
67.860	-0.004	67.881	-0.008	67.897	-0.008	67.913	-0.008	71.929	-0.000	71.953	0.012	71.970	0.004	71.988	-0.004
67.935	-0.011	67.947	-0.011	67.962	0.000	67.971	0.004	72.007	-0.000	72.029	-0.016	72.056	-0.013	72.078	-0.001
67.987	-0.015	68.008	-0.027	68.020	-0.023	68.037	-0.011	72.103	-0.001	72.128	-0.009	72.144	-0.001	72.171	-0.003
68.057	-0.011	68.074	0.000	68.087	-0.008	68.106	-0.015	72.188	-0.011	72.211	0.003	72.235	-0.006	72.257	-0.002
68.122	-0.019	68.143	-0.027	68.161	-0.023	68.176	-0.015	72.281	0.010	72.301	0.010	72.329	0.002	72.362	0.006
68.192	-0.015	68.207	-0.008	68.228	-0.015	68.245	-0.015	72.375	0.010	72.393	0.013	72.403	0.017	72.425	0.005
68.264	-0.023	68.284	-0.011	68.303	-0.015	68.325	-0.027	72.439	0.001	72.458	0.001	72.480	0.001	72.497	0.001
68.345	-0.039	68.363	-0.035	68.390	-0.039	68.409	-0.027	72.520	0.009	72.543	0.021	72.563	0.009	72.573	0.005
68.423	-0.015	68.435	-0.011	68.454	-0.031	68.474	-0.039	72.595	0.005	72.610	0.005	72.624	0.005	72.642	0.005
68.496	-0.035	68.515	-0.019	68.533	-0.023	68.551	-0.019	72.659	0.013	72.682	0.017	72.715	0.013	72.745	0.009
68.572	-0.027	68.594	-0.039	68.611	-0.039	68.630	-0.043	72.772	0.012	72.800	0.016	72.824	0.016	72.841	0.024
68.649	-0.027	68.669	-0.011	68.685	-0.004	68.700	-0.008	72.860	0.012	72.881	0.012	72.901	0.016	72.910	0.020
68.716	-0.019	68.738	-0.023	68.758	-0.027	68.780	-0.031	72.926	0.020	72.933	0.024	72.947	0.012	72.964	0.000
68.796	-0.008	68.809	-0.008	68.831	-0.019	68.850	-0.027	72.976	0.000	72.991	0.004	73.015	0.004	73.027	0.012
68.873	-0.027	68.893	-0.019	68.912	-0.015	68.927	-0.019	73.049	0.012	73.068	0.008	73.084	0.012	73.098	0.008
68.944	-0.027	68.972	-0.039	68.994	-0.031	69.024	-0.047	73.112	0.012	73.131	0.012	73.151	0.008	73.175	0.016
69.049	-0.043	69.070	-0.023	69.087	-0.015	69.100	-0.023	73.194	0.008	73.219	-0.008	73.246	-0.008	73.261	-0.004
69.117	-0.027	69.137	-0.043	69.156	-0.043	69.173	-0.035	73.283	0.004	73.296	0.000	73.316	0.000	73.346	-0.008
69.190	-0.030	69.206	-0.014	69.219	-0.002	69.231	-0.006	73.371	-0.008	73.395	-0.011	73.414	0.000	73.431	0.000
69.245	-0.006	69.258	-0.006	69.277	-0.010	69.293	-0.010	73.454	-0.008	73.471	-0.011	73.493	-0.019	73.506	-0.031
69.308	-0.026	69.324	-0.030	69.340	-0.014	69.351	-0.006	73.522	-0.027	73.537	-0.023	73.554	-0.027	73.570	-0.019
69.364	0.002	69.380	0.002	69.395	0.002	69.410	0.003	73.587	-0.008	73.614	-0.008	73.633	-0.008	73.647	-0.019
69.431	0.003	69.450	0.003	69.473	0.008	69.494	0.008	73.652	-0.019	73.680	-0.015	73.769	-0.023	73.814	-0.015
69.523	0.008	69.537	0.017	69.559	0.029	69.574	0.021	73.852	-0.007	73.876	-0.011	73.908	-0.007	73.938	-0.015
69.593	0.014	69.623	0.010	69.657	0.011	69.693	0.011	73.968	-0.030	74.005	-0.022	74.034	-0.014	74.065	-0.002
69.715	0.012	69.763	-0.004	69.786	-0.003	69.805	0.009	74.098	-0.014	74.133	-0.025	74.176	-0.021	74.204	-0.017
69.824	0.010	69.847	0.010	69.873	0.019	69.891	0.035	74.221	-0.001	74.248	0.004	74.265	-0.000	74.287	-0.004
69.906	0.023	69.930	0.016	69.954	0.013	69.974	0.017	74.359	-0.010	74.374	-0.006	74.419	-0.004	74.456	-0.002
69.996	0.021	70.023	0.030	70.047	0.046	70.066	0.047	74.500	-0.012	74.538	-0.002	74.590	-0.004	74.632	0.002
70.078	0.035	70.100	0.024	70.126	0.024	70.146	0.037	74.667	0.019	74.704	0.031	74.753	-0.004	74.779	-0.016
70.168	0.041	70.186	0.037	70.205	0.034	70.228	0.022	74.809	0.000	74.857	0.012	74.915	0.008	74.956	0.008
70.249	0.003	70.269	0.007	70.289	0.019	70.305	0.031	75.006	0.008	75.067	0.007	75.098	0.006	75.133	0.013
70.323	0.020	70.341	0.004	70.358	0.009	70.372	-0.007	75.163	-0.013	75.211	-0.019	75.251	-0.007	75.300	-0.011
70.391	0.005	70.404	0.025	70.422	0.018	70.442	0.018	75.353	0.009	75.401	0.019	75.464	0.016	75.524	0.008
70.462	0.010	70.480	-0.001	70.493	-0.013	70.511	-0.001	75.544	0.024	75.572	0.032	75.627	0.012	75.672	0.016
70.528	-0.013	70.544	-0.025	70.561	-0.029	70.580	-0.021	75.717	0.016	75.781	0.036	75.812	0.020	75.854	0.020
70.603	-0.020	70.625	-0.008	70.641	-0.004	70.657	0.004	75.906	0.023	75.947	0.034	75.985	0.030	76.012	0.021



76.061	0.011	76.086	0.018	76.145	0.019	76.177	0.037
76.234	0.021	76.277	0.002	76.307	0.014	76.366	0.005
76.385	0.027	76.406	0.035	76.437	0.010	76.484	-0.007
76.545	0.012	76.570	0.011	76.603	0.015	76.648	0.003
76.712	-0.008	76.768	-0.003	76.832	-0.005	76.870	-0.012
76.914	-0.004	76.969	0.007	76.989	0.014	77.011	0.026
77.069	-0.007	77.105	-0.004	77.136	0.011	77.188	-0.006
77.258	-0.003	77.301	-0.015	77.334	0.020	77.347	0.012
77.381	0.000	77.406	-0.011	77.452	0.008	77.491	-0.008
77.514	-0.004	77.549	0.012	77.589	0.012	77.627	-0.011
77.687	-0.004	77.728	0.000	77.780	0.004	77.824	-0.004
77.880	0.004	77.933	0.019	77.975	0.035	78.007	0.010
78.054	0.025	78.119	0.025	78.175	0.040	78.221	0.032
78.288	0.028	78.359	0.039	78.409	0.026	78.465	0.020
78.524	0.014	78.574	-0.003	78.630	0.003	78.672	0.014
78.729	0.005	78.795	0.008	78.837	-0.004	78.891	0.000
78.949	-0.007	79.002	-0.015	79.044	-0.010	79.092	-0.001
79.114	0.008	79.154	-0.010	79.202	-0.012	79.230	0.005
79.276	0.002	79.301	-0.001	79.337	0.015	79.389	0.004
79.433	0.016	79.490	0.007	79.523	0.011	79.566	0.014
79.602	0.014	79.641	0.013	79.674	-0.008	79.720	0.003
79.746	0.018	79.782	0.002	79.814	0.001	79.859	0.000
79.879	0.008	79.922	-0.028	79.950	-0.009	79.982	0.007
80.039	0.018	80.088	0.005	80.155	-0.003	80.216	0.013
80.271	0.012	80.311	0.017	80.372	-0.003	80.409	0.005
80.442	0.013	80.497	-0.011	80.522	-0.003	80.577	0.005
80.626	0.008	80.670	0.007	80.724	0.009	80.774	0.015
80.814	0.026	80.882	0.015	80.937	0.014	80.994	0.013
81.033	0.025	81.064	0.012	81.122	0.012	81.164	0.016
81.208	0.012	81.255	0.016	81.317	0.008	81.380	0.015
81.431	-0.002	81.507	0.005	81.608	0.006	81.704	0.015
81.739	0.007	81.787	0.008	81.840	0.016	81.884	0.024
81.943	0.012	82.014	0.004	82.072	0.004	82.117	0.000
82.179	0.000	82.205	-0.004	82.241	-0.011	82.312	-0.008
82.373	-0.012	82.440	-0.012	82.537	-0.013	82.594	-0.017
82.629	-0.002	82.672	-0.006	82.719	0.001	82.778	-0.007
82.828	-0.003	82.894	-0.003	82.943	-0.003	82.992	0.001
83.056	0.006	83.133	0.003	83.195	0.007	83.224	0.008
83.274	-0.004	83.339	0.000	83.411	0.001	83.417	0.017
83.427	0.033	83.459	0.021	83.493	0.005	83.521	-0.022
83.548	-0.006	83.571	0.014	83.593	0.030	83.627	0.019
83.655	-0.001	83.731	-0.000	83.785	0.020	83.835	0.012
83.874	0.004	83.910	0.008	83.955	0.012	84.001	0.008
84.026	0.008	84.063	0.000	84.104	0.004	84.133	0.016
84.174	0.020	84.213	-0.000	84.261	-0.004	84.322	-0.005
84.369	0.011	84.428	0.006	84.483	-0.014	84.534	-0.007
84.579	0.009	84.621	-0.004	84.693	-0.008	84.746	-0.009
84.805	0.006	84.895	0.002	84.931	0.001	84.999	0.021
85.043	0.013	85.122	0.020	85.175	0.021	85.254	0.021
85.368	0.022	85.432	0.022	85.468	0.018		



3610 PCINTS 45.684 SECCNDS

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 0.1518 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.026	0.014	-0.031	0.028	-0.035	0.038	-0.035	1.651	-0.034	1.671	-0.034	1.688	-0.029	1.659	-0.019
0.044	-0.031	0.054	-0.049	0.062	-0.059	0.076	-0.049	1.710	0.024	1.718	0.024	1.723	0.104	1.734	0.029
0.086	-0.030	0.094	-0.030	0.107	-0.035	0.119	-0.035	1.743	-0.080	1.750	-0.118	1.759	-0.086	1.768	-0.056
0.132	-0.035	0.143	-0.049	0.155	-0.039	0.172	-0.034	1.771	-0.089	1.779	-0.108	1.789	-0.037	1.796	-0.034
0.184	-0.034	0.192	-0.029	0.202	-0.039	0.212	-0.058	1.801	0.048	1.809	0.066	1.818	-0.042	1.829	-0.023
0.224	-0.048	0.238	-0.034	0.251	-0.024	0.260	0.009	1.839	0.001	1.847	-0.041	1.854	-0.079	1.867	-0.013
0.266	-0.009	0.277	-0.001	0.285	-0.015	0.298	-0.015	1.872	0.000	1.878	0.015	1.886	-0.032	1.908	-0.055
0.308	-0.033	0.313	-0.052	0.321	-0.076	0.333	-0.057	1.917	-0.121	1.926	-0.164	1.931	-0.121	1.941	-0.055
0.341	-0.047	0.349	-0.066	0.361	-0.071	0.374	-0.066	1.948	0.011	1.955	0.025	1.965	0.011	1.977	0.025
0.386	-0.042	0.395	-0.028	0.401	-0.009	0.408	-0.018	1.984	0.039	1.993	0.066	2.004	-0.017	2.018	-0.013
0.420	-0.028	0.433	-0.037	0.442	-0.028	0.451	-0.018	2.027	-0.069	2.039	-0.107	2.048	-0.069	2.054	-0.021
0.460	-0.032	0.468	-0.061	0.476	-0.075	0.486	-0.046	2.059	0.030	2.066	0.016	2.074	-0.027	2.082	-0.069
0.457	-0.023	0.51C	-0.027	0.522	-0.030	0.530	-0.013	2.099	0.016	2.109	0.002	2.115	-0.041	2.124	0.139
0.539	-0.020	0.545	-0.039	0.558	-0.030	0.570	0.006	2.131	0.096	2.141	0.002	2.148	-0.041	2.165	0.035
0.582	-0.036	0.587	-0.079	0.598	-0.055	0.614	-0.045	2.174	0.063	2.188	0.064	2.157	0.045	2.209	-0.055
0.627	-0.045	0.635	-0.059	0.642	-0.036	0.652	-0.022	2.224	-0.092	2.239	-0.130	2.245	-0.149	2.261	-0.106
0.660	-0.036	0.670	-0.050	0.678	-0.040	0.685	-0.026	2.271	-0.040	2.278	0.007	2.286	-0.012	2.297	-0.069
0.694	-0.05C	0.700	-0.068	0.710	-0.045	0.721	-0.030	2.307	-0.067	2.315	-0.087	2.327	-0.035	2.336	-0.021
0.731	-0.040	0.741	-0.025	0.748	-0.026	0.755	0.003	2.353	-0.012	2.363	-0.012	2.371	-0.045	2.379	-0.059
0.767	-0.025	0.778	-0.082	0.786	-0.106	0.791	-0.115	2.389	-0.026	2.402	0.036	2.411	-0.050	2.420	0.088
0.801	-0.068	0.808	-0.025	0.814	0.003	0.825	-0.016	2.427	0.130	2.431	0.140	2.439	0.097	2.451	-0.007
0.842	-0.025	0.855	-0.048	0.867	-0.058	0.878	0.048	2.469	0.040	2.489	-0.078	2.507	-0.083	2.517	-0.116
0.889	-0.029	0.906	-0.029	0.918	-0.028	0.926	-0.047	2.534	-0.035	2.541	0.007	2.548	0.031	2.557	-0.007
0.935	-0.080	0.947	-0.047	0.958	-0.010	0.967	0.034	2.569	-0.007	2.584	0.007	2.598	0.026	2.610	0.012
0.976	-0.024	0.988	-0.001	1.007	-0.018	1.024	-0.018	2.622	-0.016	2.632	-0.040	2.643	-0.040	2.657	-0.002
1.037	-0.032	1.044	-0.065	1.059	-0.060	1.068	-0.078	2.668	0.031	2.677	0.012	2.689	-0.026	2.701	-0.050
1.075	-0.092	1.091	-0.045	1.110	0.012	1.116	0.026	2.716	-0.035	2.725	-0.050	2.731	-0.017	2.741	-0.007
1.125	-0.041	1.136	-0.011	1.149	-0.063	1.164	0.110	2.776	-0.035	2.785	-0.012	2.785	-0.012	2.790	0.017
1.176	-0.0119	1.187	-0.058	1.197	0.023	1.210	0.047	2.796	0.026	2.805	-0.012	2.814	-0.068	2.821	-0.092
1.229	-0.047	1.238	0.038	1.246	-0.010	1.252	-0.038	2.833	-0.035	2.843	0.050	2.849	0.078	2.862	0.064
1.259	-0.014	1.267	0.010	1.276	-0.019	1.308	-0.065	2.877	0.064	2.881	0.064	2.898	0.083	2.906	0.121
1.288	-0.0113	1.298	-0.075	1.337	-0.037	1.316	-0.065	2.912	0.130	2.918	0.111	2.927	-0.002	2.935	-0.092
1.322	-0.094	1.322	-0.108	1.357	-0.036	1.372	-0.003	2.947	-0.083	2.957	-0.068	2.965	-0.111	2.976	-0.135
1.382	-0.011	1.394	-0.008	1.403	-0.041	1.409	-0.055	2.984	-0.039	2.994	-0.154	3.010	-0.111	3.022	-0.078
1.419	-0.045	1.424	-0.026	1.430	-0.050	1.441	-0.097	3.034	-0.026	3.051	0.026	3.061	0.021	3.066	0.026
1.453	-0.012	1.459	0.045	1.466	0.069	1.475	0.050	3.080	-0.007	3.089	0.026	3.098	0.059	3.103	0.059
1.465	-0.003	1.495	-0.035	1.508	-0.016	1.523	0.027	3.115	0.012	3.127	0.021	3.137	0.031	3.147	0.002
1.533	0.012	1.545	-0.044	1.550	-0.058	1.563	-0.001	3.159	-0.040	3.174	0.026	3.190	0.007	3.203	0.017
1.574	0.032	1.582	0.013	1.591	-0.015	1.607	-0.010	3.215	-0.002	3.234	0.002	3.246	0.012	3.254	-0.035
1.616	-0.034	1.626	-0.086	1.632	-0.110	1.644	-0.057	3.259	-0.068	3.267	-0.057	3.276	-0.050	3.288	-0.012



3.301	-0.002	3.314	-0.016	3.330	0.017	3.345	0.036	5.515	0.054	5.530	-0.021	5.537	-0.059	5.545	-0.102
3.361	0.045	3.370	0.012	3.377	-0.017	3.389	0.026	5.550	-0.078	5.555	-0.054	5.562	-0.026	5.565	-0.054
3.406	0.026	3.418	0.026	3.425	0.012	3.437	-0.026	5.571	-0.064	5.574	-0.083	5.583	-0.035	5.592	-0.012
3.450	-0.036	3.460	-0.041	3.472	-0.008	3.483	-0.031	5.555	0.036	5.611	0.017	5.639	0.017	5.645	0.017
3.457	-0.036	3.506	-0.069	3.513	-0.117	3.534	-0.107	5.650	-0.050	5.655	-0.116	5.663	-0.064	5.668	0.007
3.550	-0.055	3.563	0.016	3.572	-0.008	3.583	-0.036	5.672	0.078	5.686	0.102	5.656	0.054	5.704	-0.012
3.600	0.025	3.612	0.001	3.632	0.025	3.651	-0.008	5.714	-0.021	5.727	0.017	5.738	0.017	5.749	0.017
3.665	0.001	3.677	-0.023	3.694	0.024	3.714	-0.003	5.756	0.069	5.768	0.073	5.782	0.064	5.789	0.130
3.726	-0.023	3.739	0.020	3.757	-0.066	3.772	-0.080	5.795	0.173	5.808	0.158	5.820	0.106	5.831	0.088
3.782	-0.099	3.804	-0.033	3.821	-0.042	3.837	-0.061	5.847	0.059	5.855	-0.067	5.858	-0.059	5.865	-0.121
3.851	0.019	3.862	0.047	3.874	-0.038	3.891	-0.156	5.873	-0.215	5.885	-0.243	5.892	-0.243	5.893	-0.243
3.906	-0.095	3.927	-0.043	3.945	-0.015	3.964	-0.015	5.894	-0.243	5.901	-0.225	5.909	-0.187	5.913	-0.125
3.966	-0.001	3.997	0.003	4.009	-0.053	4.009	-0.053	5.921	-0.097	5.930	-0.059	5.942	-0.059	5.948	-0.031
4.014	-0.068	4.018	-0.077	4.023	-0.063	4.029	-0.025	5.952	-0.003	5.958	0.016	5.964	-0.017	5.967	-0.040
4.032	0.003	4.034	0.027	4.041	0.046	4.044	0.083	5.973	-0.064	5.979	-0.055	5.985	-0.012	5.994	0.016
4.050	0.102	4.056	0.112	4.065	0.116	4.072	0.107	6.000	0.059	6.009	0.144	6.018	0.182	6.032	0.371
4.077	0.092	4.083	0.064	4.088	0.045	4.091	0.045	6.023	0.253	6.026	0.305	6.029	0.342	6.032	0.371
4.099	0.040	4.107	0.040	4.120	0.040	4.127	0.031	6.037	0.375	6.042	0.385	6.047	0.366	6.052	0.328
4.129	0.012	4.137	0.012	4.145	0.021	4.156	0.044	6.059	0.290	6.065	0.224	6.070	0.153	6.075	0.082
4.163	0.054	4.168	0.011	4.177	-0.008	4.185	-0.017	6.078	0.035	6.083	-0.026	6.086	-0.074	6.095	-0.112
4.156	-0.036	4.203	-0.051	4.209	-0.084	4.215	-0.126	6.121	-0.145	6.121	-0.145	6.133	-0.079	6.137	-0.036
4.218	-0.155	4.227	-0.178	4.233	-0.155	4.238	-0.155	6.142	0.044	6.147	0.148	6.152	0.214	6.155	0.281
4.247	-0.117	4.253	-0.065	4.257	-0.032	4.263	-0.013	6.162	0.337	6.170	0.337	6.182	0.290	6.185	0.233
4.270	-0.042	4.274	-0.080	4.275	-0.080	4.281	-0.094	6.204	0.195	6.215	0.129	6.225	0.072	6.238	0.054
4.288	-0.066	4.295	-0.018	4.305	0.010	4.315	0.000	6.240	0.054	6.249	0.087	6.258	0.157	6.261	0.224
4.325	-0.028	4.329	-0.038	4.329	-0.038	4.345	-0.057	6.265	0.290	6.271	0.370	6.282	0.356	6.287	0.276
4.345	-0.085	4.362	-0.099	4.367	-0.052	4.373	-0.010	6.285	0.190	6.301	0.096	6.313	0.038	6.340	0.015
4.378	0.042	4.388	0.042	4.401	0.019	4.412	0.042	6.358	-0.041	6.384	-0.131	6.394	-0.212	6.408	-0.349
4.426	0.061	4.434	0.099	4.448	0.118	4.460	0.089	6.416	-0.453	6.423	-0.581	6.429	-0.713	6.437	-0.758
4.467	0.033	4.475	0.018	4.482	0.061	4.490	0.094	6.445	-0.931	6.453	-0.978	6.463	-0.912	6.468	-0.770
4.499	0.094	4.499	0.094	4.512	0.065	4.520	0.065	6.470	-0.718	6.472	-0.628	6.475	-0.543	6.477	-0.411
4.518	0.009	4.522	-0.001	4.524	-0.020	4.531	-0.043	6.480	-0.302	6.482	-0.170	6.488	0.020	6.491	0.109
4.561	-0.029	4.565	0.004	4.581	-0.010	4.591	-0.020	6.498	-0.157	6.504	0.152	6.512	0.062	6.518	-0.033
4.601	-0.011	4.615	-0.025	4.633	-0.049	4.648	-0.077	6.519	-0.113	6.522	-0.208	6.530	-0.326	6.535	-0.401
4.663	-0.091	4.664	-0.091	4.681	-0.025	4.698	0.013	6.544	-0.402	6.548	-0.340	6.549	-0.250	6.555	-0.136
4.719	-0.011	4.723	-0.082	4.735	-0.125	4.748	-0.044	6.557	-0.085	6.559	0.071	6.561	0.147	6.565	0.251
4.760	-0.016	4.775	0.003	4.788	0.026	4.798	0.064	6.568	0.331	6.572	0.353	6.576	0.445	6.583	0.459
4.811	0.045	4.830	-0.012	4.848	-0.083	4.870	-0.059	6.591	0.392	6.597	0.293	6.601	0.203	6.606	0.028
4.885	0.017	4.895	0.054	4.904	0.083	4.922	0.088	6.608	-0.076	6.610	-0.184	6.616	-0.284	6.618	-0.317
4.936	0.073	4.947	0.007	4.955	-0.045	4.964	-0.073	6.630	-0.303	6.635	-0.236	6.644	-0.189	6.650	-0.147
4.981	-0.054	4.997	-0.012	5.012	0.012	5.013	0.012	6.655	-0.066	6.659	0.014	6.659	0.099	6.664	0.203
5.021	0.040	5.031	0.017	5.039	-0.031	5.044	-0.031	6.668	0.326	6.675	0.364	6.688	0.288	6.691	0.241
5.047	-0.026	5.054	-0.045	5.061	-0.078	5.064	-0.120	6.697	0.123	6.700	0.023	6.703	-0.062	6.705	-0.147
5.089	-0.168	5.073	-0.172	5.083	-0.172	5.083	-0.172	6.708	-0.147	6.709	-0.147	6.712	-0.048	6.718	-0.156
5.067	-0.163	5.073	-0.130	5.086	-0.092	5.100	-0.073	6.723	-0.090	6.726	-0.048	6.727	-0.005	6.730	0.070
5.103	-0.007	5.113	0.012	5.124	0.031	5.131	0.054	6.732	0.118	6.736	0.155	6.740	0.179	6.743	0.174
5.138	-0.073	5.146	0.054	5.147	0.054	5.155	0.118	6.751	0.118	6.754	0.105	6.758	-0.105	6.761	-0.143
5.168	-0.012	5.173	-0.021	5.189	-0.021	5.202	0.017	6.769	-0.157	6.773	-0.128	6.778	-0.039	6.780	0.018
5.216	0.017	5.225	0.002	5.233	-0.007	5.243	-0.012	6.789	0.113	6.793	0.188	6.786	0.250	6.802	0.595
5.248	-0.021	5.256	-0.031	5.262	-0.002	5.269	0.021	6.819	0.504	6.840	0.618	6.853	0.613	6.861	0.505
5.277	0.026	5.294	0.007	5.315	0.021	5.335	0.140	6.865	0.415	6.865	0.306	6.872	0.230	6.883	0.183
5.333	0.040	5.337	0.069	5.344	0.116	5.354	0.140	6.903	0.112	6.911	0.013	6.918	-0.044	6.923	-0.119
5.361	0.073	5.366	0.012	5.381	-0.035	5.400	-0.035	6.930	-0.143	6.936	-0.138	6.937	-0.138	6.954	-0.044
5.409	-0.064	5.424	-0.064	5.432	-0.007	5.446	0.069	6.965	0.055	6.972	0.112	6.984	0.107	6.995	0.032
5.447	0.111	5.450	0.121	5.459	0.083	5.465	0.007	7.000	-0.143	7.001	-0.143	7.004	-0.191	7.008	-0.280
5.474	-0.050	5.490	-0.031	5.503	0.002	5.509	0.045								



7.014	-0.370	7.025	-0.427	7.036	-0.389	7.039	-0.384	8.489	-0.060	8.495	-0.070	8.501	-0.023	8.507	0.053
7.046	-0.247	7.051	-0.120	7.053	-0.035	7.058	0.041	8.508	0.053	8.516	0.147	8.525	0.105	8.531	0.020
7.063	0.107	7.068	0.154	7.075	0.187	7.078	0.211	8.542	-0.004	8.552	-0.070	8.563	-0.127	8.571	-0.170
7.087	0.235	7.099	0.187	7.102	0.154	7.110	0.098	8.574	-0.154	8.582	-0.151	8.593	-0.028	8.601	0.095
7.122	-0.006	7.128	-0.030	7.146	-0.007	7.160	0.031	8.608	0.236	8.615	0.331	8.628	0.477	8.632	0.558
7.169	0.057	7.181	0.192	7.190	0.286	7.203	0.272	8.638	0.595	8.646	0.555	8.660	0.548	8.680	0.534
7.208	0.173	7.211	0.126	7.215	0.012	7.217	-0.049	8.690	0.456	8.699	0.472	8.715	0.495	8.724	0.533
7.223	-0.106	7.229	-0.078	7.234	-0.016	7.237	0.064	8.733	0.542	8.745	0.519	8.751	0.481	8.758	0.377
7.240	0.154	7.245	0.215	7.249	0.319	7.250	0.376	8.758	0.315	8.763	0.244	8.773	0.112	8.781	-0.039
7.256	0.433	7.263	0.461	7.276	0.386	7.284	0.324	8.791	-0.205	8.800	-0.369	8.809	-0.560	8.813	-0.692
7.289	0.201	7.292	0.107	7.298	-0.031	7.301	-0.149	8.824	-0.829	8.837	-0.971	8.845	-1.066	8.858	-1.175
7.307	-0.210	7.319	-0.243	7.344	-0.206	7.353	-0.168	8.871	-1.154	8.878	-1.154	8.892	-1.034	8.923	-0.760
7.354	-0.168	7.358	-0.078	7.360	-0.031	7.361	0.035	8.905	-0.920	8.910	-0.840	8.916	-0.769	8.923	-0.643
7.364	0.092	7.367	0.149	7.369	0.225	7.374	0.347	8.929	-0.774	8.947	-0.817	8.964	-0.784	8.981	-0.798
7.385	0.395	7.399	0.357	7.405	0.295	7.411	0.201	8.993	-0.860	9.001	-0.974	9.010	-0.974	9.017	-0.889
7.415	0.087	7.416	0.021	7.420	-0.093	7.423	-0.197	9.019	-0.827	9.027	-0.752	9.034	-0.643	9.038	-0.586
7.426	-0.268	7.430	-0.428	7.433	-0.485	7.441	-0.547	9.046	-0.412	9.053	-0.346	9.058	-0.251	9.061	-0.171
7.449	-0.599	7.456	-0.585	7.459	-0.533	7.463	-0.452	9.064	-0.067	9.066	0.014	9.069	0.103	9.073	0.169
7.466	-0.367	7.473	-0.310	7.479	-0.230	7.489	-0.173	9.077	0.236	9.082	0.259	9.088	0.217	9.093	0.169
7.500	-0.117	7.505	-0.117	7.511	0.006	7.519	0.110	9.097	0.103	9.102	0.041	9.103	-0.044	9.107	-0.072
7.525	0.252	7.532	0.323	7.543	0.337	7.551	0.289	9.109	-0.105	9.112	-0.124	9.115	-0.143	9.116	-0.143
7.552	0.289	7.558	0.162	7.562	0.062	7.567	0.001	9.126	-0.101	9.132	-0.039	9.137	0.031	9.145	0.083
7.576	-0.080	7.591	-0.089	7.606	-0.051	7.618	-0.094	9.157	0.107	9.171	0.102	9.179	0.073	9.185	0.040
7.621	-0.141	7.627	-0.212	7.638	-0.203	7.645	-0.127	9.189	-0.045	9.190	-0.045	9.192	-0.057	9.195	-0.158
7.648	-0.066	7.653	0.081	7.660	0.166	7.668	0.232	9.198	-0.211	9.200	-0.248	9.205	-0.310	9.209	-0.305
7.675	0.222	7.686	0.151	7.687	0.151	7.693	0.028	9.219	-0.258	9.224	-0.140	9.238	-0.150	9.245	-0.235
7.699	-0.047	7.707	-0.118	7.711	-0.194	7.723	-0.170	9.251	-0.377	9.255	-0.523	9.265	-0.585	9.273	-0.680
7.737	-0.414	7.747	-0.137	7.752	-0.227	7.755	-0.289	9.280	-0.760	9.283	-0.760	9.290	-0.713	9.293	-0.666
7.764	-0.421	7.769	-0.487	7.771	-0.530	7.776	-0.540	9.284	-0.581	9.304	-0.467	9.312	-0.397	9.322	-0.378
7.786	-0.473	7.789	-0.384	7.791	-0.289	7.794	-0.195	9.334	-0.364	9.339	-0.350	9.348	-0.250	9.350	-0.241
7.797	-0.062	7.802	0.028	7.806	0.160	7.812	0.217	9.365	-0.010	9.374	0.127	9.387	0.250	9.397	0.420
7.822	0.131	7.830	-0.001	7.842	-0.034	7.860	-0.049	9.410	0.538	9.422	0.605	9.427	0.675	9.434	0.699
7.867	0.032	7.872	0.112	7.878	0.183	7.880	0.292	9.443	0.708	9.448	0.642	9.454	0.523	9.455	0.448
7.884	0.344	7.893	0.381	7.893	0.381	7.894	0.381	9.460	0.311	9.466	0.121	9.472	-0.021	9.477	-0.068
7.901	0.329	7.906	0.263	7.911	0.173	7.917	0.116	9.483	0.027	9.487	0.140	9.493	0.343	9.497	0.438
7.920	0.045	7.923	0.007	7.926	-0.068	7.930	-0.116	9.502	0.485	9.508	0.508	9.515	0.489	9.526	0.357
7.936	-0.257	7.941	-0.343	7.941	-0.428	7.947	-0.522	9.532	0.253	9.538	0.125	9.548	0.063	9.560	0.073
7.953	-0.541	7.956	-0.560	7.963	-0.560	7.968	-0.395	9.568	0.177	9.571	0.214	9.574	0.323	9.579	0.488
7.971	-0.296	7.972	-0.187	7.974	-0.088	7.977	0.035	9.585	0.625	9.593	0.753	9.600	0.819	9.605	0.880
7.983	0.149	7.989	0.253	7.998	0.323	8.007	0.290	9.613	0.904	9.616	0.880	9.625	0.823	9.630	0.738
8.013	0.210	8.022	0.106	8.025	-0.032	8.031	-0.197	9.636	0.667	9.639	0.554	9.645	0.459	9.649	0.355
8.036	-0.296	8.041	-0.372	8.050	-0.490	8.058	-0.519	9.653	0.270	9.658	0.133	9.659	0.019	9.664	-0.094
8.065	-0.533	8.073	-0.443	8.081	-0.368	8.089	-0.269	9.671	-0.231	9.680	-0.321	9.685	-0.350	9.686	-0.350
8.103	-0.141	8.118	-0.009	8.133	0.114	8.147	0.194	9.691	-0.331	9.697	-0.227	9.703	-0.166	9.704	-0.166
8.155	0.217	8.172	0.080	8.178	-0.048	8.182	-0.232	9.706	-0.014	9.711	0.075	9.713	0.156	9.715	0.245
8.187	-0.397	8.193	-0.473	8.196	-0.625	8.204	-0.667	9.718	0.340	9.721	0.451	9.724	0.609	9.727	0.727
8.209	-0.686	8.215	-0.611	8.223	-0.507	8.228	-0.374	9.730	0.808	9.735	0.883	9.747	0.926	9.758	0.822
8.235	-0.241	8.241	-0.110	8.245	0.051	8.253	0.117	9.771	0.632	9.776	0.419	9.783	0.157	9.786	0.018
8.259	0.188	8.262	0.230	8.269	0.287	8.271	0.278	9.792	-0.186	9.800	-0.309	9.806	-0.356	9.809	-0.352
8.280	0.225	8.289	0.154	8.297	0.112	8.307	0.192	9.818	-0.243	9.821	-0.158	9.827	-0.045	9.832	0.057
8.310	0.249	8.316	0.390	8.322	0.504	8.327	0.617	9.837	0.225	9.850	0.173	9.853	0.087	9.859	0.050
8.337	0.778	8.346	0.924	8.356	1.033	8.366	1.127	9.860	-0.215	9.865	-0.338	9.868	-0.471	9.878	-0.750
8.371	1.179	8.381	1.208	8.389	1.208	8.397	1.174	9.888	-0.887	9.902	-0.840	9.907	-0.679	9.910	-0.504
8.400	1.165	8.406	1.004	8.410	0.872	8.414	0.796	9.915	-0.315	9.919	-0.053	9.925	0.148	9.928	0.285
8.420	0.749	8.438	0.645	8.444	0.565	8.447	0.479	9.935	0.384	9.945	0.393	9.961	0.303	9.967	0.318
8.459	0.323	8.462	0.205	8.476	0.034	8.484	-0.013	9.980	0.417	9.995	0.468	10.003	0.454	10.017	0.345



10.022	0.161	10.030	0.019	10.039	-0.166	10.045	-0.275	11.901	0.332	11.913	0.275	11.924	0.199	11.931	0.152
10.063	-0.237	10.071	-0.143	10.075	0.013	10.081	0.094	11.939	0.133	11.950	0.166	11.957	0.190	11.967	0.218
10.086	0.245	10.090	0.415	10.101	0.699	10.108	0.788	11.978	0.161	11.958	-0.056	12.001	-0.056	12.007	-0.108
10.120	0.708	10.130	0.604	10.149	0.476	10.160	0.310	12.015	-0.118	12.026	-0.108	12.034	-0.056	12.041	0.619
10.167	0.092	10.175	-0.158	10.181	-0.206	10.187	-0.225	12.047	0.110	12.055	0.218	12.064	0.289	12.076	0.355
10.196	-0.210	10.214	-0.182	10.229	-0.239	10.232	-0.381	12.087	0.312	12.100	0.274	12.114	0.260	12.121	0.161
10.240	-0.490	10.243	-0.570	10.253	-0.712	10.267	-0.750	12.135	-0.024	12.148	-0.142	12.161	-0.251	12.174	-0.293
10.281	-0.765	10.302	-0.746	10.319	-0.784	10.328	-0.813	12.186	-0.322	12.199	-0.270	12.215	-0.175	12.223	-0.029
10.342	-0.770	10.348	-0.771	10.368	-0.804	10.381	-0.785	12.229	0.029	12.236	0.124	12.242	0.141	12.251	0.075
10.393	-0.705	10.402	-0.662	10.408	-0.549	10.415	-0.364	12.261	-0.029	12.273	-0.124	12.284	-0.303	12.294	-0.445
10.419	-0.242	10.428	-0.067	10.436	0.061	10.441	0.127	12.307	-0.511	12.318	-0.545	12.330	-0.516	12.341	-0.436
10.453	0.165	10.458	0.155	10.478	0.098	10.487	0.009	12.347	-0.304	12.353	-0.176	12.358	-0.667	12.365	0.008
10.455	-0.114	10.498	-0.252	10.503	-0.351	10.506	-0.460	12.369	0.032	12.380	-0.053	12.390	-0.200	12.404	-0.356
10.513	-0.545	10.520	-0.606	10.529	-0.658	10.535	-0.649	12.413	-0.399	12.423	-0.375	12.431	-0.361	12.448	-0.352
10.554	-0.588	10.568	-0.469	10.574	-0.384	10.590	-0.361	12.456	-0.309	12.462	-0.156	12.469	-0.026	12.477	0.092
10.598	-0.432	10.608	-0.493	10.623	-0.498	10.644	-0.456	12.487	0.154	12.490	0.187	12.501	0.191	12.514	0.210
10.656	-0.357	10.664	-0.305	10.679	-0.168	10.685	-0.144	12.523	0.248	12.531	0.281	12.536	0.290	12.551	0.243
10.722	-0.078	10.698	0.007	10.712	0.144	10.715	0.243	12.561	0.106	12.571	-0.017	12.582	-0.068	12.592	-0.018
10.763	0.612	10.772	0.649	10.780	0.706	10.790	0.692	12.602	0.110	12.611	0.247	12.619	0.327	12.624	0.398
10.798	0.673	10.811	0.592	10.817	0.522	10.822	0.493	12.684	0.412	12.694	0.468	12.704	0.520	12.716	0.468
10.834	0.559	10.842	0.606	10.859	0.602	10.867	0.540	12.728	0.435	12.738	0.511	12.752	0.600	12.762	0.666
10.875	0.484	10.886	0.385	10.893	0.352	10.912	0.484	12.776	0.728	12.787	0.751	12.799	0.746	12.809	0.718
10.918	0.603	10.934	0.612	10.947	0.537	10.956	0.407	12.815	0.633	12.822	0.514	12.829	0.448	12.840	0.387
10.961	0.277	10.964	0.206	10.970	0.098	10.983	0.077	12.849	0.358	12.858	0.401	12.867	0.472	12.879	0.561
10.994	-0.214	11.000	-0.294	11.004	-0.361	11.012	-0.412	12.886	0.609	12.895	0.599	12.904	0.561	12.916	0.410
11.013	-0.412	11.014	-0.412	11.017	-0.578	11.024	-0.606	12.925	0.287	12.931	0.155	12.973	-0.025	12.990	-0.110
11.025	-0.606	11.038	-0.507	11.045	-0.412	11.053	-0.317	13.001	-0.271	13.019	-0.432	13.044	-0.557	13.060	-0.678
11.057	-0.265	11.066	-0.208	11.076	-0.142	11.083	-0.095	13.069	0.687	13.085	-0.635	13.104	-0.479	13.116	-0.248
11.091	-0.057	11.101	-0.047	11.112	-0.054	11.121	-0.136	13.125	-0.087	13.133	0.041	13.144	0.107	13.153	0.159
11.130	-0.231	11.139	-0.321	11.146	-0.396	11.152	-0.444	13.166	0.162	13.180	0.012	13.197	-0.063	13.213	-0.106
11.165	-0.491	11.178	-0.528	11.184	-0.561	11.190	-0.590	13.231	-0.158	13.244	-0.177	13.253	-0.149	13.265	-0.073
11.196	-0.566	11.201	-0.500	11.205	-0.410	11.211	-0.310	13.271	-0.035	13.286	-0.002	13.298	-0.068	13.308	-0.149
11.214	-0.220	11.219	-0.131	11.220	-0.055	11.226	0.040	13.319	-0.234	13.332	-0.276	13.342	-0.224	13.352	-0.139
11.231	0.115	11.235	0.229	11.240	0.276	11.243	0.343	13.358	-0.073	13.368	-0.050	13.379	-0.076	13.393	-0.111
11.249	0.390	11.255	0.404	11.262	0.324	11.269	0.196	13.395	-0.102	13.408	-0.031	13.420	0.068	13.428	0.134
11.301	-0.475	11.310	-0.446	11.318	-0.408	11.324	-0.380	13.439	0.144	13.450	0.153	13.460	0.172	13.473	0.248
11.332	-0.436	11.338	-0.517	11.348	-0.578	11.351	-0.592	13.486	0.319	13.495	0.342	13.501	0.352	13.513	0.271
11.369	-0.559	11.386	-0.492	11.399	-0.421	11.411	-0.322	13.524	0.177	13.531	0.063	13.541	0.025	13.546	0.016
11.414	-0.270	11.419	-0.236	11.423	-0.218	11.433	-0.274	13.561	0.053	13.575	0.120	13.590	0.214	13.600	0.280
11.441	-0.345	11.448	-0.411	11.454	-0.439	11.459	-0.444	13.614	0.313	13.631	0.304	13.649	0.289	13.667	0.294
11.467	-0.406	11.477	-0.311	11.485	-0.221	11.492	-0.098	13.685	0.280	13.703	0.275	13.709	0.303	13.721	0.332
11.500	-0.018	11.504	0.015	11.512	0.025	11.518	0.072	13.731	0.284	13.748	0.154	13.760	0.171	13.770	0.142
11.531	0.120	11.540	0.162	11.546	0.177	11.557	0.106	13.781	0.104	13.787	0.050	13.793	0.147	13.803	0.251
11.563	0.040	11.570	-0.017	11.578	-0.045	11.594	-0.087	13.810	0.393	13.818	0.520	13.824	0.556	13.832	0.643
11.603	-0.040	11.609	0.017	11.616	0.083	11.620	0.121	13.842	0.591	13.855	0.487	13.870	0.312	13.889	0.208
11.624	0.145	11.634	0.107	11.642	0.083	11.647	0.074	13.902	0.142	13.912	0.142	13.922	0.175	13.931	0.203
11.654	0.126	11.660	0.169	11.665	0.202	11.673	0.226	13.940	0.198	13.951	0.146	13.961	0.066	13.971	-0.000
11.681	0.168	11.688	0.098	11.696	0.018	11.706	-0.086	13.979	-0.033	13.998	-0.014	14.015	0.023	14.027	0.047
11.713	-0.120	11.721	-0.128	11.728	-0.086	11.735	0.028	14.037	0.146	14.052	0.227	14.061	0.326	14.065	0.364
11.741	0.123	11.749	0.184	11.756	0.255	11.765	0.331	14.077	0.362	14.085	0.330	14.100	0.255	14.114	0.174
11.773	0.359	11.786	0.289	11.798	0.171	11.807	0.072	14.123	0.059	14.133	0.028	14.140	0.018	14.148	0.051
11.816	-0.023	11.822	-0.122	11.830	-0.202	11.834	-0.254	14.161	0.198	14.170	0.264	14.174	0.257	14.180	0.307
11.845	-0.287	11.854	-0.226	11.861	-0.122	11.868	0.015	14.191	0.198	14.204	0.231	14.215	0.160	14.233	0.136
11.874	0.148	11.878	0.256	11.883	0.299	11.889	0.346	14.246	0.103	14.259	0.023	14.269	-0.053	14.278	-0.100
								14.296	-0.053	14.308	-0.029	14.323	0.037	14.335	0.093



14.340	0.164	14.350	0.188	14.359	0.150	14.372	0.098	17.349	-0.002	17.357	0.035	17.365	0.064	17.374	0.054
14.385	0.056	14.399	0.075	14.413	0.112	14.428	0.117	17.391	0.011	17.406	-0.055	17.425	0.127	17.443	-0.188
14.443	0.112	14.458	0.065	14.469	-0.029	14.479	-0.096	17.452	-0.241	17.470	-0.246	17.490	-0.289	17.507	-0.289
14.490	-0.143	14.502	0.100	14.513	-0.034	14.528	0.008	17.521	-0.228	17.540	-0.143	17.556	-0.063	17.561	-0.011
14.541	0.037	14.553	0.032	14.567	-0.029	14.582	-0.077	17.571	-0.011	17.582	-0.069	17.594	-0.097	17.603	-0.121
14.595	-0.143	14.605	-0.148	14.617	-0.129	14.635	-0.105	17.611	-0.111	17.638	-0.055	17.657	0.058	17.673	0.077
14.649	-0.044	14.660	-0.006	14.675	0.032	14.688	0.004	17.657	0.077	17.665	0.072	17.679	0.058	17.693	0.048
14.702	-0.044	14.718	-0.063	14.730	-0.053	14.741	-0.034	17.704	0.019	17.721	-0.014	17.735	0.028	17.748	0.056
14.751	0.023	14.760	0.037	14.767	0.037	14.778	-0.020	17.764	0.080	17.779	0.122	17.788	0.155	17.799	0.178
14.791	-0.058	14.806	-0.115	14.820	-0.181	14.835	-0.204	17.814	0.169	17.830	0.164	17.843	0.177	17.858	0.173
14.849	-0.233	14.863	-0.266	14.874	-0.242	14.887	-0.214	17.872	0.149	17.889	0.120	17.903	0.149	17.913	0.196
14.897	-0.219	14.919	-0.219	14.940	-0.210	14.958	-0.153	17.928	0.219	17.944	0.205	17.963	0.186	17.979	0.167
14.981	-0.082	14.995	-0.016	15.006	0.022	15.018	0.027	18.000	0.153	18.019	0.162	18.035	0.181	18.051	0.176
15.032	0.022	15.041	0.031	15.047	0.017	15.062	-0.097	18.065	0.166	18.083	0.128	18.098	0.076	18.110	-0.023
15.078	-0.177	15.095	-0.191	15.118	-0.206	15.132	-0.229	18.122	-0.085	18.131	-0.132	18.143	-0.141	18.153	-0.075
15.148	-0.248	15.167	-0.348	15.181	-0.433	15.197	-0.490	18.165	0.000	18.175	0.060	18.183	0.118	18.192	0.142
15.212	-0.504	15.230	-0.551	15.244	-0.570	15.261	-0.551	18.205	0.137	18.219	0.104	18.234	0.014	18.243	-0.029
15.277	-0.523	15.288	-0.457	15.297	-0.353	15.305	-0.306	18.248	-0.033	18.262	0.064	18.272	0.042	18.281	0.032
15.313	-0.287	15.325	-0.259	15.334	-0.282	15.347	-0.353	18.291	0.042	18.303	0.080	18.313	0.117	18.322	0.122
15.358	-0.415	15.373	-0.448	15.389	-0.429	15.402	-0.367	18.336	0.089	18.353	0.013	18.369	-0.034	18.382	-0.058
15.416	-0.297	15.424	-0.282	15.437	-0.278	15.447	-0.249	18.393	-0.063	18.404	0.003	18.416	0.107	18.423	0.192
15.458	-0.230	15.474	-0.259	15.488	-0.273	15.502	-0.363	18.429	0.225	18.442	0.248	18.454	0.220	18.469	0.139
15.510	-0.415	15.520	-0.467	15.531	-0.495	15.546	-0.443	18.481	0.078	18.494	0.021	18.507	0.011	18.517	0.054
15.558	-0.349	15.567	-0.254	15.579	-0.141	15.585	-0.065	18.530	0.124	18.545	0.138	18.558	0.115	18.573	0.058
15.595	-0.027	15.619	-0.022	15.640	-0.027	15.655	-0.043	18.588	-0.018	18.603	-0.054	18.615	-0.179	18.624	-0.255
15.672	0.020	15.688	0.105	15.697	0.153	15.705	0.247	18.635	-0.279	18.642	0.283	18.654	-0.236	18.676	-0.114
15.716	0.313	15.731	0.370	15.743	0.384	15.759	0.398	18.697	-0.081	18.715	-0.055	18.730	-0.171	18.741	-0.214
15.767	0.446	15.780	0.483	15.791	0.488	15.806	0.469	18.752	-0.219	18.767	-0.181	18.780	-0.129	18.794	-0.054
15.816	0.460	15.827	0.450	15.839	0.394	15.851	0.337	18.812	0.022	18.829	0.064	18.840	-0.078	18.856	0.054
15.863	0.323	15.875	0.318	15.887	0.304	15.905	0.186	18.875	0.011	18.894	-0.027	18.911	-0.023	18.925	-0.023
15.919	0.011	15.932	-0.074	15.947	-0.140	15.968	-0.159	18.937	0.005	18.949	0.057	18.961	0.113	18.974	0.170
15.975	-0.126	15.993	-0.098	16.016	-0.041	16.037	0.025	18.982	0.188	18.993	0.188	19.006	0.145	19.016	0.117
16.059	0.073	16.078	0.092	16.097	0.016	16.110	-0.045	19.025	0.107	19.035	0.154	19.047	0.220	19.055	0.272
16.124	-0.083	16.143	-0.093	16.162	-0.154	16.186	-0.192	19.065	0.314	19.076	0.304	19.089	0.219	19.101	0.138
16.195	-0.163	16.206	-0.135	16.227	-0.135	16.240	-0.059	19.118	0.091	19.127	0.062	19.141	0.066	19.148	0.118
16.257	0.012	16.271	0.059	16.284	0.083	16.301	0.097	19.159	0.158	19.172	0.268	19.180	0.316	19.192	0.325
16.317	0.177	16.333	0.248	16.346	0.319	16.360	0.324	19.202	0.292	19.214	0.254	19.226	0.220	19.244	0.173
16.376	0.352	16.390	0.432	16.402	0.489	16.415	0.522	19.252	0.092	19.262	0.030	19.273	0.007	19.281	0.040
16.435	0.469	16.453	0.389	16.464	0.356	16.476	0.289	19.291	-0.072	19.311	-0.100	19.323	0.076	19.339	-0.009
16.487	0.247	16.494	0.261	16.505	0.327	16.513	0.402	19.354	-0.071	19.365	-0.039	19.387	0.004	19.400	0.041
16.522	0.450	16.526	0.459	16.541	0.407	16.551	0.345	19.412	0.093	19.419	0.126	19.427	0.130	19.449	0.063
16.560	0.293	16.574	0.260	16.586	0.302	16.597	0.359	19.468	0.011	19.481	-0.037	19.501	-0.070	19.520	-0.071
16.604	0.430	16.612	0.472	16.620	0.491	16.631	0.486	19.530	-0.019	19.539	0.018	19.550	0.018	19.568	-0.053
16.641	0.453	16.660	0.382	16.689	0.329	16.705	0.268	19.586	-0.096	19.606	-0.140	19.626	-0.173	19.652	-0.160
16.733	0.163	16.748	0.106	16.757	0.078	16.769	0.073	19.665	-0.118	19.682	-0.071	19.698	-0.029	19.715	0.009
16.778	0.068	16.787	0.040	16.799	-0.008	16.813	-0.046	19.724	-0.006	19.749	-0.044	19.771	-0.106	19.791	-0.140
16.826	-0.046	16.838	-0.051	16.854	-0.098	16.868	-0.141	19.801	-0.131	19.818	-0.089	19.833	-0.042	19.844	-0.042
16.879	-0.174	16.894	-0.165	16.905	-0.161	16.915	-0.171	19.862	-0.090	19.875	-0.090	19.887	-0.119	19.904	-0.157
16.930	-0.223	16.948	-0.271	16.956	-0.295	16.965	-0.328	19.920	-0.172	19.939	-0.144	19.954	-0.097	19.966	-0.055
16.977	-0.324	16.989	-0.295	16.996	-0.277	17.013	-0.263	19.976	-0.013	19.987	-0.013	20.010	-0.028	20.024	-0.071
17.028	-0.230	17.049	-0.184	17.058	-0.160	17.071	-0.165	20.040	-0.109	20.058	-0.157	20.077	-0.205	20.086	-0.238
17.084	-0.218	17.107	-0.261	17.124	-0.195	17.140	-0.143	20.101	-0.196	20.122	-0.102	20.136	-0.032	20.148	0.001
17.155	-0.101	17.165	-0.054	17.187	-0.031	17.205	-0.022	20.166	-0.047	20.181	-0.123	20.194	-0.180	20.209	-0.228
17.221	-0.068	17.232	0.095	17.241	0.142	17.249	0.194	20.226	-0.204	20.238	-0.172	20.253	-0.177	20.265	-0.168
17.255	0.208	17.267	0.151	17.279	0.085	17.289	0.064	20.279	-0.116	20.288	-0.057	20.300	-0.098	20.310	-0.089
17.301	-0.034	17.316	-0.039	17.329	-0.049	17.348	-0.002	20.328	-0.051	20.345	-0.014	20.364	-0.015	20.372	-0.048



20.388	-0.062	20.397	-0.077	20.410	-0.063	20.421	-0.011	23.315	-0.106	23.327	-0.121	23.338	-0.116	23.350	-0.102
20.431	0.040	20.438	0.064	20.447	0.054	20.464	0.030	23.361	-0.106	23.372	-0.111	23.384	-0.125	23.396	-0.153
20.476	0.077	20.490	0.105	20.502	0.152	20.515	0.190	23.407	-0.167	23.423	-0.161	23.434	-0.191	23.446	-0.191
20.527	0.218	20.542	0.222	20.559	0.198	20.574	0.169	23.455	-0.200	23.466	-0.172	23.478	-0.124	23.487	-0.115
20.587	0.131	20.607	0.088	20.631	0.101	20.648	0.125	23.496	-0.063	23.517	-0.048	23.520	-0.053	23.530	-0.067
20.660	0.139	20.681	0.110	20.690	0.053	20.712	-0.005	23.540	-0.077	23.552	-0.076	23.562	-0.081	23.575	-0.086
20.726	-0.038	20.733	-0.048	20.749	-0.029	20.768	-0.016	23.585	-0.086	23.598	-0.076	23.610	-0.062	23.629	-0.043
20.791	-0.040	20.816	-0.074	20.834	-0.140	20.847	-0.183	23.640	-0.019	23.650	0.005	23.664	0.042	23.675	0.061
20.863	-0.188	20.870	-0.160	20.884	-0.080	20.895	-0.052	23.687	0.076	23.699	0.076	23.710	0.081	23.722	0.071
20.909	-0.038	20.927	-0.095	20.940	-0.138	20.955	-0.200	23.732	0.052	23.738	0.052	23.752	0.086	23.764	0.119
20.969	-0.224	20.984	-0.200	20.997	-0.130	21.019	-0.036	23.778	0.143	23.791	0.143	23.806	0.162	23.821	0.171
21.041	0.006	21.054	0.006	21.070	-0.009	21.082	0.005	23.833	0.176	23.845	0.181	23.856	0.195	23.874	0.233
21.102	0.000	21.123	-0.019	21.138	-0.053	21.154	-0.096	23.885	0.252	23.894	0.252	23.908	0.224	23.920	0.191
21.173	-0.110	21.195	-0.083	21.216	-0.059	21.236	-0.027	23.934	0.177	23.946	0.177	23.956	0.172	23.971	0.153
21.255	-0.037	21.276	-0.042	21.288	-0.037	21.303	0.019	23.988	0.130	24.004	0.111	24.018	0.106	24.026	0.111
21.320	0.108	21.336	0.188	21.345	0.216	21.355	0.221	24.039	0.078	24.053	0.059	24.066	0.069	24.078	0.074
21.366	0.202	21.377	0.168	21.392	0.178	21.409	0.153	24.093	0.088	24.108	0.126	24.128	0.159	24.143	0.183
21.427	0.125	21.442	0.120	21.455	0.157	21.473	0.213	24.155	0.197	24.170	0.212	24.183	0.216	24.156	0.226
21.489	0.246	21.507	0.236	21.525	0.203	21.540	0.169	24.207	0.221	24.219	0.212	24.230	0.198	24.242	0.160
21.558	0.150	21.581	0.130	21.606	0.130	21.626	0.120	24.251	0.113	24.267	0.094	24.281	0.104	24.294	0.141
21.646	0.105	21.660	0.081	21.675	0.048	21.688	0.033	24.307	0.179	24.316	0.154	24.330	0.198	24.338	0.180
21.702	0.038	21.718	0.028	21.734	0.013	21.747	0.004	24.352	0.142	24.361	0.118	24.374	0.095	24.384	0.085
21.759	-0.011	21.772	-0.021	21.780	-0.021	21.790	-0.021	24.391	0.062	24.403	0.062	24.416	0.085	24.429	0.099
21.806	-0.069	21.820	-0.074	21.829	-0.055	21.843	-0.055	24.442	0.104	24.453	0.104	24.466	0.105	24.482	0.123
21.855	-0.032	21.865	-0.018	21.877	-0.037	21.886	-0.042	24.493	0.132	24.506	0.132	24.507	0.099	24.514	0.047
21.897	-0.037	21.906	-0.028	21.917	-0.047	21.933	-0.066	24.524	0.014	24.533	0.024	24.542	0.028	24.550	0.043
21.945	-0.076	21.955	-0.076	21.970	-0.043	21.981	-0.024	24.558	0.052	24.568	0.071	24.580	0.085	24.589	0.095
21.955	-0.034	22.009	-0.044	22.020	-0.048	22.032	-0.072	24.651	0.104	24.668	0.095	24.616	0.076	24.627	0.038
22.044	-0.091	22.056	-0.087	22.066	-0.059	22.082	-0.049	24.633	0.038	24.644	0.047	24.657	0.066	24.663	0.060
22.053	-0.026	22.106	0.012	22.115	0.040	22.124	0.045	24.675	0.043	24.688	0.019	24.701	0.010	24.711	0.010
22.135	0.044	22.146	0.016	22.158	0.011	22.169	0.016	24.722	0.010	24.734	0.019	24.744	0.043	24.754	0.066
22.180	0.091	22.191	0.011	22.200	0.015	22.212	0.029	24.761	0.062	24.773	0.066	24.780	0.062	24.792	0.052
22.225	0.062	22.233	0.105	22.242	0.109	22.252	0.114	24.806	0.043	24.818	0.038	24.831	0.033	24.847	0.024
22.267	0.090	22.283	0.061	22.301	0.037	22.314	0.032	24.859	0.000	24.869	-0.014	24.880	-0.005	24.887	0.014
22.361	0.103	22.376	0.037	22.388	-0.001	22.398	0.020	24.898	0.029	24.917	0.029	24.935	0.024	24.950	0.024
22.408	-0.020	22.417	-0.001	22.428	0.027	22.436	0.032	24.966	0.038	24.984	0.043	25.001	0.029	25.016	0.039
22.447	0.013	22.458	-0.029	22.473	-0.105	22.488	-0.152	25.035	0.039	25.051	0.044	25.063	0.039	25.074	0.006
22.500	-0.166	22.511	-0.166	22.521	-0.161	22.534	-0.128	25.085	-0.037	25.097	-0.046	25.112	-0.027	25.124	0.030
22.544	-0.124	22.550	-0.114	22.567	-0.138	22.580	-0.161	25.136	0.039	25.148	0.039	25.163	0.020	25.178	-0.022
22.591	-0.161	22.604	-0.152	22.616	-0.142	22.629	-0.138	25.188	-0.074	25.197	-0.088	25.209	-0.083	25.217	-0.045
22.641	-0.133	22.651	-0.133	22.662	-0.152	22.670	-0.175	25.226	-0.045	25.239	-0.060	25.253	-0.088	25.271	-0.102
22.681	-0.170	22.696	-0.156	22.710	-0.156	22.718	-0.175	25.254	-0.130	25.309	-0.144	25.323	-0.149	25.343	-0.144
22.730	-0.232	22.740	-0.270	22.746	-0.284	22.757	-0.270	25.363	-0.158	25.376	-0.163	25.392	-0.130	25.404	-0.111
22.766	-0.246	22.782	-0.241	22.794	-0.236	22.807	-0.213	25.416	-0.120	25.429	-0.139	25.441	-0.148	25.452	-0.143
22.823	-0.184	22.835	-0.175	22.849	-0.165	22.860	-0.118	25.467	-0.115	25.480	-0.082	25.491	-0.049	25.499	-0.039
22.873	-0.052	22.885	-0.033	22.898	-0.028	22.911	-0.042	25.510	-0.048	25.520	-0.067	25.530	-0.086	25.544	-0.091
22.921	0.075	22.931	-0.085	22.947	-0.056	22.960	-0.032	25.554	-0.095	25.564	-0.100	25.579	-0.086	25.587	-0.081
22.978	0.001	22.992	0.029	22.998	0.039	23.010	0.024	25.600	-0.081	25.611	-0.086	25.627	-0.081	25.648	-0.057
23.025	-0.018	23.033	-0.027	23.047	-0.027	23.058	-0.046	25.660	-0.047	25.674	-0.065	25.692	-0.059	25.706	-0.127
23.068	-0.075	23.078	-0.112	23.089	-0.141	23.098	-0.159	25.720	-0.141	25.736	-0.122	25.752	-0.080	25.765	-0.070
23.111	-0.159	23.120	-0.150	23.133	-0.150	23.144	-0.155	25.776	-0.080	25.790	-0.113	25.805	-0.146	25.819	-0.150
23.154	-0.150	23.165	-0.150	23.177	-0.145	23.189	-0.135	25.832	-0.122	25.849	-0.117	25.859	-0.107	25.871	-0.093
23.200	-0.107	23.210	-0.074	23.218	-0.060	23.229	-0.055	25.883	-0.098	25.899	-0.053	25.911	-0.079	25.929	-0.079
23.239	-0.064	23.250	-0.064	23.259	-0.083	23.269	-0.092	25.944	-0.079	25.957	-0.058	25.965	-0.108	25.977	-0.084
23.276	-0.102	23.285	-0.088	23.294	-0.073	23.305	-0.083	25.987	-0.051	25.997	-0.042	26.011	-0.032	26.027	-0.032
								26.044	-0.042	26.060	-0.065	26.068	-0.075	26.077	-0.056



26.091	-0.028	26.102	0.024	26.114	0.043	26.123	0.043	29.352	0.046	29.370	0.036	29.386	0.060	29.401	0.074
26.136	0.034	26.149	0.015	26.163	-0.004	26.176	0.005	29.418	0.107	29.427	0.135	29.442	0.135	29.455	0.111
26.187	0.005	26.203	0.019	26.217	0.029	26.233	0.067	29.462	0.082	29.475	0.063	29.501	0.063	29.510	0.058
26.242	0.090	26.263	0.109	26.278	0.137	26.289	0.118	29.522	0.044	29.533	0.025	29.550	0.006	29.555	0.001
26.302	0.076	26.313	0.052	26.325	0.062	26.341	0.076	29.572	-0.009	29.586	-0.009	29.599	0.005	29.608	0.009
26.356	0.076	26.369	0.061	26.385	0.032	26.403	0.004	29.621	0.014	29.634	0.009	29.646	-0.015	29.664	-0.043
26.414	-0.030	26.431	-0.035	26.444	-0.016	26.464	0.036	29.677	0.048	29.695	0.039	29.713	-0.039	29.729	0.035
26.476	0.087	26.488	0.111	26.500	0.115	26.510	0.101	29.745	-0.002	29.764	-0.021	29.776	0.016	29.790	0.067
26.519	0.087	26.531	0.086	26.543	0.077	26.560	0.086	29.807	-0.008	29.818	-0.003	29.830	-0.008	29.846	-0.003
26.578	0.128	26.591	0.161	26.599	0.170	26.610	0.165	29.862	0.006	29.875	0.020	29.888	0.039	29.902	0.063
26.627	0.118	26.639	0.089	26.651	0.089	26.666	0.112	29.915	0.083	29.927	0.053	29.939	0.044	29.952	0.034
26.683	0.058	26.702	0.083	26.720	0.083	26.734	0.088	29.970	0.020	29.979	0.001	29.995	-0.013	30.005	-0.042
26.748	0.087	26.760	0.120	26.783	0.115	26.803	0.110	30.020	-0.070	30.030	-0.070	30.041	-0.075	30.053	-0.075
26.823	0.119	26.844	0.109	26.862	0.094	26.882	0.098	30.063	-0.065	30.073	-0.056	30.086	-0.051	30.097	-0.047
26.897	0.098	26.914	0.107	26.931	0.097	26.944	0.087	30.112	-0.037	30.121	-0.047	30.138	-0.085	30.153	-0.094
26.961	0.063	26.971	0.063	26.987	0.105	27.002	0.133	30.170	-0.085	30.185	-0.047	30.197	-0.014	30.212	0.000
27.019	0.126	27.036	0.146	27.053	0.141	27.070	0.127	30.224	0.005	30.237	-0.014	30.249	-0.042	30.260	-0.068
27.135	0.120	27.150	0.134	27.164	0.138	27.176	0.133	30.323	-0.014	30.334	-0.014	30.348	-0.052	30.360	-0.038
27.191	0.119	27.206	0.100	27.212	0.080	27.227	0.061	30.373	-0.029	30.386	-0.023	30.399	-0.024	30.416	-0.029
27.241	0.056	27.254	0.070	27.270	0.069	27.283	0.074	30.431	-0.024	30.445	-0.029	30.460	-0.039	30.475	-0.039
27.297	0.045	27.312	0.012	27.321	0.007	27.335	0.025	30.491	-0.015	30.505	0.022	30.527	0.032	30.543	0.031
27.347	0.020	27.357	0.011	27.370	-0.004	27.381	-0.009	30.555	0.036	30.569	0.022	30.585	-0.007	30.598	-0.016
27.391	-0.009	27.406	-0.014	27.422	0.014	27.437	0.038	30.613	-0.002	30.632	0.026	30.649	0.040	30.662	0.059
27.446	0.004	27.460	-0.015	27.474	-0.015	27.484	-0.001	30.674	0.068	30.687	0.073	30.702	0.053	30.718	0.034
27.499	0.004	27.511	0.017	27.527	0.022	27.543	0.026	30.728	0.020	30.737	0.015	30.751	0.015	30.766	0.029
27.557	0.007	27.569	0.012	27.585	0.026	27.602	0.035	30.784	0.034	30.798	0.029	30.810	0.043	30.825	0.048
27.614	0.044	27.628	0.049	27.644	0.053	27.657	0.053	30.884	0.052	30.895	0.047	30.908	0.047	30.928	0.032
27.669	0.072	27.681	0.057	27.694	0.057	27.712	0.061	30.900	0.027	30.914	0.022	30.928	0.031	30.943	0.050
27.730	0.061	27.745	0.061	27.759	0.056	27.772	0.060	30.954	0.059	30.969	0.063	30.985	0.067	31.002	0.062
27.783	0.060	27.799	0.055	27.811	0.050	27.824	0.045	31.020	0.071	31.033	0.057	31.045	0.056	31.059	0.066
27.841	0.050	27.855	0.050	27.871	0.031	27.888	0.002	31.072	0.084	31.089	0.088	31.103	0.102	31.119	0.125
27.905	-0.017	27.919	-0.040	27.935	-0.059	27.950	-0.050	31.133	0.120	31.149	0.115	31.166	0.101	31.175	0.096
27.966	-0.036	27.980	-0.045	27.994	-0.055	28.006	-0.045	31.191	0.109	31.204	0.104	31.216	0.085	31.229	0.071
28.020	-0.041	28.032	-0.012	28.045	0.007	28.055	0.016	31.242	0.032	31.258	0.018	31.259	0.018	31.268	0.032
28.066	0.007	28.079	0.007	28.091	0.007	28.105	0.011	31.280	0.027	31.295	0.003	31.309	-0.007	31.320	-0.003
28.119	0.025	28.133	0.044	28.143	0.058	28.157	0.058	31.331	0.006	31.347	0.020	31.361	0.020	31.373	0.019
28.169	0.068	28.182	0.077	28.194	0.077	28.204	0.068	31.384	0.010	31.399	-0.005	31.414	-0.020	31.428	-0.020
28.215	0.044	28.226	0.035	28.239	0.020	28.251	0.025	31.440	-0.006	31.452	-0.007	31.461	-0.007	31.474	-0.017
28.266	0.049	28.280	0.072	28.292	0.077	28.308	0.077	31.490	-0.022	31.503	-0.032	31.513	-0.037	31.527	-0.023
28.328	0.049	28.340	0.034	28.357	0.034	28.377	0.029	31.542	-0.028	31.556	-0.043	31.569	-0.045	31.580	-0.067
28.358	0.006	28.419	0.006	28.437	0.010	28.456	0.001	31.594	-0.072	31.609	-0.063	31.626	-0.045	31.644	-0.031
28.479	0.015	28.494	0.001	28.517	-0.042	28.539	-0.061	31.655	-0.037	31.670	-0.042	31.686	-0.056	31.701	-0.076
28.566	-0.042	28.589	-0.033	28.606	-0.047	28.625	-0.052	31.717	-0.067	31.732	-0.072	31.746	-0.068	31.759	-0.063
28.642	-0.038	28.660	-0.029	28.680	-0.033	28.694	-0.057	31.777	-0.054	31.789	-0.050	31.805	-0.051	31.816	-0.013
28.713	-0.038	28.731	-0.019	28.752	-0.029	28.772	-0.053	31.838	-0.004	31.854	0.005	31.867	0.014	31.884	0.014
28.790	-0.072	28.807	-0.077	28.830	-0.053	28.854	-0.034	31.893	-0.001	31.902	-0.020	31.916	-0.063	31.932	-0.077
28.868	-0.039	28.882	-0.040	28.896	-0.035	28.907	-0.031	31.943	-0.092	31.957	-0.073	31.969	-0.064	31.981	-0.054
28.920	-0.002	28.933	0.016	28.947	0.035	28.963	0.053	31.992	-0.059	32.001	-0.060	32.010	-0.055	32.021	-0.036
28.974	0.053	28.986	0.044	28.999	0.034	29.012	0.034	32.030	-0.027	32.042	-0.046	32.057	-0.046	32.071	-0.056
29.025	0.048	29.040	0.047	29.055	0.038	29.072	0.047	32.085	-0.042	32.101	-0.028	32.113	-0.019	32.131	-0.010
29.085	0.056	29.100	0.079	29.112	0.098	29.126	0.098	32.149	-0.020	32.161	-0.039	32.173	-0.039	32.191	-0.044
29.143	0.064	29.158	0.017	29.176	0.012	29.191	0.030	32.205	-0.054	32.221	-0.064	32.242	-0.059	32.258	-0.050
29.205	0.058	29.215	0.077	29.228	0.100	29.239	0.114	32.273	-0.030	32.285	-0.032	32.303	-0.032	32.316	-0.042
29.249	0.114	29.261	0.128	29.272	0.142	29.283	0.133	32.330	-0.037	32.345	-0.033	32.360	-0.038	32.374	-0.033
29.295	0.128	29.309	0.113	29.323	0.099	29.336	0.075	32.391	-0.038	32.406	-0.038	32.420	-0.019	32.443	-0.020



32.457	-0.020	32.475	-0.024	32.489	-0.020	32.509	-0.039	37.148	-0.025	37.169	0.013	37.191	0.036	37.207	0.036
32.530	-0.053	32.549	-0.068	32.564	-0.072	32.587	-0.082	37.226	0.012	37.245	0.021	37.274	-0.012	37.301	-0.041
32.612	-0.044	32.632	-0.047	32.649	-0.054	32.663	-0.054	37.333	-0.051	37.345	-0.060	37.362	-0.051	37.382	-0.070
32.685	-0.021	32.702	-0.017	32.718	-0.021	32.735	-0.012	37.410	-0.052	37.446	-0.076	37.473	-0.062	37.502	-0.034
32.755	-0.026	32.772	-0.022	32.787	-0.017	32.804	0.002	37.525	0.022	37.542	0.065	37.568	0.041	37.600	0.083
32.824	0.001	32.840	0.011	32.870	0.039	32.891	0.067	37.621	0.111	37.648	0.073	37.683	0.025	37.708	0.039
32.911	0.072	32.929	0.067	32.946	0.077	32.963	0.067	37.731	0.110	37.762	-0.038	37.785	-0.038	37.811	-0.053
32.981	0.081	33.001	0.072	33.021	0.081	33.045	0.095	37.832	-0.095	37.864	-0.049	37.890	-0.068	37.918	-0.082
33.065	0.105	33.083	0.076	33.106	0.081	33.126	0.081	37.933	-0.035	37.962	0.021	37.993	-0.012	38.015	-0.012
33.139	0.095	33.161	0.081	33.176	0.076	33.199	0.067	38.029	-0.012	38.050	-0.008	38.069	-0.008	38.084	-0.008
33.223	0.067	33.251	0.076	33.277	0.033	33.295	0.033	38.103	-0.008	38.131	0.020	38.156	0.015	38.173	0.010
33.318	0.010	33.335	0.000	33.366	0.028	33.390	0.038	38.188	-0.014	38.219	-0.033	38.235	-0.071	38.263	-0.085
33.406	0.038	33.429	0.052	33.454	0.057	33.472	0.028	38.285	-0.043	38.304	-0.001	38.328	0.018	38.349	-0.011
33.491	-0.005	33.512	0.014	33.539	0.024	33.563	-0.009	38.372	-0.048	38.392	-0.048	38.411	-0.029	38.442	0.018
33.594	-0.019	33.614	-0.038	33.632	-0.052	33.657	-0.033	38.473	0.023	38.500	-0.011	38.526	-0.025	38.549	-0.053
33.682	-0.024	33.703	-0.019	33.728	-0.024	33.749	-0.024	38.569	0.067	38.597	0.023	38.626	-0.006	38.645	-0.011
33.767	-0.024	33.791	0.019	33.816	0.038	33.839	0.019	38.669	-0.025	38.689	-0.006	38.703	0.008	38.729	-0.029
33.855	-0.014	33.869	-0.042	33.896	0.005	33.923	0.000	38.749	-0.025	38.779	-0.015	38.809	-0.015	38.829	-0.011
33.945	-0.005	33.962	-0.014	33.990	-0.061	34.018	-0.038	38.855	0.004	38.882	-0.015	38.905	-0.020	38.928	-0.001
34.042	-0.028	34.067	-0.019	34.088	-0.014	34.104	-0.019	38.944	0.004	38.968	-0.006	38.993	-0.044	39.020	-0.020
34.121	-0.014	34.145	-0.038	34.166	-0.047	34.188	-0.028	39.045	-0.015	39.071	0.013	39.093	0.046	39.112	0.046
34.212	-0.038	34.230	-0.042	34.245	-0.047	34.263	-0.024	39.133	0.027	39.155	0.046	39.178	0.051	39.203	0.051
34.288	-0.047	34.320	-0.090	34.343	-0.057	34.369	-0.028	39.225	0.051	39.246	0.051	39.271	0.037	39.301	0.008
34.357	-0.038	34.421	-0.042	34.444	-0.038	34.462	-0.037	39.326	0.027	39.353	0.051	39.376	0.079	39.394	0.079
34.478	-0.037	34.492	-0.056	34.512	-0.042	34.535	-0.066	39.423	0.045	39.454	0.035	39.479	0.045	39.497	0.044
34.570	-0.081	34.590	-0.061	34.619	-0.051	34.643	-0.061	39.522	0.039	39.553	0.034	39.577	0.025	39.608	-0.028
34.661	-0.061	34.677	-0.070	34.703	-0.056	34.729	-0.037	39.632	-0.023	39.654	-0.014	39.681	-0.016	39.711	-0.001
34.744	-0.037	34.758	-0.027	34.776	-0.056	34.797	-0.056	39.741	0.023	39.765	0.008	39.796	-0.006	39.815	-0.021
34.818	-0.060	34.838	-0.041	34.853	-0.051	34.873	-0.027	39.834	-0.030	39.853	-0.017	39.874	-0.031	39.890	0.014
34.894	-0.032	34.910	-0.027	34.933	-0.051	34.952	-0.036	39.924	0.019	39.946	0.019	39.969	0.033	39.989	0.014
34.969	-0.032	34.991	-0.022	35.011	-0.017	35.029	-0.008	40.013	-0.029	40.040	-0.016	40.062	-0.002	40.090	-0.003
35.046	-0.027	35.072	-0.022	35.094	0.021	35.114	0.059	40.105	0.011	40.135	-0.013	40.159	-0.004	40.173	-0.004
35.128	0.068	35.147	0.026	35.167	0.002	35.185	0.035	40.201	-0.005	40.224	-0.015	40.253	-0.001	40.281	-0.026
35.204	0.082	35.232	0.106	35.247	0.078	35.272	-0.017	40.295	-0.035	40.316	-0.017	40.342	-0.003	40.368	-0.004
35.256	-0.002	35.313	-0.002	35.340	0.007	35.368	-0.002	40.356	-0.028	40.410	-0.014	40.432	-0.015	40.448	-0.025
35.397	0.017	35.418	0.017	35.438	0.017	35.459	0.069	40.470	-0.054	40.504	-0.017	40.528	-0.017	40.545	-0.018
35.481	0.007	35.506	-0.078	35.521	-0.106	35.539	-0.064	40.568	-0.028	40.550	-0.019	40.613	-0.029	40.634	-0.029
35.558	0.040	35.571	0.130	35.581	0.149	35.598	0.088	40.667	-0.030	40.689	-0.030	40.720	-0.022	40.746	0.006
35.615	-0.064	35.633	-0.106	35.651	-0.050	35.669	-0.012	40.765	0.001	40.799	-0.019	40.834	-0.010	40.861	-0.011
35.698	0.012	35.716	-0.035	35.735	-0.083	35.755	0.031	40.882	-0.011	40.908	-0.012	40.939	0.007	40.972	0.001
35.777	0.092	35.801	0.007	35.821	-0.012	35.841	-0.045	40.999	-0.013	41.019	-0.019	41.054	0.004	41.082	0.004
35.867	0.017	35.889	0.083	35.918	0.168	35.935	0.106	41.102	0.004	41.126	-0.006	41.144	-0.007	41.164	-0.021
35.951	0.007	35.971	-0.069	35.996	-0.026	36.009	-0.017	41.185	-0.022	41.208	-0.041	41.231	-0.079	41.258	-0.089
36.026	0.068	36.047	0.011	36.066	-0.055	36.088	0.035	41.283	-0.071	41.309	-0.048	41.327	-0.029	41.347	-0.029
36.119	0.088	36.143	0.063	36.169	0.030	36.197	-0.017	41.370	-0.030	41.379	-0.035	41.405	-0.007	41.432	-0.007
36.216	-0.041	36.232	-0.008	36.257	0.077	36.280	-0.008	41.457	-0.017	41.470	-0.017	41.494	0.006	41.527	-0.028
36.297	-0.070	36.307	-0.093	36.335	-0.037	36.349	0.006	41.563	-0.057	41.594	-0.076	41.626	-0.067	41.643	-0.063
36.364	0.096	36.376	0.110	36.395	0.043	36.407	0.010	41.667	-0.073	41.684	-0.078	41.701	-0.101	41.731	-0.088
36.430	-0.004	36.456	0.053	36.487	0.109	36.503	0.052	41.751	-0.064	41.781	-0.064	41.809	-0.009	41.835	-0.061
36.516	0.028	36.546	0.071	36.567	0.085	36.597	0.070	41.859	-0.014	41.883	-0.024	41.907	-0.006	41.937	-0.021
36.612	-0.010	36.645	-0.081	36.676	-0.001	36.695	0.013	41.970	-0.002	41.991	-0.017	42.030	-0.032	42.057	-0.014
36.715	0.003	36.727	0.035	36.749	-0.035	36.766	-0.016	42.112	-0.013	42.112	-0.013	42.136	-0.001	42.156	-0.006
36.784	-0.007	36.804	-0.045	36.830	-0.040	36.849	-0.040	42.174	-0.007	42.201	-0.026	42.223	0.002	42.246	-0.013
36.870	-0.007	36.888	0.021	36.914	-0.027	36.937	-0.051	42.277	0.005	42.299	-0.014	42.321	-0.034	42.340	-0.039
36.963	-0.027	36.984	-0.032	37.005	0.015	37.034	0.029	42.365	-0.016	42.385	-0.002	42.409	-0.026	42.433	-0.022
37.063	-0.010	37.081	-0.000	37.101	-0.015	37.129	-0.072	42.459	-0.018	42.471	-0.023	42.497	-0.042	42.521	-0.034



42.547	-0.001	42.574	-0.016	42.589	-0.030	42.610	-0.031
42.631	-0.027	42.669	0.015	42.688	0.005	42.706	-0.000
42.732	-0.001	42.762	0.027	42.790	0.003	42.811	0.012
42.837	0.016	42.869	-0.004	42.883	-0.013	42.912	-0.018
42.940	-0.019	42.979	-0.052	43.000	-0.067	43.029	-0.053
43.048	-0.034	43.068	-0.058	43.088	-0.058	43.109	-0.059
43.139	-0.059	43.165	-0.088	43.190	-0.078	43.218	-0.060
43.230	-0.065	43.246	-0.074	43.261	-0.089	43.267	-0.089
43.281	-0.058	43.290	-0.113	43.304	-0.094	43.333	-0.061
43.355	-0.047	43.372	-0.056	43.387	-0.066	43.416	-0.089
43.431	-0.070	43.443	-0.075	43.474	-0.070	43.493	-0.065
43.522	-0.074	43.527	-0.074	43.547	-0.079	43.556	-0.079
43.571	-0.022	43.579	-0.008	43.596	-0.012	43.618	-0.036
43.632	-0.045	43.663	-0.021	43.677	-0.012	43.681	-0.012
43.707	-0.021	43.730	-0.011	43.746	-0.002	43.757	0.012
43.774	0.022	43.790	0.017	43.805	-0.011	43.815	-0.034
43.826	-0.045	43.844	-0.020	43.867	-0.025	43.883	-0.015
43.899	-0.020	43.913	-0.024	43.934	-0.005	43.948	0.004
43.964	-0.001	43.969	0.004	43.998	-0.005	44.016	-0.000
44.033	-0.010	44.043	-0.010	44.064	-0.000	44.079	-0.000
44.096	-0.019	44.117	-0.019	44.131	0.000	44.151	-0.004
44.169	-0.009	44.188	-0.028	44.204	-0.014	44.233	-0.023
44.248	-0.018	44.265	-0.009	44.282	-0.018	44.312	-0.004
44.332	-0.008	44.356	0.001	44.371	-0.018	44.390	-0.008
44.408	-0.018	44.418	-0.037	44.441	-0.027	44.468	0.006
44.455	0.010	44.512	0.010	44.535	-0.009	44.552	-0.013
44.582	-0.004	44.600	0.005	44.610	0.001	44.635	-0.018
44.662	-0.014	44.685	-0.014	44.708	-0.009	44.742	-0.033
44.762	-0.047	44.776	-0.028	44.799	-0.009	44.811	0.000
44.825	0.000	44.857	-0.009	44.895	-0.024	44.925	-0.028
44.950	-0.038	44.980	-0.028	45.017	-0.057	45.066	-0.061
45.095	-0.057	45.122	-0.038	45.146	-0.052	45.161	-0.052
45.156	-0.038	45.210	-0.024	45.226	-0.019	45.244	-0.033
45.267	-0.019	45.289	-0.014	45.307	-0.028	45.318	-0.033
45.335	-0.014	45.354	-0.005	45.372	0.000	45.395	0.010
45.414	-0.005	45.427	-0.028	45.442	-0.033	45.462	-0.009
45.480	0.005	45.498	0.005	45.516	-0.009	45.548	-0.014
45.581	-0.009	45.598	-0.009	45.620	-0.014	45.644	-0.009
45.662	-0.009	45.684	-0.009				



121 III

71-071 2/9/71 0600PST ALHAMBRA 900 S. FREMONT AVE. BSMT. SOUTH

2345 POINTS 45.660 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 0.1942 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.091	0.018	0.096	0.029	0.079	0.044	0.058	2.835	-0.028	2.853	-0.053	2.872	-0.028	2.887	0.117	2.902	0.088	2.917	0.117	2.927	0.023
0.060	0.071	0.073	0.088	0.090	0.117	0.103	0.088	2.896	0.223	2.902	0.266	2.917	0.117	2.927	0.023	2.935	0.088	2.947	0.117	2.957	0.142
0.120	0.058	0.145	0.092	0.163	0.092	0.175	0.088	2.935	-0.002	2.950	0.074	2.965	0.181	2.975	0.142	2.985	0.088	2.995	0.181	3.005	0.113
0.193	0.084	0.211	0.071	0.228	0.067	0.241	0.046	3.008	0.045	3.017	-0.066	3.029	-0.011	3.046	0.113	3.056	0.046	3.066	0.011	3.076	0.074
0.260	0.076	0.282	0.059	0.306	0.059	0.316	0.089	3.056	0.138	3.073	0.056	3.094	0.091	3.109	0.074	3.121	0.089	3.131	0.091	3.141	0.232
0.328	0.110	0.344	0.064	0.356	0.038	0.371	0.089	3.134	0.087	3.151	0.159	3.163	0.210	3.179	0.232	3.189	0.089	3.200	0.210	3.210	0.011
0.389	0.166	0.405	0.085	0.419	0.013	0.439	0.077	3.190	0.112	3.206	0.040	3.230	0.230	3.244	-0.011	3.257	0.077	3.269	0.230	3.280	0.100
0.450	0.124	0.461	0.133	0.474	0.111	0.491	0.044	3.257	0.036	3.269	0.104	3.290	0.181	3.308	0.100	3.319	0.044	3.331	0.181	3.341	0.167
0.506	-0.029	0.520	0.068	0.537	0.163	0.552	0.095	3.324	0.070	3.341	0.117	3.358	0.100	3.375	0.167	3.389	0.095	3.404	0.100	3.414	0.003
0.570	0.036	0.584	0.082	0.599	0.138	0.617	0.078	3.419	0.121	3.444	0.070	3.458	0.053	3.475	0.003	3.489	0.078	3.504	0.053	3.514	0.128
0.626	0.040	0.645	0.066	0.674	0.045	0.692	0.032	3.450	0.278	3.508	0.171	3.517	0.074	3.529	-0.003	3.547	0.032	3.568	0.074	3.578	0.003
0.710	0.028	0.727	0.223	0.740	0.083	0.750	0.011	3.547	-0.003	3.568	-0.003	3.591	0.116	3.612	0.128	3.626	0.011	3.640	0.116	3.650	0.094
0.761	0.011	0.777	0.075	0.786	0.135	0.809	0.063	3.626	0.065	3.640	0.031	3.662	0.086	3.680	0.094	3.696	0.063	3.712	0.086	3.722	0.221
0.823	-0.010	0.841	0.076	0.858	0.161	0.877	0.068	3.700	0.103	3.722	0.064	3.747	0.128	3.768	0.221	3.782	0.068	3.804	0.128	3.814	0.170
0.858	-0.017	0.918	0.038	0.933	0.054	0.954	0.056	3.782	0.264	3.814	0.179	3.828	0.119	3.845	0.170	3.866	0.054	3.893	0.119	3.903	0.012
0.971	0.086	0.984	0.137	1.007	0.146	1.024	0.069	3.886	0.093	3.932	0.148	3.932	0.071	3.943	0.012	3.958	0.069	4.000	0.071	4.000	0.054
1.047	0.023	1.081	-0.006	1.105	0.121	1.112	0.173	3.958	0.016	3.973	-0.022	4.000	0.075	4.024	0.054	4.044	0.173	4.057	0.075	4.068	0.028
1.125	0.194	1.139	0.152	1.149	0.054	1.160	-0.005	4.044	0.168	4.057	0.257	4.083	0.108	4.110	-0.028	4.125	0.194	4.157	0.168	4.203	0.099
1.175	0.059	1.190	0.140	1.211	0.080	1.230	0.068	4.136	0.061	4.157	0.129	4.203	0.163	4.231	0.136	4.259	0.068	4.270	0.163	4.282	0.221
1.247	0.094	1.269	0.060	1.293	0.098	1.314	0.103	4.247	0.209	4.259	0.311	4.270	0.209	4.282	0.221	4.295	0.311	4.320	0.209	4.339	0.055
1.337	0.129	1.351	0.078	1.363	0.003	1.372	-0.062	4.304	0.170	4.320	0.047	4.339	-0.055	4.370	0.055	4.407	0.047	4.424	-0.055	4.437	0.017
1.385	0.036	1.399	0.155	1.413	0.214	1.424	0.159	4.387	0.042	4.407	0.055	4.424	0.055	4.448	0.017	4.471	0.159	4.484	0.055	4.500	0.067
1.441	-0.002	1.455	-0.100	1.473	0.045	1.489	0.211	4.462	0.118	4.471	0.225	4.494	0.144	4.500	0.067	4.516	0.211	4.536	0.144	4.549	0.169
1.509	0.045	1.524	-0.052	1.542	0.092	1.560	0.199	4.523	0.008	4.536	-0.009	4.556	0.088	4.570	0.169	4.584	0.092	4.600	0.088	4.619	0.074
1.578	0.182	1.596	0.046	1.605	-0.043	1.616	-0.073	4.582	0.007	4.600	0.154	4.622	0.075	4.637	0.050	4.657	0.046	4.673	0.154	4.685	0.105
1.629	-0.035	1.645	0.102	1.663	0.204	1.684	0.166	4.657	0.079	4.673	0.053	4.685	0.249	4.698	0.105	4.718	-0.053	4.730	0.249	4.744	-0.040
1.710	0.230	1.722	0.149	1.740	0.034	1.761	0.064	4.704	0.007	4.718	-0.053	4.730	-0.036	4.744	-0.040	4.758	0.064	4.768	-0.036	4.782	0.125
1.779	0.001	1.792	-0.042	1.814	0.069	1.830	0.154	4.758	-0.053	4.783	0.056	4.788	-0.015	4.798	-0.125	4.822	0.154	4.829	0.056	4.838	0.253
1.850	0.078	1.864	0.022	1.894	0.180	1.911	0.120	4.805	-0.155	4.822	0.070	4.829	0.206	4.838	0.253	4.858	0.120	4.872	0.206	4.883	0.121
1.938	0.065	1.966	0.154	1.989	0.031	2.010	0.099	4.858	0.168	4.872	0.056	4.883	0.049	4.911	0.121	4.931	0.099	4.948	0.049	4.966	0.074
2.028	0.031	2.052	0.125	2.073	0.087	2.091	0.053	4.931	0.028	4.948	-0.031	4.966	0.019	4.984	0.074	5.015	0.028	5.032	0.019	5.047	0.091
2.109	0.006	2.124	-0.032	2.139	0.091	2.151	0.176	5.015	0.232	5.032	0.232	5.047	0.019	5.062	0.091	5.072	0.232	5.087	0.232	5.096	0.172
2.175	0.227	2.193	0.108	2.208	0.049	2.229	0.121	5.058	0.257	5.072	0.278	5.087	0.227	5.096	0.172	5.115	0.257	5.139	0.227	5.155	0.091
2.242	0.172	2.263	0.168	2.278	0.117	2.293	0.070	5.104	0.130	5.115	0.057	5.139	-0.002	5.155	0.091	5.170	0.070	5.210	-0.002	5.225	0.006
2.329	0.159	2.358	0.087	2.378	0.002	2.385	0.062	5.170	0.057	5.192	0.121	5.210	0.062	5.225	0.006	5.243	0.057	5.276	0.121	5.310	0.151
2.400	0.053	2.422	0.087	2.446	0.096	2.462	0.130	5.243	0.036	5.258	0.172	5.276	0.155	5.285	0.151	5.306	0.096	5.348	-0.155	5.368	0.015
2.513	0.057	2.539	0.070	2.567	-0.019	2.583	0.079	5.325	0.036	5.334	-0.104	5.348	-0.155	5.358	0.015	5.375	0.079	5.413	0.142	5.432	0.096
2.597	0.185	2.627	0.236	2.646	0.125	2.662	0.023	5.361	0.138	5.395	0.181	5.413	0.142	5.422	0.096	5.445	0.125	5.485	0.142	5.499	0.338
2.679	0.142	2.694	0.223	2.713	0.155	2.738	0.049	5.456	0.130	5.474	0.261	5.485	0.142	5.499	0.338	5.515	0.155	5.545	0.261	5.558	0.003
2.761	0.011	2.779	0.096	2.797	0.168	2.818	0.087	5.522	0.244	5.531	0.189	5.542	0.155	5.558	0.003	5.575	0.168	5.595	0.189	5.615	0.003



5.582	0.091	5.595	0.002	5.611	-0.023	5.633	0.057	8.753	-0.086	8.770	-0.163	8.794	-0.112	8.808	-0.210
5.646	0.125	5.667	0.091	5.686	0.164	5.707	0.215	8.820	-0.465	8.830	-0.631	8.839	-0.652	8.857	-0.219
5.731	0.057	5.750	0.036	5.772	-0.083	5.797	-0.083	8.871	0.044	8.885	-0.126	8.895	-0.526	8.905	-0.806
5.810	-0.147	5.825	-0.172	5.841	-0.070	5.854	0.057	8.928	-0.972	8.951	-1.138	8.962	-1.075	8.974	-0.739
5.864	0.121	5.888	0.100	5.903	-0.056	5.923	-0.032	8.983	-0.488	9.001	-0.276	9.018	-0.429	9.030	-0.710
5.937	-0.185	5.951	-0.266	5.966	-0.185	5.979	0.070	9.044	-0.829	9.060	-0.621	9.070	-0.158	9.081	-0.390
5.984	0.189	5.998	0.261	6.020	0.223	6.038	0.197	9.090	0.764	9.096	0.938	9.107	0.730	9.114	0.445
6.060	0.252	6.083	0.074	6.093	-0.071	6.103	-0.126	9.122	0.100	9.137	-0.218	9.155	-0.024	9.169	0.516
6.123	0.048	6.138	0.176	6.157	0.099	6.165	0.014	9.178	0.716	9.189	0.860	9.199	0.703	9.204	0.478
6.186	0.044	6.203	0.057	6.226	0.231	6.242	0.460	9.211	0.252	9.220	-0.219	9.234	-0.441	9.249	-0.067
6.263	0.626	6.278	0.838	6.291	0.579	6.306	0.894	9.264	0.226	9.279	0.664	9.292	-0.195	9.302	-0.263
6.318	0.707	6.327	0.460	6.336	0.231	6.351	0.069	9.314	-0.204	9.339	0.340	9.354	0.960	9.368	1.147
6.377	0.116	6.390	0.073	6.409	-0.165	6.428	-0.339	9.355	0.798	9.415	0.267	9.435	-0.171	9.442	-0.036
6.445	-0.161	6.461	0.018	6.479	-0.186	6.490	-0.365	9.475	0.092	9.492	0.092	9.518	-0.606	9.533	0.057
6.501	-0.467	6.520	-0.233	6.536	-0.042	6.553	-0.068	9.544	-0.364	9.563	-0.747	9.577	-0.606	9.592	-0.492
6.568	-0.076	6.582	-0.217	6.591	-0.429	6.596	-0.591	9.606	-0.479	9.625	-0.263	9.648	0.349	9.664	0.799
6.604	-0.671	6.616	-0.523	6.621	-0.264	6.628	-0.026	9.678	0.965	9.695	0.701	9.713	0.390	9.736	0.564
6.634	0.208	6.643	0.280	6.655	0.119	6.663	-0.073	9.751	0.118	9.772	-0.311	9.790	0.041	9.800	0.355
6.670	-0.277	6.680	-0.566	6.692	-0.277	6.707	0.068	9.813	0.487	9.835	0.459	9.858	0.163	9.873	-0.092
6.728	0.072	6.742	0.025	6.757	-0.022	6.766	0.042	9.888	-0.194	9.917	-0.173	9.940	-0.097	9.959	-0.106
6.777	0.280	6.791	0.569	6.803	0.717	6.816	0.611	9.979	0.681	9.994	0.225	10.008	0.089	10.021	-0.128
6.826	0.373	6.833	0.122	6.842	-0.061	6.848	-0.137	10.031	-0.383	10.047	-0.506	10.073	-0.133	10.093	0.169
6.867	0.169	6.875	0.373	6.884	0.517	6.901	0.330	10.107	0.271	10.120	0.211	10.138	-0.078	10.149	-0.095
6.910	0.101	6.920	-0.112	6.929	-0.167	6.943	0.041	10.168	0.168	10.179	0.257	10.192	0.121	10.205	0.636
6.949	0.190	6.955	0.415	6.962	0.653	6.973	0.806	10.225	0.303	10.253	0.732	10.269	0.821	10.283	0.715
6.985	0.662	6.991	0.424	6.997	0.139	7.007	-0.108	10.300	0.162	10.316	-0.374	10.326	-0.480	10.344	-0.238
7.017	-0.261	7.027	-0.201	7.042	0.096	7.049	0.232	10.353	-0.102	10.365	-0.043	10.380	-0.614	10.396	-0.187
7.059	0.334	7.069	0.279	7.086	0.020	7.097	0.133	10.428	-0.605	10.449	0.123	10.463	0.059	10.480	-0.213
7.106	-0.189	7.126	-0.091	7.142	-0.014	7.166	-0.095	10.493	-0.507	10.503	-0.515	10.527	-0.613	10.544	-0.779
7.186	-0.159	7.198	-0.061	7.212	0.245	7.217	0.398	10.558	-0.889	10.583	-0.469	10.594	-0.155	10.608	-0.002
7.230	0.538	7.247	0.347	7.267	0.092	7.290	0.155	10.626	0.015	10.657	0.227	10.679	0.359	10.695	0.223
7.310	-0.053	7.322	-0.181	7.338	0.057	7.347	0.266	10.705	0.019	10.716	-0.134	10.728	-0.202	10.749	-0.092
7.353	0.440	7.362	0.533	7.374	0.461	7.389	0.219	10.767	0.002	10.795	-0.152	10.820	0.069	10.844	-0.118
7.400	-0.049	7.412	-0.402	7.421	-0.598	7.430	-0.670	10.868	-0.003	10.891	-0.675	10.913	0.244	10.925	0.478
7.451	-0.343	7.461	0.125	7.472	0.401	7.482	0.520	11.050	0.453	11.065	0.331	11.079	-0.017	11.086	-0.042
7.499	0.337	7.515	0.044	7.527	-0.135	7.538	-0.182	11.114	0.345	11.117	0.370	11.122	0.356	11.131	0.272
7.551	-0.071	7.571	0.341	7.580	0.481	7.604	0.544	11.094	0.009	11.098	0.068	11.102	0.162	11.109	0.272
7.623	0.731	7.638	0.897	7.652	0.820	7.659	0.536	11.139	0.167	11.154	-0.165	11.162	-0.403	11.172	-0.466
7.669	0.200	7.679	-0.047	7.700	-0.276	7.712	-0.536	11.178	-0.445	11.193	-0.173	11.204	0.619	11.214	0.636
7.721	-0.659	7.730	-0.714	7.750	-0.264	7.760	0.110	11.225	-0.024	11.234	-0.189	11.244	-0.402	11.255	-0.457
7.772	0.403	7.785	0.492	7.808	0.280	7.823	0.110	11.267	-0.444	11.275	-0.435	11.292	-0.545	11.314	-0.766
7.841	0.024	7.859	-0.061	7.884	-0.006	7.904	-0.159	11.327	-0.834	11.336	-0.821	11.350	-0.698	11.368	-0.277
7.925	-0.032	7.943	-0.249	7.958	-0.457	7.979	-0.245	11.378	-0.098	11.386	-0.068	11.393	-0.119	11.405	-0.221
7.994	-0.453	8.003	-0.717	8.011	-0.980	8.025	-1.172	11.411	-0.255	11.420	-0.187	11.432	0.005	11.446	0.298
8.045	-0.619	8.054	-0.135	8.063	0.396	8.072	0.736	11.455	0.485	11.464	0.587	11.475	0.638	11.482	0.647
8.086	0.952	8.106	0.786	8.124	0.493	8.133	0.455	11.493	0.566	11.503	0.498	11.513	0.452	11.524	0.507
8.153	0.459	8.166	0.263	8.179	-0.009	8.187	-0.294	11.542	0.699	11.550	0.809	11.557	0.831	11.564	0.848
8.207	-0.528	8.228	-0.222	8.243	0.139	8.253	0.284	11.572	0.818	11.590	0.648	11.600	0.500	11.608	0.432
8.268	0.143	8.274	0.024	8.284	-0.031	8.301	0.113	11.623	0.385	11.633	0.347	11.653	0.228	11.659	0.177
8.315	0.236	8.342	0.236	8.356	0.359	8.373	0.712	11.669	0.152	11.682	0.241	11.705	0.594	11.713	0.760
8.386	0.898	8.393	0.945	8.406	0.945	8.428	1.041	11.722	0.824	11.726	0.827	11.732	0.812	11.743	0.727
8.440	0.566	8.448	0.724	8.457	0.439	8.468	0.141	11.760	0.599	11.769	0.498	11.778	0.400	11.789	0.192
8.482	-0.059	8.502	0.239	8.527	0.311	8.555	0.510	11.803	-0.033	11.812	-0.237	11.819	-0.352	11.833	-0.394
8.576	0.587	8.592	0.501	8.612	0.187	8.630	-0.193	11.847	-0.330	11.867	-0.020	11.874	0.094	11.881	0.133
8.647	-0.311	8.675	0.080	8.685	0.407	8.697	0.713	11.895	0.056	11.918	-0.657	11.933	-0.191	11.947	-0.233
8.707	0.828	8.720	0.632	8.729	0.309	8.739	0.109								



11.975	-0.169	11.982	0.022	11.983	0.022	11.997	0.170	15.234	-0.181	15.249	-0.168	15.270	-0.237	15.292	-0.271
12.006	0.136	12.023	-0.029	12.028	-0.080	12.037	-0.102	15.309	-0.292	15.328	-0.267	15.351	-0.369	15.362	-0.426
12.049	-0.351	12.067	0.225	12.075	0.344	12.085	0.404	15.391	-0.105	15.409	-0.020	15.427	0.150	15.442	0.205
12.093	0.399	12.108	0.183	12.116	0.089	12.124	0.072	15.454	0.214	15.471	0.120	15.487	0.031	15.457	0.031
12.139	0.106	12.158	0.327	12.171	0.442	12.178	0.463	15.518	0.158	15.533	0.250	15.547	0.367	15.573	0.375
12.194	0.344	12.211	0.157	12.219	0.084	12.232	0.165	15.593	0.371	15.611	0.307	15.625	0.218	15.639	0.184
12.244	0.327	12.254	0.369	12.263	0.310	12.277	0.056	15.667	0.209	15.687	0.213	15.711	0.277	15.732	0.171
12.287	-0.269	12.296	-0.307	12.310	-0.243	12.324	-0.201	15.748	-0.007	15.757	-0.052	15.781	-0.122	15.802	-0.143
12.330	-0.188	12.339	-0.218	12.351	-0.269	12.366	-0.248	15.823	-0.101	15.844	-0.003	15.850	0.018	15.868	-0.034
12.387	-0.201	12.399	-0.142	12.411	-0.133	12.421	-0.155	15.892	-0.067	15.909	-0.079	15.943	-0.020	15.957	0.035
12.439	-0.236	12.450	-0.265	12.454	-0.223	12.477	0.057	15.971	0.044	15.993	0.001	16.007	-0.037	16.025	-0.020
12.487	0.346	12.500	0.508	12.508	0.529	12.517	0.478	16.055	-0.079	16.069	-0.096	16.095	-0.071	16.118	-0.117
12.533	0.235	12.547	0.108	12.560	-0.011	12.572	-0.067	16.133	-0.164	16.151	-0.168	16.181	-0.126	16.205	-0.066
12.586	-0.024	12.604	0.162	12.627	0.553	12.636	0.059	16.239	-0.049	16.256	-0.015	16.275	-0.074	16.300	-0.125
12.642	0.681	12.650	0.634	12.669	0.408	12.681	0.141	16.326	-0.056	16.354	-0.045	16.380	0.006	16.411	0.035
12.692	0.256	12.710	0.038	12.735	-0.034	12.759	-0.170	16.441	-0.054	16.453	-0.071	16.482	-0.046	16.485	0.021
12.784	-0.256	12.808	-0.366	12.820	-0.356	12.836	-0.358	16.497	0.175	16.513	0.175	16.532	0.051	16.544	0.021
12.849	-0.388	12.863	-0.494	12.871	-0.562	12.885	-0.566	16.556	0.030	16.570	0.051	16.585	0.055	16.602	0.004
12.901	-0.332	12.915	-0.537	12.930	-0.507	12.940	-0.460	16.619	-0.018	16.636	0.029	16.654	0.050	16.672	-0.006
12.945	-0.452	12.958	-0.490	12.971	-0.532	12.979	-0.545	16.693	-0.155	16.707	-0.180	16.732	-0.138	16.755	-0.113
12.981	-0.498	13.012	-0.290	13.021	-0.154	13.036	-0.133	16.766	-0.053	16.788	0.087	16.809	0.180	16.837	0.201
13.045	-0.146	13.058	-0.222	13.073	-0.239	13.100	0.015	16.859	0.209	16.885	0.217	16.902	0.220	16.927	0.156
13.109	0.518	13.121	0.313	13.145	0.347	13.155	0.398	16.950	0.143	16.978	0.112	16.994	0.159	17.007	0.273
13.173	0.238	13.180	0.589	13.191	0.593	13.204	0.551	17.022	0.332	17.039	0.250	17.063	0.161	17.079	0.160
13.218	0.432	13.232	0.304	13.241	0.249	13.256	0.215	17.092	0.182	17.105	0.275	17.119	0.305	17.131	0.275
13.273	0.126	13.280	0.092	13.302	0.104	13.330	0.185	17.150	0.247	17.173	0.150	17.196	0.201	17.211	0.234
13.341	0.202	13.358	0.134	13.366	0.036	13.377	0.015	17.229	0.242	17.250	0.174	17.265	0.161	17.291	0.169
13.401	0.087	13.406	0.248	13.418	0.316	13.430	0.291	17.314	0.109	17.354	0.027	17.367	-0.003	17.392	0.144
13.445	0.155	13.456	0.048	13.469	0.006	13.491	0.031	17.401	0.042	17.421	0.156	17.446	0.068	17.462	0.008
13.502	0.031	13.512	-0.024	13.527	-0.139	13.540	-0.164	17.481	0.042	17.502	0.152	17.517	0.169	17.550	0.109
13.551	-0.122	13.566	0.056	13.575	0.026	13.584	0.129	17.574	0.070	17.601	0.117	17.629	0.167	17.657	0.141
13.613	0.031	13.629	0.001	13.648	0.026	13.662	0.107	17.672	0.107	17.693	0.162	17.709	0.200	17.734	0.127
13.673	0.149	13.687	0.064	13.703	0.001	13.715	-0.038	17.751	0.038	17.768	0.042	17.786	0.101	17.800	0.181
13.729	-0.076	13.762	-0.225	13.781	-0.284	13.801	-0.331	17.820	0.126	17.836	0.051	17.849	0.125	17.865	0.155
13.813	-0.306	13.835	-0.064	13.852	0.098	13.868	0.166	17.876	0.104	17.886	-0.058	17.907	-0.194	17.922	-0.262
13.881	0.348	13.893	0.387	13.907	0.374	13.918	0.276	17.939	-0.219	17.957	-0.101	17.966	-0.075	17.981	-0.118
13.929	0.242	13.941	0.289	13.959	0.310	13.964	0.302	18.022	-0.288	18.036	-0.309	18.069	-0.178	18.093	-0.114
13.985	0.068	13.997	-0.030	14.009	-0.073	14.027	-0.026	18.121	-0.114	18.138	-0.072	18.164	0.123	18.174	0.131
14.048	0.170	14.061	0.255	14.072	0.255	14.091	0.233	18.201	0.195	18.231	0.238	18.272	0.208	18.299	0.233
14.111	0.250	14.128	0.246	14.144	0.169	14.165	0.016	18.338	0.245	18.367	0.211	18.393	0.215	18.414	0.194
14.174	-0.035	14.192	-0.001	14.207	0.050	14.223	0.046	18.450	0.087	18.467	0.053	18.488	0.078	18.501	0.095
14.244	-0.048	14.256	-0.082	14.274	-0.039	14.289	0.067	18.549	0.012	18.566	-0.003	18.589	-0.025	18.621	-0.106
14.303	0.101	14.317	0.050	14.332	-0.043	14.339	-0.060	18.647	-0.102	18.678	-0.115	18.702	-0.120	18.722	-0.082
14.368	0.025	14.385	0.139	14.415	0.262	14.439	0.505	18.734	-0.052	18.750	-0.112	18.763	-0.171	18.775	-0.159
14.452	0.624	14.469	0.666	14.487	0.649	14.502	0.636	18.808	-0.044	18.827	-0.002	18.844	-0.045	18.869	-0.011
14.518	0.670	14.537	0.700	14.551	0.615	14.565	0.415	18.907	-0.029	18.949	0.042	18.979	0.122	18.995	0.156
14.577	0.258	14.589	0.207	14.603	0.220	14.615	0.367	19.046	0.108	19.078	0.120	19.091	0.167	19.103	0.230
14.628	0.322	14.635	0.577	14.648	0.577	14.661	0.454	19.118	0.272	19.145	0.225	19.167	0.140	19.180	0.097
14.675	0.224	14.685	0.114	14.695	0.114	14.709	0.186	19.204	0.130	19.234	0.130	19.265	0.133	19.284	0.167
14.722	0.254	14.731	0.284	14.752	0.250	14.772	0.199	19.304	0.149	19.323	0.051	19.335	-0.021	19.352	-0.039
14.800	0.165	14.820	0.114	14.842	-0.018	14.856	-0.065	19.377	-0.010	19.394	0.041	19.417	-0.062	19.435	-0.109
14.875	0.037	14.888	0.241	14.902	0.343	14.908	0.356	19.457	-0.131	19.470	-0.182	19.483	-0.208	19.502	-0.140
14.923	0.309	14.937	0.258	14.964	0.262	14.983	0.279	19.538	0.076	19.561	0.122	19.580	0.113	19.608	0.040
14.998	0.300	15.018	0.206	15.039	0.104	15.057	0.062	19.632	0.009	19.651	0.034	19.673	0.106	19.696	0.159
15.076	0.062	15.088	0.032	15.114	-0.091	15.129	-0.210	19.708	0.233	19.729	0.202	19.747	0.104	19.767	0.010
15.141	-0.274	15.171	-0.296	15.189	-0.325	15.216	-0.266	19.788	0.005	19.820	0.107	19.836	0.161	19.854	0.148



19.883	0.054	19.907	-0.095	19.918	-0.138	19.933	-0.134	24.427	0.055	24.457	0.051	24.475	0.013	24.492	0.038
19.959	-0.092	19.983	-0.042	20.001	0.009	20.021	-0.034	24.515	-0.034	24.536	-0.008	24.559	0.017	24.585	0.017
20.043	-0.056	20.079	-0.129	20.097	-0.096	20.117	-0.040	24.586	0.000	24.614	-0.038	24.644	0.047	24.663	0.034
20.133	0.090	20.163	0.047	20.183	-0.136	20.203	-0.036	24.686	0.004	24.716	-0.025	24.722	-0.004	24.743	0.009
20.199	-0.201	20.211	-0.222	20.226	-0.193	20.237	-0.036	24.763	-0.047	24.782	-0.017	24.805	-0.004	24.827	-0.013
20.275	-0.006	20.288	0.039	20.314	0.001	20.335	-0.038	24.852	-0.013	24.869	0.034	24.886	0.000	24.908	-0.034
20.360	-0.069	20.381	-0.069	20.408	-0.023	20.435	0.032	24.931	-0.042	24.965	0.012	24.986	0.018	25.001	0.077
20.453	0.052	20.480	0.018	20.498	-0.042	20.519	-0.055	25.027	0.073	25.043	0.048	25.065	0.005	25.076	-0.012
20.538	0.021	20.556	0.186	20.566	0.216	20.581	0.198	25.106	0.052	25.123	0.040	25.157	0.035	25.175	0.065
20.596	0.113	20.607	0.096	20.626	0.129	20.644	0.171	25.191	0.082	25.215	0.031	25.241	-0.041	25.263	-0.045
20.670	0.137	20.687	0.107	20.721	0.123	20.755	0.109	25.290	-0.015	25.317	-0.037	25.344	-0.095	25.363	-0.078
20.788	0.113	20.813	0.061	20.821	-0.003	20.843	-0.016	25.384	-0.044	25.406	-0.039	25.425	-0.023	25.443	-0.031
20.864	0.039	20.890	0.072	20.918	0.008	20.941	0.052	25.468	-0.048	25.488	0.040	25.509	-0.043	25.533	-0.031
20.967	-0.142	20.988	-0.227	20.998	-0.236	21.029	-0.177	25.553	-0.030	25.576	-0.030	25.604	-0.017	25.631	0.034
21.049	-0.156	21.079	-0.144	21.097	-0.136	21.126	-0.179	25.647	0.008	25.675	-0.042	25.697	-0.042	25.730	-0.046
21.140	-0.222	21.177	-0.176	21.192	-0.134	21.209	-0.079	25.748	-0.046	25.772	-0.067	25.799	-0.012	25.811	0.005
21.236	-0.080	21.299	-0.034	21.362	0.058	21.394	0.095	25.840	0.065	25.869	0.065	25.895	0.010	25.910	-0.016
21.432	0.073	21.451	0.069	21.477	0.106	21.504	0.191	25.934	-0.054	25.955	-0.020	25.985	-0.042	26.019	-0.089
21.522	0.246	21.543	0.228	21.560	0.202	21.570	0.164	26.039	-0.080	26.062	-0.063	26.092	-0.004	26.108	0.018
21.590	0.108	21.606	0.099	21.623	0.086	21.632	0.056	26.123	0.035	26.146	0.017	26.169	0.017	26.189	0.017
21.645	-0.012	21.656	-0.084	21.671	-0.131	21.685	-0.157	26.215	0.009	26.235	0.009	26.265	-0.047	26.290	-0.013
21.702	-0.166	21.725	-0.154	21.739	-0.154	21.755	-0.188	26.305	0.000	26.328	-0.008	26.353	0.008	26.372	-0.009
21.776	-0.172	21.798	-0.155	21.812	-0.063	21.838	-0.123	26.389	-0.014	26.412	0.041	26.426	0.052	26.442	0.134
21.853	-0.016	21.865	0.001	21.885	-0.098	21.961	-0.136	26.461	0.074	26.487	0.023	26.516	-0.012	26.542	-0.016
21.911	-0.157	21.922	-0.140	21.945	-0.098	21.961	-0.136	26.572	0.000	26.606	0.038	26.629	0.025	26.662	0.011
21.976	-0.162	21.996	-0.090	22.012	-0.022	22.029	0.007	26.693	-0.006	26.712	-0.006	26.732	0.010	26.756	-0.007
22.049	-0.010	22.068	-0.032	22.095	-0.028	22.118	-0.015	26.773	-0.037	26.794	-0.033	26.814	-0.042	26.837	-0.030
22.138	0.014	22.158	0.069	22.173	0.107	22.186	0.128	26.856	0.017	26.879	0.034	26.903	0.020	26.924	0.002
22.206	0.077	22.220	0.030	22.235	0.005	22.251	-0.047	26.941	0.006	26.958	0.037	26.982	0.065	27.016	0.004
22.271	-0.034	22.286	-0.056	22.307	0.033	22.322	0.088	27.041	0.004	27.062	0.012	27.085	0.045	27.104	0.087
22.335	0.057	22.349	0.063	22.362	0.003	22.372	-0.048	27.120	0.125	27.147	0.066	27.173	0.052	27.188	-0.008
22.384	-0.086	22.398	-0.077	22.409	-0.052	22.426	-0.026	27.211	-0.009	27.240	0.033	27.264	0.015	27.288	-0.006
22.443	-0.073	22.459	-0.107	22.478	-0.043	22.495	0.008	27.313	-0.045	27.343	0.020	27.365	0.018	27.390	0.047
22.508	0.025	22.532	-0.052	22.553	-0.103	22.569	-0.073	27.406	0.060	27.422	0.047	27.436	-0.013	27.458	-0.022
22.566	-0.030	22.604	-0.030	22.626	-0.026	22.644	-0.026	27.484	0.003	27.508	0.011	27.542	-0.015	27.563	-0.036
22.665	-0.085	22.685	-0.119	22.704	-0.081	22.726	-0.013	27.587	-0.071	27.608	-0.058	27.627	-0.025	27.651	0.009
22.740	0.034	22.754	0.038	22.775	0.013	22.798	0.004	27.678	-0.042	27.700	-0.044	27.724	-0.081	27.746	-0.086
22.815	-0.013	22.827	-0.013	22.857	0.038	22.878	-0.004	27.769	-0.052	27.792	-0.048	27.811	-0.057	27.831	-0.062
22.893	-0.034	22.911	0.005	22.934	0.022	22.951	0.009	27.854	-0.040	27.881	-0.032	27.897	-0.032	27.917	-0.028
22.976	-0.025	22.994	0.014	23.013	0.065	23.036	0.116	27.934	-0.041	27.959	-0.056	27.980	-0.062	27.998	-0.058
23.058	0.154	23.070	0.163	23.087	0.112	23.114	0.027	28.027	-0.011	28.051	-0.028	28.067	-0.037	28.090	-0.011
23.140	0.031	23.163	-0.071	23.180	-0.113	23.211	-0.088	28.110	0.010	28.125	0.027	28.146	0.040	28.167	0.010
23.237	-0.083	23.257	-0.138	23.272	-0.177	23.304	-0.078	28.181	-0.011	28.202	0.018	28.229	0.048	28.256	-0.007
23.327	-0.104	23.347	-0.083	23.370	-0.027	23.391	-0.112	28.274	-0.037	28.304	-0.070	28.332	-0.029	28.353	0.014
23.410	-0.121	23.436	-0.142	23.458	-0.129	23.482	-0.112	28.368	0.031	28.397	0.018	28.421	0.043	28.442	0.052
23.504	-0.128	23.521	-0.120	23.549	-0.077	23.568	-0.111	28.457	0.039	28.479	0.001	28.492	-0.008	28.514	0.022
23.586	-0.132	23.611	-0.068	23.637	-0.026	23.656	-0.025	28.537	0.039	28.558	0.038	28.586	0.030	28.616	-0.004
23.676	-0.021	23.698	-0.021	23.719	-0.072	23.738	-0.118	28.635	-0.038	28.657	-0.064	28.676	-0.064	28.698	-0.047
23.758	-0.127	23.778	-0.101	23.796	-0.076	23.823	-0.088	28.719	-0.047	28.739	-0.056	28.756	-0.052	28.781	-0.047
23.840	-0.046	23.857	-0.007	23.878	-0.028	23.899	-0.037	28.790	-0.043	28.810	-0.056	28.828	-0.056	28.843	-0.056
23.922	0.002	23.946	0.049	23.969	0.078	23.989	0.074	28.863	-0.057	28.876	-0.061	28.897	-0.100	28.920	-0.130
24.012	0.066	24.029	0.024	24.049	-0.014	24.069	0.024	28.940	-0.130	28.959	-0.064	28.986	-0.029	29.003	-0.051
24.089	0.075	24.107	0.084	24.123	0.118	24.147	0.177	29.029	-0.094	29.049	-0.098	29.077	-0.077	29.107	-0.048
24.163	0.165	24.182	0.144	24.204	0.088	24.234	0.046	29.137	-0.006	29.158	-0.053	29.181	-0.113	29.197	-0.122
24.256	0.080	24.274	0.114	24.297	0.085	24.322	0.055	29.211	-0.080	29.232	-0.033	29.252	-0.021	29.260	-0.000
24.348	0.017	24.375	0.051	24.392	0.047	24.411	0.055	29.304	-0.013	29.325	-0.026	29.350	-0.048	29.368	-0.023



29.391	0.024	29.407	0.028	29.432	0.023	29.450	0.061	34.671	-0.071	34.657	-0.050	34.725	-0.063	34.748	-0.029
29.466	0.082	29.482	0.057	29.500	0.039	29.514	0.035	34.762	-0.037	34.774	-0.067	34.797	-0.054	34.819	-0.054
29.534	0.060	29.557	0.085	29.574	0.084	29.595	0.042	34.838	-0.054	34.878	-0.007	34.900	0.014	34.914	0.006
29.616	0.046	29.640	0.046	29.657	0.037	29.679	0.024	34.933	-0.011	34.963	-0.016	34.992	-0.024	35.014	-0.011
29.701	0.037	29.721	0.032	29.747	0.023	29.771	0.007	35.024	-0.020	35.047	-0.083	35.056	-0.113	35.078	-0.100
29.797	-0.058	29.816	-0.075	29.836	-0.075	29.859	-0.071	35.098	-0.071	35.119	-0.041	35.131	-0.011	35.152	-0.036
29.880	-0.097	29.898	-0.101	29.913	-0.101	29.936	-0.075	35.184	-0.117	35.202	-0.143	35.218	-0.117	35.236	-0.079
29.951	-0.059	29.971	-0.059	29.996	-0.046	30.012	-0.046	35.250	-0.057	35.268	-0.074	35.291	-0.079	35.315	-0.100
30.036	-0.067	30.065	-0.080	30.090	-0.080	30.109	-0.080	35.339	-0.100	35.359	-0.087	35.372	-0.074	35.393	-0.087
30.135	-0.097	30.156	-0.076	30.176	-0.063	30.202	-0.076	35.413	-0.100	35.436	-0.083	35.449	-0.066	35.478	-0.070
30.230	-0.102	30.244	-0.110	30.269	-0.076	30.295	-0.051	35.503	-0.066	35.517	-0.062	35.534	-0.036	35.548	-0.066
30.317	-0.042	30.337	-0.042	30.362	-0.047	30.386	-0.039	35.564	-0.113	35.577	-0.104	35.593	-0.057	35.603	-0.006
30.411	-0.030	30.423	-0.030	30.449	-0.039	30.481	-0.014	35.618	-0.019	35.631	-0.011	35.646	-0.083	35.664	-0.091
30.519	-0.052	30.547	-0.023	30.574	-0.006	30.598	0.019	35.675	-0.066	35.691	-0.040	35.708	-0.040	35.724	-0.066
30.626	0.027	30.645	0.027	30.677	0.001	30.709	0.010	35.738	-0.062	35.759	-0.062	35.773	-0.108	35.785	-0.117
30.737	-0.016	30.760	0.001	30.790	0.030	30.812	0.013	35.798	-0.113	35.814	-0.053	35.835	-0.023	35.851	-0.045
30.836	-0.009	30.864	-0.035	30.887	-0.048	30.913	-0.032	35.869	-0.087	35.879	-0.104	35.899	-0.096	35.923	-0.083
30.933	-0.011	30.954	0.006	30.975	-0.050	31.004	-0.110	35.951	-0.075	35.967	-0.049	35.978	-0.024	35.988	-0.041
31.022	-0.123	31.045	-0.081	31.066	-0.044	31.087	-0.048	36.006	-0.096	36.025	-0.121	36.045	-0.100	36.064	-0.083
31.109	-0.070	31.138	-0.092	31.158	-0.101	31.186	-0.085	36.085	-0.062	36.106	-0.032	36.124	-0.011	36.141	-0.007
31.218	-0.064	31.248	-0.069	31.276	-0.057	31.306	-0.062	36.163	-0.045	36.176	-0.058	36.197	-0.050	36.205	-0.041
31.335	-0.075	31.366	-0.064	31.394	-0.056	31.421	-0.078	36.228	-0.054	36.243	-0.058	36.268	-0.028	36.288	-0.005
31.458	-0.053	31.483	-0.058	31.508	-0.046	31.524	-0.042	36.306	-0.031	36.319	0.022	36.337	-0.033	36.351	-0.046
31.546	-0.035	31.569	-0.052	31.595	-0.036	31.625	-0.028	36.359	-0.033	36.376	-0.029	36.398	-0.059	36.412	-0.067
31.637	-0.033	31.656	-0.042	31.681	-0.034	31.711	-0.048	36.432	-0.059	36.446	-0.063	36.469	-0.114	36.482	-0.140
31.732	-0.078	31.750	-0.087	31.776	-0.066	31.804	-0.059	36.505	-0.136	36.528	-0.094	36.548	-0.060	36.576	-0.039
31.829	-0.038	31.860	-0.034	31.881	-0.056	31.897	-0.078	36.550	-0.064	36.567	-0.077	36.585	-0.069	36.603	-0.018
31.924	-0.086	31.943	-0.087	31.970	-0.087	31.994	-0.088	36.667	0.016	36.684	-0.010	36.708	-0.044	36.732	-0.061
32.014	-0.092	32.035	-0.088	32.067	-0.080	32.094	-0.077	36.758	-0.027	36.781	0.015	36.801	0.028	36.816	-0.007
32.121	-0.077	32.140	-0.073	32.161	-0.073	32.186	-0.074	36.836	-0.057	36.850	-0.056	36.878	-0.109	36.902	-0.084
32.198	-0.074	32.220	-0.079	32.242	-0.058	32.266	-0.092	36.915	-0.062	36.935	-0.043	36.949	-0.093	36.970	-0.110
32.265	-0.076	32.301	-0.059	32.319	-0.042	32.337	-0.034	36.990	-0.097	37.017	-0.144	37.036	-0.149	37.060	-0.166
32.354	-0.043	32.370	-0.081	32.381	-0.102	32.398	-0.085	37.088	-0.175	37.107	-0.158	37.124	-0.116	37.142	-0.086
32.421	-0.060	32.441	-0.064	32.463	-0.077	32.488	-0.086	37.163	-0.091	37.181	-0.082	37.196	-0.078	37.214	-0.100
32.512	-0.107	32.544	-0.099	32.574	-0.108	32.621	-0.087	37.235	-0.117	37.263	-0.083	37.280	-0.041	37.297	-0.024
32.653	-0.091	32.685	-0.096	32.717	-0.117	32.736	-0.104	37.316	-0.034	37.338	-0.064	37.372	-0.067	37.397	-0.046
32.753	-0.092	32.787	-0.096	32.797	-0.105	32.813	-0.109	37.416	-0.059	37.437	-0.068	37.479	-0.039	37.485	-0.056
32.839	-0.097	32.866	-0.075	32.897	-0.076	32.915	-0.076	37.525	-0.091	37.545	-0.116	37.584	-0.121	37.605	-0.096
32.933	-0.105	32.945	-0.122	32.965	-0.118	32.996	-0.118	37.647	-0.088	37.676	-0.105	37.702	-0.093	37.734	-0.085
33.028	-0.097	33.065	-0.072	33.091	-0.042	33.113	-0.016	37.750	-0.047	37.768	-0.034	37.786	-0.039	37.807	-0.026
33.122	-0.012	33.144	-0.029	33.176	-0.042	33.191	-0.034	37.817	-0.035	37.845	-0.044	37.883	-0.044	37.912	-0.048
33.212	-0.076	33.227	-0.017	33.245	-0.046	33.274	-0.059	37.934	-0.070	37.955	-0.070	37.987	-0.075	38.011	-0.062
33.319	-0.076	33.355	-0.068	33.395	-0.072	33.412	-0.076	38.047	-0.050	38.077	-0.063	38.097	-0.067	38.116	-0.054
33.436	-0.059	33.456	-0.055	33.476	-0.059	33.516	-0.068	38.143	-0.038	38.169	-0.055	38.186	-0.110	38.198	-0.115
33.537	-0.098	33.561	-0.098	33.584	-0.068	33.613	-0.051	38.223	-0.058	38.243	-0.054	38.261	-0.058	38.285	-0.086
33.638	-0.025	33.650	-0.013	33.680	-0.034	33.692	-0.047	38.308	-0.030	38.324	-0.107	38.340	-0.107	38.368	-0.052
33.712	-0.047	33.727	-0.042	33.752	-0.030	33.774	-0.013	38.390	-0.035	38.411	-0.014	38.427	-0.018	38.444	-0.052
33.795	-0.030	33.814	-0.059	33.829	-0.051	33.853	-0.025	38.461	-0.082	38.479	-0.077	38.512	-0.086	38.552	-0.103
33.879	-0.004	33.915	-0.008	33.946	-0.034	33.975	-0.042	38.576	-0.082	38.595	-0.077	38.625	-0.060	38.661	-0.052
33.996	-0.055	34.029	-0.034	34.054	-0.025	34.086	-0.051	38.687	-0.043	38.707	-0.065	38.722	-0.103	38.734	-0.111
34.117	-0.072	34.125	-0.084	34.139	-0.051	34.155	-0.034	38.752	-0.069	38.764	-0.052	38.779	-0.069	38.800	-0.086
34.181	-0.051	34.215	-0.068	34.244	-0.110	34.266	-0.123	38.826	-0.086	38.858	-0.065	38.883	-0.069	38.907	-0.048
34.288	-0.102	34.330	-0.102	34.355	-0.081	34.381	-0.085	38.926	-0.052	38.943	-0.082	38.968	-0.073	38.978	-0.043
34.414	-0.089	34.440	-0.085	34.456	-0.089	34.478	-0.106	38.998	-0.056	39.023	-0.050	39.048	-0.077	39.073	-0.099
34.488	-0.110	34.524	-0.065	34.536	-0.055	34.554	-0.033	39.092	-0.120	39.116	-0.103	39.138	-0.069	39.155	-0.069
34.580	-0.046	34.602	-0.067	34.621	-0.059	34.641	-0.059	39.185	-0.099	39.211	-0.107	39.229	-0.069	39.247	-0.060



39.273	-0.065	39.295	-0.103	39.312	-0.094	39.333	-0.082	45.436	-0.153	45.450	-0.136	45.475	-0.144	45.514	-0.149
39.361	-0.082	39.392	-0.095	39.417	-0.070	39.441	-0.070	45.553	-0.144	45.572	-0.136	45.594	-0.136	45.628	-0.157
39.474	-0.070	39.496	-0.088	39.514	-0.050	39.534	-0.037	45.660	-0.132						
39.553	-0.054	39.593	-0.088	39.619	-0.098	39.653	-0.119								
39.677	-0.107	39.717	-0.128	39.750	-0.146	39.793	-0.125								
39.815	-0.091	39.864	-0.109	39.907	-0.143	39.953	-0.136								
40.009	-0.158	40.057	-0.159	40.084	-0.160	40.109	-0.173								
40.141	-0.161	40.157	-0.145	40.225	-0.116	40.266	-0.091								
40.305	-0.083	40.331	-0.071	40.355	-0.101	40.367	-0.106								
40.390	-0.089	40.407	-0.060	40.431	-0.082	40.450	-0.074								
40.470	-0.053	40.487	-0.045	40.504	-0.083	40.523	-0.092								
40.540	-0.080	40.570	-0.102	40.596	-0.132	40.625	-0.111								
40.646	-0.103	40.676	-0.108	40.699	-0.100	40.748	-0.093								
40.785	-0.102	40.819	-0.107	40.845	-0.090	40.875	-0.087								
40.914	-0.117	40.935	-0.113	40.969	-0.088	40.988	-0.114								
41.016	-0.106	41.044	-0.094	41.069	-0.124	41.086	-0.129								
41.112	-0.091	41.133	-0.074	41.154	-0.083	41.192	-0.079								
41.214	-0.105	41.248	-0.097	41.281	-0.094	41.306	-0.137								
41.336	-0.129	41.374	-0.138	41.385	-0.129	41.407	-0.147								
41.448	-0.173	41.484	-0.186	41.524	-0.165	41.572	-0.175								
41.591	-0.166	41.654	-0.159	41.678	-0.159	41.698	-0.134								
41.754	-0.135	41.798	-0.131	41.816	-0.157	41.842	-0.157								
41.872	-0.137	41.929	-0.138	41.995	-0.165	42.023	-0.182								
42.056	-0.204	42.068	-0.200	42.103	-0.156	42.139	-0.163								
42.170	-0.151	42.188	-0.160	42.208	-0.169	42.238	-0.139								
42.265	-0.148	42.293	-0.170	42.325	-0.179	42.364	-0.163								
42.397	-0.189	42.415	-0.168	42.434	-0.156	42.448	-0.173								
42.469	-0.199	42.502	-0.175	42.520	-0.162	42.539	-0.167								
42.574	-0.168	42.598	-0.160	42.619	-0.177	42.669	-0.165								
42.701	-0.170	42.722	-0.188	42.753	-0.159	42.789	-0.159								
42.827	-0.147	42.853	-0.173	42.884	-0.157	42.916	-0.144								
42.938	-0.161	42.965	-0.183	43.004	-0.166	43.055	-0.167								
43.055	-0.167	43.074	-0.129	43.093	-0.108	43.113	-0.117								
43.145	-0.121	43.166	-0.138	43.197	-0.122	43.228	-0.105								
43.253	-0.122	43.269	-0.127	43.291	-0.110	43.321	-0.106								
43.344	-0.102	43.364	-0.085	43.386	-0.089	43.400	-0.118								
43.426	-0.114	43.453	-0.144	43.479	-0.148	43.511	-0.160								
43.530	-0.147	43.548	-0.135	43.580	-0.156	43.612	-0.151								
43.644	-0.164	43.677	-0.168	43.695	-0.155	43.728	-0.142								
43.743	-0.138	43.761	-0.171	43.770	-0.184	43.793	-0.154								
43.814	-0.137	43.836	-0.137	43.861	-0.150	43.876	-0.171								
43.918	-0.166	43.932	-0.158	43.951	-0.136	43.977	-0.128								
43.996	-0.149	44.024	-0.179	44.041	-0.179	44.068	-0.157								
44.093	-0.136	44.100	-0.136	44.131	-0.144	44.153	-0.136								
44.175	-0.140	44.183	-0.135	44.202	-0.127	44.232	-0.152								
44.265	-0.161	44.296	-0.148	44.318	-0.135	44.340	-0.131								
44.366	-0.152	44.392	-0.148	44.415	-0.127	44.442	-0.101								
44.466	-0.110	44.490	-0.135	44.530	-0.110	44.563	-0.110								
44.598	-0.101	44.618	-0.110	44.651	-0.097	44.678	-0.106								
44.712	-0.106	44.757	-0.110	44.794	-0.123	44.825	-0.140								
44.857	-0.123	44.888	-0.127	44.906	-0.132	44.926	-0.110								
44.947	-0.093	44.964	-0.123	44.987	-0.127	45.010	-0.136								
45.027	-0.149	45.043	-0.178	45.055	-0.183	45.075	-0.166								
45.111	-0.140	45.147	-0.123	45.177	-0.127	45.209	-0.136								
45.235	-0.132	45.266	-0.144	45.295	-0.153	45.314	-0.161								
45.337	-0.140	45.360	-0.132	45.395	-0.157	45.416	-0.170								



3200 PCINTS 45.668 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 0.1403 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.005	6.018	-0.026	0.037	0.008	0.053	0.017	1.204	0.394	1.207	0.273	1.211	0.139	1.214	0.031	1.214	0.031
0.070	0.021	0.080	-0.026	0.098	-0.048	0.112	-0.073	1.219	-0.046	1.228	-0.077	1.238	-0.111	1.244	-0.154	1.244	-0.154
0.121	-0.125	0.127	-0.129	0.140	-0.065	0.147	0.044	1.254	-0.124	1.259	-0.042	1.264	0.058	1.270	0.057	1.270	0.057
0.157	0.104	0.167	0.009	0.176	-0.090	0.190	-0.086	1.276	0.114	1.276	0.114	1.281	0.080	1.292	-0.054	1.292	-0.054
0.208	-0.004	0.214	0.053	0.221	0.113	0.230	0.057	1.304	0.162	1.314	-0.205	1.330	-0.149	1.340	-0.123	1.340	-0.123
0.247	0.070	0.256	0.126	0.263	0.156	0.266	0.217	1.350	-0.079	1.359	0.059	1.366	0.176	1.378	0.193	1.378	0.193
0.276	0.200	0.281	0.088	0.287	0.036	0.294	-0.068	1.383	0.176	1.391	0.163	1.395	0.021	1.402	-0.100	1.402	-0.100
0.302	-0.141	0.311	-0.176	0.322	-0.076	0.332	-0.024	1.407	-0.195	1.417	-0.163	1.421	-0.061	1.424	0.016	1.424	0.016
0.340	0.028	0.348	0.071	0.355	0.127	0.367	0.097	1.430	0.034	1.436	0.112	1.440	0.172	1.445	0.250	1.445	0.250
0.371	0.041	0.380	-0.033	0.389	-0.076	0.400	-0.093	1.448	0.254	1.458	0.263	1.466	0.172	1.475	0.125	1.475	0.125
0.410	-0.020	0.414	0.032	0.420	0.097	0.432	0.110	1.485	0.138	1.490	0.138	1.498	0.052	1.503	0.034	1.503	0.034
0.448	0.063	0.454	0.015	0.462	0.028	0.468	-0.071	1.513	0.043	1.522	0.125	1.532	0.177	1.535	0.242	1.535	0.242
0.469	-0.071	0.483	-0.048	0.493	0.046	0.498	0.115	1.541	0.311	1.549	0.311	1.554	0.203	1.562	0.113	1.562	0.113
0.501	0.128	0.508	0.167	0.515	0.189	0.523	0.228	1.571	-0.047	1.581	-0.059	1.589	-0.125	1.608	-0.142	1.608	-0.142
0.529	0.249	0.536	0.206	0.540	0.128	0.541	0.111	1.616	-0.159	1.620	-0.202	1.628	-0.207	1.633	-0.137	1.633	-0.137
0.542	0.111	0.547	-0.101	0.549	-0.101	0.554	-0.196	1.640	-0.064	1.644	-0.038	1.657	-0.063	1.662	-0.007	1.662	-0.007
0.561	-0.222	0.576	-0.235	0.582	-0.165	0.586	-0.079	1.666	-0.072	1.682	-0.063	1.689	-0.037	1.699	-0.050	1.699	-0.050
0.592	0.016	0.602	0.072	0.611	0.116	0.620	0.155	1.703	-0.037	1.703	0.042	1.739	-0.041	1.744	-0.149	1.744	-0.149
0.629	0.146	0.636	0.185	0.641	0.224	0.646	0.285	1.726	0.106	1.733	0.062	1.759	0.084	1.763	0.149	1.763	0.149
0.653	0.272	0.662	0.181	0.669	0.103	0.678	-0.052	1.745	-0.106	1.754	-0.015	1.759	0.231	1.810	0.201	1.810	0.201
0.685	-0.130	0.689	-0.186	0.694	-0.195	0.700	-0.147	1.771	0.140	1.785	0.210	1.789	0.128	1.850	0.124	1.850	0.124
0.701	-0.044	0.710	0.034	0.711	0.121	0.714	0.177	1.824	0.158	1.838	0.158	1.850	0.231	1.810	0.201	1.810	0.201
0.719	0.160	0.723	0.034	0.732	-0.026	0.746	-0.043	1.878	0.124	1.884	0.055	1.890	-0.019	1.899	-0.053	1.899	-0.053
0.758	-0.013	0.774	-0.039	0.782	-0.073	0.792	-0.082	1.915	-0.071	1.925	-0.040	1.931	-0.010	1.937	0.089	1.937	0.089
0.805	-0.034	0.813	-0.055	0.817	-0.121	0.826	-0.129	1.945	-0.159	1.954	-0.141	1.954	0.089	1.963	0.012	1.963	0.012
0.840	-0.038	0.847	0.053	0.851	0.135	0.859	0.174	1.978	-0.036	1.987	-0.001	2.001	-0.014	2.011	-0.057	2.011	-0.057
0.868	0.174	0.884	0.131	0.893	0.062	0.903	0.006	2.020	-0.122	2.026	-0.144	2.026	-0.144	2.038	-0.096	2.038	-0.096
0.917	0.019	0.927	0.058	0.934	0.110	0.936	0.127	2.043	-0.010	2.046	0.046	2.050	0.224	2.058	0.263	2.058	0.263
0.948	0.054	0.957	-0.007	0.966	-0.063	0.980	-0.080	2.067	0.250	2.070	0.211	2.071	0.211	2.081	0.111	2.081	0.111
0.993	-0.015	1.000	0.128	1.002	0.184	1.007	0.262	2.090	0.021	2.095	-0.087	2.101	-0.135	2.105	-0.126	2.105	-0.126
1.011	0.288	1.015	0.305	1.021	0.258	1.024	0.154	2.108	-0.063	2.116	-0.048	2.119	0.073	2.127	0.111	2.127	0.111
1.027	0.120	1.034	0.020	1.039	-0.114	1.042	-0.187	2.136	0.150	2.148	0.169	2.156	0.228	2.167	0.150	2.167	0.150
1.048	-0.213	1.056	-0.114	1.064	-0.135	1.069	-0.018	2.175	0.060	2.182	-0.031	2.193	-0.135	2.201	-0.135	2.201	-0.135
1.075	0.077	1.080	0.228	1.085	0.289	1.094	0.242	2.208	-0.051	2.213	0.025	2.216	0.107	2.221	0.211	2.221	0.211
1.057	0.177	1.106	0.173	1.113	0.160	1.122	0.073	2.238	0.224	2.248	0.165	2.252	0.030	2.257	-0.078	2.257	-0.078
1.123	0.004	1.127	-0.091	1.132	-0.212	1.134	-0.311	2.261	-0.161	2.266	-0.178	2.270	-0.148	2.275	-0.100	2.275	-0.100
1.144	-0.333	1.152	-0.281	1.155	-0.250	1.161	-0.198	2.285	-0.065	2.296	-0.044	2.303	0.004	2.314	0.077	2.314	0.077
1.164	-0.151	1.167	-0.077	1.170	-0.021	1.173	0.048	2.318	0.121	2.328	0.119	2.334	0.064	2.340	-0.039	2.340	-0.039
1.174	0.048	1.177	0.273	1.179	0.385	1.180	0.489	2.348	-0.139	2.355	-0.159	2.359	-0.225	2.364	-0.225	2.364	-0.225
1.185	0.567	1.189	0.623	1.197	0.580	1.203	0.485	2.374	-0.165	2.378	-0.113	2.385	-0.031	2.388	-0.073	2.388	-0.073



2.397	0.155	2.400	0.216	2.405	0.263	2.412	0.289	4.250	-0.088	4.256	0.046	4.263	0.188	4.283	0.167
2.424	0.259	2.429	0.160	2.436	0.056	2.441	-0.048	4.257	0.127	4.307	0.110	4.329	0.032	4.352	0.067
2.454	-0.104	2.458	-0.156	2.459	-0.156	2.468	-0.096	4.365	0.127	4.375	0.156	4.384	0.084	4.397	-0.085
2.468	-0.056	2.471	-0.048	2.474	0.047	2.480	0.112	4.408	-0.219	4.414	-0.288	4.424	-0.280	4.433	-0.150
2.455	0.185	2.504	0.229	2.513	0.181	2.521	0.116	4.436	-0.055	4.442	0.083	4.450	0.217	4.460	0.174
2.534	0.043	2.543	0.005	2.552	-0.044	2.560	-0.022	4.470	0.230	4.475	0.165	4.484	0.049	4.487	-0.020
2.568	0.177	2.586	0.177	2.586	0.237	2.592	0.298	4.458	-0.034	4.506	-0.042	4.519	-0.150	4.530	-0.175
2.600	0.350	2.605	0.281	2.605	0.281	2.608	0.233	4.531	-0.176	4.542	-0.173	4.545	-0.090	4.553	-0.016
2.615	0.077	2.619	-0.035	2.624	-0.139	2.628	-0.173	4.556	0.126	4.567	0.342	4.572	0.433	4.572	0.433
2.639	-0.199	2.640	-0.199	2.648	-0.169	2.648	-0.160	4.577	0.359	4.575	0.178	4.584	0.083	4.586	-0.012
2.655	-0.048	2.660	0.013	2.662	0.073	2.671	0.203	4.591	-0.129	4.604	-0.107	4.616	-0.025	4.626	-0.030
2.683	0.289	2.688	0.259	2.701	0.194	2.713	-0.005	4.632	-0.003	4.645	0.001	4.659	0.177	4.690	0.061
2.731	-0.044	2.749	-0.022	2.755	0.056	2.764	0.185	4.675	0.260	4.682	0.277	4.686	0.177	4.690	0.061
2.775	0.328	2.788	0.384	2.796	0.237	2.800	0.147	4.653	-0.168	4.693	-0.168	4.695	-0.311	4.705	-0.263
2.804	-0.013	2.813	-0.212	2.819	-0.299	2.831	-0.217	4.711	-0.108	4.717	0.035	4.724	0.117	4.729	0.246
2.834	-0.130	2.843	0.013	2.852	0.082	2.859	0.181	4.737	0.467	4.742	0.562	4.758	0.532	4.763	0.393
2.863	0.302	2.875	0.328	2.885	0.229	2.890	0.095	4.776	0.251	4.782	0.104	4.797	0.091	4.809	0.017
2.895	-0.044	2.908	-0.113	2.917	-0.234	2.924	-0.351	4.819	0.026	4.824	0.047	4.826	0.142	4.835	0.255
2.931	-0.368	2.941	-0.212	2.945	-0.100	2.955	0.004	4.846	0.224	4.855	0.064	4.866	-0.065	4.878	-0.113
2.960	0.121	2.965	0.177	2.972	0.246	2.980	0.151	4.886	-0.061	4.888	0.013	4.896	0.181	4.908	0.198
2.989	0.056	3.004	0.047	3.012	-0.065	3.019	-0.156	4.906	0.198	4.911	0.086	4.921	0.086	4.932	0.064
3.020	-0.156	3.030	-0.104	3.040	0.013	3.042	0.026	4.935	-0.000	4.941	-0.078	4.945	-0.169	4.951	-0.186
3.050	0.125	3.068	0.224	3.068	0.207	3.074	0.108	4.955	-0.126	4.960	-0.100	4.963	-0.035	4.971	0.129
3.077	-0.013	3.084	-0.048	3.091	0.038	3.105	0.043	4.978	0.263	4.984	0.353	4.991	0.453	4.997	0.384
3.121	0.038	3.133	0.030	3.141	-0.013	3.149	-0.065	5.001	0.259	5.008	0.056	5.014	-0.411	5.026	-0.217
3.159	0.004	3.161	0.008	3.170	0.103	3.187	0.056	5.030	-0.264	5.035	-0.402	5.045	-0.411	5.053	-0.217
3.225	-0.074	3.220	-0.052	3.220	-0.052	3.233	-0.005	5.060	-0.013	5.065	0.112	5.074	0.216	5.084	0.155
3.244	-0.013	3.255	-0.070	3.260	-0.130	3.261	-0.139	5.100	0.139	5.112	0.030	5.118	-0.052	5.131	-0.100
3.268	-0.060	3.281	0.060	3.281	0.155	3.291	0.190	5.142	-0.130	5.148	0.164	5.154	0.164	5.158	0.263
3.305	-0.069	3.313	-0.134	3.326	-0.160	3.340	-0.195	5.170	0.207	5.179	0.077	5.190	-0.031	5.206	-0.065
3.352	-0.048	3.355	0.060	3.364	0.142	3.371	0.280	5.219	-0.126	5.230	-0.217	5.237	-0.264	5.243	-0.307
3.385	0.254	3.395	0.107	3.404	0.021	3.416	-0.074	5.251	-0.242	5.256	0.100	5.259	0.030	5.265	0.177
3.423	-0.104	3.439	-0.027	3.448	0.038	3.457	0.120	5.272	0.276	5.278	0.358	5.283	0.393	5.297	0.402
3.461	0.250	3.475	0.258	3.487	0.323	3.498	0.332	5.307	0.488	5.315	0.497	5.322	0.402	5.325	0.250
3.504	0.215	3.512	0.124	3.525	0.098	3.531	0.055	5.330	0.168	5.341	0.060	5.342	0.060	5.342	0.060
3.544	0.111	3.547	0.176	3.554	0.327	3.559	0.396	5.355	0.160	5.364	0.263	5.370	0.363	5.382	0.432
3.567	0.349	3.574	0.219	3.582	0.146	3.590	0.020	5.399	0.255	5.407	0.055	5.420	-0.160	5.426	-0.242
3.557	-0.079	3.601	-0.157	3.609	-0.200	3.610	-0.200	5.434	-0.212	5.439	-0.083	5.443	0.017	5.449	0.103
3.618	-0.131	3.628	-0.071	3.642	0.003	3.652	0.128	5.460	-0.022	5.466	-0.061	5.477	0.043	5.483	0.008
3.664	0.175	3.670	0.249	3.679	0.335	3.688	0.253	5.495	-0.139	5.495	-0.290	5.506	-0.355	5.510	-0.355
3.693	0.110	3.699	-0.006	3.704	-0.149	3.714	-0.188	5.542	-0.065	5.550	-0.134	5.560	-0.013	5.566	-0.078
3.720	-0.197	3.723	-0.171	3.730	-0.076	3.736	0.063	5.567	-0.104	5.581	-0.048	5.584	0.056	5.599	0.099
3.751	0.102	3.760	0.041	3.772	-0.015	3.778	0.011	5.615	0.073	5.623	0.021	5.636	-0.070	5.660	-0.026
3.782	0.084	3.790	0.136	3.799	0.011	3.811	-0.154	5.661	-0.026	5.664	-0.159	5.674	0.099	5.682	0.168
3.822	-0.214	3.832	-0.206	3.836	-0.180	3.843	-0.089	5.661	-0.026	5.664	-0.159	5.674	0.099	5.682	0.168
3.846	0.002	3.850	0.136	3.855	0.270	3.860	0.347	5.656	0.129	5.705	0.138	5.712	0.259	5.716	0.319
3.865	0.408	3.882	0.255	3.888	0.118	3.896	0.001	5.720	0.364	5.727	0.345	5.730	0.259	5.736	0.190
3.909	-0.081	3.919	-0.077	3.929	0.018	3.940	0.096	5.740	0.099	5.748	0.056	5.757	0.151	5.772	0.203
3.948	0.022	3.952	0.226	3.958	0.398	3.968	0.468	5.789	0.154	5.796	0.233	5.806	0.306	5.818	0.311
3.976	0.299	3.983	0.104	3.989	-0.086	4.000	-0.121	5.828	0.177	5.837	0.073	5.847	-0.139	5.856	-0.238
4.012	-0.177	4.024	-0.134	4.034	-0.017	4.042	0.074	5.857	-0.238	5.869	-0.159	5.869	-0.159	5.882	-0.091
4.054	0.151	4.070	0.078	4.079	-0.031	4.079	-0.031	5.897	-0.156	5.908	-0.148	5.915	-0.070	5.920	0.034
4.085	-0.061	4.104	0.051	4.123	0.107	4.140	0.129	5.938	0.021	5.939	0.021	5.942	0.107	5.950	0.496
4.150	0.142	4.153	0.094	4.158	0.008	4.163	-0.135	5.957	0.583	5.966	0.488	5.983	0.475	5.996	0.384
4.174	-0.070	4.183	-0.031	4.198	0.029	4.206	-0.014	6.006	0.207	6.016	0.146	6.031	-0.005	6.037	-0.161
4.210	-0.127	4.218	-0.222	4.225	-0.244	4.241	-0.183	6.046	-0.195	6.056	-0.144	6.068	-0.057	6.066	-0.079



6.058	-0.036	6.107	0.021	6.118	0.124	6.127	0.215	7.826	-0.284	7.834	-0.224	7.846	0.001	7.859	0.070
6.142	0.185	6.152	0.033	6.160	-0.131	6.167	-0.334	7.879	-0.013	7.888	0.043	7.902	0.069	7.918	0.104
6.172	-0.373	6.185	-0.295	6.185	-0.178	6.188	0.012	7.937	0.147	7.951	0.112	7.958	0.017	7.963	-0.096
6.197	0.159	6.212	0.055	6.224	-0.057	6.233	0.007	7.965	0.056	7.977	0.051	7.985	0.116	8.002	0.081
6.242	0.107	6.254	0.120	6.262	0.029	6.296	0.075	8.009	0.159	8.021	0.267	8.034	0.366	8.046	0.392
6.320	-0.084	6.337	0.016	6.354	0.111	6.361	0.215	8.048	0.362	8.052	0.314	8.055	0.197	8.060	0.033
6.368	0.323	6.381	0.323	6.388	0.157	6.389	0.197	8.061	0.033	8.065	-0.123	8.070	-0.058	8.076	-0.265
6.397	-0.110	6.403	-0.274	6.408	-0.361	6.418	0.430	8.088	-0.231	8.101	-0.218	8.112	-0.058	8.113	-0.058
6.431	-0.374	6.440	-0.261	6.449	-0.171	6.462	-0.110	8.116	0.132	8.123	0.205	8.131	0.257	8.139	0.201
6.469	-0.071	6.478	0.033	6.490	0.045	6.498	0.300	8.145	0.175	8.156	0.123	8.163	0.066	8.165	0.027
6.505	-0.076	6.515	0.037	6.520	0.162	6.524	0.300	8.174	0.019	8.180	0.045	8.184	0.101	8.191	0.153
6.530	0.400	6.538	0.473	6.545	0.542	6.552	0.603	8.200	0.101	8.204	0.051	8.205	-0.003	8.206	-0.033
6.553	0.603	6.554	0.603	6.562	0.534	6.567	0.395	8.214	-0.068	8.222	0.010	8.236	-0.008	8.243	-0.038
6.569	0.227	6.575	0.054	6.580	-0.080	6.586	-0.132	8.251	-0.012	8.255	0.065	8.261	0.096	8.264	0.143
6.600	-0.067	6.608	0.045	6.612	0.127	6.615	0.175	8.269	0.191	8.278	0.150	8.281	0.160	8.288	0.143
6.622	0.373	6.627	0.464	6.634	0.512	6.642	0.434	8.296	0.182	8.301	0.233	8.308	0.233	8.315	0.203
6.650	0.356	6.662	0.339	6.667	0.321	6.670	0.218	8.323	0.177	8.330	0.134	8.334	0.108	8.344	0.108
6.673	0.088	6.675	-0.037	6.682	-0.146	6.693	-0.102	8.339	0.108	8.344	0.142	8.350	0.190	8.354	0.242
6.705	0.040	6.714	0.079	6.717	0.174	6.722	0.283	8.358	0.315	8.358	0.367	8.360	0.367	8.360	0.357
6.732	0.265	6.735	0.239	6.740	0.144	6.744	0.027	8.362	0.440	8.364	0.449	8.369	0.479	8.374	0.462
6.750	-0.120	6.758	-0.219	6.767	-0.297	6.773	-0.362	8.378	0.423	8.381	0.371	8.383	0.336	8.388	0.332
6.778	-0.405	6.784	-0.353	6.788	-0.254	6.799	-0.077	8.392	0.253	8.395	0.224	8.402	0.133	8.403	0.133
6.805	0.074	6.814	0.243	6.820	0.251	6.833	0.161	8.404	0.012	8.410	-0.157	8.415	-0.317	8.420	-0.420
6.838	0.014	6.851	-0.112	6.857	-0.233	6.864	-0.306	8.442	-0.425	8.461	-0.127	8.469	0.029	8.476	0.197
6.870	-0.008	6.884	-0.104	6.894	-0.248	6.898	0.129	8.450	0.189	8.457	0.088	8.507	-0.227	8.520	-0.365
6.930	0.113	6.945	0.134	6.955	0.061	6.958	-0.038	8.564	-0.365	8.572	-0.288	8.574	-0.231	8.580	-0.167
6.962	-0.172	6.965	-0.319	6.975	-0.384	6.975	-0.384	8.585	-0.067	8.594	-0.028	8.603	0.045	8.606	0.084
6.978	-0.367	6.982	-0.268	6.987	-0.155	6.989	0.000	8.610	0.166	8.617	0.213	8.625	0.196	8.633	0.157
6.998	0.139	7.010	0.234	7.025	0.324	7.035	0.173	8.634	0.157	8.646	0.213	8.660	0.213	8.674	0.196
7.041	0.095	7.055	0.030	7.061	-0.091	7.070	-0.207	8.686	0.161	8.692	0.092	8.698	0.018	8.708	-0.055
7.070	-0.207	7.074	-0.194	7.076	-0.142	7.079	-0.026	8.715	-0.116	8.726	-0.116	8.727	-0.116	8.733	-0.082
7.084	0.095	7.088	0.268	7.102	0.376	7.116	0.316	8.744	0.026	8.745	0.056	8.755	0.186	8.764	0.273
7.121	0.242	7.127	0.121	7.138	-0.164	7.149	-0.454	8.770	0.363	8.778	0.454	8.783	0.536	8.790	0.618
7.154	-0.553	7.168	-0.484	7.168	-0.484	7.172	-0.398	8.797	0.666	8.800	0.661	8.812	0.592	8.820	0.428
7.174	-0.303	7.181	-0.156	7.181	0.017	7.185	0.151	8.825	0.311	8.830	0.186	8.836	0.077	8.839	-0.039
7.192	0.251	7.210	0.242	7.211	0.242	7.222	0.190	8.844	-0.160	8.852	-0.264	8.853	-0.268	8.854	-0.268
7.230	0.565	7.240	-0.121	7.243	-0.251	7.250	-0.303	8.862	-0.217	8.867	-0.056	8.874	0.042	8.888	0.081
7.260	-0.242	7.265	-0.177	7.281	0.056	7.288	0.125	8.889	0.681	8.910	-0.012	8.921	-0.062	8.927	-0.157
7.295	0.129	7.310	0.181	7.319	0.259	7.323	0.328	8.936	-0.183	8.944	-0.092	8.958	-0.045	8.969	-0.054
7.326	0.423	7.332	0.406	7.340	0.306	7.343	0.224	8.970	-0.054	8.977	-0.011	8.980	0.032	8.986	0.067
7.346	0.155	7.350	0.138	7.355	0.125	7.362	0.237	8.995	0.032	9.004	-0.072	9.010	-0.154	9.014	-0.240
7.370	0.311	7.378	0.293	7.384	0.194	7.389	0.034	9.018	-0.374	9.021	-0.444	9.026	-0.530	9.036	-0.496
7.395	-0.238	7.400	-0.347	7.409	-0.563	7.418	-0.606	9.048	-0.409	9.054	-0.314	9.057	-0.232	9.058	-0.232
7.422	-0.606	7.432	-0.433	7.436	-0.295	7.442	-0.191	9.060	-0.077	9.066	0.053	9.071	0.260	9.077	0.325
7.449	-0.010	7.454	0.107	7.463	0.427	7.469	0.461	9.077	0.325	9.087	0.135	9.092	-0.008	9.099	-0.172
7.481	0.027	7.492	0.267	7.499	0.102	7.504	-0.040	9.107	-0.246	9.118	-0.345	9.134	-0.406	9.145	-0.328
7.512	-0.071	7.526	0.063	7.532	0.202	7.540	0.297	9.157	0.060	9.164	0.467	9.168	0.467	9.173	0.648
7.564	0.305	7.578	0.236	7.582	0.115	7.590	0.015	9.180	0.638	9.190	0.812	9.197	0.734	9.202	0.617
7.597	0.002	7.607	0.141	7.615	0.257	7.631	0.201	9.204	0.540	9.208	0.401	9.215	0.207	9.224	0.172
7.643	0.244	7.658	0.045	7.669	0.045	7.680	-0.150	9.239	0.172	9.250	0.120	9.257	0.085	9.265	0.119
7.687	-0.370	7.697	-0.582	7.708	-0.690	7.709	-0.690	9.284	0.003	9.293	-0.153	9.302	-0.309	9.307	-0.473
7.712	-0.668	7.717	-0.534	7.722	-0.383	7.727	-0.344	9.318	-0.581	9.328	-0.356	9.338	-0.400	9.342	-0.262
7.728	-0.102	7.735	0.114	7.739	0.235	7.746	0.282	9.344	-0.115	9.345	0.006	9.347	0.105	9.350	0.222
7.761	0.140	7.769	-0.185	7.776	-0.366	7.783	-0.453	9.353	0.304	9.355	0.468	9.358	0.486	9.361	0.576
7.784	-0.453	7.785	-0.453	7.799	-0.353	7.812	-0.250	9.364	0.620	9.368	0.667	9.375	0.628	9.381	0.589



9.386	0.442	9.398	0.118	9.404	-0.021	9.416	-0.090	11.482	-0.019	11.502	-0.041	11.516	-0.040	11.525	-0.049
9.426	0.009	9.434	0.109	9.443	0.182	9.448	0.281	11.534	-0.019	11.541	0.629	11.546	0.003	11.557	-0.070
9.458	0.554	9.463	0.687	9.470	0.666	9.477	0.588	11.566	-0.083	11.578	-0.074	11.590	-0.156	11.597	-0.217
9.482	0.458	9.486	0.333	9.498	0.199	9.501	0.052	11.602	-0.229	11.612	-0.143	11.619	-0.061	11.630	-0.030
9.506	-0.126	9.511	-0.251	9.518	-0.299	9.519	-0.299	11.644	-0.030	11.652	0.013	11.662	0.037	11.670	0.035
9.525	-0.247	9.537	-0.022	9.545	0.094	9.551	0.194	11.680	-0.030	11.691	-0.073	11.709	-0.016	11.715	0.040
9.564	0.133	9.565	0.133	9.577	0.219	9.586	0.474	11.730	0.061	11.744	0.248	11.757	0.283	11.776	0.279
9.558	0.591	9.615	0.586	9.627	0.422	9.630	0.327	11.795	0.300	11.808	0.275	11.824	0.266	11.833	0.223
9.637	0.149	9.653	0.019	9.666	-0.141	9.678	-0.417	11.844	0.085	11.853	-0.023	11.862	-0.045	11.868	-0.019
9.693	-0.370	9.697	-0.249	9.705	-0.102	9.711	-0.038	11.874	0.076	11.881	0.115	11.892	0.106	11.904	0.111
9.731	0.165	9.743	0.273	9.760	0.260	9.778	0.294	11.914	-0.049	11.923	0.058	11.937	0.019	11.954	0.145
9.754	0.299	9.808	0.182	9.817	-0.009	9.823	-0.143	11.971	0.352	11.983	0.512	11.991	0.542	11.995	0.508
9.840	-0.160	9.855	-0.225	9.861	-0.325	9.866	-0.459	12.007	0.426	12.019	0.201	12.031	-0.050	12.034	-0.057
9.879	-0.545	9.885	-0.546	9.885	-0.546	9.894	-0.420	12.043	-0.106	12.055	-0.072	12.070	-0.002	12.075	0.049
9.899	-0.321	9.907	-0.109	9.912	0.012	9.920	0.141	12.085	0.062	12.093	0.010	12.107	-0.020	12.120	-0.072
9.927	0.206	9.938	0.180	9.944	0.093	9.952	0.007	12.134	-0.176	12.141	-0.349	12.149	-0.392	12.155	-0.400
9.963	-0.045	9.973	-0.063	9.982	-0.171	9.991	-0.288	12.171	-0.362	12.179	-0.176	12.183	-0.094	12.189	-0.063
9.999	-0.361	10.014	-0.405	10.023	-0.340	10.030	-0.301	12.203	-0.054	12.220	-0.288	12.229	-0.379	12.241	-0.552
10.034	-0.275	10.041	-0.124	10.046	-0.016	10.063	0.178	12.253	-0.621	12.261	-0.639	12.268	-0.595	12.288	-0.549
10.070	0.239	10.078	0.230	10.088	0.169	10.090	0.152	12.254	-0.185	12.303	-0.129	12.326	-0.008	12.340	0.061
10.098	0.204	10.103	0.282	10.112	0.303	10.123	0.078	12.352	0.178	12.359	0.243	12.362	0.264	12.372	0.204
10.129	-0.034	10.134	-0.039	10.153	0.125	10.162	0.129	12.381	0.022	12.391	-0.113	12.400	-0.281	12.406	-0.311
10.187	0.125	10.202	0.142	10.213	0.258	10.224	0.280	12.419	-0.281	12.436	-0.216	12.446	-0.121	12.460	-0.052
10.230	0.198	10.233	0.137	10.241	0.003	10.249	-0.278	12.474	0.142	12.478	0.211	12.490	0.267	12.506	0.280
10.261	-0.360	10.264	-0.369	10.274	-0.296	10.286	-0.183	12.516	0.220	12.527	0.077	12.537	-0.036	12.542	-0.066
10.294	-0.057	10.303	-0.011	10.317	0.011	10.330	0.037	12.561	-0.066	12.569	-0.040	12.579	0.007	12.587	0.210
10.338	0.093	10.345	0.097	10.356	0.131	10.362	0.071	12.594	0.349	12.597	0.418	12.603	0.452	12.614	0.374
10.370	-0.003	10.373	-0.016	10.379	-0.003	10.394	0.045	12.626	0.253	12.634	0.167	12.642	0.128	12.657	0.141
10.406	-0.003	10.418	0.023	10.434	0.139	10.448	0.243	12.667	0.192	12.681	0.227	12.686	0.309	12.703	0.369
10.463	0.334	10.474	0.450	10.493	0.429	10.516	0.359	12.710	0.326	12.720	0.205	12.728	0.105	12.738	0.040
10.523	0.307	10.531	0.234	10.531	0.234	10.542	0.247	12.750	0.027	12.757	0.015	12.766	0.170	12.778	0.226
10.560	0.337	10.578	0.281	10.593	0.277	10.605	0.121	12.790	0.200	12.799	0.140	12.803	-0.012	12.814	-0.120
10.616	0.035	10.635	0.060	10.661	0.121	10.672	0.147	12.818	-0.189	12.828	-0.224	12.846	-0.211	12.861	-0.138
10.689	0.397	10.699	0.423	10.706	0.319	10.716	0.047	12.869	0.061	12.878	0.204	12.890	0.351	12.898	0.407
10.723	-0.113	10.740	-0.200	10.758	-0.329	10.772	-0.325	12.908	0.411	12.917	0.294	12.929	0.147	12.943	0.048
10.785	-0.213	10.801	0.059	10.811	0.025	10.820	-0.088	12.959	0.022	12.977	0.061	12.995	0.147	13.011	0.238
10.844	-0.049	10.855	-0.032	10.868	0.090	10.884	0.055	13.023	0.294	13.028	0.303	13.043	0.242	13.055	0.134
10.856	-0.061	10.900	-0.118	10.901	-0.118	10.910	0.012	13.062	0.104	13.074	0.091	13.085	0.056	13.095	0.022
10.915	0.025	10.916	0.025	10.917	0.025	10.917	0.025	13.108	0.043	13.125	0.039	13.141	0.035	13.158	-0.009
10.944	0.164	10.920	0.198	10.925	0.198	10.938	0.134	13.177	-0.052	13.183	-0.074	13.202	-0.017	13.218	0.069
10.999	-0.048	10.954	-0.264	10.965	-0.328	10.974	-0.350	13.231	0.117	13.248	0.104	13.262	0.134	13.272	0.212
10.984	-0.328	10.993	-0.255	11.002	-0.216	11.015	-0.185	13.287	0.151	13.317	0.113	13.332	0.142	13.354	0.203
11.028	-0.194	11.039	-0.241	11.047	-0.254	11.057	-0.284	13.375	0.112	13.392	0.021	13.416	-0.061	13.434	-0.191
11.066	-0.314	11.072	-0.314	11.082	-0.236	11.086	-0.128	13.449	-0.303	13.465	-0.338	13.485	-0.291	13.503	-0.191
11.129	-0.015	11.134	-0.058	11.140	-0.166	11.147	-0.304	13.519	-0.040	13.531	0.003	13.551	-0.010	13.564	-0.040
11.155	-0.408	11.156	-0.447	11.170	-0.451	11.179	-0.451	13.580	-0.157	13.588	-0.058	13.607	-0.166	13.611	-0.092
11.188	-0.425	11.197	-0.334	11.201	-0.274	11.208	-0.243	13.630	-0.079	13.654	-0.058	13.667	-0.110	13.679	-0.132
11.212	-0.265	11.215	-0.304	11.225	-0.351	11.234	-0.342	13.693	-0.132	13.709	-0.123	13.721	-0.028	13.737	0.037
11.240	-0.273	11.248	-0.238	11.254	-0.230	11.264	-0.234	13.754	0.032	13.770	0.019	13.786	0.093	13.806	0.062
11.272	-0.147	11.280	-0.017	11.282	-0.043	11.292	0.078	13.816	0.114	13.826	0.156	13.840	0.156	13.856	0.239
11.307	0.100	11.320	0.048	11.328	0.005	11.335	-0.021	13.879	0.157	13.890	0.066	13.900	0.032	13.910	0.110
11.347	-0.017	11.356	0.001	11.363	-0.060	11.375	-0.150	13.925	0.252	13.934	0.256	13.945	0.339	13.954	0.161
11.391	-0.228	11.399	-0.228	11.406	-0.228	11.413	-0.150	13.964	0.300	13.975	0.256	13.987	0.200	13.998	0.161
11.420	-0.098	11.431	-0.093	11.442	-0.085	11.447	-0.050	14.008	0.166	14.026	0.226	14.035	0.321	14.049	0.464
11.454	0.034	11.465	0.097	11.471	0.106	11.478	0.037	14.055	0.507	14.065	0.524	14.073	0.459	14.089	0.308
								14.097	0.235	14.104	0.226	14.115	0.265	14.127	0.334



14.145	0.356	14.160	0.351	14.173	0.308	14.183	0.196	17.790	-0.004	17.825	-0.004	17.846	-0.013	17.879	0.025
14.192	0.144	14.209	0.187	14.226	0.144	14.236	0.066	17.893	-0.001	17.910	0.021	17.929	0.176	17.941	0.211
14.247	0.048	14.264	-0.021	14.272	-0.034	14.287	0.009	17.958	0.189	17.970	0.141	17.958	0.107	18.017	0.050
14.294	0.048	14.307	0.178	14.319	0.230	14.331	0.195	18.034	0.076	18.051	0.085	18.078	0.093	18.094	0.046
14.346	0.182	14.356	0.014	14.364	-0.086	14.373	-0.142	18.112	0.024	18.128	-0.002	18.154	-0.106	18.164	-0.167
14.387	-0.146	14.411	-0.094	14.417	-0.064	14.433	-0.090	18.187	-0.188	18.205	-0.180	18.223	-0.102	18.234	-0.042
14.455	-0.081	14.473	-0.030	14.483	0.040	14.494	0.065	18.256	-0.029	18.275	-0.068	18.300	-0.034	18.312	-0.008
14.515	0.018	14.536	-0.177	14.555	-0.328	14.565	-0.362	18.330	0.057	18.351	0.078	18.366	0.070	18.378	0.026
14.582	-0.367	14.599	-0.375	14.614	-0.432	14.637	-0.358	18.393	0.039	18.409	0.030	18.420	0.047	18.439	0.039
14.644	-0.311	14.658	-0.263	14.675	-0.254	14.687	-0.237	18.457	0.082	18.467	0.059	18.480	0.042	18.495	-0.044
14.704	-0.211	14.719	-0.261	14.730	-0.315	14.742	-0.319	18.508	-0.092	18.518	-0.101	18.542	-0.041	18.555	-0.085
14.751	-0.254	14.754	-0.181	14.766	-0.094	14.776	-0.077	18.568	0.119	18.582	0.111	18.606	-0.006	18.619	-0.045
14.787	-0.120	14.803	-0.133	14.820	-0.073	14.843	-0.004	18.625	-0.054	18.645	0.032	18.661	0.079	18.675	0.071
14.860	0.005	14.877	0.035	14.903	-0.021	14.920	-0.039	18.694	-0.064	18.709	-0.129	16.718	-0.150	18.728	-0.124
14.938	-0.008	14.952	0.061	14.984	0.004	15.002	-0.026	18.745	0.005	18.755	0.065	18.770	0.061	18.783	0.039
15.026	-0.048	15.041	0.034	15.062	0.073	15.089	0.077	18.796	0.056	18.815	0.156	18.823	0.177	18.839	0.164
15.104	0.142	15.120	0.237	15.136	0.237	15.158	0.198	18.856	0.094	18.872	0.029	18.857	0.037	18.856	0.063
15.176	0.159	15.190	0.142	15.211	0.150	15.232	0.098	18.937	0.049	18.963	0.027	18.977	0.044	18.987	0.083
15.247	0.081	15.260	0.146	15.268	0.215	15.280	0.245	18.956	0.056	19.004	0.065	19.024	-0.017	19.054	0.115
15.292	0.323	15.301	0.319	15.307	0.301	15.329	0.362	19.052	-0.009	19.070	0.055	19.082	0.120	19.094	0.115
15.346	0.323	15.358	0.275	15.376	0.362	15.392	0.396	19.113	0.050	19.127	0.032	15.144	0.032	19.158	0.058
15.467	0.439	15.425	0.426	15.434	0.366	15.446	0.340	19.171	0.135	19.178	0.161	19.157	0.152	19.217	0.082
15.462	0.327	15.488	0.219	15.502	0.158	15.515	0.141	19.228	0.035	19.239	-0.000	19.258	0.008	19.272	0.042
15.536	0.089	15.551	0.029	15.561	-0.058	15.572	-0.101	19.281	0.090	19.294	0.111	19.308	0.063	19.321	0.111
15.594	-0.114	15.617	-0.140	15.637	-0.157	15.657	-0.213	19.338	-0.007	19.362	-0.046	19.383	-0.016	19.396	-0.004
15.676	-0.244	15.689	-0.274	15.708	-0.248	15.727	-0.326	19.424	-0.065	19.448	-0.092	19.443	-0.118	19.466	-0.093
15.739	-0.313	15.764	-0.366	15.783	-0.334	15.797	-0.300	19.503	-0.110	19.516	-0.111	19.543	-0.146	19.563	-0.086
15.810	-0.218	15.821	-0.166	15.836	-0.231	15.854	-0.257	19.590	-0.117	19.610	-0.178	19.635	-0.140	19.647	-0.136
15.870	-0.300	15.889	-0.291	15.906	-0.252	15.920	-0.170	19.669	-0.046	19.690	0.032	19.706	0.053	19.724	0.018
15.935	-0.105	15.952	-0.105	15.967	-0.135	15.994	-0.062	19.760	0.065	19.783	0.060	19.804	0.033	19.814	-0.002
16.012	0.029	16.033	0.081	16.045	0.176	16.066	0.206	19.830	-0.089	19.837	-0.093	19.864	-0.033	19.880	0.014
16.081	0.310	16.100	0.371	16.115	0.384	16.128	0.341	19.909	-0.009	19.935	-0.009	19.962	-0.044	19.984	-0.010
16.143	0.323	16.166	0.384	16.190	0.457	16.207	0.462	20.006	0.028	20.027	0.040	20.045	0.113	20.069	0.108
16.215	0.414	16.223	0.375	16.239	0.367	16.252	0.302	20.084	0.065	20.107	0.060	20.129	0.016	20.149	-0.045
16.266	0.280	16.281	0.315	16.299	0.315	16.314	0.341	20.177	-0.011	20.197	-0.051	20.214	-0.034	20.224	-0.064
16.335	0.311	16.356	0.185	16.365	0.107	16.384	0.042	20.245	-0.035	20.266	-0.109	20.300	-0.066	20.304	-0.036
16.396	0.012	16.421	0.072	16.453	0.102	16.476	0.149	20.328	0.058	20.357	0.071	20.374	0.044	20.391	0.027
16.483	0.197	16.500	0.201	16.512	0.097	16.523	0.011	20.412	0.117	20.430	0.121	20.444	0.077	20.457	0.003
16.542	-0.067	16.558	-0.163	16.567	-0.193	16.585	-0.197	20.462	-0.023	20.477	-0.019	20.487	-0.002	20.499	0.054
16.605	-0.154	16.626	-0.211	16.646	-0.198	16.664	-0.229	20.510	0.080	20.525	0.062	20.534	0.028	20.560	-0.042
16.689	-0.233	16.706	-0.216	16.728	-0.195	16.751	-0.130	20.577	-0.082	20.600	-0.078	20.609	-0.056	20.623	-0.009
16.783	-0.096	16.802	-0.075	16.827	-0.105	16.848	-0.148	20.641	-0.010	20.669	-0.036	20.689	-0.032	20.718	-0.042
16.889	0.023	16.902	0.110	16.918	0.056	16.931	0.022	20.734	0.006	20.760	0.009	20.790	0.056	20.808	0.086
16.940	-0.064	16.953	-0.086	16.968	-0.065	16.991	0.012	20.835	0.064	20.853	0.033	20.865	0.020	20.866	0.050
17.014	0.007	17.037	0.024	17.052	0.097	17.069	0.140	20.895	0.058	20.906	0.023	20.923	0.046	20.936	-0.064
17.085	0.135	17.103	0.196	17.118	0.161	17.135	0.156	20.955	-0.030	20.965	-0.008	20.983	-0.009	21.011	-0.109
17.150	0.190	17.164	0.198	17.177	0.164	17.194	0.068	21.034	-0.144	21.054	-0.153	21.074	-0.123	21.085	-0.071
17.218	0.003	17.227	-0.006	17.244	0.006	17.256	0.036	21.059	-0.046	21.122	-0.054	21.142	-0.138	21.166	-0.125
17.272	0.127	17.281	0.157	17.289	0.139	17.302	0.053	21.192	-0.147	21.217	-0.156	21.245	-0.071	21.267	0.028
17.322	-0.073	17.333	-0.104	17.347	-0.070	17.365	0.030	21.215	0.063	21.287	0.015	21.303	-0.046	21.325	-0.055
17.379	0.055	17.393	0.098	17.408	0.107	17.421	0.093	21.344	-0.025	21.357	0.018	21.372	0.043	21.398	0.090
17.446	0.123	17.467	0.166	17.489	0.161	17.512	0.088	21.417	0.099	21.441	0.111	21.459	0.132	21.471	0.141
17.530	0.009	17.542	-0.038	17.558	-0.065	17.570	-0.022	21.488	0.106	21.510	0.057	21.527	0.044	21.541	-0.012
17.582	-0.047	17.593	0.060	17.608	0.047	17.626	-0.053	21.551	-0.012	21.568	0.035	21.583	0.055	21.597	0.086
17.640	-0.088	17.654	-0.045	17.675	-0.028	17.693	-0.019	21.618	-0.051	21.632	0.059	21.656	0.042	21.657	0.088
17.709	-0.072	17.718	-0.085	17.736	-0.088	17.759	-0.055	21.706	-0.029	21.745	0.074	21.756	0.026	21.769	-0.043



21.775	-0.078	21.789	-0.078	21.811	-0.070	21.833	-0.036	26.783	0.094	26.802	0.111	26.829	0.076	26.853	0.062
21.851	-0.036	21.866	0.011	21.893	-0.037	21.920	-0.089	26.872	0.036	26.890	0.009	26.918	0.026	26.936	0.021
21.943	-0.072	21.967	0.141	21.990	-0.107	22.005	-0.138	26.953	0.021	26.971	-0.001	26.994	-0.015	27.018	-0.002
22.017	-0.138	22.036	-0.090	22.055	-0.026	22.067	-0.056	27.047	-0.033	27.061	-0.051	27.084	-0.052	27.102	-0.052
22.054	-0.070	22.115	-0.091	22.132	-0.035	22.152	-0.070	27.131	0.025	27.157	0.012	27.180	0.007	27.195	0.058
22.167	-0.053	22.185	-0.092	22.211	-0.032	22.236	0.015	27.208	0.062	27.225	0.036	27.243	-0.003	27.269	-0.013
22.254	-0.002	22.286	0.075	22.302	0.075	22.315	0.070	27.289	-0.013	27.310	0.008	27.336	-0.001	27.361	0.029
22.335	0.031	22.358	0.044	22.367	0.031	22.385	0.040	27.383	0.024	27.404	0.006	27.429	-0.033	27.452	-0.003
22.400	0.027	22.419	0.048	22.441	-0.029	22.465	-0.034	27.477	0.010	27.501	0.000	27.525	-0.021	27.551	-0.056
22.475	-0.042	22.494	0.021	22.510	-0.021	22.528	-0.016	27.574	-0.031	27.596	0.025	27.623	0.029	27.647	0.024
22.551	-0.055	22.574	0.014	22.589	0.036	22.611	-0.033	27.664	0.020	27.690	0.015	27.714	0.015	27.735	0.014
22.632	-0.098	22.664	-0.068	22.677	0.014	22.690	0.045	27.762	0.014	27.797	0.048	27.836	0.004	27.865	0.004
22.707	-0.007	22.721	-0.046	22.736	-0.081	22.763	-0.037	27.851	0.004	27.918	0.008	27.933	-0.004	27.954	-0.003
22.754	-0.080	22.813	-0.137	22.842	-0.171	22.868	-0.111	27.985	-0.005	28.005	0.012	28.033	-0.009	28.054	0.029
22.886	-0.067	22.904	-0.054	22.925	-0.067	22.938	-0.080	28.078	0.042	28.123	-0.027	28.150	-0.027	28.188	-0.005
22.975	-0.050	23.000	-0.049	23.021	0.003	23.041	0.011	28.228	-0.027	28.255	-0.006	28.280	-0.006	28.301	0.025
23.058	0.007	23.083	-0.002	23.096	-0.066	23.128	0.072	28.321	0.033	28.346	0.024	28.368	0.016	28.402	-0.002
23.138	0.051	23.154	0.036	23.173	-0.009	23.190	-0.044	28.425	0.024	28.440	0.041	28.465	0.037	28.490	0.011
23.209	-0.001	23.232	-0.005	23.253	-0.009	23.277	-0.091	28.506	0.002	28.536	0.054	28.565	0.015	28.585	0.002
23.302	-0.027	23.325	0.012	23.349	-0.031	23.366	-0.056	28.621	0.049	28.651	0.027	28.666	0.010	28.689	0.019
23.395	-0.022	23.427	0.013	23.447	-0.052	23.464	-0.069	28.722	0.027	28.746	0.012	28.773	-0.029	28.784	-0.029
23.497	0.018	23.522	0.014	23.553	-0.038	23.577	-0.003	28.809	0.014	28.826	0.014	28.850	0.035	28.876	0.035
23.607	0.044	23.631	0.075	23.650	0.071	23.682	0.023	28.896	0.026	28.914	0.043	28.934	0.064	28.955	0.053
23.710	0.054	23.729	0.080	23.759	0.050	23.786	0.011	28.987	0.007	29.011	0.024	29.041	0.066	29.059	0.053
23.809	-0.016	23.833	0.011	23.857	0.076	23.884	0.141	29.083	0.023	29.103	0.044	29.122	0.039	29.140	0.039
23.903	0.116	23.930	0.029	23.955	0.051	23.977	0.051	29.252	0.037	29.283	-0.007	29.304	0.006	29.329	-0.015
23.954	0.047	24.016	0.095	24.045	0.099	24.062	0.052	29.349	-0.038	29.375	-0.069	29.356	-0.048	29.418	-0.052
24.082	0.048	24.100	-0.052	24.115	-0.069	24.135	-0.134	29.438	-0.052	29.455	-0.061	29.481	-0.014	29.509	-0.023
24.160	-0.095	24.188	-0.086	24.188	-0.047	24.218	-0.073	29.536	-0.015	29.555	-0.037	29.589	-0.046	29.617	-0.046
24.240	-0.111	24.253	-0.094	24.272	-0.072	24.287	-0.072	29.637	-0.003	29.665	0.044	29.688	0.035	29.707	0.026
24.316	-0.059	24.335	-0.042	24.361	-0.119	24.375	-0.063	29.735	0.013	29.765	0.013	29.791	0.004	29.812	-0.036
24.399	-0.072	24.427	-0.037	24.457	-0.007	24.479	-0.003	29.841	-0.001	29.888	-0.010	29.916	-0.002	29.916	-0.002
24.489	-0.024	24.514	0.054	24.537	0.054	24.569	0.045	29.939	0.011	29.960	0.011	29.976	-0.010	29.956	0.028
24.607	0.023	24.635	0.084	24.649	0.058	24.685	0.058	30.016	0.054	30.036	0.072	30.058	0.024	30.084	0.002
24.722	0.067	24.734	0.041	24.750	0.032	24.766	-0.007	30.104	0.007	30.122	0.002	30.145	-0.019	30.178	-0.028
24.792	-0.003	24.811	0.002	24.832	0.010	24.848	0.002	30.193	-0.007	30.211	-0.002	30.225	0.011	30.245	-0.033
24.875	0.054	24.900	0.058	24.923	0.058	24.952	0.054	30.269	-0.046	30.285	-0.011	30.306	0.002	30.341	-0.037
24.969	0.024	24.987	0.054	25.002	-0.002	25.030	-0.015	30.362	-0.016	30.385	0.019	30.416	-0.012	30.435	-0.016
25.046	-0.019	25.062	0.011	25.077	0.003	25.093	0.059	30.456	-0.008	30.483	0.027	30.502	-0.009	30.519	-0.008
25.110	0.050	25.132	0.007	25.154	-0.019	25.173	0.012	30.539	0.017	30.562	0.024	30.582	-0.022	30.599	-0.031
25.203	0.008	25.227	-0.040	25.256	-0.027	25.288	0.008	30.610	-0.026	30.638	0.012	30.656	0.029	30.650	-0.036
25.310	-0.022	25.336	-0.065	25.361	-0.018	25.380	0.026	30.710	-0.036	30.736	-0.041	30.763	-0.041	30.793	-0.037
25.401	-0.009	25.422	-0.017	25.445	-0.013	25.467	-0.008	30.815	-0.020	30.847	-0.020	30.864	-0.042	30.857	-0.025
25.505	0.014	25.517	-0.012	25.550	0.053	25.572	0.023	30.933	-0.078	30.949	-0.037	30.965	-0.044	30.986	-0.028
25.597	0.023	25.619	0.006	25.642	-0.011	25.674	0.023	31.009	-0.011	31.026	-0.056	31.044	-0.014	31.059	-0.008
25.703	-0.011	25.728	-0.020	25.755	-0.006	25.777	-0.011	31.181	-0.054	31.199	-0.046	31.216	-0.089	31.232	-0.051
25.812	0.033	25.848	0.020	25.869	0.055	25.885	0.033	31.269	-0.034	31.284	-0.036	31.322	-0.053	31.339	-0.014
25.914	0.076	25.930	0.037	25.950	-0.002	25.963	-0.006	31.361	-0.015	31.372	-0.049	31.392	-0.042	31.416	-0.042
25.994	0.072	26.015	0.072	26.032	0.072	26.056	0.093	31.447	-0.017	31.447	-0.013	31.462	0.017	31.484	-0.001
26.081	0.102	26.105	0.115	26.129	0.063	26.156	0.024	31.524	0.050	31.556	0.016	31.573	-0.016	31.595	0.026
26.187	0.076	26.211	0.084	26.236	0.045	26.257	0.006	31.621	0.025	31.636	-0.010	31.653	-0.046	31.665	0.024
26.279	0.028	26.308	0.010	26.362	0.006	26.373	0.010	31.683	0.032	31.705	0.001	31.740	-0.026	31.772	-0.057
26.400	0.005	26.417	-0.008	26.446	-0.048	26.469	-0.048	31.795	-0.053	31.815	-0.038	31.836	-0.054	31.854	-0.055
26.491	-0.047	26.516	-0.001	26.532	0.011	26.552	-0.019	31.873	-0.042	31.886	-0.046	31.901	-0.016	31.914	-0.038
26.580	-0.007	26.608	0.036	26.640	0.005	26.671	0.065								
26.655	0.059	26.713	0.073	26.739	0.004	26.762	0.055								



31.931	-0.039	31.954	-0.013	31.983	-0.044	32.010	-0.088	36.324	-0.075	36.347	-0.032	36.372	-0.028	36.395	-0.028
32.029	-0.041	32.051	-0.041	32.076	-0.080	32.103	-0.080	36.417	0.011	36.436	-0.015	36.460	-0.024	36.471	-0.028
32.119	-0.089	32.151	-0.051	32.186	-0.052	32.213	-0.035	36.492	0.011	36.512	0.045	36.526	0.028	36.544	-0.003
32.229	-0.039	32.250	-0.018	32.267	-0.031	32.283	-0.001	36.573	-0.029	36.597	0.010	36.615	0.036	36.637	0.040
32.312	-0.015	32.336	-0.015	32.367	-0.016	32.380	-0.016	36.654	0.018	36.668	-0.021	36.681	-0.038	36.698	0.036
32.392	-0.016	32.409	-0.038	32.428	-0.046	32.446	-0.046	36.713	-0.051	36.736	0.005	36.758	0.030	36.788	-0.013
32.457	-0.029	32.477	-0.090	32.498	-0.060	32.526	-0.034	36.807	-0.030	36.838	-0.005	36.856	-0.048	36.881	-0.100
32.555	-0.004	32.576	-0.026	32.594	-0.043	32.614	-0.017	36.903	-0.074	36.934	0.012	36.957	-0.004	36.976	-0.054
32.633	-0.048	32.659	-0.048	32.674	-0.039	32.694	-0.044	36.993	-0.067	37.020	-0.007	37.041	0.006	37.058	-0.059
32.718	-0.022	32.738	0.012	32.760	-0.018	32.780	-0.036	37.074	0.005	37.087	-0.085	37.110	-0.021	37.135	0.014
32.801	-0.044	32.820	-0.058	32.839	-0.014	32.850	-0.032	37.166	0.009	37.188	-0.008	37.205	-0.039	37.231	-0.033
32.866	-0.027	32.882	-0.062	32.902	-0.045	32.932	-0.041	37.256	-0.022	37.278	-0.031	37.302	-0.010	37.326	-0.001
32.953	0.007	32.968	-0.015	32.986	-0.015	33.015	-0.032	37.345	-0.053	37.361	-0.075	37.384	-0.037	37.417	-0.020
33.042	-0.106	33.072	-0.067	33.097	-0.050	33.110	-0.045	37.439	-0.042	37.462	-0.014	37.487	-0.021	37.511	-0.003
33.123	-0.071	33.141	-0.058	33.155	-0.084	33.177	-0.045	37.537	-0.069	37.575	-0.078	37.605	-0.014	37.631	0.003
33.156	-0.041	33.212	-0.063	33.234	-0.046	33.256	-0.059	37.652	0.029	37.672	0.011	37.770	-0.007	37.788	-0.007
33.263	-0.054	33.277	-0.067	33.296	-0.020	33.309	-0.020	37.729	-0.032	37.745	0.011	37.770	-0.007	37.838	0.001
33.325	-0.003	33.339	-0.016	33.349	-0.011	33.370	-0.050	37.804	-0.007	37.824	0.005	37.838	0.001	37.854	0.018
33.394	0.002	33.421	0.015	33.440	-0.020	33.459	0.002	37.887	-0.030	37.919	-0.065	37.945	-0.030	37.963	-0.013
33.482	0.002	33.502	0.002	33.527	0.002	33.548	0.046	37.983	0.008	38.005	-0.027	38.032	-0.031	38.053	-0.044
33.565	-0.024	33.583	-0.016	33.605	-0.050	33.624	-0.063	38.076	-0.049	38.091	-0.053	38.115	-0.079	38.130	-0.054
33.641	-0.063	33.670	-0.029	33.686	-0.029	33.696	-0.059	38.150	-0.032	38.168	-0.006	38.189	-0.046	38.211	-0.089
33.727	-0.050	33.747	-0.003	33.762	0.015	33.778	0.002	38.236	-0.035	38.254	-0.020	38.265	-0.043	38.285	-0.012
33.806	-0.089	33.824	-0.089	33.845	-0.029	33.861	0.002	38.310	-0.012	38.332	-0.008	38.355	-0.043	38.374	-0.047
33.873	0.002	33.889	-0.020	33.908	-0.011	33.924	-0.011	38.389	-0.051	38.406	-0.017	38.423	-0.017	38.451	-0.056
33.951	-0.007	33.978	-0.072	33.998	-0.072	34.015	-0.033	38.473	-0.051	38.504	-0.064	38.524	-0.060	38.550	-0.056
34.031	-0.029	34.049	0.002	34.064	-0.024	34.083	-0.050	38.571	-0.012	38.589	-0.021	38.608	-0.047	38.632	-0.047
34.102	-0.085	34.121	-0.050	34.140	-0.059	34.155	-0.059	38.657	-0.034	38.675	-0.030	38.700	-0.034	38.728	-0.051
34.165	-0.080	34.188	-0.063	34.204	-0.080	34.220	-0.029	38.751	-0.021	38.771	-0.034	38.793	-0.051	38.816	-0.051
34.236	0.006	34.257	-0.016	34.278	-0.059	34.294	-0.063	38.842	-0.060	38.865	-0.077	38.895	-0.103	38.921	-0.064
34.318	-0.063	34.339	-0.072	34.356	-0.072	34.371	-0.050	38.944	-0.051	38.966	-0.051	38.989	-0.056	39.012	-0.064
34.387	-0.067	34.408	-0.020	34.426	-0.059	34.446	-0.067	39.033	-0.030	39.139	-0.030	39.182	0.001	39.208	-0.012
34.460	-0.067	34.481	-0.015	34.493	-0.033	34.509	-0.020	39.229	-0.038	39.255	-0.038	39.292	-0.060	39.317	-0.030
34.529	-0.041	34.541	-0.054	34.559	-0.071	34.587	-0.024	39.346	-0.034	39.371	-0.064	39.397	-0.056	39.427	-0.009
34.606	-0.050	34.624	-0.050	34.643	-0.037	34.661	-0.036	39.453	-0.031	39.473	-0.048	39.502	-0.010	39.533	-0.014
34.674	-0.054	34.693	-0.019	34.707	-0.019	34.723	-0.028	39.572	-0.071	39.595	-0.041	39.611	-0.032	39.632	-0.046
34.743	-0.075	34.761	-0.041	34.771	-0.045	34.782	-0.066	39.657	-0.068	39.681	-0.042	39.700	-0.033	39.728	-0.051
34.792	-0.058	34.816	0.003	34.832	-0.002	34.843	-0.002	39.750	-0.060	39.788	-0.013	39.809	-0.017	39.840	-0.022
34.860	-0.062	34.875	-0.045	34.891	-0.036	34.913	-0.001	39.866	-0.027	39.895	-0.040	39.923	-0.036	39.951	-0.033
34.939	-0.062	34.964	-0.062	34.998	0.042	35.015	0.051	39.983	-0.025	39.958	-0.021	40.024	-0.038	40.054	-0.022
35.030	0.051	35.052	-0.010	35.071	-0.005	35.094	0.016	40.084	-0.014	40.120	-0.049	40.147	-0.041	40.165	-0.028
35.113	-0.005	35.133	-0.001	35.151	-0.001	35.166	-0.001	40.185	-0.046	40.207	-0.046	40.230	-0.047	40.255	-0.047
35.183	0.012	35.204	0.008	35.225	-0.008	35.247	0.008	40.272	-0.035	40.287	-0.057	40.309	-0.031	40.328	-0.027
35.269	-0.031	35.295	-0.139	35.313	-0.096	35.332	-0.052	40.359	-0.028	40.387	-0.028	40.404	-0.035	40.425	-0.033
35.359	-0.009	35.376	0.017	35.392	-0.013	35.409	-0.035	40.449	-0.030	40.461	-0.020	40.490	-0.035	40.504	-0.035
35.431	0.004	35.445	-0.022	35.473	-0.018	35.491	-0.022	40.523	-0.036	40.550	-0.040	40.572	-0.058	40.594	-0.072
35.516	-0.031	35.539	0.008	35.553	0.034	35.571	0.021	40.616	-0.085	40.646	-0.077	40.678	-0.091	40.712	-0.070
35.592	0.034	35.613	-0.078	35.627	-0.078	35.639	-0.078	40.729	-0.066	40.753	-0.053	40.774	-0.101	40.797	-0.132
35.660	-0.026	35.677	-0.052	35.698	-0.022	35.709	-0.026	40.819	-0.115	40.845	-0.094	40.859	-0.095	40.882	-0.073
35.731	-0.087	35.757	-0.087	35.781	-0.048	35.799	-0.057	40.912	-0.039	40.939	-0.018	40.962	-0.049	40.980	-0.036
35.825	-0.031	35.844	-0.044	35.880	-0.022	35.904	-0.048	41.005	-0.019	41.028	-0.011	41.055	-0.007	41.064	0.001
35.920	-0.048	35.932	-0.048	35.950	-0.008	35.968	-0.048	41.086	0.009	41.110	-0.030	41.135	-0.065	41.159	-0.078
35.983	-0.083	36.003	-0.083	36.031	-0.040	36.052	0.008	41.193	-0.052	41.225	-0.020	41.250	-0.093	41.278	-0.102
36.077	-0.035	36.095	-0.061	36.125	-0.008	36.146	-0.068	41.299	-0.094	41.325	-0.059	41.350	-0.047	41.383	-0.030
36.166	-0.001	36.193	-0.044	36.205	-0.057	36.227	-0.019	41.401	-0.022	41.430	-0.018	41.455	-0.040	41.478	-0.066
36.251	-0.019	36.262	-0.023	36.290	-0.079	36.305	-0.079								



41.499	-0.036	41.529	-0.050	41.554	-0.080	41.583	-0.111
41.615	-0.086	41.649	-0.086	41.661	-0.095	41.683	-0.061
41.708	-0.044	41.718	-0.044	41.747	-0.062	41.767	-0.045
41.788	-0.028	41.812	-0.032	41.836	-0.054	41.863	-0.055
41.876	-0.042	41.905	-0.064	41.919	-0.073	41.930	-0.086
41.958	-0.057	41.989	-0.083	42.018	-0.075	42.041	-0.071
42.071	-0.072	42.094	-0.072	42.111	-0.060	42.130	-0.047
42.152	-0.060	42.181	-0.078	42.207	-0.074	42.230	-0.066
42.247	-0.067	42.273	-0.076	42.288	-0.106	42.312	-0.098
42.334	-0.077	42.354	-0.077	42.378	-0.078	42.399	-0.078
42.433	-0.057	42.451	-0.084	42.477	-0.102	42.504	-0.102
42.526	-0.090	42.537	-0.077	42.565	-0.108	42.585	-0.095
42.607	-0.087	42.623	-0.070	42.645	-0.062	42.667	-0.057
42.687	-0.097	42.719	-0.046	42.749	-0.090	42.779	-0.073
42.805	-0.057	42.826	-0.049	42.859	-0.084	42.883	-0.075
42.906	-0.076	42.923	-0.058	42.944	-0.046	42.974	-0.076
43.002	-0.069	43.022	-0.055	43.045	-0.073	43.075	-0.073
43.085	-0.069	43.102	-0.056	43.116	-0.056	43.126	-0.074
43.133	-0.104	43.157	-0.104	43.169	-0.113	43.187	-0.109
43.208	-0.100	43.222	-0.114	43.232	-0.096	43.243	-0.101
43.256	-0.110	43.279	-0.106	43.289	-0.110	43.312	-0.110
43.344	-0.111	43.372	-0.115	43.389	-0.106	43.408	-0.093
43.433	-0.097	43.445	-0.093	43.459	-0.088	43.482	-0.101
43.504	-0.136	43.530	-0.144	43.558	-0.140	43.587	-0.135
43.601	-0.122	43.618	-0.105	43.632	-0.100	43.652	-0.104
43.677	-0.117	43.687	-0.121	43.720	-0.113	43.737	-0.104
43.750	-0.104	43.773	-0.069	43.756	-0.065	43.817	-0.073
43.837	-0.103	43.850	-0.099	43.867	-0.081	43.882	-0.077
43.902	-0.064	43.930	-0.077	43.951	-0.098	43.964	-0.111
43.977	-0.094	43.983	-0.085	44.001	-0.102	44.012	-0.102
44.035	-0.081	44.045	-0.076	44.067	-0.093	44.086	-0.089
44.102	-0.093	44.115	-0.102	44.135	-0.093	44.158	-0.076
44.180	-0.071	44.210	-0.067	44.231	-0.067	44.257	-0.058
44.278	-0.084	44.301	-0.101	44.322	-0.101	44.347	-0.097
44.371	-0.092	44.387	-0.114	44.417	-0.123	44.440	-0.110
44.464	-0.093	44.488	-0.080	44.517	-0.075	44.554	-0.071
44.578	-0.093	44.595	-0.110	44.640	-0.110	44.675	-0.106
44.697	-0.106	44.718	-0.128	44.739	-0.128	44.766	-0.102
44.789	-0.093	44.810	-0.093	44.824	-0.089	44.872	-0.093
44.899	-0.098	44.918	-0.102	44.936	-0.089	44.965	-0.102
45.006	-0.098	45.027	-0.093	45.056	-0.093	45.082	-0.085
45.126	-0.085	45.152	-0.085	45.165	-0.098	45.183	-0.076
45.206	-0.080	45.236	-0.093	45.262	-0.106	45.290	-0.111
45.312	-0.102	45.332	-0.111	45.353	-0.119	45.368	-0.111
45.388	-0.111	45.406	-0.111	45.435	-0.106	45.448	-0.106
45.458	-0.089	45.488	-0.102	45.502	-0.111	45.518	-0.106
45.530	-0.080	45.544	-0.072	45.565	-0.085	45.576	-0.098
45.589	-0.093	45.612	-0.085	45.642	-0.102	45.668	-0.102



IH 122

71.083 2/9/71 0600PST ALHAMBRA 900 S.FREMONT AVE. 6TH FL SOUTH

2418 POINTS 45.645 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 0.2800 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.107	0.033	0.106	0.064	0.106	0.079	0.093	3.228	0.123	3.251	0.167	3.276	0.110	3.297	0.132				
0.100	0.097	0.144	0.110	0.189	0.122	0.213	0.109	3.311	0.164	3.318	0.164	3.346	0.124	3.367	0.093				
0.220	0.117	0.264	0.135	0.290	0.121	0.325	0.094	3.375	0.062	3.394	0.010	3.405	0.058	3.422	0.134				
0.352	0.103	0.368	0.062	0.380	0.076	0.395	0.102	3.445	0.179	3.465	0.166	3.484	0.184	3.503	0.167				
0.407	0.128	0.437	0.106	0.463	0.114	0.502	0.110	3.533	0.127	3.547	0.145	3.567	0.132	3.589	0.075				
0.520	0.105	0.550	0.109	0.571	0.104	0.576	0.117	3.611	0.120	3.634	0.164	3.652	0.160	3.663	0.129				
0.593	0.126	0.613	0.090	0.631	0.072	0.647	0.086	3.679	0.090	3.687	0.032	3.706	-0.021	3.724	-0.070				
0.673	0.116	0.690	0.138	0.720	0.151	0.733	0.085	3.741	0.014	3.758	0.093	3.765	0.115	3.797	0.097				
0.759	0.049	0.793	0.070	0.814	0.070	0.823	0.075	3.801	0.101	3.811	0.119	3.826	0.097	3.846	0.123				
0.851	0.154	0.866	0.185	0.886	0.185	0.894	0.184	3.868	0.144	3.892	0.143	3.918	0.194	3.935	0.282				
0.905	0.140	0.924	0.100	0.947	0.078	0.974	0.052	3.944	0.331	3.954	0.299	3.974	0.231	3.981	0.174				
1.003	0.029	1.033	0.087	1.070	0.122	1.088	0.149	3.983	0.080	3.992	0.235	4.001	0.128	4.012	0.061				
1.111	0.100	1.132	0.105	1.162	0.118	1.178	0.105	4.032	0.104	4.052	0.090	4.056	0.081	4.084	0.084				
1.202	0.100	1.213	0.083	1.228	0.065	1.244	0.047	4.105	0.047	4.117	0.091	4.125	0.104	4.140	0.091				
1.263	0.169	1.287	0.154	1.298	0.123	1.305	0.079	4.155	0.050	4.162	0.068	4.176	0.117	4.201	0.214				
1.325	0.123	1.355	0.128	1.389	0.107	1.396	0.124	4.224	0.267	4.263	0.156	4.263	0.107	4.283	0.018				
1.417	0.125	1.431	0.094	1.454	0.059	1.474	0.113	4.300	-0.009	4.317	0.066	4.356	0.163	4.380	0.226				
1.491	0.069	1.522	0.105	1.550	0.132	1.574	0.186	4.400	0.227	4.409	0.254	4.415	0.223	4.442	0.175				
1.590	0.110	1.622	0.040	1.636	0.027	1.667	0.112	4.466	0.088	4.478	-0.036	4.492	-0.075	4.501	-0.044				
1.679	0.121	1.693	0.095	1.706	0.113	1.724	0.166	4.518	0.014	4.536	0.082	4.582	0.199	4.602	0.266				
1.733	0.158	1.755	0.083	1.772	0.021	1.785	-0.014	4.620	0.325	4.628	0.302	4.658	0.241	4.667	0.148				
1.818	0.057	1.836	0.221	1.854	0.235	1.874	0.222	4.694	0.056	4.714	0.034	4.752	0.150	4.773	0.208				
1.887	0.156	1.903	0.152	1.914	0.077	1.929	-0.024	4.784	0.222	4.801	0.205	4.802	0.196	4.822	0.214				
1.945	-0.077	1.981	0.035	2.001	0.111	2.016	0.191	4.838	0.174	4.857	0.117	4.860	0.033	4.868	-0.043				
2.035	0.240	2.044	0.240	2.074	0.192	2.089	0.135	4.883	-0.163	4.906	-0.185	4.921	-0.124	4.938	-0.035				
2.106	0.082	2.117	0.052	2.143	0.074	2.156	0.115	4.946	0.031	4.961	0.159	4.986	0.256	4.999	0.287				
2.177	0.142	2.183	0.146	2.214	0.085	2.242	0.041	5.012	0.255	5.026	0.225	5.034	0.175	5.040	0.148				
2.257	0.014	2.264	0.010	2.284	0.055	2.318	0.184	5.049	0.148	5.058	0.068	5.067	0.019	5.050	0.014				
2.338	0.242	2.357	0.242	2.371	0.202	2.384	0.166	5.099	-0.008	5.110	-0.021	5.121	0.005	5.129	0.040				
2.395	0.144	2.426	0.126	2.452	0.086	2.467	0.108	5.148	-0.015	5.165	-0.177	5.176	0.216	5.198	0.216				
2.489	0.157	2.510	0.130	2.537	0.107	2.554	0.059	5.215	0.229	5.244	0.251	5.264	0.135	5.299	0.019				
2.559	0.054	2.576	0.076	2.617	0.102	2.639	0.120	5.318	-0.003	5.332	0.014	5.385	0.125	5.414	0.165				
2.660	0.142	2.681	0.120	2.700	0.088	2.717	0.070	5.429	0.174	5.463	0.161	5.467	0.121	5.487	0.019				
2.743	0.115	2.759	0.176	2.778	0.238	2.799	0.172	5.507	-0.048	5.536	-0.043	5.553	0.001	5.564	0.037				
2.823	0.118	2.844	0.131	2.859	0.145	2.875	0.122	5.595	0.117	5.610	0.143	5.618	0.197	5.647	0.365				
2.898	0.074	2.911	0.060	2.938	0.100	2.961	0.127	5.667	0.370	5.686	0.241	5.686	0.241	5.706	0.002				
2.975	0.122	2.989	0.074	3.008	-0.002	3.016	-0.002	5.716	-0.042	5.744	-0.073	5.765	-0.011	5.785	0.109				
3.038	0.078	3.052	0.145	3.065	0.167	3.085	0.184	5.813	0.224	5.829	0.335	5.846	0.393	5.866	0.379				
3.098	0.198	3.109	0.176	3.134	0.122	3.147	0.118	5.874	0.322	5.895	0.198	5.919	0.029	5.928	-0.028				
3.160	0.065	3.179	0.007	3.187	-0.019	3.213	0.047	5.960	-0.064	5.970	-0.104	6.004	-0.090	6.017	-0.019				



6.032	0.118	6.052	0.171	6.053	0.171	6.068	0.109	9.160	-0.043	9.176	-0.035	9.188	0.001	9.205	0.010
6.083	0.012	6.096	-0.086	6.111	-0.152	6.132	-0.028	9.219	0.178	9.231	0.328	9.238	0.328	9.244	0.971
6.149	0.691	6.175	0.321	6.192	0.321	6.197	0.379	9.245	1.165	9.268	1.276	9.283	1.302	9.287	1.205
6.206	0.374	6.211	0.321	6.225	0.245	6.235	0.143	9.304	0.965	9.324	0.770	9.328	0.739	9.336	0.734
6.241	0.081	6.264	0.023	6.292	-0.030	6.304	-0.035	9.348	0.583	9.365	0.378	9.375	0.174	9.396	0.057
6.321	0.120	6.340	0.275	6.357	0.350	6.366	0.389	9.405	-0.076	9.408	-0.121	9.425	-0.197	9.433	-0.158
6.389	0.380	6.389	0.433	6.402	0.552	6.412	0.649	9.449	-0.159	9.456	-0.067	9.461	0.070	9.480	0.007
6.431	0.764	6.443	0.847	6.444	0.852	6.462	0.962	9.497	0.219	9.524	0.218	9.533	0.500	9.544	0.543
6.465	0.588	6.475	0.899	6.481	0.811	6.502	0.517	9.560	0.427	9.574	0.645	9.589	-0.049	9.597	-0.236
6.519	0.145	6.537	-0.082	6.544	-0.299	6.551	-0.331	9.602	-0.436	9.624	-0.645	9.640	-0.752	9.658	-0.815
6.571	-0.549	6.592	-0.492	6.609	-0.528	6.630	-0.497	9.685	-0.842	9.708	-0.808	9.725	-0.773	9.738	-0.725
6.639	-0.453	6.661	-0.320	6.674	-0.112	6.691	-0.090	9.753	-0.681	9.772	-0.546	9.790	-0.407	9.835	0.057
6.652	-0.090	6.701	-0.081	6.714	-0.161	6.729	-0.263	9.849	0.362	9.866	0.585	9.878	0.664	9.889	0.625
6.748	-0.401	6.758	-0.472	6.769	-0.503	6.780	-0.481	9.903	0.537	9.916	0.533	9.930	0.600	9.937	-0.003
6.798	-0.414	6.799	-0.361	6.814	-0.206	6.829	-0.113	9.965	-0.028	9.983	0.185	10.000	0.408	10.021	0.643
6.843	0.033	6.861	0.064	6.880	0.185	6.902	0.230	10.032	-0.679	10.045	-0.648	10.058	0.497	10.074	0.315
6.916	0.248	6.931	0.213	6.947	0.303	6.959	0.330	10.090	0.173	10.104	0.102	10.117	0.190	10.135	0.288
6.967	0.547	6.988	0.570	6.989	0.561	7.008	0.518	10.149	0.323	10.166	0.336	10.183	0.243	10.159	0.251
7.021	0.478	7.033	0.435	7.044	0.435	7.059	0.431	10.216	0.206	10.219	0.183	10.236	0.218	10.239	0.231
7.072	0.427	7.095	0.433	7.110	0.442	7.118	0.464	10.255	0.226	10.261	0.243	10.275	0.176	10.368	0.166
7.133	0.540	7.137	0.616	7.147	0.683	7.166	0.705	10.324	0.222	10.325	0.227	10.356	0.163	10.388	0.101
7.181	0.572	7.183	0.390	7.196	0.195	7.213	0.040	10.401	0.101	10.404	0.106	10.404	0.176	10.411	0.105
7.230	-0.017	7.248	-0.119	7.257	-0.248	7.276	-0.359	10.428	0.132	10.436	0.163	10.441	0.074	10.449	0.012
7.292	-0.430	7.311	-0.443	7.331	-0.447	7.340	-0.443	10.460	-0.032	10.475	-0.294	10.490	-0.325	10.498	-0.338
7.356	-0.195	7.374	-0.133	7.396	-0.072	7.407	-0.135	10.502	-0.387	10.522	-0.338	10.542	-0.245	10.560	-0.135
7.416	-0.117	7.423	-0.104	7.449	-0.198	7.458	-0.367	10.582	0.118	10.596	0.348	10.617	0.538	10.632	0.640
7.481	-0.395	7.506	-0.325	7.511	-0.210	7.528	-0.077	10.637	0.569	10.654	0.250	10.673	-0.096	10.690	-0.331
7.555	0.028	7.569	0.054	7.572	0.005	7.587	-0.011	10.705	-0.504	10.716	-0.592	10.734	-0.628	10.745	-0.450
7.614	-0.050	7.622	0.109	7.635	0.189	7.643	0.377	10.760	-0.176	10.774	-0.352	10.782	0.511	10.789	0.679
7.661	0.556	7.674	0.688	7.687	0.768	7.700	0.807	10.795	0.821	10.800	0.919	10.809	0.990	10.815	1.052
7.725	0.838	7.740	0.979	7.756	1.037	7.764	1.116	10.825	1.065	10.833	1.025	10.842	0.892	10.851	0.670
7.779	1.165	7.787	1.080	7.797	0.987	7.816	0.774	10.858	0.573	10.870	0.250	10.888	-0.220	10.899	-0.499
7.838	0.436	7.848	0.232	7.858	0.046	7.873	-0.154	10.910	-0.716	10.916	-0.823	10.926	-0.924	10.942	-0.814
7.888	-0.323	7.909	-0.510	7.927	-0.444	7.945	-0.192	10.956	-0.716	10.970	-0.384	10.981	-0.113	10.987	0.637
7.954	0.033	7.968	0.272	7.992	0.439	8.004	0.474	10.958	0.188	11.023	0.215	11.040	0.113	11.050	0.091
8.021	0.336	8.037	0.238	8.038	0.034	8.052	-0.254	11.059	0.149	11.073	0.202	11.096	0.237	11.116	0.277
8.070	-0.490	8.088	-0.907	8.100	-1.063	8.113	-1.178	11.132	0.251	11.144	0.277	11.183	0.215	11.156	0.229
8.145	-1.189	8.159	-0.950	8.173	-0.733	8.173	-0.733	11.216	-0.321	11.226	-0.059	11.241	-0.245	11.250	-0.299
8.188	-0.455	8.213	-0.133	8.230	0.075	8.230	0.075	11.261	-0.321	11.269	-0.254	11.288	-0.232	11.313	-0.343
8.247	0.655	8.255	0.845	8.272	0.977	8.291	1.114	11.330	-0.498	11.346	-0.684	11.360	-0.861	11.371	-0.950
8.304	1.011	8.314	0.904	8.325	0.576	8.340	0.212	11.385	-1.030	11.400	-1.101	11.413	-1.123	11.420	-1.118
8.353	-0.090	8.358	-0.347	8.370	-0.604	8.380	-0.683	11.430	-1.083	11.438	-1.052	11.465	-0.883	11.485	-0.795
8.394	-0.475	8.404	-0.267	8.419	0.194	8.429	0.505	11.519	-0.511	11.542	-0.139	11.566	0.131	11.588	0.229
8.439	0.762	8.448	0.992	8.457	1.143	8.472	1.232	11.611	0.348	11.626	0.546	11.663	0.761	11.685	0.716
8.496	1.276	8.509	1.174	8.513	1.188	8.523	1.192	11.709	0.734	11.729	0.796	11.744	0.805	11.765	0.730
8.536	1.126	8.561	0.989	8.568	0.882	8.586	0.750	11.780	0.707	11.797	0.508	11.816	0.410	11.838	0.353
8.597	0.772	8.613	0.559	8.621	0.404	8.640	0.147	11.845	0.379	11.866	0.615	11.883	0.761	11.895	0.938
8.658	-0.052	8.675	-0.162	8.690	-0.162	8.719	-0.028	11.913	1.022	11.923	1.026	11.947	0.800	11.957	0.574
8.733	-0.014	8.746	-0.005	8.753	0.017	8.755	0.035	11.968	0.224	11.982	-0.073	11.997	-0.338	12.011	-0.507
8.778	0.022	8.786	0.129	8.803	-0.323	8.811	-0.549	12.023	-0.560	12.041	-0.538	12.068	-0.414	12.085	-0.321
8.822	-0.757	8.853	-0.774	8.859	-0.610	8.880	-0.437	12.095	-0.294	12.113	-0.192	12.122	-0.179	12.134	-0.201
8.902	-0.162	8.910	0.073	8.923	0.202	8.933	0.189	12.142	-0.188	12.157	-0.294	12.174	-0.445	12.195	-0.529
8.945	0.144	8.957	0.100	8.960	-0.055	8.973	-0.205	12.214	-0.423	12.236	-0.161	12.265	0.246	12.282	0.468
8.984	-0.232	8.995	-0.440	9.005	-0.506	9.018	-0.546	12.258	0.649	12.318	0.734	12.326	0.734	12.346	0.774
9.041	-0.625	9.063	-0.519	9.078	-0.439	9.087	-0.421	12.368	0.849	12.384	0.947	12.395	0.960	12.410	1.000
9.100	-0.394	9.105	-0.430	9.121	-0.323	9.152	-0.132	12.442	0.885	12.454	0.796	12.473	0.566	12.488	0.433



12.500	0.340	12.514	0.322	12.527	0.282	12.547	0.300	16.412	0.522	16.443	0.490	16.469	0.450	16.481	0.405
12.564	0.295	12.583	0.335	12.600	0.331	12.613	0.348	16.490	0.431	16.501	0.391	16.515	0.421	16.528	0.412
12.628	0.300	12.646	0.233	12.655	0.229	12.666	0.211	16.541	0.469	16.550	0.478	16.568	0.402	16.585	0.335
12.678	0.220	12.692	0.176	12.704	0.145	12.722	0.024	16.600	0.242	16.621	0.174	16.646	0.143	16.646	0.178
12.742	-0.250	12.759	-0.374	12.768	-0.392	12.786	-0.321	16.663	0.201	16.678	0.219	16.690	0.223	16.699	0.201
12.800	-0.210	12.820	-0.024	12.833	0.016	12.846	-0.042	16.742	0.046	16.758	-0.020	16.780	-0.100	16.794	0.122
12.868	-0.228	12.898	-0.560	12.910	-0.711	12.926	-0.848	16.810	-0.149	16.843	-0.166	16.872	-0.170	16.900	-0.191
12.946	-0.994	12.959	-1.030	12.971	-1.003	13.003	-0.866	16.934	-0.089	16.954	0.063	16.964	0.120	16.995	0.234
13.020	-0.711	13.027	-0.689	13.041	-0.582	13.048	-0.589	17.008	0.312	17.028	0.304	17.041	0.278	17.064	0.299
13.059	-0.507	13.071	-0.525	13.080	-0.516	13.097	-0.569	17.079	0.163	17.093	0.115	17.116	0.023	17.122	0.014
13.112	-0.556	13.120	-0.573	13.133	-0.542	13.147	-0.556	17.144	0.041	17.156	0.085	17.182	0.258	17.192	0.311
13.164	-0.445	13.170	-0.378	13.176	-0.365	13.193	-0.126	17.203	0.342	17.213	0.329	17.247	0.200	17.258	0.312
13.208	-0.033	13.223	0.012	13.238	-0.073	13.247	-0.042	17.279	0.112	17.290	0.067	17.305	0.041	17.321	0.010
13.260	-0.086	13.272	-0.055	13.295	-0.096	13.306	0.122	17.340	-0.052	17.355	-0.039	17.382	0.032	17.398	0.036
13.318	0.105	13.330	0.149	13.348	0.145	13.363	0.114	17.416	-0.013	17.454	-0.133	17.460	-0.146	17.470	-0.213
13.377	0.056	13.398	-0.135	13.428	-0.414	13.441	-0.502	17.486	-0.209	17.496	-0.249	17.510	-0.320	17.533	-0.360
13.450	-0.529	13.470	-0.480	13.501	-0.285	13.527	-0.135	17.547	-0.347	17.570	-0.294	17.591	-0.267	17.611	-0.236
13.545	-0.050	13.563	0.007	13.586	0.038	13.616	0.055	17.647	-0.259	17.657	-0.250	17.695	-0.138	17.737	0.013
13.633	-0.206	13.651	-0.378	13.663	-0.494	13.691	-0.578	17.762	0.088	17.784	0.186	17.795	0.177	17.809	0.230
13.703	-0.551	13.716	-0.498	13.737	-0.427	13.751	-0.330	17.835	0.213	17.851	0.248	17.860	0.249	17.886	0.288
13.769	-0.250	13.787	-0.148	13.811	-0.073	13.825	-0.033	17.910	0.338	17.925	0.338	17.946	0.370	17.973	0.388
13.844	-0.099	13.862	-0.215	13.872	-0.224	13.886	-0.313	17.990	0.388	18.004	0.357	18.032	0.194	18.040	-0.101
13.918	-0.295	13.946	-0.159	13.962	-0.048	13.989	0.284	18.068	-0.031	18.081	-0.151	18.099	-0.173	18.111	-0.217
14.010	0.700	14.032	1.072	14.062	1.537	14.077	1.474	18.132	-0.172	18.143	-0.181	18.158	-0.154	18.180	-0.141
14.100	1.297	14.112	1.093	14.141	0.773	14.151	0.560	18.191	-0.185	18.198	-0.176	18.232	-0.251	18.242	-0.264
14.175	0.311	14.184	0.258	14.195	0.320	14.212	0.496	18.269	-0.244	18.290	-0.015	18.322	0.193	18.347	0.326
14.231	0.717	14.241	0.792	14.263	0.876	14.285	0.831	18.362	0.348	18.380	0.388	18.397	0.371	18.416	0.273
14.314	0.427	14.343	0.059	14.354	-0.039	14.368	-0.074	18.433	0.320	18.445	0.167	18.455	0.176	18.508	0.402
14.383	0.088	14.416	0.023	14.436	0.147	14.452	0.236	18.530	0.477	18.549	0.512	18.570	0.490	18.584	0.424
14.474	0.351	14.490	0.378	14.504	0.333	14.535	0.138	18.604	0.300	18.639	0.171	18.654	0.193	18.667	0.198
14.547	0.112	14.569	0.192	14.604	0.506	14.627	0.732	18.702	0.236	18.715	0.233	18.715	0.233	18.743	0.136
14.645	0.803	14.669	0.883	14.685	0.874	14.699	0.861	18.764	0.025	18.796	-0.166	18.815	-0.276	18.833	-0.338
14.718	0.733	14.739	0.604	14.752	0.485	14.780	0.361	18.855	-0.303	18.876	-0.356	18.919	-0.259	18.936	-0.290
14.795	0.383	14.820	0.409	14.842	0.463	14.861	0.414	18.953	-0.334	18.976	-0.387	18.997	-0.343	19.018	-0.245
14.873	0.405	14.901	0.285	14.921	0.285	14.951	0.170	19.047	-0.030	19.076	0.007	19.115	0.096	19.157	0.207
15.048	-0.185	15.065	-0.216	15.084	-0.234	15.107	-0.199	19.184	0.264	19.219	0.375	19.249	0.455	19.264	0.490
15.125	-0.208	15.146	-0.252	15.173	-0.323	15.197	-0.425	19.383	0.455	19.306	0.441	19.339	0.300	19.360	0.233
15.218	-0.580	15.239	-0.774	15.250	-0.828	15.266	-0.845	19.459	0.007	19.469	-0.026	19.505	-0.228	19.530	-0.356
15.354	-0.610	15.361	-0.526	15.316	-0.734	15.336	-0.663	19.562	-0.458	19.582	-0.511	19.597	-0.520	19.619	-0.569
15.414	-0.153	15.426	-0.117	15.438	-0.068	15.457	-0.130	19.650	-0.493	19.677	-0.382	19.699	-0.285	19.718	-0.138
15.477	-0.183	15.484	-0.196	15.493	-0.218	15.510	-0.227	19.760	-0.018	19.776	-0.031	19.793	-0.022	19.812	-0.040
15.528	-0.151	15.536	-0.156	15.558	-0.018	15.573	0.080	19.829	0.009	19.856	0.191	19.882	0.409	19.902	0.520
15.591	0.133	15.604	0.187	15.625	0.129	15.646	0.066	19.913	0.538	19.932	0.520	19.947	0.432	19.959	0.397
15.668	-0.096	15.687	-0.193	15.710	-0.192	15.726	-0.116	20.022	0.362	20.022	0.403	20.041	0.403	20.072	0.310
15.739	-0.045	15.751	-0.018	15.769	-0.044	15.784	-0.058	20.081	0.279	20.097	0.191	20.108	0.165	20.130	0.103
15.800	0.041	15.806	0.045	15.827	-0.012	15.849	-0.047	20.140	0.085	20.172	0.050	20.198	0.081	20.214	0.054
15.862	-0.113	15.873	-0.113	15.896	-0.192	15.913	-0.271	20.236	-0.008	20.279	-0.234	20.307	-0.296	20.334	-0.318
15.921	-0.375	15.945	-0.426	15.967	-0.425	15.991	-0.385	20.350	-0.313	20.371	-0.340	20.395	-0.341	20.412	-0.328
16.007	-0.254	16.030	-0.339	16.047	-0.335	16.067	-0.281	20.461	-0.104	20.488	0.068	20.509	0.143	20.540	0.160
16.086	-0.254	16.106	-0.187	16.128	-0.147	16.142	-0.151	20.639	0.314	20.660	0.415	20.668	0.423	20.708	0.505
16.162	-0.125	16.177	-0.138	16.196	-0.090	16.211	-0.072	20.725	0.523	20.755	0.424	20.768	0.286	20.810	0.223
16.224	-0.010	16.240	0.020	16.262	0.104	16.276	0.095	20.826	0.170	20.838	0.156	20.893	-0.004	20.908	-0.061
16.291	0.153	16.297	0.166	16.320	0.307	16.347	0.444	20.930	-0.101	20.994	-0.233	21.017	-0.304	21.042	-0.327
16.369	0.524	16.382	0.528	16.389	0.541	16.399	0.505	21.071	-0.309	21.095	-0.323	21.147	-0.474	21.178	-0.503



21.204	-0.424	21.231	-0.284	21.257	-0.170	21.276	-0.123	26.338	-0.029	26.357	-0.034	26.385	-0.039	26.407	-0.065
21.299	-0.102	21.349	-0.093	21.385	0.011	21.406	0.139	26.429	-0.066	26.459	0.001	26.470	0.000	26.496	0.111
21.429	0.243	21.444	0.335	21.468	0.365	21.470	0.365	26.515	0.173	26.549	0.195	26.587	0.225	26.618	0.234
21.473	0.360	21.475	0.360	21.477	0.355	21.498	0.305	26.643	0.242	26.663	0.242	26.689	0.197	26.712	0.135
21.509	0.309	21.527	0.281	21.545	0.285	21.573	0.283	26.760	0.108	26.765	0.135	26.790	0.169	26.812	0.165
21.606	0.241	21.630	0.204	21.659	0.176	21.685	0.162	26.832	0.156	26.857	0.102	26.877	0.030	26.898	-0.010
21.709	0.113	21.729	0.068	21.748	-0.003	21.768	-0.106	26.920	-0.015	26.943	0.019	26.974	0.049	26.996	0.071
21.790	-0.244	21.808	-0.351	21.829	-0.440	21.838	-0.471	27.035	0.092	27.065	0.105	27.093	0.117	27.130	0.133
21.848	-0.471	21.864	-0.507	21.892	-0.472	21.920	-0.410	27.152	0.142	27.170	0.146	27.196	0.145	27.215	0.145
21.946	-0.330	21.964	-0.277	21.985	-0.220	22.004	-0.149	27.233	0.157	27.258	0.183	27.278	0.236	27.303	0.266
22.027	-0.079	22.045	-0.070	22.071	-0.075	22.108	-0.066	27.331	0.221	27.351	0.154	27.377	0.083	27.394	0.043
22.128	-0.027	22.152	0.044	22.172	0.132	22.196	0.234	27.422	0.008	27.447	0.003	27.471	0.003	27.488	0.003
22.213	0.318	22.236	0.388	22.253	0.366	22.272	0.326	27.506	0.003	27.525	-0.007	27.549	-0.010	27.571	-0.037
22.290	0.277	22.316	0.290	22.337	0.316	22.359	0.360	27.596	-0.077	27.620	-0.108	27.654	-0.157	27.677	-0.180
22.380	0.374	22.405	0.294	22.428	0.183	22.531	0.085	27.707	-0.175	27.717	-0.171	27.755	-0.162	27.776	-0.171
22.468	0.023	22.490	-0.012	22.519	-0.021	22.538	-0.061	27.802	-0.153	27.836	-0.127	27.864	-0.110	27.892	-0.123
22.569	-0.146	22.585	-0.234	22.606	-0.310	22.622	-0.372	27.919	-0.115	27.944	-0.097	27.971	-0.075	28.002	-0.062
22.641	-0.389	22.665	-0.327	22.687	-0.256	22.708	-0.199	28.025	-0.049	28.048	-0.045	28.075	-0.063	28.096	-0.107
22.733	-0.177	22.752	-0.172	22.773	-0.194	22.785	-0.212	28.121	-0.156	28.137	-0.183	28.160	-0.183	28.180	-0.166
22.807	-0.181	22.832	-0.097	22.855	-0.013	22.877	0.072	28.198	-0.148	28.222	-0.117	28.245	-0.086	28.269	-0.082
22.905	0.143	22.933	0.214	22.949	0.231	22.969	0.227	28.292	-0.091	28.311	-0.091	28.332	-0.118	28.344	-0.123
22.990	0.223	23.022	0.236	23.050	0.205	23.082	0.152	28.357	-0.145	28.381	-0.123	28.399	-0.106	28.418	-0.062
23.106	0.126	23.127	0.130	23.161	0.108	23.196	0.100	28.439	-0.057	28.460	-0.058	28.476	-0.076	28.496	-0.089
23.216	0.095	23.245	0.069	23.268	-0.015	23.283	-0.104	28.509	0.089	28.531	-0.063	28.548	-0.041	28.574	0.029
23.305	-0.246	23.322	-0.339	23.342	-0.418	23.361	-0.463	28.594	0.087	28.619	0.117	28.636	0.135	28.650	0.121
23.382	-0.471	23.405	-0.423	23.433	-0.387	23.457	-0.347	28.672	0.081	28.697	0.054	28.720	0.084	28.741	0.128
23.476	-0.312	23.495	-0.312	23.521	-0.259	23.542	-0.214	28.760	0.155	28.779	0.181	28.793	0.176	28.816	0.131
23.565	-0.179	23.607	-0.135	23.637	-0.104	23.660	-0.059	28.831	0.069	28.848	0.034	28.864	0.007	28.886	0.011
23.681	-0.002	23.701	0.056	23.718	0.096	23.748	0.145	28.907	0.055	28.924	0.081	28.937	0.116	28.955	0.134
23.771	0.114	23.797	0.091	23.801	0.083	23.822	0.083	28.975	0.142	29.002	0.058	29.034	-0.027	29.066	-0.009
23.840	0.033	23.861	0.114	23.883	0.100	23.901	0.078	29.095	0.012	29.121	0.034	29.145	0.069	29.165	0.073
23.925	-0.008	23.942	-0.037	23.961	-0.085	23.978	-0.090	29.191	0.055	29.212	0.024	29.235	0.019	29.251	0.019
23.996	-0.098	24.022	-0.085	24.048	-0.076	24.081	-0.080	29.273	0.045	29.300	0.085	29.315	0.094	29.334	0.089
24.107	-0.129	24.128	-0.155	24.159	-0.169	24.166	-0.164	29.354	0.071	29.373	0.030	29.395	0.012	29.405	-0.001
24.187	0.029	24.216	0.102	24.252	-0.080	24.269	-0.057	29.434	0.029	29.464	0.077	29.482	0.076	29.500	0.062
24.309	0.058	24.345	0.165	24.362	0.218	24.385	0.231	29.526	0.022	29.550	-0.032	29.574	-0.068	29.594	-0.069
24.415	0.173	24.448	0.137	24.471	0.164	24.501	0.221	29.617	-0.021	29.647	0.045	29.665	-0.040	29.686	0.008
24.526	0.261	24.547	0.270	24.559	0.252	24.579	0.208	29.750	-0.041	29.768	-0.086	29.787	-0.163	29.737	-0.140
24.598	0.150	24.615	0.093	24.636	0.066	24.668	0.062	29.823	-0.098	29.834	-0.085	29.853	-0.099	29.867	-0.099
24.688	0.053	24.712	0.026	24.739	0.008	24.773	-0.018	29.978	-0.078	29.911	-0.167	29.935	-0.180	29.958	-0.190
24.773	-0.018	24.791	-0.022	24.817	0.004	24.837	0.048	30.063	-0.192	30.092	-0.153	30.017	-0.218	30.037	-0.205
24.862	0.026	24.885	-0.022	24.912	-0.061	24.938	-0.030	30.154	-0.097	30.171	-0.058	30.151	-0.107	30.139	-0.097
24.977	0.068	25.009	0.139	25.038	0.184	25.062	0.202	30.230	-0.121	30.253	-0.140	30.286	-0.132	30.311	-0.112
25.081	0.180	25.104	0.145	25.142	0.141	25.170	0.195	30.347	-0.067	30.370	-0.056	30.387	-0.054	30.401	-0.077
25.202	0.235	25.231	0.217	25.255	0.182	25.283	0.134	30.502	-0.100	30.521	-0.005	30.456	-0.083	30.481	-0.057
25.309	0.090	25.336	0.050	25.360	0.029	25.380	0.006	30.591	-0.011	30.610	-0.038	30.535	0.013	30.563	0.021
25.403	-0.064	25.419	-0.095	25.443	-0.179	25.465	-0.232	30.672	0.052	30.796	0.047	30.819	0.046	30.842	0.041
25.490	-0.268	25.514	-0.281	25.536	-0.272	25.562	-0.241	30.786	0.042	30.796	0.047	30.819	0.046	30.842	0.041
25.585	-0.197	25.615	-0.188	25.639	-0.201	25.675	-0.245	30.861	0.041	30.876	0.040	30.891	0.040	30.907	0.039
25.693	-0.254	25.714	-0.197	25.735	-0.135	25.755	-0.086	30.928	0.043	30.955	0.049	31.058	0.031	31.074	0.017
25.776	-0.042	25.794	-0.028	25.807	-0.055	25.824	-0.081	31.037	0.049	31.037	0.049	31.058	0.031	31.074	0.017
25.844	-0.121	25.868	-0.143	25.886	-0.148	25.911	-0.108	31.089	0.013	31.108	0.035	31.127	0.039	31.145	0.038
25.936	-0.033	25.966	0.012	25.987	0.016	26.016	-0.028	31.173	-0.006	31.196	-0.042	31.211	-0.047	31.235	-0.021
26.044	-0.068	26.067	-0.117	26.087	-0.148	26.110	-0.184								
26.138	-0.188	26.163	-0.188	26.188	-0.202	26.206	-0.211								
26.237	-0.215	26.257	-0.197	26.283	-0.131	26.318	-0.065								



31.261	0.014	31.282	0.023	31.306	0.031	31.327	0.022	35.504	-0.065	35.527	-0.075	35.549	-0.097	35.565	-0.097
31.350	-0.001	31.368	-0.023	31.391	-0.042	31.417	-0.033	35.590	-0.097	35.613	-0.071	35.625	-0.071	35.642	-0.080
31.440	-0.003	31.458	0.019	31.487	0.032	31.511	0.005	35.658	-0.085	35.677	-0.094	35.693	-0.112	35.706	-0.103
31.539	-0.023	31.566	-0.059	31.592	-0.059	31.618	-0.047	35.719	-0.094	35.733	-0.081	35.753	-0.059	35.766	-0.050
31.642	-0.025	31.662	-0.008	31.687	-0.018	31.717	-0.040	35.782	-0.046	35.803	-0.065	35.822	-0.104	35.837	-0.131
31.740	-0.063	31.763	-0.086	31.792	-0.091	31.807	-0.092	35.852	-0.153	35.869	-0.158	35.880	-0.145	35.891	-0.140
31.824	-0.088	31.846	-0.106	31.862	-0.120	31.883	-0.151	35.929	-0.149	35.952	-0.136	35.972	-0.145	36.000	-0.136
31.901	-0.182	31.921	-0.218	31.939	-0.232	31.958	-0.228	36.016	-0.119	36.030	-0.132	36.052	-0.141	36.071	-0.154
32.028	-0.202	32.047	-0.180	32.064	-0.153	32.080	-0.158	36.083	-0.141	36.105	-0.132	36.125	-0.123	36.137	-0.137
32.108	-0.245	32.125	-0.254	32.140	-0.237	32.158	-0.211	36.155	-0.150	36.177	-0.163	36.200	-0.159	36.219	-0.146
32.175	-0.177	32.197	-0.151	32.215	-0.138	32.227	-0.152	36.242	-0.110	36.263	-0.075	36.285	-0.053	36.304	-0.044
32.248	-0.148	32.274	-0.145	32.290	-0.146	32.314	-0.138	36.324	-0.057	36.344	-0.075	36.360	-0.092	36.375	-0.101
32.336	-0.125	32.361	-0.118	32.393	-0.106	32.420	-0.095	36.393	-0.092	36.414	-0.083	36.427	-0.070	36.444	-0.063
32.444	-0.087	32.467	-0.080	32.490	-0.077	32.508	-0.078	36.458	-0.012	36.468	0.015	36.477	0.023	36.491	0.010
32.526	-0.078	32.551	-0.115	32.570	-0.120	32.585	-0.134	36.512	-0.025	36.537	-0.083	36.570	-0.127	36.599	-0.162
32.608	-0.122	32.627	-0.114	32.649	-0.110	32.668	-0.115	36.615	-0.167	36.635	-0.166	36.663	-0.153	36.683	-0.082
32.686	-0.120	32.709	-0.124	32.734	-0.125	32.755	-0.121	36.700	-0.064	36.722	-0.051	36.743	-0.064	36.755	-0.073
32.779	-0.112	32.807	-0.086	32.825	-0.078	32.842	-0.082	36.787	-0.091	36.798	-0.073	36.814	-0.064	36.836	-0.051
32.852	-0.087	32.863	-0.109	32.877	-0.096	32.887	-0.096	36.857	-0.029	36.882	-0.010	36.906	-0.023	36.930	0.001
32.907	-0.096	32.931	-0.079	32.956	-0.035	32.974	-0.030	36.951	-0.021	36.972	-0.039	36.994	-0.039	37.017	-0.057
32.992	-0.022	33.007	-0.022	33.022	-0.017	33.037	-0.035	37.024	-0.049	37.052	-0.049	37.065	-0.049	37.085	-0.076
33.052	-0.053	33.067	-0.058	33.088	-0.058	33.113	-0.054	37.103	-0.076	37.135	-0.076	37.169	-0.059	37.201	-0.077
33.132	-0.058	33.149	-0.049	33.169	-0.041	33.188	-0.028	37.210	-0.077	37.224	-0.090	37.260	-0.130	37.281	-0.157
33.204	-0.014	33.219	-0.001	33.238	-0.012	33.253	-0.017	37.295	-0.148	37.322	-0.087	37.342	-0.038	37.367	-0.043
33.270	0.012	33.290	-0.001	33.305	-0.023	33.321	-0.045	37.358	-0.083	37.411	-0.094	37.443	-0.128	37.458	-0.128
33.337	-0.054	33.354	-0.054	33.373	-0.063	33.390	-0.076	37.481	-0.106	37.511	-0.075	37.541	-0.054	37.553	-0.022
33.408	-0.080	33.425	-0.094	33.440	-0.120	33.455	-0.124	37.561	-0.040	37.605	-0.075	37.623	-0.054	37.642	-0.063
33.468	-0.142	33.481	-0.151	33.497	-0.164	33.508	-0.177	37.660	-0.059	37.684	-0.081	37.710	-0.099	37.733	-0.117
33.522	-0.168	33.539	-0.151	33.551	-0.146	33.569	-0.133	37.766	-0.130	37.792	-0.152	37.818	-0.139	37.840	-0.144
33.590	-0.128	33.609	-0.133	33.627	-0.141	33.643	-0.150	37.864	-0.153	37.893	-0.158	37.918	-0.158	37.946	-0.158
33.659	-0.159	33.674	-0.163	33.685	-0.163	33.702	-0.156	37.966	-0.149	37.990	-0.150	38.016	-0.154	38.036	-0.159
33.720	-0.145	33.740	-0.123	33.756	-0.105	33.773	-0.096	38.060	-0.139	38.086	-0.112	38.111	-0.155	38.131	-0.155
33.785	-0.091	33.802	-0.082	33.817	-0.078	33.829	-0.082	38.155	-0.158	38.185	-0.112	38.214	-0.081	38.232	-0.055
33.845	-0.091	33.865	-0.099	33.881	-0.108	33.896	-0.116	38.246	-0.046	38.259	-0.038	38.279	-0.060	38.301	-0.069
33.913	-0.102	33.932	-0.093	33.944	-0.075	33.962	-0.075	38.321	-0.087	38.340	-0.119	38.362	-0.115	38.378	-0.163
33.988	-0.074	34.009	-0.083	34.026	-0.082	34.042	-0.073	38.389	-0.172	38.407	-0.141	38.429	-0.115	38.445	-0.097
34.061	-0.073	34.083	-0.072	34.104	-0.094	34.126	-0.098	38.466	-0.080	38.487	-0.076	38.500	-0.080	38.516	-0.089
34.139	-0.115	34.161	-0.137	34.179	-0.168	34.194	-0.176	38.533	-0.058	38.547	-0.089	38.570	-0.081	38.590	-0.054
34.215	-0.180	34.236	-0.176	34.252	-0.167	34.274	-0.162	38.611	-0.050	38.628	-0.050	38.646	-0.059	38.665	-0.081
34.296	-0.166	34.316	-0.170	34.336	-0.188	34.357	-0.214	38.681	-0.104	38.699	-0.117	38.716	-0.113	38.737	-0.091
34.379	-0.228	34.396	-0.219	34.418	-0.201	34.442	-0.183	38.756	-0.051	38.775	-0.016	38.794	0.002	38.811	0.019
34.459	-0.152	34.488	-0.126	34.508	-0.108	34.534	-0.099	38.826	0.010	38.843	-0.021	38.863	-0.052	38.881	0.066
34.560	-0.095	34.578	-0.095	34.607	-0.099	34.627	-0.095	38.902	-0.066	38.923	-0.040	38.950	-0.023	38.976	-0.014
34.650	-0.081	34.671	-0.068	34.691	-0.042	34.711	-0.019	38.994	-0.006	39.018	-0.015	39.060	-0.016	39.103	-0.016
34.732	0.003	34.753	0.003	34.776	-0.015	34.793	-0.037	39.121	-0.021	39.158	-0.062	39.199	-0.098	39.227	-0.108
34.810	-0.055	34.833	-0.077	34.854	-0.073	34.880	-0.055	39.259	-0.104	39.290	-0.082	39.321	-0.065	39.348	-0.083
34.899	-0.033	34.915	-0.019	34.929	-0.028	34.948	-0.050	39.367	-0.097	39.390	-0.106	39.416	-0.089	39.448	-0.067
34.968	-0.059	34.987	-0.077	35.005	-0.066	35.021	-0.086	39.475	-0.067	39.493	-0.063	39.529	-0.094	39.543	-0.095
35.040	-0.050	35.057	-0.028	35.076	-0.006	35.086	0.003	39.574	-0.086	39.612	-0.073	39.634	-0.074	39.665	-0.065
35.097	-0.015	35.115	-0.042	35.139	-0.073	35.161	-0.086	39.689	-0.079	39.725	-0.088	39.747	-0.097	39.769	-0.110
35.175	-0.112	35.188	-0.121	35.204	-0.117	35.227	-0.108	39.789	-0.119	39.811	-0.124	39.833	-0.138	39.857	-0.129
35.246	-0.090	35.261	-0.059	35.277	-0.033	35.292	-0.019	39.874	-0.129	39.894	-0.147	39.919	-0.156	39.937	-0.156
35.304	-0.019	35.331	-0.037	35.351	-0.059	35.367	-0.082	39.967	-0.143	39.993	-0.135	40.009	-0.139	40.030	-0.162
35.364	-0.104	35.372	-0.104	35.388	-0.091	35.411	-0.069	40.056	-0.202	40.085	-0.229	40.112	-0.215	40.149	-0.172
35.432	-0.047	35.444	-0.038	35.466	-0.043	35.484	-0.061	40.178	-0.154	40.196	-0.163	40.238	-0.182	40.253	-0.182
								40.284	-0.151	40.337	-0.108	40.377	-0.068	40.428	-0.068



40.464	-0.060	40.486	-0.065	40.523	-0.065	40.548	-0.105	44.340	-0.236	44.352	-0.244	44.372	-0.253	44.387	-0.275
40.591	-0.079	40.636	-0.057	40.668	-0.088	40.704	-0.137	44.398	-0.279	44.411	-0.301	44.428	-0.315	44.442	-0.297
40.734	-0.159	40.780	-0.141	40.811	-0.124	40.847	-0.115	44.461	-0.288	44.478	-0.261	44.496	-0.243	44.511	-0.243
40.849	-0.102	40.894	-0.097	40.919	-0.111	40.947	-0.115	44.524	-0.243	44.542	-0.247	44.556	-0.251	44.577	-0.242
40.975	-0.107	41.025	-0.063	41.062	-0.032	41.094	-0.023	44.593	-0.225	44.606	-0.202	44.621	-0.167	44.640	-0.140
41.131	-0.006	41.180	-0.020	41.212	-0.047	41.228	-0.033	44.657	-0.135	44.675	-0.131	44.689	-0.113	44.705	-0.122
41.263	-0.024	41.316	-0.023	41.350	-0.004	41.406	-0.066	44.722	-0.131	44.737	-0.144	44.751	-0.144	44.771	-0.127
41.451	-0.102	41.499	-0.125	41.549	-0.139	41.580	-0.153	44.788	-0.113	44.810	-0.091	44.830	-0.078	44.848	-0.056
41.603	-0.175	41.630	-0.184	41.661	-0.189	41.690	-0.181	44.866	-0.056	44.880	-0.060	44.898	-0.074	44.917	-0.083
41.722	-0.150	41.751	-0.133	41.783	-0.124	41.801	-0.120	44.937	-0.083	44.957	-0.088	44.969	-0.097	44.992	-0.084
41.841	-0.134	41.868	-0.117	41.899	-0.113	41.928	-0.113	45.010	-0.075	45.028	-0.062	45.044	-0.044	45.058	-0.053
41.937	-0.113	41.950	-0.122	41.961	-0.131	41.967	-0.140	45.075	-0.058	45.091	-0.058	45.113	-0.045	45.130	-0.032
41.972	-0.149	41.980	-0.154	41.987	-0.154	41.999	-0.154	45.154	-0.036	45.166	-0.045	45.187	-0.076	45.201	-0.098
42.009	-0.167	42.015	-0.163	42.032	-0.159	42.040	-0.146	45.213	-0.116	45.235	-0.121	45.259	-0.112	45.279	-0.068
42.058	-0.132	42.070	-0.133	42.078	-0.133	42.090	-0.133	45.236	-0.032	45.307	-0.015	45.327	0.012	45.348	0.007
42.099	-0.149	42.111	-0.164	42.125	-0.166	42.136	-0.218	45.363	-0.011	45.376	-0.037	45.400	-0.051	45.414	-0.051
42.152	-0.244	42.168	-0.271	42.176	-0.234	42.187	-0.320	45.431	-0.051	45.453	-0.024	45.465	-0.020	45.477	-0.011
42.198	-0.316	42.209	-0.312	42.225	-0.307	42.236	-0.299	45.489	0.011	45.499	0.015	45.511	0.015	45.519	0.011
42.247	-0.277	42.263	-0.255	42.278	-0.228	42.294	-0.220	45.531	-0.002	45.548	-0.016	45.562	-0.016	45.578	-0.025
42.311	-0.216	42.325	-0.225	42.346	-0.238	42.359	-0.243	45.593	-0.020	45.602	-0.025	45.619	-0.034	45.625	-0.034
42.369	-0.252	42.381	-0.274	42.400	-0.279	42.410	-0.270	45.635	-0.034	45.645	-0.056				
42.423	-0.248	42.438	-0.240	42.448	-0.227	42.461	-0.218								
42.476	-0.167	42.492	-0.183	42.503	-0.175	42.517	-0.157								
42.529	-0.148	42.540	-0.153	42.549	-0.149	42.558	-0.145								
42.567	-0.149	42.576	-0.149	42.588	-0.141	42.594	-0.141								
42.602	-0.150	42.628	-0.119	42.640	-0.150	42.648	-0.133								
42.659	-0.129	42.667	-0.124	42.673	-0.120	42.684	-0.102								
42.690	-0.098	42.700	-0.085	42.724	-0.085	42.730	-0.090								
42.741	-0.094	42.745	-0.094	42.752	-0.094	42.765	-0.099								
42.770	-0.099	42.778	-0.108	42.786	-0.108	42.799	-0.108								
42.814	-0.117	42.828	-0.140	42.844	-0.144	42.862	-0.145								
42.878	-0.145	42.898	-0.149	42.907	-0.149	42.919	-0.141								
42.933	-0.136	42.948	-0.119	42.962	-0.114	42.972	-0.114								
42.985	-0.092	42.997	-0.093	43.010	-0.079	43.024	-0.079								
43.035	-0.088	43.047	-0.097	43.058	-0.102	43.065	-0.102								
43.076	-0.102	43.095	-0.124	43.115	-0.111	43.128	-0.111								
43.141	-0.058	43.155	-0.076	43.166	-0.067	43.177	-0.059								
43.191	-0.032	43.203	-0.023	43.212	-0.028	43.226	-0.028								
43.234	-0.028	43.251	-0.032	43.277	-0.032	43.286	-0.028								
43.293	-0.032	43.305	-0.037	43.321	-0.037	43.332	-0.037								
43.348	-0.033	43.355	-0.028	43.368	-0.037	43.381	-0.033								
43.399	-0.015	43.411	-0.011	43.422	-0.011	43.433	-0.015								
43.442	-0.019	43.456	-0.028	43.465	-0.037	43.480	-0.028								
43.496	-0.024	43.516	-0.015	43.532	-0.019	43.543	-0.028								
43.562	-0.042	43.580	-0.059	43.604	-0.081	43.617	-0.104								
43.627	-0.112	43.642	-0.130	43.654	-0.139	43.673	-0.148								
43.654	-0.139	43.711	-0.139	43.728	-0.130	43.742	-0.126								
43.760	-0.135	43.777	-0.143	43.793	-0.157	43.802	-0.166								
43.820	-0.192	43.835	-0.201	43.849	-0.192	43.867	-0.183								
43.880	-0.161	43.900	-0.135	43.918	-0.135	43.939	-0.143								
43.961	-0.174	43.980	-0.197	43.990	-0.201	44.004	-0.210								
44.017	-0.201	44.039	-0.210	44.057	-0.201	44.068	-0.201								
44.073	-0.201	44.088	-0.188	44.103	-0.161	44.125	-0.157								
44.140	-0.161	44.154	-0.166	44.174	-0.170	44.188	-0.192								
44.200	-0.205	44.214	-0.223	44.227	-0.236	44.252	-0.227								
44.267	-0.209	44.282	-0.200	44.299	-0.200	44.318	-0.200								



2348 POINTS 45.652 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. SIMULTANEOUSLY MINIMIZES THE RMS ACCELERATION.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.3882 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.021	0.023	0.021	0.042	0.029	0.062	0.024	3.134	-0.123	3.154	-0.056	3.168	0.015	3.185	0.070	3.200	0.010
0.041	0.085	0.105	0.041	0.125	0.024	0.145	0.015	3.212	0.124	3.230	0.154	3.254	0.087	3.274	0.041	3.290	0.085
0.169	-0.002	0.195	0.010	0.217	0.018	0.235	0.010	3.292	-0.005	3.308	-0.013	3.324	0.037	3.340	0.080	3.356	0.085
0.300	0.030	0.272	0.043	0.288	0.026	0.301	0.022	3.368	0.084	3.411	0.085	3.430	0.072	3.450	0.052	3.466	0.052
0.315	0.042	0.333	0.025	0.354	0.013	0.372	0.033	3.468	0.031	3.492	0.052	3.512	0.061	3.529	0.074	3.545	0.074
0.398	0.054	0.417	0.024	0.440	-0.009	0.455	-0.005	3.548	0.070	3.567	0.062	3.584	0.041	3.596	0.033	3.612	0.033
0.468	-0.005	0.488	-0.035	0.497	-0.039	0.516	0.007	3.620	0.059	3.637	0.038	3.658	0.022	3.680	0.018	3.696	0.018
0.533	0.044	0.553	0.052	0.563	0.044	0.581	0.018	3.699	-0.012	3.717	0.009	3.734	0.033	3.750	0.025	3.766	0.025
0.603	0.031	0.622	0.030	0.640	0.034	0.657	0.051	3.773	0.033	3.791	0.058	3.805	0.024	3.816	0.033	3.832	0.033
0.672	0.055	0.691	0.051	0.711	0.004	0.729	0.034	3.833	0.028	3.851	0.031	3.865	-0.007	3.883	-0.033	3.899	-0.033
0.748	-0.005	0.764	0.020	0.782	-0.001	0.806	0.028	3.903	0.013	3.921	0.011	3.942	-0.011	3.957	-0.008	3.973	-0.008
0.825	0.024	0.842	0.032	0.860	0.011	0.878	-0.006	3.969	-0.021	3.987	0.037	4.009	0.041	4.013	0.040	4.029	0.040
0.904	0.002	0.930	-0.014	0.968	0.007	0.999	0.036	4.024	0.056	4.040	0.034	4.059	0.008	4.075	0.062	4.091	0.062
0.929	0.032	1.052	0.027	1.080	0.008	1.095	0.032	4.097	0.115	4.110	0.094	4.123	0.102	4.139	0.089	4.155	0.089
1.107	0.015	1.126	0.036	1.147	0.069	1.167	0.007	4.158	0.060	4.178	0.055	4.198	0.034	4.222	0.067	4.242	0.067
1.183	-0.040	1.202	-0.052	1.227	0.015	1.246	0.053	4.248	0.100	4.272	0.012	4.289	-0.038	4.315	-0.076	4.335	-0.076
1.267	0.036	1.279	0.015	1.305	0.049	1.323	0.066	4.335	-0.127	4.358	-0.105	4.373	-0.104	4.396	-0.041	4.419	-0.041
1.342	0.045	1.368	0.067	1.390	0.059	1.406	0.013	4.419	0.027	4.443	0.057	4.467	0.025	4.481	0.004	4.504	0.004
1.426	-0.024	1.443	-0.062	1.456	-0.099	1.480	-0.002	4.502	0.043	4.527	0.002	4.551	0.032	4.576	0.050	4.599	0.050
1.500	0.023	1.520	0.049	1.542	0.041	1.558	0.037	4.600	0.113	4.620	0.131	4.646	0.073	4.673	0.023	4.698	0.023
1.579	0.054	1.596	0.046	1.613	0.029	1.640	0.063	4.692	0.003	4.711	0.024	4.731	0.016	4.752	-0.021	4.773	-0.021
1.665	0.051	1.687	0.022	1.766	0.010	1.724	0.019	4.776	0.034	4.798	0.084	4.823	0.110	4.853	0.143	4.879	0.143
1.747	0.015	1.764	0.007	1.783	0.032	1.797	0.028	4.876	0.057	4.898	0.042	4.915	-0.013	4.943	0.043	4.969	0.043
1.815	0.079	1.828	0.096	1.849	0.076	1.867	0.059	4.963	0.062	4.983	0.028	5.011	0.010	5.033	0.037	5.059	0.037
1.885	0.030	1.909	-0.028	1.930	-0.027	1.951	-0.022	5.046	0.047	5.064	0.022	5.079	-0.029	5.092	-0.041	5.118	-0.041
1.971	0.024	1.993	0.054	2.024	0.013	2.042	0.034	5.109	-0.017	5.121	0.008	5.140	-0.013	5.163	-0.018	5.189	-0.018
2.063	-0.007	2.076	-0.015	2.095	0.032	2.112	0.052	5.187	0.011	5.209	0.053	5.231	0.048	5.256	0.085	5.282	0.085
2.137	0.033	2.160	0.020	2.178	0.033	2.194	0.025	5.273	0.144	5.299	0.177	5.309	0.122	5.325	0.126	5.351	0.126
2.212	0.034	2.228	0.030	2.249	0.068	2.271	0.165	5.341	0.126	5.359	0.051	5.382	-0.021	5.399	-0.037	5.425	-0.037
2.281	-0.186	2.300	0.123	2.320	0.077	2.348	-0.002	5.420	0.072	5.443	0.143	5.466	0.147	5.484	0.118	5.508	0.118
2.369	-0.069	2.385	-0.099	2.400	-0.099	2.417	-0.065	5.507	0.076	5.533	0.018	5.554	-0.020	5.565	-0.053	5.591	-0.053
2.433	0.001	2.453	0.085	2.468	0.114	2.489	0.076	5.586	-0.007	5.607	0.018	5.628	0.039	5.645	0.081	5.671	0.081
2.511	0.026	2.518	0.026	2.541	0.059	2.567	0.084	5.660	0.073	5.679	0.010	5.696	-0.023	5.715	0.014	5.741	0.014
2.591	0.063	2.613	0.029	2.631	-0.000	2.650	-0.042	5.735	0.027	5.756	0.056	5.777	0.069	5.796	0.061	5.821	0.061
2.677	-0.067	2.698	-0.030	2.723	0.087	2.735	0.116	5.812	0.015	5.835	-0.027	5.855	-0.035	5.881	0.007	5.907	0.007
2.758	0.066	2.781	0.074	2.802	0.044	2.827	0.023	5.899	0.078	5.925	0.233	5.948	0.308	5.972	0.195	6.000	0.195
2.842	0.011	2.863	0.040	2.879	0.032	2.899	0.065	5.993	0.057	6.009	-0.077	6.031	-0.215	6.052	-0.291	6.077	-0.291
2.918	0.078	2.936	0.094	2.953	0.099	2.968	0.078	6.074	-0.194	6.093	0.027	6.115	0.215	6.139	0.324	6.163	0.324
2.982	0.065	3.003	0.086	3.025	0.090	3.042	0.057	6.153	0.379	6.176	0.470	6.195	0.399	6.215	0.131	6.239	0.131
3.059	-0.002	3.078	-0.069	3.098	-0.098	3.116	-0.115	6.234	-0.074	6.254	-0.154	6.271	-0.188	6.296	-0.121	6.321	-0.121



6.314	0.176	6.334	0.426	6.352	0.472	6.378	0.362	9.973	0.192	9.990	-0.025	10.006	-0.171	10.023	-0.188
6.399	0.240	6.420	0.131	6.438	0.030	6.452	0.029	10.041	-0.075	10.063	0.013	10.087	0.222	10.102	0.460
6.468	0.058	6.480	0.120	6.493	0.120	6.511	0.002	10.123	0.707	10.140	0.853	10.159	0.748	10.176	0.471
6.525	-0.137	6.535	-0.195	6.551	-0.351	6.561	-0.481	10.196	0.077	10.213	-0.025	10.232	0.025	10.249	0.217
6.574	-0.703	6.581	-0.762	6.587	-0.745	6.595	-0.778	10.261	0.425	10.276	0.688	10.291	0.847	10.305	0.871
6.605	-0.867	6.616	-0.797	6.628	-0.754	6.640	-0.744	10.323	0.724	10.337	0.414	10.352	-0.055	10.368	-0.386
6.654	-0.044	6.669	0.149	6.684	0.262	6.703	0.320	10.387	-0.608	10.403	-0.650	10.419	-0.642	10.441	-0.499
6.719	0.324	6.736	0.257	6.748	0.128	6.757	0.015	10.458	-0.366	10.472	-0.194	10.494	-0.102	10.517	-0.119
6.770	-0.174	6.779	-0.195	6.796	-0.094	6.807	-0.011	10.538	-0.048	10.553	0.044	10.571	0.203	10.592	0.370
6.823	0.090	6.843	0.140	6.859	0.132	6.877	0.166	10.611	0.425	10.634	0.328	10.649	0.114	10.666	-0.154
6.896	0.134	6.915	0.222	6.930	0.353	6.947	0.508	10.677	-0.313	10.691	-0.581	10.704	-0.798	10.722	-0.982
6.973	0.840	6.985	0.970	6.998	1.075	7.013	0.950	10.725	-0.578	10.728	-0.974	10.732	-0.966	10.751	-0.727
7.023	0.749	7.038	0.336	7.051	-0.064	7.062	-0.128	10.768	-0.384	10.786	-0.012	10.808	0.327	10.825	0.537
7.078	-0.253	7.095	-0.307	7.113	-0.289	7.122	-0.285	10.853	0.708	10.867	0.892	10.887	0.980	10.916	1.110
7.136	-0.192	7.149	-0.079	7.172	0.004	7.188	-0.080	10.890	1.073	10.906	1.114	10.914	1.094	10.988	1.073
7.203	-0.155	7.219	-0.255	7.240	-0.260	7.262	-0.226	10.925	1.156	10.944	1.073	10.972	0.956	10.983	0.826
7.279	-0.247	7.297	-0.293	7.312	-0.260	7.331	-0.226	10.998	0.721	11.005	0.609	11.019	0.479	11.036	0.312
7.350	-0.168	7.366	-0.051	7.383	0.082	7.400	0.203	11.057	0.335	11.074	-0.237	11.100	-0.479	11.122	-0.726
7.430	0.277	7.448	0.151	7.464	-0.009	7.482	-0.047	11.139	-0.977	11.160	-1.190	11.174	-1.349	11.193	-1.366
7.502	0.065	7.521	0.240	7.538	0.340	7.556	0.423	11.206	-1.287	11.221	-1.119	11.236	-0.864	11.256	-0.709
7.572	0.418	7.588	0.284	7.608	0.086	7.630	-0.028	11.271	-0.659	11.282	-0.642	11.305	-0.663	11.322	-0.705
7.647	0.081	7.668	0.407	7.685	0.729	7.699	0.779	11.333	-0.751	11.342	-0.785	11.354	-0.709	11.368	-0.617
7.720	0.665	7.735	0.481	7.747	0.263	7.758	0.020	11.376	-0.496	11.402	-0.391	11.405	-0.320	11.406	-0.320
7.773	-0.156	7.789	-0.198	7.809	-0.249	7.830	-0.187	11.422	-0.395	11.443	-0.567	11.450	-0.713	11.460	-0.814
7.846	-0.087	7.859	-0.087	7.880	-0.189	7.898	-0.394	11.471	-0.902	11.484	-0.960	11.499	-0.931	11.500	-0.918
7.914	-0.583	7.929	-0.638	7.954	-0.493	7.970	-0.263	11.511	-0.776	11.528	-0.550	11.548	-0.211	11.565	-0.019
8.053	0.135	8.070	-0.133	8.085	-0.309	8.100	-0.364	11.585	0.128	11.597	0.220	11.624	0.337	11.644	0.446
8.123	-0.202	8.140	-0.006	8.161	-0.181	8.170	0.189	11.657	0.546	11.671	0.664	11.690	0.747	11.697	0.764
8.185	0.122	8.198	0.033	8.213	-0.109	8.226	-0.223	11.704	0.747	11.716	0.781	11.740	0.714	11.763	0.597
8.313	0.242	8.332	0.153	8.348	-0.035	8.368	-0.244	11.776	0.484	11.792	0.325	11.809	0.136	11.823	-0.006
8.385	-0.332	8.404	-0.248	8.419	-0.034	8.434	0.330	11.840	-0.144	11.857	-0.203	11.874	-0.332	11.902	-0.408
8.457	0.665	8.474	0.837	8.490	0.971	8.508	1.109	11.914	-0.408	11.936	0.337	11.947	-0.358	11.968	-0.425
8.526	1.122	8.541	1.030	8.556	0.749	8.577	0.327	11.980	-0.487	11.991	-0.558	12.002	-0.617	12.010	-0.613
8.598	-0.037	8.610	-0.188	8.630	-0.367	8.648	-0.338	12.036	-0.571	12.046	-0.558	12.070	-0.157	12.093	-0.014
8.668	-0.258	8.677	-0.258	8.692	-0.174	8.706	-0.123	12.110	0.132	12.137	0.241	12.151	0.266	12.157	0.245
8.727	-0.018	8.746	0.179	8.762	0.389	8.778	0.523	12.173	0.195	12.195	0.216	12.224	0.299	12.240	0.412
8.792	0.666	8.806	0.737	8.824	0.804	8.836	0.771	12.257	0.530	12.280	0.571	12.286	0.546	12.305	0.438
8.855	0.654	8.871	0.449	8.886	0.286	8.906	0.127	12.319	0.258	12.338	0.128	12.347	0.053	12.357	0.053
8.921	-0.023	8.938	-0.295	8.954	-0.542	8.972	-0.759	12.367	0.174	12.379	0.325	12.408	0.496	12.420	0.530
8.990	-0.935	9.008	-1.194	9.031	-1.369	9.055	-1.130	12.445	0.521	12.445	0.446	12.468	0.262	12.475	0.233
9.076	-0.674	9.111	-0.293	9.132	-0.238	9.156	-0.196	12.500	0.186	12.501	0.182	12.525	0.195	12.551	0.308
9.180	-0.054	9.205	0.218	9.229	0.678	9.257	0.811	12.562	0.329	12.584	0.337	12.594	0.270	12.605	0.182
9.275	0.844	9.295	0.890	9.316	0.614	9.336	0.241	12.623	0.082	12.647	0.061	12.681	0.157	12.697	0.132
9.353	-0.062	9.377	-0.423	9.400	-0.567	9.412	-0.543	12.718	0.078	12.748	-0.023	12.763	-0.073	12.783	-0.081
9.418	-0.560	9.427	-0.531	9.438	-0.565	9.448	-0.528	12.805	0.785	12.822	0.316	12.858	0.601	12.864	0.722
9.456	-0.399	9.469	-0.471	9.481	-0.434	9.498	-0.268	12.893	0.785	12.899	0.806	12.919	0.827	12.940	0.814
9.501	-0.093	9.525	0.153	9.540	0.437	9.552	0.746	12.949	0.757	12.962	0.751	12.977	0.664	12.998	0.626
9.563	0.554	9.571	0.991	9.587	0.819	9.598	0.609	13.013	0.601	13.025	0.584	13.037	0.517	13.056	0.438
9.610	0.311	9.622	0.030	9.635	-0.180	9.650	-0.410	13.081	0.287	13.092	0.220	13.100	0.086	13.118	-0.132
9.664	-0.324	9.682	-0.654	9.697	-0.588	9.716	-0.425	13.126	-0.240	13.141	-0.429	13.164	-0.705	13.181	-0.818
9.731	-0.220	9.748	-0.053	9.765	-0.092	9.780	-0.214	13.197	-0.952	13.218	-1.019	13.235	-1.010	13.247	-1.002
9.798	-0.365	9.815	-0.595	9.827	-0.755	9.840	-0.796	13.278	-0.757	13.284	-0.621	13.311	-0.203	13.328	-0.077
9.855	-0.792	9.869	-0.637	9.883	-0.427	9.890	-0.058	13.345	-0.027	13.354	-0.111	13.370	-0.203	13.388	-0.291
9.916	0.265	9.925	0.408	9.937	0.471	9.955	0.400	13.410	-0.395	13.435	-0.454	13.449	-0.445	13.478	-0.341
								13.501	-0.136	13.531	0.052	13.560	0.195	13.590	0.312
								13.596	-0.438	13.619	0.552	13.645	0.555	13.658	0.546



13.672	0.500	13.696	0.433	13.697	0.433	13.724	0.304	18.169	0.436	18.195	0.432	18.220	0.365	18.234	0.320
13.742	0.291	13.773	0.371	13.795	0.442	13.796	0.442	18.257	0.198	18.279	0.102	18.298	0.019	18.327	-0.023
13.825	0.400	13.834	0.308	13.852	0.169	13.872	-0.024	18.340	0.019	18.372	0.136	18.395	0.186	18.418	0.191
13.887	-0.166	13.905	-0.304	13.926	-0.414	13.961	-0.427	18.435	0.207	18.465	0.304	18.489	0.362	18.521	0.433
13.971	-0.385	13.989	-0.260	14.028	-0.097	14.047	-0.056	18.557	0.551	18.590	0.756	18.618	0.969	18.640	1.090
14.063	-0.182	14.083	-0.312	14.102	-0.404	14.115	-0.438	18.659	1.124	18.680	1.153	18.714	1.153	18.734	1.061
14.137	-0.350	14.169	-0.242	14.183	0.126	14.191	0.326	18.767	0.927	18.775	0.814	18.802	0.739	18.826	0.731
14.213	0.531	14.241	0.752	14.255	0.823	14.257	0.848	18.854	0.751	18.879	0.768	18.889	0.726	18.908	0.638
14.271	0.810	14.288	0.730	14.309	0.633	14.334	0.582	19.033	0.505	19.058	0.412	19.077	0.341	19.100	0.228
14.355	0.578	14.375	0.616	14.387	0.633	14.391	0.624	19.043	0.048	19.066	-0.058	19.084	-0.178	19.100	-0.182
14.407	0.574	14.432	0.549	14.462	0.561	14.484	0.628	19.123	-0.132	19.153	-0.111	19.154	-0.115	19.168	-0.102
14.506	0.662	14.535	0.628	14.544	0.545	14.563	0.436	19.189	-0.102	19.207	-0.102	19.241	-0.048	19.272	-0.044
14.587	0.294	14.609	0.114	14.626	0.013	14.648	-0.037	19.310	-0.048	19.338	0.002	19.366	0.036	19.387	0.011
14.673	-0.074	14.709	-0.003	14.711	0.001	14.743	0.005	19.414	-0.056	19.429	-0.140	19.457	-0.257	19.490	-0.391
14.763	-0.057	14.783	-0.137	14.820	-0.195	14.841	-0.187	19.500	-0.404	19.534	-0.508	19.537	-0.529	19.567	-0.533
14.856	-0.162	14.878	-0.099	14.901	-0.020	14.924	0.018	19.585	-0.550	19.618	-0.630	19.643	-0.751	19.663	-0.859
14.950	-0.003	14.993	-0.016	15.010	0.013	15.031	0.017	19.687	-0.922	19.710	-0.984	19.730	-1.018	19.753	-0.997
15.054	0.001	15.076	-0.008	15.077	-0.008	15.096	-0.033	19.786	-0.917	19.825	-0.766	19.871	-0.558	19.898	-0.555
15.117	-0.058	15.131	-0.071	15.151	-0.016	15.179	0.046	19.925	-0.534	19.964	-0.433	19.991	-0.286	20.043	-0.088
15.182	0.063	15.198	0.013	15.227	-0.196	15.244	-0.397	20.070	-0.017	20.077	-0.021	20.102	-0.012	20.147	0.059
15.268	-0.627	15.301	-0.811	15.302	-0.828	15.321	-0.882	20.167	0.088	20.172	0.093	20.199	0.038	20.225	0.005
15.334	-0.953	15.355	-1.045	15.365	-1.057	15.380	-1.133	20.267	-0.028	20.301	0.035	20.304	0.085	20.342	0.160
15.399	-1.128	15.407	-1.120	15.433	-1.015	15.446	-0.922	20.351	0.155	20.368	0.096	20.395	0.029	20.418	-0.035
15.464	-0.797	15.488	-0.742	15.506	-0.738	15.511	-0.763	20.433	-0.035	20.451	0.006	20.480	0.173	20.512	0.301
15.527	-0.825	15.544	-0.913	15.559	-0.984	15.572	-1.013	20.530	0.331	20.583	0.394	20.601	0.456	20.638	0.576
15.603	-0.879	15.623	-0.753	15.644	-0.631	15.656	-0.601	20.673	0.720	20.695	0.847	20.710	0.887	20.725	0.907
15.676	-0.609	15.706	-0.579	15.725	-0.503	15.749	-0.354	20.750	0.869	20.783	0.847	20.807	0.809	20.829	0.787
15.781	-0.146	15.807	0.009	15.837	0.132	15.862	0.212	20.856	0.716	20.877	0.658	20.905	0.520	20.933	0.453
15.894	0.334	15.917	0.430	15.939	0.456	15.962	0.406	20.967	0.357	20.989	0.245	21.016	0.152	21.044	0.105
15.982	0.294	16.014	0.156	16.042	-0.019	16.065	-0.148	21.066	-0.063	21.089	0.025	21.122	-0.130	21.168	-0.241
16.089	-0.311	16.101	-0.340	16.113	-0.398	16.131	-0.411	21.175	-0.220	21.207	-0.059	21.230	0.019	21.248	0.014
16.158	-0.311	16.184	-0.177	16.220	0.015	16.232	0.111	21.260	-0.016	21.273	-0.055	21.281	-0.101	21.293	-0.144
16.253	0.165	16.270	0.148	16.292	0.093	16.297	0.056	21.301	-0.191	21.326	-0.191	21.326	-0.200	21.342	-0.185
16.322	0.060	16.348	0.088	16.365	0.222	16.387	0.372	21.354	-0.156	21.366	-0.111	21.377	-0.074	21.389	-0.033
16.405	0.488	16.430	0.705	16.451	0.872	16.478	0.980	21.403	0.068	21.418	0.037	21.431	0.053	21.442	0.064
16.479	0.580	16.494	1.097	16.509	1.168	16.539	1.338	21.456	0.072	21.466	0.059	21.475	0.062	21.486	0.049
16.561	1.442	16.568	1.417	16.588	1.441	16.598	1.487	21.494	0.049	21.503	0.061	21.513	0.060	21.525	0.055
16.610	1.407	16.633	1.361	16.647	1.349	16.659	1.307	21.536	0.050	21.547	0.016	21.554	-0.005	21.563	-0.039
16.669	1.265	16.689	1.219	16.716	1.161	16.730	1.102	21.574	-0.086	21.581	-0.128	21.589	-0.166	21.599	-0.209
16.751	0.585	16.777	0.839	16.798	0.680	16.822	0.558	21.607	-0.247	21.618	-0.277	21.632	-0.294	21.643	-0.307
16.843	0.404	16.863	0.266	16.884	0.049	16.902	-0.084	21.657	-0.320	21.668	-0.341	21.677	-0.362	21.689	-0.392
16.931	-0.264	16.950	-0.351	16.974	-0.392	16.998	-0.388	21.700	-0.421	21.714	-0.489	21.737	-0.581	21.756	-0.661
17.030	-0.324	17.059	-0.277	17.076	-0.243	17.085	-0.264	21.774	-0.724	21.790	-0.775	21.803	-0.775	21.815	-0.726
17.101	-0.264	17.120	-0.297	17.150	-0.292	17.172	-0.196	21.826	-0.784	21.839	-0.776	21.855	-0.760	21.871	-0.726
17.201	-0.112	17.229	-0.004	17.268	0.034	17.277	0.059	21.889	-0.685	21.902	-0.664	21.918	-0.639	21.936	-0.614
17.285	0.096	17.304	-0.008	17.335	0.021	17.370	0.071	21.956	-0.572	21.970	-0.543	21.989	-0.489	22.005	-0.430
17.385	-0.147	17.408	-0.100	17.410	0.088	17.430	0.004	22.020	-0.368	22.033	-0.317	22.048	-0.255	22.063	-0.213
17.451	-0.147	17.471	-0.386	17.481	-0.541	17.494	-0.633	22.077	-0.180	22.094	-0.147	22.109	-0.117	22.131	-0.088
17.507	-0.712	17.524	-0.759	17.545	-0.767	17.563	-0.801	22.148	-0.018	22.166	0.032	22.181	0.070	22.203	0.120
17.565	-0.822	17.582	-0.906	17.601	-1.002	17.622	-1.140	22.219	0.157	22.235	0.182	22.255	0.245	22.269	0.291
17.637	-1.278	17.661	-1.328	17.686	-1.328	17.724	-1.164	22.283	0.336	22.293	0.341	22.305	0.361	22.325	0.374
17.744	-1.064	17.772	-0.992	17.787	-0.942	17.825	-0.875	22.343	0.362	22.361	0.382	22.377	0.386	22.390	0.394
17.836	-0.820	17.860	-0.774	17.880	-0.717	17.913	-0.426	22.397	0.390	22.414	0.377	22.431	0.348	22.444	0.335
17.943	-0.241	17.971	-0.052	18.004	0.199	18.028	0.334	22.459	0.323	22.475	0.302	22.490	0.272	22.504	0.256
18.059	0.376	18.076	0.406	18.094	0.402	18.101	0.427	22.520	0.239	22.538	0.230	22.547	0.205	22.562	0.159
18.116	0.440	18.121	0.444	18.128	0.469	18.144	0.479	22.578	0.113	22.593	0.063	22.607	0.017	22.620	-0.008



22.630	-0.021	22.646	-0.033	22.657	-0.029	22.674	0.004	26.769	0.679	26.791	0.699	26.814	0.703	26.847	0.665
22.691	0.046	22.707	0.096	22.724	0.143	22.741	0.184	26.878	0.664	26.902	0.672	26.933	0.675	26.957	0.657
22.763	0.226	22.782	0.256	22.800	0.281	22.821	0.297	26.975	0.628	27.001	0.597	27.023	0.576	27.063	0.550
22.832	0.310	22.853	0.306	22.865	0.302	22.881	0.272	27.089	0.516	27.109	0.490	27.129	0.460	27.145	0.447
22.897	0.264	22.913	0.260	22.932	0.273	22.950	0.306	27.165	0.430	27.198	0.404	27.222	0.357	27.246	0.307
22.964	0.331	22.981	0.378	22.998	0.424	23.013	0.453	27.265	0.235	27.295	0.192	27.324	0.146	27.357	0.053
23.026	0.470	23.044	0.461	23.058	0.420	23.066	0.395	27.390	-0.039	27.411	-0.127	27.432	-0.202	27.452	-0.244
23.080	0.336	23.087	0.307	23.093	0.278	23.107	0.232	27.574	-0.429	27.500	-0.307	27.522	-0.345	27.553	-0.383
23.125	0.194	23.143	0.161	23.157	0.148	23.171	0.119	27.684	-0.576	27.709	-0.568	27.732	-0.551	27.756	-0.539
23.190	0.085	23.198	0.052	23.212	-0.015	23.227	-0.103	27.775	-0.569	27.801	-0.564	27.823	-0.564	27.858	-0.568
23.241	-0.191	23.256	-0.262	23.272	-0.320	23.288	-0.375	27.885	-0.569	27.904	-0.565	27.930	-0.548	27.963	-0.532
23.303	-0.400	23.319	-0.408	23.332	-0.425	23.347	-0.416	27.982	-0.536	28.016	-0.553	28.043	-0.562	28.067	-0.566
23.364	-0.412	23.379	-0.450	23.394	-0.479	23.414	-0.500	28.095	-0.562	28.111	-0.558	28.143	-0.508	28.172	-0.446
23.433	-0.538	23.452	-0.600	23.479	-0.646	23.494	-0.659	28.201	-0.379	28.230	-0.329	28.252	-0.287	28.284	-0.250
23.511	-0.655	23.530	-0.621	23.550	-0.596	23.569	-0.596	28.310	-0.212	28.332	-0.158	28.351	-0.100	28.378	-0.046
23.588	-0.613	23.608	-0.613	23.629	-0.579	23.649	-0.517	28.408	0.013	28.429	0.071	28.451	0.121	28.473	0.183
23.669	-0.441	23.687	-0.391	23.701	-0.353	23.727	-0.320	28.497	0.237	28.525	0.266	28.541	0.291	28.563	0.308
23.744	-0.328	23.763	-0.316	23.790	-0.286	23.811	-0.236	28.577	0.341	28.599	0.370	28.624	0.407	28.643	0.432
23.830	-0.207	23.848	-0.173	23.865	-0.165	23.886	-0.169	28.661	0.432	28.685	0.406	28.710	0.397	28.734	0.393
23.904	-0.186	23.924	-0.198	23.943	-0.223	23.958	-0.223	28.756	0.409	28.778	0.417	28.809	0.412	28.831	0.412
23.972	-0.211	23.987	-0.202	24.004	-0.189	24.020	-0.156	28.847	0.412	28.860	0.424	28.888	0.436	28.911	0.449
24.037	-0.152	24.055	-0.139	24.075	-0.135	24.088	-0.151	28.945	0.436	28.978	0.444	28.991	0.460	29.019	0.498
24.162	-0.181	24.116	-0.210	24.140	-0.243	24.156	-0.243	29.046	0.535	29.072	0.568	29.087	0.576	29.111	0.568
24.173	-0.235	24.190	-0.210	24.208	-0.163	24.223	-0.113	29.326	0.205	29.350	0.142	29.375	0.103	29.394	0.078
24.236	-0.059	24.252	0.012	24.265	0.054	24.280	0.126	29.416	0.065	29.441	0.047	29.466	-0.008	29.481	-0.071
24.294	0.188	24.317	0.297	24.330	0.364	24.345	0.419	29.502	-0.139	29.519	-0.193	29.537	-0.232	29.558	-0.257
24.356	0.456	24.374	0.486	24.384	0.485	24.400	0.469	29.574	-0.266	29.601	-0.263	29.627	-0.293	29.648	-0.327
24.417	0.443	24.433	0.427	24.443	0.427	24.455	0.439	29.671	-0.399	29.687	-0.466	29.706	-0.542	29.730	-0.547
24.472	0.489	24.485	0.548	24.501	0.619	24.516	0.673	29.824	-0.453	29.849	-0.478	29.874	-0.469	29.891	-0.453
24.536	0.711	24.553	0.702	24.567	0.682	24.586	0.665	29.925	-0.439	29.952	-0.414	29.976	-0.410	30.002	-0.428
24.615	0.707	24.639	0.744	24.652	0.748	24.681	0.719	30.031	-0.403	30.065	-0.387	30.087	-0.388	30.110	-0.414
24.709	0.673	24.727	0.644	24.750	0.635	24.770	0.615	30.132	-0.452	30.154	-0.486	30.169	-0.499	30.183	-0.495
24.794	0.552	24.817	0.481	24.839	0.410	24.862	0.351	30.201	-0.466	30.219	-0.425	30.233	-0.387	30.249	-0.350
24.891	0.314	24.915	0.348	24.935	0.377	24.957	0.390	30.266	-0.321	30.286	-0.318	30.324	-0.306	30.348	-0.260
24.976	0.365	25.001	0.307	25.019	0.249	25.038	0.203	30.372	-0.207	30.387	-0.174	30.405	-0.145	30.439	-0.133
25.057	0.207	25.071	0.228	25.089	0.266	25.105	0.287	30.460	-0.125	30.492	-0.076	30.513	-0.009	30.537	0.053
25.204	0.105	25.227	0.025	25.242	0.025	25.262	-0.041	30.561	0.094	30.578	0.127	30.596	0.165	30.621	0.181
25.282	-0.054	25.300	-0.083	25.315	-0.124	25.334	-0.170	30.649	0.231	30.677	0.305	30.699	0.363	30.722	0.405
25.352	-0.258	25.372	-0.337	25.393	-0.417	25.414	-0.505	30.750	0.433	30.776	0.441	30.803	0.474	30.824	0.503
25.431	-0.542	25.452	-0.576	25.474	-0.609	25.489	-0.630	30.836	0.507	30.860	0.486	30.887	0.443	30.910	0.401
25.502	-0.647	25.519	-0.667	25.534	-0.655	25.548	-0.676	31.039	0.351	31.066	0.330	31.090	0.338	31.118	0.354
25.568	-0.688	25.577	-0.705	25.600	-0.722	25.617	-0.734	31.139	0.353	31.159	0.303	31.191	0.395	31.209	0.386
25.632	-0.726	25.651	-0.726	25.679	-0.734	25.700	-0.747	31.238	0.381	31.259	0.377	31.277	0.377	31.299	0.359
25.721	-0.747	25.741	-0.747	25.767	-0.747	25.796	-0.730	31.319	0.326	31.352	0.245	31.373	0.195	31.388	0.161
25.822	-0.718	25.848	-0.680	25.868	-0.642	25.885	-0.600	31.406	0.123	31.422	0.085	31.444	0.068	31.467	0.059
25.911	-0.550	25.934	-0.525	25.964	-0.508	25.986	-0.500	31.581	-0.140	31.605	-0.162	31.634	-0.204	31.661	-0.238
26.010	-0.487	26.029	-0.466	26.052	-0.454	26.069	-0.420	31.684	-0.268	31.702	-0.302	31.733	-0.362	31.754	-0.417
26.099	-0.275	26.113	-0.400	26.139	-0.366	26.166	-0.316	31.877	-0.442	31.799	-0.476	31.823	-0.498	31.855	-0.507
26.190	-0.275	26.215	-0.249	26.231	-0.237	26.248	-0.191	31.971	-0.507	31.988	-0.495	31.919	-0.491	31.943	-0.475
26.269	-0.104	26.280	-0.074	26.301	-0.020	26.317	0.030								
26.332	0.080	26.353	0.114	26.378	0.193	26.401	0.273								
26.424	0.364	26.445	0.440	26.468	0.427	26.481	0.418								
26.508	0.410	26.528	0.418	26.547	0.422	26.570	0.434								
26.589	0.476	26.613	0.555	26.634	0.651	26.648	0.697								
26.663	0.718	26.678	0.726	26.709	0.709	26.744	0.675								



32.051	-0.368	32.069	-0.402	32.092	-0.458	32.108	-0.483	36.366	-0.431	36.388	-0.397	36.404	-0.376	36.429	-0.367
32.120	-0.471	32.147	-0.418	32.171	-0.371	32.190	-0.369	36.459	-0.363	36.487	-0.334	36.511	-0.309	36.538	-0.237
32.214	-0.374	32.240	-0.392	32.261	-0.426	32.283	-0.444	36.569	-0.179	36.588	-0.153	36.607	-0.137	36.639	-0.128
32.304	-0.436	32.323	-0.424	32.345	-0.409	32.373	-0.398	36.658	-0.103	36.689	-0.057	36.715	-0.036	36.740	-0.011
32.403	-0.358	32.424	-0.325	32.445	-0.325	32.467	-0.321	36.759	-0.006	36.775	-0.003	36.805	-0.019	36.818	-0.019
32.429	-0.317	32.431	-0.313	32.449	-0.281	32.465	-0.252	36.840	0.010	36.878	0.101	36.894	0.139	36.920	0.155
32.486	-0.212	32.501	-0.183	32.514	-0.167	32.538	-0.147	36.944	0.134	36.970	0.105	36.989	0.096	37.006	0.113
32.553	-0.131	32.565	-0.114	32.590	-0.094	32.606	-0.070	37.037	0.163	37.056	0.188	37.071	0.183	37.093	0.175
32.625	-0.029	32.640	0.004	32.658	0.033	32.673	0.062	37.119	0.154	37.141	0.149	37.162	0.170	37.197	0.228
32.655	0.083	32.717	0.095	32.733	0.103	32.748	0.116	37.215	0.253	37.231	0.245	37.267	0.228	37.340	0.332
32.760	0.170	32.777	0.170	32.796	0.203	32.817	0.261	37.276	0.219	37.295	0.244	37.319	0.290	37.340	0.332
32.833	0.290	32.848	0.311	32.863	0.323	32.875	0.336	37.361	0.366	37.370	0.407	37.381	0.407	37.396	0.390
32.884	0.348	32.900	0.386	32.909	0.361	32.927	0.377	37.411	0.336	37.446	0.235	37.470	0.176	37.487	0.142
32.945	0.373	32.954	0.381	32.971	0.394	32.998	0.398	37.496	0.142	37.516	0.150	37.538	0.163	37.559	0.167
33.014	0.414	33.028	0.423	33.042	0.418	33.053	0.427	37.575	0.154	37.604	0.104	37.626	0.083	37.646	0.074
33.068	0.426	33.082	0.414	33.098	0.405	33.117	0.397	37.666	0.087	37.689	0.095	37.710	0.095	37.733	0.074
33.136	0.384	33.153	0.376	33.172	0.367	33.184	0.380	37.774	0.032	37.809	-0.019	37.842	-0.053	37.858	-0.059
33.199	0.392	33.214	0.409	33.232	0.417	33.247	0.413	37.892	-0.149	37.924	-0.196	37.947	-0.238	37.977	-0.259
33.267	0.409	33.284	0.401	33.299	0.384	33.320	0.359	37.995	-0.271	38.023	-0.255	38.055	-0.247	38.085	-0.230
33.344	0.342	33.367	0.321	33.385	0.300	33.399	0.284	38.104	-0.222	38.123	-0.210	38.139	-0.210	38.162	-0.227
33.418	0.259	33.431	0.238	33.445	0.213	33.457	0.184	38.189	-0.265	38.217	-0.295	38.233	-0.312	38.250	-0.316
33.469	0.150	33.485	0.121	33.497	0.108	33.515	0.113	38.271	-0.300	38.281	-0.292	38.310	-0.280	38.324	-0.236
33.537	0.113	33.554	0.113	33.567	0.109	33.582	0.088	38.341	-0.309	38.361	-0.322	38.375	-0.355	38.389	-0.377
33.599	0.054	33.624	-0.004	33.648	-0.050	33.665	-0.079	38.401	-0.385	38.417	-0.360	38.436	-0.327	38.455	-0.277
33.755	-0.162	33.783	-0.199	33.800	-0.224	33.813	-0.133	38.473	-0.235	38.486	-0.210	38.499	-0.193	38.519	-0.181
33.835	-0.236	33.858	-0.244	33.879	-0.244	33.893	-0.260	38.526	-0.194	38.549	-0.210	38.561	-0.219	38.578	-0.215
33.912	-0.285	33.944	-0.314	33.969	-0.330	33.992	-0.350	38.597	-0.140	38.611	-0.174	38.629	-0.136	38.640	-0.113
34.025	-0.366	34.055	-0.391	34.084	-0.411	34.106	-0.411	38.651	-0.140	38.671	-0.174	38.691	-0.203	38.703	-0.216
34.138	-0.435	34.164	-0.456	34.185	-0.476	34.207	-0.455	38.716	-0.228	38.736	-0.203	38.761	-0.145	38.786	-0.082
34.233	-0.417	34.254	-0.400	34.276	-0.396	34.301	-0.404	38.803	-0.041	38.815	-0.024	38.837	-0.029	38.858	-0.033
34.322	-0.416	34.339	-0.429	34.354	-0.429	34.376	-0.420	38.880	-0.025	38.896	-0.004	38.927	0.045	38.954	0.099
34.392	-0.404	34.416	-0.379	34.436	-0.362	34.453	-0.345	38.978	0.153	38.998	0.178	39.016	0.199	39.027	0.194
34.484	-0.337	34.495	-0.328	34.518	-0.295	34.550	-0.236	39.046	0.186	39.066	0.185	39.088	0.189	39.109	0.193
34.570	-0.186	34.597	-0.157	34.622	-0.127	34.647	-0.115	39.130	0.189	39.159	0.180	39.184	0.171	39.200	0.170
34.663	-0.106	34.683	-0.081	34.707	-0.060	34.723	-0.056	39.216	0.187	39.239	0.228	39.263	0.274	39.284	0.303
34.747	-0.019	34.782	0.027	34.806	0.061	34.820	0.078	39.258	0.315	39.309	0.256	39.323	0.289	39.346	0.272
34.836	0.082	34.855	0.115	34.870	0.132	34.894	0.145	39.373	0.272	39.393	0.268	39.406	0.268	39.423	0.280
34.914	0.170	34.931	0.174	34.953	0.186	34.972	0.191	39.447	0.296	39.467	0.305	39.490	0.296	39.505	0.287
34.990	0.195	35.011	0.224	35.031	0.237	35.054	0.253	39.524	0.275	39.566	0.245	39.569	0.211	39.586	0.162
35.078	0.266	35.102	0.274	35.128	0.279	35.150	0.279	39.604	0.169	39.625	0.152	39.654	0.139	39.674	0.130
35.174	0.283	35.199	0.304	35.221	0.329	35.253	0.358	39.692	0.122	39.710	0.109	39.730	0.088	39.751	0.071
35.275	0.392	35.287	0.404	35.300	0.404	35.325	0.383	39.774	0.050	39.791	0.037	39.812	0.033	39.831	0.029
35.339	0.370	35.356	0.374	35.371	0.362	35.395	0.336	39.852	0.024	39.869	0.016	39.887	0.007	39.907	0.014
35.412	0.315	35.436	0.269	35.466	0.210	35.486	0.185	39.925	-0.043	39.947	-0.077	39.968	-0.111	39.990	-0.144
35.503	0.176	35.526	0.185	35.553	0.184	35.571	0.188	40.009	-0.174	40.027	-0.191	40.048	-0.155	40.066	-0.195
35.590	0.184	35.608	0.163	35.629	0.117	35.646	0.058	40.081	-0.187	40.102	-0.183	40.116	-0.179	40.140	-0.175
35.663	-0.018	35.676	-0.060	35.687	-0.068	35.702	-0.052	40.152	-0.188	40.173	-0.217	40.196	-0.234	40.214	-0.247
35.723	-0.006	35.739	0.032	35.752	0.048	35.766	0.023	40.231	-0.256	40.249	-0.248	40.264	-0.235	40.281	-0.231
35.785	-0.048	35.813	-0.170	35.830	-0.241	35.846	-0.271	40.298	-0.236	40.317	-0.240	40.338	-0.253	40.361	-0.265
35.863	-0.246	35.896	-0.154	35.914	-0.116	35.925	-0.104	40.386	-0.287	40.408	-0.295	40.433	-0.316	40.453	-0.329
35.946	-0.125	35.984	-0.196	36.007	-0.225	36.025	-0.242	40.477	-0.333	40.497	-0.325	40.530	-0.313	40.562	-0.305
36.042	-0.209	36.065	-0.146	36.081	-0.129	36.094	-0.146	40.585	-0.301	40.602	-0.297	40.618	-0.284	40.640	-0.251
36.110	-0.188	36.135	-0.297	36.160	-0.356	36.182	-0.397	40.667	-0.217	40.688	-0.196	40.711	-0.180	40.732	-0.171
36.191	-0.397	36.212	-0.368	36.237	-0.326	36.254	-0.305	40.759	-0.163	40.787	-0.155	40.807	-0.142	40.832	-0.117
36.268	-0.369	36.361	-0.330	36.314	-0.355	36.345	-0.418	40.857	-0.092	40.881	-0.071	40.905	-0.030	40.920	-0.005
								40.934	-0.001	40.962	0.004	40.989	0.012	41.021	0.041



41.046	0.078	41.081	0.116	41.105	0.145	41.121	0.153
41.159	0.153	41.177	0.153	41.210	0.165	41.239	0.181
41.263	0.181	41.280	0.172	41.304	0.143	41.329	0.126
41.349	0.113	41.385	0.113	41.394	0.117	41.407	0.121
41.422	0.137	41.435	0.158	41.446	0.171	41.459	0.187
41.471	0.212	41.485	0.250	41.501	0.237	41.518	0.237
41.535	0.224	41.549	0.207	41.571	0.203	41.594	0.154
41.609	0.198	41.628	0.202	41.645	0.202	41.659	0.197
41.676	0.185	41.696	0.138	41.716	0.113	41.731	0.088
41.751	0.050	41.775	0.041	41.803	0.024	41.826	0.028
41.843	0.023	41.868	-0.015	41.892	-0.032	41.917	-0.040
41.939	-0.049	41.962	-0.066	41.985	-0.075	42.006	-0.087
42.017	-0.087	42.027	-0.100	42.043	-0.105	42.061	-0.105
42.073	-0.126	42.088	-0.147	42.106	-0.181	42.131	-0.202
42.148	-0.219	42.165	-0.219	42.184	-0.232	42.200	-0.228
42.217	-0.215	42.243	-0.207	42.260	-0.203	42.271	-0.199
42.295	-0.216	42.309	-0.225	42.321	-0.234	42.337	-0.246
42.355	-0.255	42.377	-0.243	42.398	-0.222	42.422	-0.202
42.437	-0.206	42.452	-0.215	42.462	-0.232	42.478	-0.265
42.497	-0.303	42.514	-0.316	42.530	-0.312	42.554	-0.279
42.573	-0.263	42.583	-0.263	42.606	-0.280	42.624	-0.289
42.640	-0.306	42.650	-0.314	42.669	-0.277	42.688	-0.244
42.704	-0.210	42.716	-0.181	42.734	-0.165	42.754	-0.144
42.775	-0.144	42.798	-0.149	42.820	-0.116	42.835	-0.086
42.849	-0.049	42.872	-0.028	42.886	-0.009	42.913	0.026
42.939	0.026	42.959	0.025	42.971	0.025	42.991	0.038
43.015	0.067	43.036	0.067	43.054	0.067	43.075	0.075
43.097	0.087	43.117	0.087	43.130	0.087	43.149	0.087
43.167	0.083	43.192	0.091	43.217	0.112	43.246	0.149
43.273	0.153	43.296	0.145	43.318	0.124	43.345	0.107
43.373	0.107	43.401	0.115	43.430	0.099	43.460	0.082
43.484	0.099	43.510	0.140	43.537	0.166	43.557	0.170
43.582	0.157	43.604	0.145	43.625	0.149	43.648	0.166
43.669	0.153	43.687	0.140	43.709	0.157	43.732	0.174
43.750	0.178	43.775	0.149	43.786	0.124	43.808	0.086
43.826	0.053	43.844	0.015	43.869	-0.006	43.888	-0.019
43.910	-0.019	43.926	-0.035	43.952	-0.073	43.985	-0.123
44.006	-0.157	44.026	-0.178	44.043	-0.186	44.066	-0.169
44.090	-0.144	44.114	-0.136	44.138	-0.148	44.161	-0.182
44.181	-0.194	44.199	-0.215	44.218	-0.232	44.238	-0.236
44.252	-0.244	44.273	-0.221	44.296	-0.231	44.306	-0.235
44.320	-0.244	44.338	-0.252	44.353	-0.248	44.367	-0.248
44.391	-0.239	44.404	-0.235	44.422	-0.226	44.447	-0.201
44.472	-0.171	44.499	-0.171	44.520	-0.167	44.541	-0.171
44.561	-0.166	44.576	-0.175	44.597	-0.166	44.616	-0.162
44.632	-0.141	44.649	-0.141	44.666	-0.145	44.686	-0.149
44.695	-0.158	44.713	-0.170	44.734	-0.170	44.749	-0.166
44.763	-0.166	44.776	-0.162	44.799	-0.145	44.815	-0.132
44.834	-0.099	44.851	-0.078	44.873	-0.070	44.889	-0.062
44.916	-0.066	44.935	-0.058	44.956	-0.025	44.966	-0.012
44.981	0.009	44.999	0.042	45.025	0.067	45.049	0.062
45.073	0.082	45.100	0.066	45.115	0.074	45.132	0.087
45.152	0.099	45.176	0.112	45.196	0.108	45.212	0.099
45.227	0.112	45.250	0.132	45.275	0.157	45.298	0.166
45.321	0.182	45.341	0.195	45.360	0.195	45.379	0.190
45.399	0.190	45.423	0.203	45.443	0.203	45.457	0.190
45.477	0.190	45.496	0.194	45.515	0.194	45.535	0.181
45.558	0.173	45.576	0.156	45.594	0.135	45.604	0.127
45.620	0.114	45.638	0.118	45.646	0.122	45.652	0.122



3282 POINTS 45.645 SECCNDS

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 0.1895 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.057	0.007	0.001	0.016	-0.025	0.027	0.009	1.555	0.262	1.560	0.150	1.567	0.008	1.584	-0.220	1.598	-0.499
0.045	0.056	0.047	0.069	0.055	0.052	0.065	0.004	1.558	-0.288	1.603	-0.340	1.610	-0.383	1.615	-0.499	1.640	-0.360
0.082	-0.056	0.083	-0.082	0.094	-0.052	0.108	-0.014	1.621	-0.054	1.634	-0.671	1.640	-0.524	1.648	-0.360	1.670	-0.286
0.117	-0.039	0.125	-0.083	0.135	-0.053	0.146	0.053	1.663	0.106	1.683	0.053	1.699	0.222	1.711	0.286	1.730	0.248
0.162	0.020	0.169	-0.023	0.177	-0.075	0.185	-0.096	1.721	0.308	1.733	0.252	1.741	0.175	1.752	0.248	1.770	0.232
0.195	-0.045	0.203	0.054	0.214	0.192	0.226	0.330	1.762	0.330	1.770	0.356	1.777	0.326	1.786	0.248	1.800	0.349
0.234	0.187	0.245	0.131	0.255	0.196	0.261	0.273	1.803	0.195	1.820	0.185	1.820	0.262	1.829	0.349	1.840	-0.064
0.272	0.342	0.284	0.251	0.290	0.144	0.296	0.040	1.844	0.353	1.854	0.173	1.855	0.173	1.862	-0.064	1.870	-0.132
0.304	-0.046	0.311	-0.093	0.320	-0.076	0.331	-0.046	1.874	-0.133	1.883	0.132	1.893	0.080	1.905	-0.132	1.910	-0.083
0.348	-0.102	0.361	-0.116	0.377	-0.060	0.386	0.000	1.918	-0.193	1.942	-0.221	1.956	-0.122	1.964	-0.083	1.970	0.405
0.392	0.073	0.401	0.112	0.413	0.039	0.424	-0.085	1.970	0.034	1.979	0.219	1.988	0.357	1.996	0.405	2.000	-0.141
0.439	-0.134	0.442	-0.155	0.455	-0.039	0.465	0.058	2.007	0.310	2.016	0.203	2.026	-0.038	2.041	-0.141	2.050	-0.217
0.473	0.219	0.480	0.296	0.488	0.344	0.496	0.309	2.047	-0.024	2.066	0.097	2.066	0.097	2.072	-0.217	2.080	-0.098
0.509	0.504	0.523	0.244	0.529	0.240	0.535	0.198	2.079	0.123	2.091	0.020	2.098	-0.002	2.106	0.098	2.110	-0.047
0.544	-0.093	0.559	0.011	0.568	0.011	0.573	-0.045	2.113	0.197	2.125	0.275	2.135	-0.202	2.146	0.047	2.150	-0.099
0.583	-0.114	0.604	-0.153	0.605	-0.166	0.613	-0.071	2.152	-0.095	2.162	-0.095	2.174	-0.030	2.182	0.099	2.190	-0.070
0.619	0.015	0.625	0.114	0.634	0.230	0.645	0.286	2.197	0.155	2.211	-0.113	2.225	0.117	2.242	0.070	2.250	-0.131
0.654	0.187	0.663	0.036	0.672	-0.111	0.678	-0.124	2.249	-0.059	2.256	-0.080	2.271	0.006	2.280	0.131	2.290	-0.002
0.688	-0.055	0.699	0.048	0.714	0.117	0.723	0.074	2.288	0.239	2.295	0.260	2.304	0.153	2.313	0.002	2.320	-0.079
0.733	0.044	0.744	0.151	0.753	0.306	0.763	0.362	2.328	-0.122	2.334	-0.096	2.354	-0.062	2.372	-0.079	2.380	-0.179
0.771	0.280	0.782	0.108	0.779	-0.104	0.808	-0.151	2.384	-0.092	2.403	-0.028	2.416	0.084	2.449	0.179	2.460	-0.071
0.819	-0.164	0.826	-0.186	0.840	-0.182	0.852	-0.208	2.458	0.243	2.469	0.256	2.485	0.170	2.492	0.071	2.500	-0.099
0.866	-0.096	0.867	-0.027	0.877	0.003	0.895	-0.066	2.506	0.036	2.516	0.057	2.522	0.109	2.535	0.199	2.540	-0.099
0.898	-0.109	0.915	-0.001	0.925	0.123	0.935	0.266	2.545	0.277	2.551	0.311	2.558	0.251	2.570	0.190	2.580	-0.038
0.945	0.343	0.959	0.287	0.967	0.214	0.982	0.115	2.585	0.109	2.599	0.065	2.614	0.005	2.626	-0.038	2.640	-0.052
0.991	0.192	1.012	0.257	1.015	0.283	1.030	0.210	2.621	-0.038	2.633	-0.012	2.654	0.035	2.665	0.052	2.680	-0.071
1.034	0.145	1.039	0.055	1.050	-0.109	1.062	-0.178	2.674	-0.008	2.678	-0.064	2.694	-0.108	2.705	-0.022	2.720	-0.099
1.067	-0.109	1.076	-0.027	1.079	0.037	1.086	0.063	2.712	0.064	2.721	0.258	2.733	0.366	2.744	0.391	2.760	-0.099
1.105	-0.032	1.101	-0.169	1.104	0.285	1.115	0.393	2.755	0.309	2.764	0.202	2.776	0.184	2.786	0.202	2.800	-0.099
1.128	-0.367	1.134	-0.268	1.142	-0.148	1.148	-0.006	2.798	0.094	2.807	0.033	2.819	-0.074	2.829	-0.031	2.840	-0.099
1.156	0.050	1.173	0.102	1.185	0.210	1.195	0.356	2.837	0.003	2.850	0.063	2.853	0.050	2.862	-0.019	2.880	-0.099
1.207	0.438	1.220	0.403	1.231	0.498	1.243	0.588	2.867	-0.075	2.875	-0.122	2.886	-0.053	2.903	0.046	2.920	-0.099
1.252	-0.502	1.262	0.313	1.268	0.128	1.276	-0.074	2.925	0.085	2.929	0.020	2.929	-0.066	2.946	-0.212	2.960	-0.099
1.285	-0.272	1.291	-0.427	1.304	-0.509	1.313	-0.418	2.957	-0.251	2.969	-0.174	2.980	-0.174	2.997	-0.099	3.010	-0.099
1.327	-0.250	1.330	-0.138	1.337	-0.087	1.353	-0.168	3.009	0.274	3.021	0.382	3.024	0.399	3.033	0.326	3.050	-0.099
1.359	-0.245	1.367	-0.271	1.374	-0.181	1.385	-0.086	3.042	0.192	3.052	0.158	3.064	0.132	3.076	0.033	3.090	-0.099
1.398	0.060	1.409	-0.008	1.421	0.143	1.428	0.264	3.088	0.042	3.102	0.058	3.112	0.167	3.120	0.175	3.140	-0.099
1.437	0.329	1.449	0.368	1.461	0.282	1.470	0.216	3.131	0.166	3.136	0.037	3.143	0.070	3.162	-0.230	3.180	-0.099
1.479	0.316	1.486	0.411	1.498	0.515	1.510	0.416	3.175	-0.122	3.186	0.003	3.195	0.046	3.210	0.021	3.230	-0.099
1.518	-0.313	1.530	0.292	1.545	0.309	1.550	0.326	3.226	0.102	3.240	0.171	3.255	0.025	3.266	-0.068	3.280	-0.099



3.260	-0.164	3.269	-0.229	3.280	-0.160	3.286	-0.043	5.570	-0.166	5.579	-0.201	5.591	-0.106	5.602	0.122
3.296	0.089	3.301	0.133	3.313	0.073	3.328	0.108	5.617	0.269	5.624	0.303	5.633	0.290	5.649	0.265
3.344	0.194	3.344	0.194	3.355	0.142	3.367	0.018	5.661	0.372	5.677	0.358	5.686	0.403	5.695	0.317
3.379	-0.085	3.385	-0.124	3.394	-0.089	3.402	-0.003	5.658	0.144	5.712	0.114	5.726	0.175	5.729	0.252
3.412	0.117	3.420	0.174	3.427	0.281	3.434	0.320	5.738	0.282	5.797	0.196	5.811	-0.054	5.824	-0.002
3.439	0.221	3.447	0.032	3.458	-0.002	3.471	-0.036	5.790	-0.088	5.797	-0.101	5.811	-0.040	5.824	-0.014
3.480	-0.049	3.484	0.076	3.497	0.270	3.516	0.421	5.844	0.119	5.848	0.154	5.861	0.184	5.874	0.119
3.526	0.485	3.534	0.408	3.538	0.318	3.550	0.240	5.891	-0.042	5.899	-0.056	5.910	-0.195	5.914	0.217
3.563	0.176	3.574	0.129	3.589	-0.017	3.607	-0.077	5.923	0.118	5.946	0.106	5.955	0.304	5.960	0.420
3.622	-0.039	3.639	0.091	3.645	0.010	3.658	0.066	5.967	0.446	5.978	0.408	6.011	0.334	6.011	0.266
3.661	-0.214	3.672	-0.214	3.681	-0.089	3.687	0.066	6.012	0.266	6.020	0.408	6.033	0.231	6.045	0.076
3.692	0.118	3.703	0.079	3.716	0.018	3.733	0.104	6.059	-0.164	6.071	-0.212	6.078	-0.156	6.092	-0.105
3.744	0.177	3.747	0.199	3.754	0.130	3.764	-0.008	6.055	-0.126	6.109	-0.053	6.120	0.063	6.131	0.296
3.772	-0.146	3.780	-0.112	3.788	0.073	3.799	0.236	6.173	-0.251	6.184	-0.424	6.195	-0.346	6.200	-0.282
3.810	0.292	3.817	0.189	3.824	-0.009	3.833	-0.121	6.138	0.395	6.146	0.420	6.156	-0.346	6.164	0.119
3.846	0.003	3.855	0.145	3.861	0.200	3.872	0.256	6.214	-0.248	6.221	-0.358	6.230	-0.519	6.246	-0.248
3.885	0.126	3.888	0.083	3.900	0.026	3.909	0.030	6.258	0.208	6.268	0.587	6.278	0.733	6.292	0.466
3.923	0.116	3.926	0.219	3.933	0.214	3.951	0.028	6.304	0.233	6.320	0.173	6.332	0.427	6.342	0.418
3.955	-0.058	3.965	-0.119	3.976	0.061	3.980	0.126	6.355	0.301	6.369	0.236	6.384	0.038	6.391	-0.036
3.993	0.241	4.007	0.352	4.015	0.421	4.027	0.274	6.402	-0.135	6.418	-0.424	6.429	-0.644	6.442	-0.636
4.035	0.118	4.049	-0.016	4.058	-0.111	4.063	-0.257	6.457	-0.884	6.474	-0.820	6.480	-0.439	6.503	-0.053
4.076	-0.301	4.077	-0.193	4.089	-0.048	4.102	0.141	6.505	0.158	6.522	0.287	6.531	0.321	6.532	0.321
4.119	0.188	4.126	0.084	4.137	-0.058	4.146	-0.101	6.544	0.519	6.552	0.561	6.559	0.656	6.562	0.755
4.146	-0.140	4.161	-0.244	4.178	-0.214	4.182	-0.089	6.573	0.776	6.584	0.754	6.591	0.840	6.597	0.887
4.190	0.036	4.204	0.165	4.215	0.087	4.233	0.053	6.607	0.770	6.611	0.650	6.622	0.447	6.632	0.318
4.248	0.121	4.265	0.104	4.281	0.017	4.289	0.013	6.648	-0.048	6.658	-0.048	6.669	-0.367	6.699	-0.324
4.306	0.207	4.315	0.361	4.326	0.378	4.336	0.279	6.677	-0.221	6.685	-0.001	6.686	-0.001	6.695	-0.119
4.348	0.055	4.361	-0.069	4.367	-0.121	4.382	-0.097	6.704	-0.037	6.711	-0.045	6.720	-0.053	6.742	-0.053
4.392	-0.318	4.402	-0.274	4.407	-0.179	4.417	-0.097	6.745	-0.144	6.754	-0.225	6.766	-0.213	6.782	-0.152
4.431	0.041	4.441	0.145	4.450	0.210	4.471	0.159	6.792	-0.053	6.807	-0.122	6.815	-0.023	6.828	-0.114
4.482	0.121	4.501	0.238	4.506	0.298	4.516	0.290	6.831	-0.218	6.846	0.248	6.851	0.248	6.861	0.201
4.525	0.200	4.526	0.200	4.533	-0.080	4.548	-0.238	6.876	0.128	6.890	0.176	6.898	0.163	6.905	0.134
4.568	-0.182	4.569	-0.182	4.582	0.030	4.595	0.043	6.907	0.151	6.914	0.164	6.919	0.044	6.926	-0.124
4.603	-0.017	4.615	0.147	4.623	0.234	4.626	0.285	6.934	-0.218	6.949	-0.028	6.957	0.067	6.966	-0.093
4.643	0.148	4.652	0.015	4.660	-0.006	4.676	0.158	6.970	-0.020	6.980	-0.165	6.988	-0.341	6.995	-0.362
4.687	0.209	4.695	0.141	4.713	0.034	4.724	0.017	7.006	-0.254	7.014	-0.056	7.025	0.259	7.038	0.371
4.730	0.262	4.731	0.318	4.738	0.417	4.747	0.275	7.055	0.273	7.065	0.196	7.066	0.170	7.081	0.132
4.756	0.142	4.769	0.039	4.775	0.031	4.788	0.169	7.097	0.231	7.104	0.283	7.118	0.309	7.122	0.219
4.798	0.401	4.801	0.479	4.817	0.307	4.819	0.169	7.132	0.129	7.137	0.117	7.152	0.130	7.161	-0.012
4.827	-0.003	4.837	-0.089	4.851	-0.071	4.871	-0.011	7.163	-0.064	7.170	-0.133	7.192	-0.107	7.200	-0.253
4.881	0.032	4.885	0.044	4.897	0.337	4.906	0.487	7.206	-0.404	7.216	-0.533	7.225	-0.400	7.245	0.031
4.919	0.349	4.934	-0.026	4.947	-0.142	4.962	-0.237	7.260	-0.258	7.266	0.409	7.274	0.427	7.277	0.375
4.975	-0.151	4.977	-0.065	4.985	0.064	5.000	0.137	7.286	0.233	7.301	0.069	7.310	-0.025	7.323	-0.012
5.019	0.016	5.027	-0.062	5.035	-0.110	5.046	-0.101	7.333	0.143	7.349	0.280	7.357	0.362	7.367	0.512
5.073	-0.093	5.084	-0.029	5.093	-0.007	5.102	0.031	7.386	0.585	7.399	0.416	7.405	0.235	7.417	-0.155
5.113	0.190	5.128	0.405	5.135	0.517	5.135	0.517	7.420	-0.252	7.432	-0.368	7.449	-0.459	7.472	-0.387
5.141	0.405	5.146	0.258	5.158	0.172	5.168	0.008	7.483	-0.252	7.495	0.098	7.502	0.300	7.520	0.300
5.172	-0.151	5.192	-0.319	5.206	-0.315	5.216	-0.105	7.532	0.394	7.552	0.264	7.562	0.190	7.576	0.160
5.228	-0.076	5.243	0.132	5.243	0.066	5.246	-0.200	7.599	0.322	7.605	0.490	7.611	0.653	7.619	0.652
5.262	-0.312	5.263	-0.312	5.282	-0.119	5.288	0.122	7.626	0.606	7.631	0.562	7.644	0.217	7.664	0.217
5.299	0.359	5.309	0.445	5.319	0.660	5.332	0.797	7.674	-0.451	7.725	-0.826	7.739	-0.003	7.752	-0.214
5.346	0.608	5.359	0.345	5.377	0.134	5.390	0.134	7.766	-0.982	7.773	-1.021	7.785	-0.883	7.799	-0.354
5.405	-0.055	5.419	-0.063	5.420	0.018	5.435	0.272	7.808	0.020	7.817	0.128	7.829	0.196	7.838	0.131
5.447	0.380	5.459	0.238	5.466	-0.025	5.475	-0.526	7.847	0.057	7.857	0.260	7.871	0.457	7.887	0.582
5.481	-0.416	5.495	-0.580	5.503	-0.640	5.507	-0.661	7.899	0.474	7.913	0.370	7.919	0.240	7.929	0.210
5.519	-0.519	5.532	-0.270	5.546	-0.149	5.551	-0.076								



7.940	0.252	7.947	0.295	7.958	0.286	7.970	0.350	10.300	0.097	10.316	-0.007	10.328	-0.077	10.336	-0.043
7.979	0.208	7.993	-0.180	8.006	-0.383	8.020	-0.594	10.343	-0.043	10.359	-0.254	10.364	-0.315	10.378	-0.353
8.031	-0.431	8.050	-0.359	8.067	-0.248	8.080	-0.041	10.380	-0.289	10.392	-0.272	10.410	0.025	10.411	0.314
8.093	0.311	8.112	0.724	8.114	0.754	8.123	0.680	10.425	0.542	10.430	0.545	10.446	0.485	10.460	0.559
8.134	0.591	8.143	0.451	8.150	0.382	8.162	0.321	10.472	0.576	10.488	0.511	10.497	0.485	10.505	0.438
8.178	0.260	8.188	0.165	8.198	0.082	8.209	0.032	10.515	0.438	10.527	0.309	10.536	0.205	10.550	0.201
8.219	-0.146	8.231	-0.241	8.241	-0.414	8.242	-0.423	10.575	0.149	10.579	0.136	10.590	0.097	10.610	-0.015
8.255	-0.354	8.262	-0.234	8.269	-0.036	8.278	-0.011	10.612	-0.049	10.629	0.011	10.651	-0.024	10.671	-0.024
8.281	0.049	8.292	-0.098	8.300	-0.257	8.314	-0.245	10.677	0.144	10.684	0.295	10.703	0.462	10.714	0.475
8.316	0.167	8.326	0.090	8.338	0.322	8.351	0.490	10.725	0.419	10.735	0.516	10.746	0.109	10.754	0.063
8.361	0.628	8.370	0.808	8.377	0.968	8.386	1.071	10.767	-0.257	10.780	-0.463	10.800	-0.382	10.808	-0.265
8.397	0.921	8.406	0.589	8.418	0.249	8.427	0.107	10.814	-0.222	10.816	-0.231	10.819	-0.244	10.821	-0.252
8.442	-0.203	8.460	-0.461	8.462	-0.607	8.473	-0.657	10.824	-0.265	10.830	-0.205	10.844	0.032	10.851	0.088
8.481	-0.658	8.499	-0.680	8.503	-0.714	8.516	-0.744	10.861	0.010	10.865	-0.011	10.880	0.019	10.889	-0.016
8.531	-0.757	8.536	-0.667	8.538	-0.606	8.551	-0.671	10.900	-0.063	10.917	0.053	10.927	0.255	10.934	0.432
8.560	-0.537	8.575	-0.421	8.590	-0.404	8.591	-0.262	10.939	0.480	10.950	0.381	10.956	0.389	10.962	0.342
8.614	0.595	8.614	0.595	8.626	0.841	8.641	0.759	10.976	0.619	10.981	0.127	10.986	-0.209	10.990	-0.248
8.663	0.182	8.654	0.604	8.668	0.381	8.676	0.360	11.004	-0.583	11.012	-0.544	11.018	-0.488	11.028	-0.468
8.648	0.716	8.654	0.604	8.702	0.438	8.710	0.373	11.035	-0.506	11.041	-0.463	11.057	-0.221	11.066	-0.183
8.716	0.270	8.726	0.369	8.734	0.206	8.740	0.077	11.075	-0.092	11.079	-0.088	11.085	-0.109	11.089	-0.165
8.752	0.004	8.764	0.043	8.776	-0.009	8.788	0.065	11.097	-0.182	11.106	-0.312	11.110	-0.333	11.124	-0.268
8.801	-0.025	8.816	-0.137	8.832	-0.188	8.836	-0.283	11.131	-0.307	11.152	-0.230	11.166	-0.204	11.180	-0.135
8.847	0.019	8.853	0.355	8.863	0.536	8.868	0.652	11.156	-0.191	11.205	-0.178	11.222	-0.341	11.228	-0.410
8.880	0.453	8.895	0.390	8.896	0.222	8.904	-0.058	11.233	-0.415	11.286	-0.393	11.259	-0.109	11.265	-0.014
8.916	-0.243	8.930	-0.243	8.930	-0.032	8.936	-0.153	11.278	0.244	11.336	-0.186	11.359	-0.488	11.362	-0.496
8.963	0.149	8.963	0.149	8.963	-0.018	8.971	-0.195	11.325	-0.122	11.383	-0.303	11.394	-0.109	11.402	0.111
8.999	-0.315	9.006	-0.255	9.006	-0.255	9.011	-0.276	11.372	-0.428	11.424	-0.313	11.439	0.201	11.465	0.313
9.022	-0.379	9.040	-0.370	9.054	-0.461	9.070	-0.400	11.411	0.175	11.465	-0.143	11.480	0.042	11.484	-0.377
9.085	-0.155	9.090	-0.189	9.090	-0.189	9.096	-0.189	11.483	0.214	11.502	0.055	11.509	0.033	11.529	-0.109
9.091	-0.400	9.128	-0.016	9.128	-0.016	9.144	-0.242	11.543	-0.212	11.557	-0.113	11.565	-0.066	11.612	-0.052
9.154	-0.255	9.170	-0.527	9.171	0.527	9.193	0.720	11.580	-0.169	11.588	-0.083	11.600	-0.066	11.671	0.171
9.202	0.883	9.216	0.875	9.222	0.715	9.230	0.685	11.627	-0.036	11.645	-0.666	11.660	0.029	11.671	0.171
9.245	0.590	9.256	0.474	9.256	0.474	9.258	-0.065	11.680	0.235	11.690	0.132	11.701	0.080	11.705	0.085
9.264	-0.349	9.276	-0.685	9.284	-0.706	9.294	-0.659	11.722	0.184	11.731	0.231	11.740	0.317	11.746	0.339
9.305	-0.552	9.318	-0.483	9.332	-0.569	9.339	-0.608	11.754	0.291	11.763	0.175	11.770	0.115	11.780	0.184
9.355	-0.333	9.368	-0.007	9.374	0.294	9.403	0.585	11.786	0.222	11.793	0.291	11.807	0.330	11.814	-0.377
9.409	0.761	9.426	0.859	9.439	0.871	9.440	0.870	11.823	0.326	11.834	0.192	11.840	0.042	11.854	-0.118
9.449	0.530	9.462	0.271	9.473	0.283	9.481	0.287	11.864	-0.186	11.875	-0.143	11.891	-0.032	11.900	-0.062
9.492	0.144	9.505	0.143	9.518	0.086	9.540	0.087	11.909	-0.006	11.924	-0.079	11.936	-0.014	11.945	0.218
9.551	0.153	9.558	0.071	9.577	-0.017	9.592	0.081	11.953	0.390	11.957	0.399	11.966	0.347	11.977	0.386
9.597	0.193	9.606	0.459	9.609	0.463	9.621	0.355	11.992	0.270	12.001	0.235	12.010	0.248	12.019	0.184
9.638	0.040	9.644	-0.059	9.653	-0.034	9.661	0.078	12.030	0.115	12.046	0.240	12.052	0.278	12.068	0.197
9.669	0.177	9.678	0.103	9.693	-0.087	9.702	-0.081	12.079	0.106	12.085	0.063	12.097	-0.087	12.107	-0.204
9.708	-0.023	9.725	-0.029	9.734	0.045	9.749	0.170	12.119	-0.161	12.129	-0.174	12.139	-0.169	12.170	-0.333
9.762	0.316	9.767	0.384	9.770	0.357	9.780	0.509	12.186	-0.324	12.204	-0.221	12.216	-0.324	12.224	-0.406
9.804	0.452	9.806	0.375	9.814	0.357	9.833	0.201	12.235	-0.492	12.242	-0.587	12.253	-0.651	12.266	-0.759
9.848	-0.648	9.864	-0.461	9.881	-0.805	9.887	-1.057	12.277	-0.720	12.286	-0.621	12.300	-0.440	12.308	-0.324
9.906	-1.247	9.912	-0.997	9.927	-0.519	9.935	-0.255	12.316	-0.152	12.331	0.102	12.344	0.356	12.355	0.571
9.942	0.174	9.959	0.670	9.970	0.946	9.978	1.050	12.366	0.644	12.375	0.580	12.387	0.291	12.396	0.042
9.995	0.542	10.001	0.691	10.007	-0.107	10.019	-0.348	12.401	-0.122	12.405	-0.273	12.412	-0.273	12.427	-0.208
10.025	-0.404	10.037	-0.610	10.045	-0.739	10.080	-0.374	12.445	-0.281	12.454	-0.355	12.469	-0.346	12.492	-0.131
10.089	-0.137	10.100	0.138	10.103	0.439	10.118	0.508	12.496	-0.070	12.505	0.154	12.517	0.300	12.522	0.291
10.124	0.456	10.129	0.271	10.138	0.198	10.152	0.249	12.536	0.197	12.549	0.227	12.557	0.167	12.565	0.024
10.160	0.355	10.171	0.425	10.184	0.503	10.201	0.394	12.573	-0.023	12.587	0.201	12.594	0.283	12.614	0.429
10.212	0.165	10.222	0.001	10.231	-0.210	10.250	-0.306	12.627	0.330	12.639	0.235	12.646	0.210	12.655	0.261
10.261	-0.259	10.278	-0.204	10.281	-0.032	10.296	0.088	12.670	0.403	12.679	0.451	12.687	0.459	12.695	0.425



12.709	0.313	12.724	0.132	12.736	0.016	12.752	-0.053	15.421	0.588	15.433	0.571	15.440	0.588	15.446	0.399
12.761	-0.075	12.769	-0.032	12.777	0.020	12.787	-0.014	15.466	0.378	15.477	0.236	15.482	0.197	15.488	0.098
12.755	-0.079	12.802	-0.169	12.812	-0.217	12.825	-0.014	15.512	0.338	15.524	0.064	15.548	-0.095	15.561	-0.082
12.838	-0.075	12.844	-0.014	12.853	0.072	12.861	0.059	15.569	-0.150	15.585	-0.344	15.591	-0.378	15.612	-0.344
12.874	0.012	12.883	0.007	12.893	0.042	12.910	0.270	15.626	-0.274	15.640	-0.167	15.660	-0.106	15.675	-0.054
12.921	0.425	12.930	0.498	12.935	0.494	12.950	0.412	15.692	-0.105	15.700	-0.118	15.729	-0.216	15.737	-0.280
12.963	0.313	12.974	0.184	12.984	0.046	12.993	0.012	15.755	-0.340	15.770	-0.314	15.784	-0.387	15.791	-0.378
13.007	0.072	13.025	0.136	13.045	0.222	13.057	0.227	15.800	-0.421	15.826	-0.403	15.840	-0.372	15.852	-0.290
13.071	0.162	13.082	0.063	13.091	0.029	13.099	-0.023	15.872	-0.195	15.891	-0.104	15.903	-0.078	15.916	-0.082
13.114	0.042	13.118	0.055	13.126	0.029	13.136	0.106	15.935	-0.004	15.943	0.017	15.951	0.000	15.969	-0.055
13.147	0.141	13.156	0.128	13.166	0.089	13.177	0.046	15.979	-0.072	15.990	0.038	16.003	0.079	16.010	0.113
13.187	-0.057	13.194	-0.070	13.210	-0.006	13.221	-0.040	16.040	0.235	16.053	0.205	16.065	0.244	16.071	0.257
13.230	-0.036	13.254	0.089	13.262	0.162	13.278	0.347	16.116	0.387	16.127	0.396	16.140	0.378	16.159	0.464
13.291	0.313	13.298	0.304	13.311	0.240	13.321	0.184	16.172	0.512	16.197	0.458	16.226	0.455	16.237	0.476
13.327	0.184	13.333	0.192	13.343	0.162	13.369	0.244	16.249	0.433	16.256	0.442	16.271	0.342	16.281	0.187
13.380	0.175	13.397	0.020	13.407	-0.006	13.427	-0.132	16.299	0.045	16.323	0.049	16.345	0.148	16.355	-0.003
13.459	-0.273	13.463	-0.333	13.481	-0.428	13.487	-0.440	16.370	0.048	16.382	0.030	16.399	0.082	16.420	-0.005
13.499	-0.410	13.508	-0.402	13.535	-0.100	13.548	-0.001	16.438	-0.032	16.456	0.076	16.465	0.179	16.473	0.329
13.557	0.068	13.566	0.106	13.575	0.089	13.586	0.037	16.518	0.095	16.530	0.022	16.552	-0.224	16.562	-0.281
13.595	-0.040	13.606	-0.044	13.625	0.020	13.648	0.020	16.584	-0.398	16.593	-0.415	16.610	-0.304	16.626	-0.295
13.657	-0.023	13.671	-0.066	13.682	0.007	13.688	0.063	16.646	-0.205	16.662	-0.171	16.681	-0.244	16.707	-0.214
13.696	0.080	13.704	0.003	13.715	0.016	13.722	0.055	16.722	-0.244	16.742	-0.183	16.756	-0.170	16.771	-0.063
13.732	-0.114	13.737	-0.087	13.748	-0.152	13.761	-0.161	16.789	0.015	16.803	0.028	16.822	0.028	16.838	0.024
13.774	-0.096	13.790	0.089	13.797	0.106	13.819	0.123	16.854	-0.037	16.870	-0.012	16.884	-0.056	16.893	0.025
13.827	0.106	13.840	0.007	13.845	0.020	13.859	0.132	16.918	0.073	16.924	-0.103	16.937	-0.052	16.949	0.009
13.872	0.287	13.880	0.398	13.887	0.424	13.901	0.368	16.968	0.057	16.986	-0.007	17.000	-0.011	17.015	-0.062
13.920	0.173	13.932	0.522	13.941	0.561	13.959	0.368	17.025	-0.010	17.031	0.141	17.070	0.236	17.088	0.220
14.015	0.043	14.030	0.189	14.044	0.120	14.053	0.146	17.108	0.289	17.129	0.264	17.142	0.281	17.163	0.203
14.062	0.115	14.074	0.145	14.084	0.145	14.096	0.214	17.183	0.074	17.211	0.031	17.216	0.601	17.230	-0.072
14.116	0.420	14.128	0.536	14.143	0.566	14.152	0.544	17.239	-0.068	17.245	-0.081	17.257	-0.063	17.262	-0.046
14.159	0.553	14.175	0.410	14.197	0.298	14.216	0.138	17.272	0.044	17.282	0.160	17.291	0.212	17.310	0.152
14.234	-0.095	14.256	-0.272	14.277	-0.264	14.285	-0.230	17.322	0.053	17.331	-0.055	17.342	-0.076	17.383	-0.012
14.292	-0.174	14.314	-0.084	14.328	-0.093	14.333	-0.065	17.397	0.039	17.413	0.160	17.425	0.276	17.455	0.336
14.343	-0.115	14.361	-0.029	14.375	0.156	14.387	0.268	17.468	0.258	17.480	0.271	17.483	0.228	17.495	0.103
14.391	0.367	14.398	0.380	14.408	0.328	14.417	0.148	17.513	-0.013	17.529	-0.001	17.543	0.030	17.562	-0.005
14.429	0.023	14.438	-0.119	14.450	-0.205	14.461	-0.210	17.570	-0.091	17.579	0.064	17.586	0.694	17.603	-0.079
14.471	-0.102	14.487	0.049	14.503	-0.038	14.515	-0.038	17.610	-0.096	17.619	-0.040	17.629	-0.118	17.639	-0.148
14.531	-0.106	14.546	-0.124	14.560	-0.287	14.572	-0.567	17.658	-0.079	17.666	0.042	17.703	0.029	17.719	0.068
14.578	-0.118	14.589	-0.799	14.602	-0.739	14.619	-0.532	17.734	0.025	17.743	0.038	17.756	-0.052	17.770	-0.159
14.635	-0.343	14.646	-0.119	14.654	-0.085	14.664	-0.119	17.775	-0.146	17.796	-0.034	17.811	-0.099	17.822	0.138
14.614	-0.106	14.685	-0.132	14.700	-0.145	14.714	-0.222	17.836	0.061	17.848	0.026	17.858	-0.034	17.869	0.005
14.721	-0.274	14.733	-0.287	14.744	-0.265	14.760	-0.300	17.907	0.031	17.900	-0.007	17.917	0.049	17.942	0.222
14.773	-0.252	14.783	-0.183	14.797	-0.192	14.815	-0.119	17.950	0.248	17.969	0.192	17.980	0.192	18.004	0.128
14.828	-0.020	14.840	0.101	14.856	0.088	14.871	0.110	18.016	0.163	18.023	0.150	18.032	0.167	18.044	0.124
14.882	0.041	14.893	-0.037	14.900	-0.046	14.916	0.053	18.058	0.142	18.078	0.026	18.089	0.000	18.096	-0.012
14.934	0.135	14.946	0.114	14.954	0.062	14.966	-0.037	18.122	-0.102	18.131	-0.058	18.148	-0.154	18.160	-0.192
15.022	0.083	15.028	0.053	15.041	-0.055	15.062	-0.119	18.168	-0.184	18.182	-0.214	18.195	-0.214	18.209	-0.170
15.071	-0.128	15.080	-0.068	15.090	0.087	15.097	0.203	18.222	-0.153	18.238	-0.080	18.247	-0.032	18.257	0.080
15.105	0.363	15.119	0.457	15.135	0.397	15.149	0.328	18.266	0.136	18.276	0.131	18.285	0.175	18.294	0.291
15.163	0.225	15.189	0.147	15.204	0.135	15.214	0.100	18.300	0.269	18.319	0.132	18.331	0.059	18.355	0.659
15.227	0.122	15.237	0.122	15.254	0.165	15.271	0.135	18.373	-0.019	18.382	-0.023	18.403	-0.080	18.413	0.089
15.276	0.191	15.286	0.238	15.294	0.217	15.303	0.255	18.421	0.059	18.439	-0.023	18.454	-0.092	18.473	0.012
15.320	0.299	15.331	0.342	15.341	0.402	15.347	0.399	18.486	0.029	18.495	0.042	18.518	-0.014	18.531	0.603
15.362	0.338	15.366	0.351	15.379	0.433	15.410	0.566	18.548	-0.044	18.569	-0.010	18.578	-0.057	18.592	0.046



18.613	0.085	18.627	0.115	18.638	0.080	18.662	-0.014	21.891	0.020	21.900	-0.015	21.910	-0.079	21.923	-0.144
18.675	-0.070	18.699	-0.070	18.711	-0.040	18.734	0.056	21.936	-0.144	21.956	-0.119	21.963	-0.106	21.973	-0.089
18.747	-0.023	18.760	-0.023	18.772	0.033	18.781	0.029	21.985	-0.102	21.993	-0.115	22.004	-0.097	22.021	-0.102
18.799	0.175	18.812	0.235	18.823	0.248	18.830	0.218	22.031	-0.111	22.042	-0.042	22.053	-0.007	22.068	-0.046
18.845	0.132	18.859	0.085	18.873	0.080	18.885	0.119	22.077	-0.081	22.088	-0.094	22.097	-0.077	22.109	-0.021
18.898	0.179	18.906	0.179	18.915	0.154	18.924	0.039	22.119	-0.034	22.126	-0.043	22.136	-0.047	22.152	-0.060
18.933	0.024	18.940	0.020	18.948	0.037	18.962	0.020	22.165	-0.052	22.179	-0.065	22.193	-0.044	22.205	-0.001
18.972	0.055	18.989	0.123	18.996	0.132	19.001	0.119	22.217	-0.021	22.226	0.033	22.235	0.012	22.252	-0.010
19.020	0.016	19.041	-0.027	19.055	0.003	19.067	0.024	22.261	-0.040	22.280	0.011	22.288	0.041	22.305	0.101
19.085	0.037	19.106	-0.014	19.114	-0.006	19.123	0.029	22.315	0.062	22.325	0.023	22.338	-0.011	22.350	0.006
19.145	0.244	19.155	0.278	19.165	0.291	19.184	0.248	22.363	0.027	22.378	0.014	22.400	0.001	22.409	0.019
19.203	0.257	19.233	0.098	19.249	0.055	19.264	-0.027	22.419	0.019	22.434	-0.025	22.446	-0.046	22.471	-0.020
19.277	-0.070	19.291	-0.113	19.324	-0.023	19.346	0.059	22.487	-0.025	22.500	-0.046	22.516	-0.094	22.529	-0.058
19.358	0.068	19.372	-0.023	19.397	-0.096	19.404	-0.100	22.551	-0.034	22.562	-0.090	22.575	-0.047	22.583	-0.034
19.427	0.020	19.439	0.072	19.449	0.132	19.458	0.115	22.592	-0.038	22.606	-0.064	22.620	-0.072	22.626	-0.072
19.471	0.055	19.487	-0.118	19.495	-0.204	19.505	-0.212	22.639	-0.012	22.651	0.031	22.663	0.035	22.671	0.052
19.522	-0.143	19.536	-0.126	19.566	-0.049	19.575	-0.040	22.682	0.031	22.693	0.018	22.705	-0.047	22.719	-0.081
19.583	-0.075	19.591	-0.118	19.610	-0.152	19.626	-0.105	22.730	-0.111	22.747	-0.072	22.761	-0.042	22.772	-0.051
19.638	-0.070	19.659	0.064	19.671	0.089	19.690	0.176	22.783	-0.098	22.793	-0.150	22.805	-0.154	22.824	-0.202
19.696	0.184	19.715	0.167	19.743	0.168	19.769	0.146	22.841	-0.184	22.857	-0.201	22.872	-0.141	22.881	-0.115
19.778	0.129	19.804	-0.004	19.812	-0.043	19.820	-0.025	22.893	-0.111	22.908	-0.063	22.929	-0.016	22.945	-0.025
19.835	-0.081	19.848	-0.098	19.856	-0.068	19.875	0.005	22.958	-0.037	22.975	-0.076	22.990	-0.063	23.006	-0.050
19.902	-0.058	19.919	-0.020	19.927	-0.037	19.939	-0.015	23.027	-0.024	23.046	0.015	23.063	-0.003	23.075	-0.011
19.954	-0.071	19.966	-0.079	19.986	0.033	20.008	0.094	23.140	0.006	23.150	-0.071	23.113	-0.144	23.130	0.067
20.024	0.193	20.038	0.219	20.056	0.233	20.092	0.057	23.187	0.041	23.190	-0.071	23.164	-0.144	23.177	-0.101
20.107	0.056	20.116	0.100	20.132	0.061	20.152	-0.016	23.192	-0.080	23.206	-0.075	23.221	-0.079	23.235	-0.101
20.166	0.005	20.184	-0.029	20.211	-0.076	20.225	-0.111	23.251	-0.049	23.265	-0.015	23.280	-0.040	23.293	-0.066
20.239	-0.102	20.259	-0.175	20.269	-0.123	20.287	0.010	23.303	-0.040	23.319	0.016	23.333	-0.014	23.345	-0.096
20.305	0.174	20.316	0.217	20.326	0.238	20.344	0.195	23.358	-0.092	23.373	-0.019	23.381	0.033	23.389	0.055
20.354	0.195	20.371	0.130	20.377	0.139	20.390	0.181	23.398	0.055	23.415	-0.023	23.429	-0.070	23.446	-0.075
20.402	0.233	20.421	0.167	20.438	0.128	20.454	0.029	23.464	-0.032	23.478	-0.040	23.492	-0.036	23.512	-0.019
20.466	0.011	20.485	0.047	20.506	0.053	20.515	-0.008	23.519	-0.019	23.528	-0.036	23.543	-0.019	23.556	-0.027
20.526	-0.073	20.540	-0.073	20.548	-0.099	20.564	-0.031	23.563	-0.040	23.585	-0.010	23.599	-0.010	23.613	-0.019
20.580	0.054	20.601	0.040	20.618	-0.030	20.642	-0.001	23.627	-0.020	23.640	0.085	23.657	-0.106	23.671	0.119
20.653	0.067	20.669	0.071	20.680	0.044	20.702	-0.051	23.692	0.063	23.709	0.024	23.730	0.003	23.743	0.016
20.708	-0.060	20.724	0.004	20.747	0.064	20.762	0.033	23.764	-0.001	23.784	-0.014	23.796	-0.036	23.809	-0.079
20.780	0.067	20.802	0.084	20.813	0.122	20.827	0.074	23.817	-0.096	23.840	-0.049	23.851	-0.010	23.869	0.068
20.835	0.066	20.847	0.078	20.860	0.057	20.871	0.117	23.882	0.119	23.896	0.119	23.911	0.132	23.925	0.089
20.888	0.165	20.897	0.143	20.918	-0.016	20.929	-0.050	23.934	0.064	23.941	0.042	23.958	0.051	23.970	0.064
20.947	-0.063	20.972	0.002	20.977	-0.007	20.991	-0.080	23.975	0.051	23.994	0.055	24.013	0.038	24.018	0.034
21.010	-0.119	21.022	-0.170	21.039	-0.149	21.053	-0.162	24.036	0.086	24.053	0.086	24.067	0.021	24.086	0.004
21.069	-0.132	21.080	-0.132	21.106	0.022	21.115	0.035	24.100	-0.078	24.110	-0.095	24.124	-0.116	24.136	-0.164
21.131	0.009	21.150	-0.013	21.167	-0.083	21.188	-0.101	24.148	-0.189	24.168	-0.142	24.180	-0.129	24.195	-0.103
21.200	-0.149	21.215	-0.167	21.230	-0.090	21.248	0.016	24.213	-0.073	24.228	-0.094	24.238	-0.103	24.252	-0.060
21.265	0.049	21.276	0.079	21.289	0.048	21.298	0.021	24.264	-0.051	24.282	-0.098	24.303	-0.111	24.320	-0.098
21.310	0.037	21.330	0.006	21.354	0.078	21.371	0.029	24.340	-0.072	24.358	-0.137	24.382	-0.141	24.393	-0.124
21.388	0.114	21.398	0.157	21.421	0.194	21.442	0.231	24.412	-0.081	24.434	-0.021	24.458	-0.008	24.480	-0.017
21.459	0.166	21.468	0.178	21.482	0.117	21.512	0.080	24.496	-0.060	24.521	-0.005	24.537	-0.013	24.554	0.008
21.523	0.050	21.533	0.010	21.538	-0.012	21.546	-0.008	24.562	0.043	24.585	0.060	24.597	0.060	24.609	0.030
21.554	0.000	21.561	-0.004	21.576	0.046	21.590	0.045	24.635	0.026	24.650	0.060	24.663	0.056	24.681	0.069
21.602	0.045	21.614	0.027	21.629	0.043	21.642	0.077	24.695	0.043	24.709	0.030	24.722	-0.086	24.743	-0.086
21.655	0.055	21.668	-0.001	21.679	-0.036	21.689	-0.079	24.759	-0.052	24.786	-0.017	24.798	0.004	24.816	-0.030
21.702	-0.080	21.716	-0.063	21.729	-0.016	21.743	0.023	24.832	-0.030	24.845	-0.034	24.869	0.022	24.893	0.044
21.752	0.031	21.762	-0.008	21.775	-0.073	21.790	-0.069	24.910	0.048	24.924	0.061	24.949	0.023	24.969	-0.029
21.801	-0.069	21.812	-0.022	21.817	-0.018	21.840	-0.023	24.986	-0.028	25.007	-0.028	25.029	-0.062	25.055	-0.032
21.847	-0.027	21.858	-0.036	21.869	-0.010	21.881	0.016	25.085	-0.023	25.103	0.003	25.122	0.021	25.143	0.004



25.166	-0.030	25.181	-0.022	25.210	-0.047	25.232	-0.064	29.803	-0.047	29.825	-0.095	29.848	-0.044	29.872	-0.058
25.253	-0.068	25.281	-0.055	25.298	-0.050	25.323	-0.024	29.887	-0.071	29.911	-0.011	29.927	-0.032	29.942	-0.010
25.341	-0.063	25.361	-0.080	25.372	-0.084	25.386	-0.062	29.956	-0.016	29.985	-0.008	30.002	0.030	30.019	0.051
25.476	-0.071	25.428	0.024	25.450	0.041	25.473	0.063	30.041	0.055	30.060	0.063	30.079	0.011	30.099	-0.002
25.479	-0.059	25.528	0.042	25.528	-0.040	25.556	-0.006	30.116	-0.042	30.140	-0.059	30.165	-0.090	30.199	-0.035
25.573	0.020	25.588	0.007	25.614	0.012	25.635	-0.040	30.218	-0.036	30.233	-0.023	30.249	-0.036	30.270	-0.007
25.646	-0.049	25.672	-0.066	25.680	0.012	25.709	0.007	30.292	-0.014	30.312	-0.023	30.340	-0.066	30.364	-0.026
25.735	-0.078	25.768	-0.062	25.807	0.020	25.830	0.016	30.380	-0.014	30.392	-0.023	30.417	-0.066	30.439	-0.020
25.846	0.042	25.873	0.037	25.898	0.003	25.923	0.042	30.453	0.023	30.476	-0.003	30.512	-0.069	30.538	-0.014
25.943	0.016	25.967	-0.019	25.988	-0.001	26.012	0.016	30.551	0.029	30.577	-0.049	30.597	-0.062	30.615	-0.063
26.035	0.068	26.084	0.136	26.084	0.119	26.096	0.093	30.639	-0.003	30.670	-0.049	30.691	-0.069	30.707	-0.043
26.110	0.067	26.136	0.041	26.153	0.037	26.176	0.080	30.727	-0.091	30.753	-0.117	30.770	-0.062	30.796	-0.036
26.199	0.032	26.214	0.050	26.240	0.002	26.255	0.024	30.827	-0.089	30.841	-0.080	30.888	-0.034	30.888	-0.039
26.276	-0.024	26.297	-0.054	26.315	-0.071	26.326	-0.020	30.905	-0.056	30.931	-0.109	30.945	-0.105	30.966	-0.097
26.350	0.023	26.361	-0.016	26.371	-0.003	26.385	-0.059	30.988	-0.101	31.013	-0.055	31.030	-0.051	31.046	-0.034
26.407	-0.051	26.426	-0.003	26.447	-0.047	26.464	-0.004	31.063	-0.043	31.087	-0.035	31.109	-0.087	31.125	-0.104
26.490	-0.051	26.518	-0.095	26.541	-0.086	26.557	-0.091	31.142	-0.079	31.171	-0.105	31.192	-0.136	31.224	-0.089
26.574	-0.013	26.586	-0.031	26.597	0.004	26.612	0.003	31.250	-0.085	31.270	-0.090	31.286	-0.124	31.322	-0.052
26.636	-0.018	26.646	-0.014	26.668	0.050	26.684	0.024	31.348	-0.035	31.371	-0.031	31.394	-0.027	31.421	-0.019
26.706	0.075	26.723	0.024	26.753	0.088	26.795	-0.029	31.450	-0.046	31.477	-0.089	31.501	-0.025	31.525	-0.034
26.821	-0.029	26.845	0.031	26.864	-0.009	26.890	-0.010	31.544	-0.018	31.556	-0.039	31.574	-0.001	31.596	0.059
26.914	0.024	26.933	0.036	26.963	-0.025	26.985	-0.064	31.613	-0.011	31.631	-0.024	31.652	0.027	31.673	0.057
27.012	-0.065	27.031	-0.074	27.045	-0.070	27.078	-0.106	31.693	-0.008	31.709	-0.073	31.746	-0.027	31.766	-0.105
27.103	-0.128	27.131	-0.025	27.155	0.052	27.177	0.038	31.782	-0.161	31.803	-0.057	31.826	-0.055	31.853	-0.030
27.204	-0.068	27.226	-0.002	27.246	-0.047	27.281	-0.012	31.874	0.004	31.894	-0.026	31.908	-0.035	31.922	-0.014
27.300	-0.017	27.321	-0.082	27.342	-0.091	27.379	-0.009	31.943	-0.023	31.974	-0.058	32.000	-0.123	32.019	-0.119
27.402	-0.027	27.419	-0.048	27.439	-0.022	27.464	-0.035	32.033	-0.115	32.047	-0.085	32.058	-0.085	32.079	-0.056
27.483	-0.023	27.526	0.020	27.551	-0.062	27.567	-0.092	32.104	-0.057	32.124	-0.092	32.160	-0.106	32.165	-0.098
27.589	-0.066	27.600	-0.027	27.613	0.020	27.647	-0.028	32.170	-0.085	32.175	-0.077	32.180	-0.064	32.151	-0.039
27.672	-0.002	27.691	0.050	27.716	-0.002	27.744	-0.054	32.208	-0.026	32.230	-0.023	32.247	-0.032	32.264	-0.020
27.757	0.071	27.774	0.036	27.799	-0.007	27.820	-0.016	32.275	-0.012	32.292	0.018	32.303	0.030	32.316	-0.090
27.832	0.015	27.847	0.006	27.865	-0.029	27.881	-0.072	32.335	-0.057	32.346	-0.070	32.363	-0.059	32.382	-0.050
27.895	-0.068	27.920	-0.034	27.943	-0.051	27.961	-0.051	32.395	-0.060	32.409	-0.066	32.428	-0.041	32.449	-0.038
27.984	-0.021	27.996	0.000	28.023	0.009	28.044	0.026	32.461	-0.060	32.485	-0.130	32.496	-0.122	32.517	-0.093
28.063	0.025	28.084	0.021	28.108	-0.044	28.130	-0.014	32.532	-0.046	32.551	-0.073	32.564	-0.078	32.581	-0.083
28.148	-0.014	28.166	-0.023	28.190	-0.044	28.214	-0.024	32.594	-0.079	32.624	-0.050	32.654	-0.115	32.668	-0.081
28.234	-0.066	28.251	0.011	28.270	-0.011	28.283	-0.024	32.687	-0.060	32.701	-0.035	32.720	-0.065	32.753	-0.052
28.298	-0.067	28.316	0.036	28.334	0.006	28.352	-0.016	32.774	-0.070	32.792	-0.062	32.824	-0.097	32.861	-0.101
28.369	0.066	28.397	0.044	28.419	0.022	28.440	0.009	32.874	-0.127	32.886	-0.084	32.900	-0.132	32.917	-0.059
28.460	-0.013	28.476	-0.004	28.498	-0.018	28.513	-0.039	32.928	-0.063	32.947	-0.010	32.973	-0.107	32.986	-0.077
28.528	-0.001	28.552	0.020	28.569	0.012	28.583	0.003	33.001	-0.085	33.016	-0.081	33.037	-0.150	33.048	-0.163
28.604	0.028	28.620	0.036	28.633	0.006	28.655	-0.055	33.071	-0.163	33.082	-0.133	33.096	-0.116	33.119	-0.065
28.675	0.005	28.688	0.009	28.701	0.044	28.718	-0.030	33.148	-0.104	33.165	-0.108	33.179	-0.130	33.198	-0.113
28.731	-0.069	28.749	-0.052	28.765	-0.087	28.783	-0.104	33.212	-0.126	33.237	-0.065	33.266	-0.100	33.286	-0.061
28.801	-0.031	28.818	-0.036	28.835	-0.002	28.856	0.015	33.276	-0.057	33.323	-0.022	33.341	-0.048	33.356	-0.065
28.875	0.045	28.883	0.058	28.896	0.019	28.918	0.058	33.376	-0.082	33.392	-0.074	33.403	-0.086	33.414	-0.061
28.943	-0.012	28.956	-0.046	28.975	-0.059	28.992	-0.038	33.435	-0.091	33.469	0.012	33.479	-0.022	33.493	-0.013
29.000	0.009	29.027	-0.017	29.038	0.043	29.063	0.051	33.513	-0.073	33.525	-0.086	33.541	-0.060	33.558	-0.038
29.091	0.029	29.111	-0.057	29.134	-0.040	29.148	-0.049	33.570	-0.073	33.609	-0.141	33.617	-0.159	33.636	-0.128
29.164	0.024	29.180	0.054	29.193	0.054	29.216	-0.007	33.655	-0.094	33.674	-0.065	33.693	-0.098	33.713	-0.046
29.247	-0.080	29.272	-0.051	29.292	-0.051	29.312	-0.034	33.731	-0.011	33.747	0.002	33.778	-0.054	33.793	-0.071
29.328	-0.038	29.347	-0.095	29.379	-0.100	29.395	-0.061	33.820	-0.067	33.841	-0.082	33.865	-0.113	33.876	-0.117
29.430	-0.049	29.456	-0.028	29.480	-0.003	29.500	-0.030	33.901	-0.009	33.919	-0.017	33.934	-0.008	33.965	-0.111
29.529	-0.078	29.548	-0.048	29.573	-0.036	29.599	-0.088	33.975	-0.124	33.993	-0.085	34.019	-0.062	34.048	-0.049
29.620	-0.050	29.649	-0.012	29.666	0.064	29.699	0.029	34.060	-0.036	34.083	-0.044	34.102	-0.074	34.131	-0.103
29.721	0.076	29.744	0.041	29.757	0.040	29.781	-0.016	34.164	-0.150	34.180	-0.132	34.203	-0.119	34.230	-0.024



34.245	0.015	34.268	-0.041	34.303	-0.075	34.322	-0.143	38.725	-0.053	38.746	-0.045	38.769	-0.058	38.786	-0.080
34.332	-0.161	34.341	-0.139	34.381	-0.057	34.397	-0.040	38.798	-0.093	38.814	-0.067	38.829	-0.076	38.844	-0.102
34.407	-0.057	34.420	-0.070	34.441	-0.118	34.450	-0.122	38.861	-0.145	38.871	-0.141	38.908	-0.086	38.930	-0.060
34.472	-0.062	34.482	-0.049	34.502	-0.062	34.529	-0.044	38.942	-0.061	38.959	-0.091	38.990	-0.104	39.015	-0.066
34.561	-0.066	34.564	-0.023	34.617	-0.109	34.627	-0.118	39.036	-0.028	39.052	-0.024	39.066	-0.024	39.084	-0.003
34.653	-0.075	34.675	-0.143	34.683	-0.156	34.700	-0.113	39.102	-0.016	39.124	-0.025	39.141	-0.047	39.161	-0.025
34.722	-0.053	34.730	-0.070	34.760	-0.019	34.784	-0.092	39.193	-0.022	39.220	-0.070	39.234	-0.074	39.270	-0.075
34.799	-0.062	34.823	-0.019	34.834	-0.014	34.854	-0.053	39.289	-0.062	39.308	-0.084	39.338	-0.076	39.367	-0.085
34.866	-0.062	34.881	-0.053	34.906	-0.096	34.925	-0.165	39.387	-0.077	39.418	-0.043	39.435	-0.043	39.452	-0.073
34.936	-0.174	34.950	-0.118	34.969	-0.040	34.989	0.003	39.477	-0.039	39.507	-0.040	39.528	-0.074	39.554	-0.057
35.007	-0.032	35.027	-0.019	35.047	-0.042	35.063	0.068	39.567	-0.062	39.582	-0.058	39.611	-0.088	39.627	-0.110
35.076	0.042	35.092	-0.040	35.103	-0.092	35.118	-0.113	39.646	-0.093	39.662	-0.076	39.675	-0.085	39.691	-0.080
35.133	-0.056	35.151	-0.044	35.166	-0.006	35.178	0.003	39.707	-0.106	39.735	-0.081	39.747	-0.064	39.765	-0.012
35.188	-0.023	35.202	-0.044	35.243	-0.087	35.251	0.092	39.780	-0.100	39.800	-0.021	39.831	-0.047	39.863	-0.048
35.266	-0.075	35.284	-0.139	35.300	-0.122	35.312	-0.131	39.882	-0.069	39.903	-0.078	39.926	-0.087	39.950	-0.079
35.346	-0.122	35.380	-0.011	35.393	0.002	35.426	0.002	39.977	-0.031	39.991	-0.027	40.012	-0.045	40.025	-0.049
35.476	-0.123	35.490	-0.119	35.510	-0.089	35.546	0.035	40.048	-0.023	40.065	-0.015	40.080	-0.028	40.098	-0.063
35.557	0.048	35.574	-0.004	35.595	-0.017	35.622	-0.103	40.114	-0.071	40.131	-0.055	40.149	-0.037	40.155	-0.037
35.639	-0.133	35.664	-0.134	35.677	-0.134	35.713	-0.078	40.162	-0.055	40.175	-0.081	40.191	-0.094	40.218	-0.060
35.741	-0.126	35.763	-0.083	35.786	-0.058	35.802	-0.045	40.230	-0.043	40.247	-0.065	40.258	-0.078	40.290	-0.048
35.823	-0.050	35.849	-0.110	35.865	-0.110	35.880	-0.089	40.304	-0.018	40.312	-0.014	40.326	-0.048	40.341	-0.061
35.906	-0.006	35.915	-0.010	35.933	-0.033	35.954	-0.050	40.356	-0.048	40.373	-0.023	40.386	-0.036	40.403	-0.049
35.973	-0.149	35.984	-0.171	35.992	-0.119	36.020	-0.025	40.426	-0.066	40.441	-0.054	40.455	-0.062	40.475	-0.028
36.031	-0.007	36.061	-0.102	36.075	-0.077	36.097	-0.077	40.493	-0.054	40.517	-0.067	40.545	-0.072	40.564	-0.067
36.119	0.053	36.132	0.061	36.147	0.022	36.169	-0.077	40.575	-0.059	40.595	-0.085	40.613	-0.094	40.630	-0.120
36.185	-0.111	36.205	-0.051	36.216	-0.042	36.240	-0.072	40.643	-0.120	40.667	-0.058	40.689	-0.051	40.701	-0.064
36.259	-0.038	36.290	-0.081	36.314	-0.141	36.326	-0.197	40.722	-0.090	40.733	-0.090	40.751	-0.081	40.765	-0.111
36.343	-0.120	36.357	-0.059	36.375	-0.042	36.394	-0.068	40.783	-0.137	40.798	-0.141	40.823	-0.103	40.850	-0.103
36.417	0.027	36.426	0.036	36.457	0.010	36.481	0.027	40.863	-0.095	40.882	-0.051	40.897	-0.058	40.906	-0.005
36.497	-0.003	36.520	-0.059	36.542	-0.093	36.552	-0.071	40.914	-0.005	40.930	-0.021	40.950	-0.056	40.957	-0.065
36.578	0.023	36.612	-0.028	36.633	-0.067	36.642	-0.076	40.979	-0.043	41.000	-0.030	41.024	-0.036	41.036	-0.005
36.670	-0.019	36.685	-0.028	36.691	-0.032	36.715	-0.002	41.053	0.038	41.064	0.034	41.079	0.012	41.103	-0.052
36.735	-0.032	36.747	-0.019	36.773	-0.054	36.800	-0.149	41.127	-0.056	41.159	-0.126	41.185	-0.139	41.214	-0.135
36.814	-0.028	36.833	-0.062	36.849	-0.119	36.863	-0.149	41.244	-0.123	41.267	-0.110	41.289	-0.072	41.304	-0.059
36.878	-0.162	36.890	-0.140	36.920	-0.007	36.926	0.006	41.329	-0.068	41.341	-0.068	41.361	-0.055	41.384	-0.021
36.948	-0.068	36.960	-0.094	36.976	-0.059	37.010	0.035	41.403	-0.017	41.423	-0.043	41.448	-0.035	41.468	-0.082
37.017	0.013	37.046	-0.107	37.059	-0.125	37.087	-0.116	41.485	-0.087	41.497	-0.056	41.519	-0.056	41.539	-0.105
37.101	-0.091	37.117	-0.052	37.135	-0.044	37.167	-0.022	41.568	-0.105	41.591	-0.105	41.629	-0.106	41.635	-0.110
37.184	0.008	37.196	0.008	37.221	-0.044	37.235	-0.062	41.646	-0.110	41.660	-0.085	41.673	-0.055	41.683	-0.038
37.251	-0.049	37.273	0.058	37.303	-0.049	37.324	0.006	41.697	-0.029	41.708	-0.029	41.721	-0.042	41.736	-0.060
37.347	-0.063	37.361	-0.102	37.375	-0.089	37.395	-0.042	41.765	-0.060	41.785	-0.035	41.817	-0.061	41.825	-0.070
37.487	-0.004	37.498	-0.021	37.519	-0.064	37.546	-0.090	41.792	-0.013	41.805	-0.035	41.853	-0.027	41.865	-0.036
37.576	-0.168	37.596	-0.082	37.623	-0.031	37.640	0.021	41.832	-0.065	41.843	-0.048	41.856	-0.056	41.901	-0.114
37.652	0.034	37.683	-0.001	37.700	-0.014	37.723	-0.023	41.881	-0.045	41.890	-0.088	41.896	-0.101	41.901	-0.114
37.739	-0.014	37.775	-0.049	37.807	-0.010	37.831	-0.006	41.908	-0.114	41.914	-0.118	41.928	-0.092	41.940	-0.067
37.866	-0.045	37.895	-0.050	37.921	-0.093	37.936	-0.016	41.948	-0.067	41.958	-0.076	41.969	-0.102	41.980	-0.123
37.962	-0.037	37.979	0.006	37.988	0.006	38.002	-0.076	41.993	-0.119	42.005	-0.085	42.018	-0.055	42.033	-0.046
38.051	-0.051	38.066	-0.073	38.083	-0.064	38.105	-0.099	42.046	-0.055	42.056	-0.055	42.063	-0.055	42.075	-0.064
38.124	-0.103	38.138	-0.082	38.160	-0.035	38.171	-0.026	42.131	-0.061	42.144	-0.043	42.160	-0.044	42.168	-0.048
38.190	-0.070	38.200	-0.074	38.219	-0.044	38.235	-0.028	42.179	-0.057	42.189	-0.057	42.198	-0.057	42.203	-0.061
38.275	-0.071	38.284	-0.076	38.329	0.031	38.361	-0.059	42.214	-0.075	42.222	-0.083	42.236	-0.088	42.247	-0.092
38.378	-0.077	38.403	-0.042	38.415	-0.042	38.444	-0.081	42.259	-0.075	42.271	-0.067	42.281	-0.067	42.294	-0.071
38.502	-0.086	38.522	-0.099	38.539	-0.095	38.562	-0.061	42.307	-0.059	42.314	-0.059	42.321	-0.076	42.329	-0.098
38.584	-0.061	38.604	-0.079	38.616	-0.053	38.637	-0.031	42.339	-0.093	42.345	-0.093	42.354	-0.085	42.367	-0.077
38.656	-0.006	38.671	-0.032	38.693	-0.075	38.705	-0.075	42.376	-0.060	42.388	-0.034	42.398	-0.026	42.408	-0.034



42.416	-0.047	42.431	-0.056	42.439	-0.078	42.449	-0.095	45.066	-0.043	45.078	-0.034	45.055	-0.022	45.113	-0.009
42.459	-0.095	42.473	-0.074	42.485	-0.074	42.495	-0.070	45.133	-0.043	45.142	-0.061	45.152	-0.074	45.160	-0.069
42.506	-0.070	42.514	-0.101	42.520	-0.118	42.527	-0.123	45.173	-0.057	45.190	-0.035	45.196	-0.031	45.202	-0.035
42.540	-0.110	42.551	-0.093	42.561	-0.093	42.572	-0.072	45.210	-0.044	45.226	-0.053	45.245	-0.070	45.264	-0.061
42.582	-0.076	42.595	-0.072	42.604	-0.059	42.612	-0.081	45.272	-0.066	45.283	-0.074	45.299	-0.066	45.308	-0.070
42.619	-0.068	42.626	-0.098	42.631	-0.099	42.643	-0.077	45.315	-0.074	45.323	-0.079	45.332	-0.087	45.344	-0.075
42.649	-0.060	42.659	-0.052	42.668	-0.052	42.680	-0.030	45.363	-0.062	45.378	-0.075	45.389	-0.092	45.400	-0.096
42.687	-0.041	42.693	-0.061	42.701	-0.065	42.713	-0.039	45.407	-0.088	45.416	-0.066	45.426	-0.028	45.436	-0.015
42.724	-0.031	42.735	-0.044	42.738	-0.057	42.743	-0.070	45.446	-0.023	45.457	-0.045	45.468	-0.066	45.477	-0.075
42.746	-0.083	42.758	-0.061	42.769	-0.036	42.779	-0.036	45.488	-0.079	45.507	-0.062	45.521	-0.041	45.540	-0.032
42.791	-0.040	42.801	-0.045	42.809	-0.062	42.814	-0.066	45.551	-0.037	45.562	-0.054	45.577	-0.041	45.592	-0.033
42.820	-0.067	42.828	-0.075	42.837	-0.088	42.845	-0.088	45.607	-0.028	45.619	-0.037	45.625	-0.054	45.636	-0.067
42.855	-0.058	42.868	-0.037	42.882	-0.041	42.890	-0.041	45.641	-0.067	45.645	-0.080				
42.896	-0.041	42.904	-0.046	42.918	-0.050	42.928	-0.042								
42.939	-0.038	42.947	-0.042	42.953	-0.046	42.967	-0.038								
42.975	-0.001	42.987	0.001	42.999	-0.021	43.010	-0.034								
43.018	-0.047	43.031	-0.064	43.037	-0.081	43.051	-0.086								
43.060	-0.064	43.073	-0.039	43.084	-0.030	43.093	-0.030								
43.105	-0.043	43.116	-0.069	43.123	-0.095	43.135	-0.104								
43.149	-0.100	43.166	-0.091	43.175	-0.078	43.189	-0.109								
43.201	-0.087	43.211	-0.108	43.223	-0.113	43.237	-0.107								
43.250	-0.078	43.265	-0.066	43.277	-0.066	43.293	-0.079								
43.304	-0.056	43.316	-0.096	43.327	-0.096	43.339	-0.105								
43.353	-0.083	43.365	-0.092	43.376	-0.096	43.391	-0.079								
43.407	-0.070	43.415	-0.057	43.425	-0.057	43.436	-0.057								
43.453	-0.057	43.462	-0.057	43.476	-0.075	43.488	-0.096								
43.503	-0.122	43.516	-0.131	43.529	-0.131	43.547	-0.126								
43.565	-0.131	43.577	-0.118	43.556	-0.083	43.615	-0.087								
43.634	-0.083	43.652	-0.075	43.659	-0.079	43.674	-0.049								
43.694	-0.057	43.712	-0.062	43.727	-0.070	43.738	-0.079								
43.752	-0.066	43.768	-0.049	43.782	-0.036	43.794	-0.032								
43.802	-0.027	43.815	-0.032	43.829	-0.049	43.837	-0.070								
43.847	-0.087	43.859	-0.087	43.869	-0.079	43.880	-0.079								
43.889	-0.083	43.901	-0.075	43.909	-0.062	43.920	-0.053								
43.936	-0.040	43.951	-0.044	43.958	-0.057	43.966	-0.062								
43.976	-0.044	43.988	-0.027	43.999	-0.032	44.007	-0.044								
44.019	-0.053	44.030	-0.049	44.036	-0.044	44.051	-0.053								
44.063	-0.092	44.073	-0.118	44.082	-0.118	44.095	-0.100								
44.111	-0.079	44.130	-0.066	44.151	-0.027	44.172	-0.018								
44.155	-0.014	44.208	-0.014	44.225	-0.010	44.240	-0.005								
44.251	-0.014	44.263	-0.027	44.273	-0.031	44.284	-0.052								
44.294	-0.052	44.306	-0.074	44.319	-0.091	44.335	-0.091								
44.348	-0.095	44.356	-0.099	44.368	-0.099	44.384	-0.090								
44.394	-0.077	44.407	-0.056	44.427	-0.051	44.434	-0.051								
44.442	-0.060	44.453	-0.073	44.470	-0.055	44.481	-0.034								
44.492	-0.008	44.503	0.005	44.517	0.010	44.534	0.001								
44.545	-0.016	44.560	-0.020	44.578	-0.041	44.589	-0.059								
44.604	-0.067	44.614	-0.063	44.626	-0.071	44.636	-0.084								
44.648	-0.084	44.659	-0.097	44.667	-0.097	44.683	-0.088								
44.700	-0.071	44.712	-0.067	44.730	-0.058	44.741	-0.058								
44.755	-0.071	44.772	-0.054	44.791	-0.028	44.807	-0.019								
44.824	-0.028	44.838	-0.037	44.846	-0.037	44.865	-0.033								
44.879	-0.050	44.891	-0.054	44.899	-0.059	44.906	-0.067								
44.917	-0.076	44.933	-0.076	44.942	-0.072	44.953	-0.072								
44.973	-0.068	44.988	-0.059	45.000	-0.060	45.009	-0.060								
45.021	-0.034	45.035	-0.034	45.047	-0.034	45.053	-0.043								



71.082 2/9/71 0600PST ALHAMBRA, 900 S. FREMONT 12TH FL. SOUTH

2375 POINTS 43.349 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 0.2860 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.121	0.014	0.130	0.033	0.134	0.051	0.125	3.251	0.036	3.272	0.048	3.293	0.065	3.311	0.132
0.068	0.129	0.083	0.129	0.107	0.129	0.129	0.150	3.335	0.157	3.358	0.132	3.388	0.106	3.414	0.114
0.150	0.112	0.172	0.095	0.199	0.107	0.218	0.099	3.428	0.102	3.448	0.114	3.469	0.114	3.500	0.164
0.239	0.086	0.265	0.115	0.285	0.153	0.314	0.115	3.519	0.130	3.538	0.079	3.559	0.049	3.576	0.053
0.330	0.140	0.358	0.144	0.377	0.123	0.393	0.140	3.594	0.053	3.616	0.057	3.629	0.056	3.662	0.094
0.405	0.119	0.415	0.127	0.431	0.110	0.446	0.080	3.656	0.098	3.672	0.106	3.691	0.068	3.707	0.080
0.466	0.072	0.480	0.076	0.504	0.097	0.525	0.101	3.726	0.076	3.743	0.109	3.755	0.075	3.775	0.134
0.546	0.143	0.565	0.177	0.586	0.155	0.605	0.126	3.794	0.180	3.808	0.188	3.825	0.259	3.844	0.175
0.624	0.100	0.639	0.109	0.658	0.083	0.676	0.066	3.859	0.166	3.878	0.124	3.901	0.107	3.922	0.110
0.695	0.075	0.712	0.075	0.726	0.091	0.743	0.137	3.931	0.140	3.949	0.131	3.964	0.131	3.983	0.131
0.760	0.146	0.776	0.146	0.785	0.125	0.809	0.162	4.001	0.139	4.024	0.168	4.044	0.185	4.056	0.181
0.826	0.124	0.844	0.074	0.868	0.107	0.891	0.107	4.063	0.155	4.074	0.189	4.091	0.117	4.107	0.125
0.903	0.069	0.920	0.090	0.951	0.132	0.964	0.119	4.127	0.079	4.147	0.045	4.176	0.032	4.198	0.074
0.978	0.081	0.994	0.098	1.013	0.118	1.030	0.114	4.215	0.162	4.231	0.230	4.251	0.250	4.279	0.212
1.044	0.122	1.067	0.088	1.081	0.088	1.097	0.113	4.294	0.132	4.308	0.069	4.318	0.086	4.339	0.014
1.127	0.129	1.145	0.083	1.159	0.078	1.185	0.027	4.357	-0.016	4.381	0.043	4.409	0.081	4.437	0.123
1.207	0.103	1.223	0.094	1.239	0.094	1.262	0.106	4.454	0.165	4.469	0.152	4.482	0.173	4.502	0.144
1.284	0.161	1.297	0.148	1.308	0.173	1.327	0.126	4.518	0.094	4.542	0.010	4.566	0.035	4.574	0.060
1.355	0.084	1.378	0.113	1.398	0.113	1.419	0.100	4.584	0.060	4.604	0.111	4.619	0.111	4.644	0.175
1.440	0.066	1.466	0.040	1.479	0.040	1.496	0.040	4.666	0.179	4.680	0.158	4.708	0.032	4.728	-0.048
1.518	0.065	1.540	0.094	1.552	0.140	1.565	0.182	4.753	-0.086	4.770	-0.090	4.784	-0.089	4.809	0.008
1.586	0.140	1.605	0.115	1.636	0.051	1.658	0.068	4.829	0.096	4.847	0.164	4.867	0.130	4.892	0.017
1.677	0.055	1.707	0.109	1.731	0.130	1.752	0.109	4.907	-0.004	4.935	-0.063	4.960	-0.143	4.983	-0.041
1.779	0.058	1.797	0.011	1.828	0.028	1.851	0.095	5.012	0.060	5.027	0.073	5.049	0.170	5.065	0.128
1.879	0.166	1.901	0.246	1.927	0.221	1.958	0.052	5.090	0.167	5.119	0.092	5.148	0.033	5.165	0.038
1.985	0.018	2.012	0.039	2.038	0.073	2.054	0.094	5.190	0.038	5.217	0.106	5.250	0.199	5.270	0.136
2.072	0.127	2.086	0.123	2.104	0.085	2.125	0.052	5.291	0.128	5.306	0.134	5.324	0.108	5.340	-0.052
2.147	0.110	2.169	0.157	2.181	0.161	2.199	0.165	5.356	0.062	5.369	0.033	5.370	0.003	5.394	0.004
2.214	0.144	2.233	0.169	2.264	0.140	2.281	0.068	5.416	0.025	5.427	0.076	5.447	0.114	5.462	0.177
2.318	0.068	2.339	0.118	2.360	0.144	2.382	0.148	5.478	0.028	5.493	0.270	5.517	0.262	5.546	0.161
2.399	0.110	2.415	0.114	2.424	0.144	2.453	0.135	5.570	0.064	5.592	0.006	5.611	-0.024	5.628	0.031
2.481	0.072	2.502	0.080	2.518	0.114	2.531	0.085	5.638	0.132	5.659	0.213	5.675	0.284	5.696	0.318
2.549	0.101	2.565	0.089	2.590	0.089	2.611	0.148	5.713	0.344	5.741	0.231	5.777	0.100	5.789	-0.001
2.633	0.173	2.651	0.169	2.674	0.143	2.698	0.156	5.801	-0.094	5.824	-0.095	5.834	0.016	5.864	0.084
2.714	0.131	2.733	0.122	2.750	0.072	2.773	0.097	5.884	0.084	5.913	0.084	5.934	-0.029	5.955	-0.118
2.796	0.118	2.816	0.110	2.842	0.076	2.861	0.051	5.970	-0.063	5.981	-0.139	5.996	-0.059	6.010	-0.042
2.883	0.093	2.901	0.122	2.920	0.110	2.941	0.139	6.023	0.042	6.035	0.135	6.061	0.160	6.081	0.089
2.971	0.139	2.993	0.088	3.015	0.029	3.039	0.021	6.100	-0.016	6.114	-0.038	6.132	-0.139	6.156	-0.105
3.060	0.025	3.100	0.037	3.123	0.125	3.153	0.175	6.179	0.017	6.220	0.182	6.247	0.333	6.272	0.485
3.174	0.160	3.187	0.078	3.223	0.061	3.239	0.057	6.294	0.573	6.321	0.716	6.333	0.666	6.353	0.695



6.379	0.480	6.407	0.245	6.435	0.059	6.452	0.051	10.411	-0.221	10.430	-0.226	10.444	-0.197	10.462	-0.088
6.469	0.042	6.477	0.017	6.505	0.047	6.530	0.047	10.482	0.042	10.495	0.143	10.504	0.189	10.520	0.222
6.547	0.042	6.555	0.042	6.566	-0.096	6.576	0.059	10.529	0.201	10.545	0.024	10.558	-0.196	10.570	-0.415
6.589	-0.096	6.610	-0.134	6.635	-0.294	6.648	-0.480	10.588	-0.672	10.597	-0.875	10.603	-0.975	10.616	-1.026
6.666	-0.823	6.681	-0.488	6.694	-0.509	6.714	-0.387	10.626	-0.989	10.644	-0.640	10.661	-0.311	10.671	-0.080
6.729	-0.286	6.740	-0.286	6.764	-0.143	6.773	-0.202	10.682	0.130	10.691	0.231	10.709	0.286	10.725	0.147
6.783	-0.088	6.804	-0.088	6.820	-0.063	6.833	0.021	10.737	-0.094	10.751	-0.380	10.761	0.485	10.774	-0.810
6.864	0.118	6.877	0.051	6.900	0.114	6.918	0.068	10.789	-0.987	10.808	-1.101	10.827	-1.067	10.842	-0.996
6.953	0.207	6.972	0.366	6.992	0.438	7.011	0.488	10.861	-0.660	10.888	-0.518	10.873	-0.400	10.879	-0.278
7.039	0.501	7.058	0.450	7.084	0.235	7.099	0.151	10.884	-0.232	10.889	-0.157	10.899	-0.043	10.903	0.015
7.117	0.079	7.133	0.020	7.153	0.032	7.167	0.083	10.911	0.082	10.922	0.031	10.938	-0.041	10.949	-0.096
7.187	0.083	7.202	0.125	7.217	0.082	7.248	0.242	10.954	-0.193	10.966	-0.240	10.996	-0.135	11.009	-0.038
7.270	0.184	7.285	0.014	7.296	0.002	7.313	-0.091	11.018	-0.013	11.027	-0.030	11.038	0.029	11.063	0.075
7.332	0.180	7.355	-0.222	7.372	0.214	7.394	-0.155	11.083	0.158	11.100	0.082	11.107	0.070	11.124	-0.019
7.416	-0.092	7.437	-0.109	7.447	-0.075	7.462	-0.122	11.131	-0.019	11.148	-0.120	11.166	-0.125	11.174	-0.133
7.493	0.008	7.513	0.108	7.535	0.125	7.554	0.213	11.193	-0.083	11.210	-0.104	11.226	-0.164	11.238	-0.160
7.574	0.351	7.590	0.582	7.602	0.607	7.622	0.910	11.255	-0.240	11.266	-0.274	11.282	-0.484	11.295	-0.565
7.632	0.867	7.655	0.947	7.685	0.689	7.708	0.255	11.308	-0.699	11.329	-0.738	11.353	-0.730	11.366	-0.624
7.726	0.137	7.737	0.132	7.760	0.178	7.777	0.274	11.382	-0.553	11.389	-0.465	11.398	-0.250	11.412	-0.175
7.790	0.350	7.807	0.446	7.826	0.526	7.841	0.572	11.423	-0.235	11.432	-0.217	11.439	-0.217	11.460	-0.356
7.858	0.609	7.874	0.583	7.895	0.436	7.915	0.140	11.478	-0.259	11.491	-0.247	11.507	-0.184	11.517	-0.050
7.939	-0.281	7.959	-0.543	7.988	-0.860	7.998	-0.860	11.548	-0.261	11.572	0.471	11.591	0.492	11.611	0.829
8.011	-0.995	8.022	-0.941	8.029	-0.988	8.046	-0.811	11.624	0.744	11.643	0.955	11.661	0.824	11.674	0.937
8.063	-0.602	8.082	-0.148	8.098	0.062	8.130	0.255	11.684	0.744	11.694	0.748	11.700	0.739	11.709	0.853
8.159	0.144	8.183	0.013	8.203	-0.169	8.216	-0.236	11.720	0.853	11.735	1.046	11.743	1.109	11.754	1.172
8.232	-0.574	8.243	-0.756	8.261	-0.862	8.282	-0.736	11.764	1.328	11.775	1.370	11.780	1.370	11.789	1.403
8.293	-0.568	8.294	-0.526	8.311	-0.123	8.334	0.445	11.803	1.327	11.818	1.188	11.835	0.965	11.853	0.746
8.353	0.739	8.372	0.873	8.372	0.923	8.384	0.919	11.863	0.645	11.880	0.527	11.890	0.522	11.900	0.463
8.395	1.003	8.410	0.935	8.422	0.980	8.433	0.984	11.915	0.429	11.927	0.518	11.935	0.471	11.943	0.513
8.445	0.908	8.457	0.891	8.474	0.730	8.488	0.654	11.951	0.606	11.955	0.618	11.966	0.551	11.973	0.551
8.511	0.413	8.529	0.265	8.548	0.420	8.562	0.428	11.999	0.597	11.999	0.492	12.013	0.471	12.035	0.336
8.580	0.685	8.601	0.604	8.610	0.621	8.624	0.490	12.049	0.189	12.058	0.160	12.078	0.038	12.092	0.046
8.649	0.443	8.667	0.387	8.684	0.273	8.703	0.272	12.101	0.063	12.111	0.021	12.127	0.080	12.137	0.202
8.720	0.213	8.738	0.212	8.756	0.325	8.768	0.296	12.150	0.244	12.171	0.383	12.180	0.392	12.196	0.400
8.786	0.400	8.802	0.337	8.816	0.172	8.836	-0.132	12.202	0.392	12.219	0.350	12.230	0.312	12.241	0.337
8.852	-0.200	8.869	-0.331	8.881	-0.331	8.899	-0.538	12.255	0.329	12.261	0.312	12.271	0.333	12.281	0.375
8.917	-0.703	8.938	-0.788	8.960	-0.582	8.986	-0.569	12.287	0.371	12.299	0.308	12.309	0.270	12.323	0.203
9.004	-0.679	9.022	-0.633	9.048	-0.582	9.062	-0.431	12.341	0.077	12.362	0.039	12.379	0.001	12.388	-0.037
9.078	-0.431	9.087	-0.473	9.107	-0.297	9.131	-0.154	12.406	0.031	12.415	0.039	12.427	0.014	12.441	0.035
9.152	-0.014	9.186	-0.028	9.209	-0.133	9.218	-0.180	12.455	-0.003	12.466	-0.023	12.489	-0.049	12.507	0.027
9.234	-0.285	9.250	-0.256	9.265	-0.336	9.278	-0.365	12.524	0.061	12.543	-0.036	12.551	-0.049	12.570	-0.107
9.296	-0.345	9.315	-0.185	9.334	-0.025	9.361	0.282	12.590	-0.263	12.601	-0.309	12.621	-0.440	12.632	-0.456
9.396	0.534	9.408	0.459	9.432	0.399	9.449	0.218	12.650	-0.561	12.658	-0.582	12.670	-0.574	12.690	-0.616
9.466	0.046	9.480	-0.173	9.489	-0.207	9.504	-0.375	12.707	-0.548	12.720	-0.536	12.734	-0.523	12.761	-0.666
9.519	-0.400	9.539	-0.426	9.558	-0.426	9.579	-0.400	12.769	-0.738	12.790	-0.986	12.804	-1.116	12.812	-1.179
9.597	-0.468	9.626	-0.291	9.647	-0.076	9.664	0.059	12.835	-1.272	12.844	-1.259	12.861	-1.238	12.879	-1.259
9.690	0.071	9.709	0.206	9.728	0.286	9.745	0.366	12.882	-1.250	12.893	-1.204	12.907	-1.187	12.921	-1.239
9.759	0.328	9.780	0.379	9.802	0.215	9.819	0.042	12.936	-1.275	12.954	-1.368	12.960	-1.385	12.974	-1.359
9.834	-0.021	9.850	-0.135	9.887	0.232	9.906	0.535	12.986	-1.397	12.996	-1.368	13.014	-1.338	13.037	-1.262
9.923	0.729	9.937	0.855	9.954	0.872	9.964	0.792	13.049	-1.241	13.058	-1.203	13.090	-0.972	13.107	-0.808
9.979	0.669	9.992	0.551	10.003	0.543	10.021	0.475	13.124	-0.656	13.149	-0.639	13.173	-0.513	13.181	-0.504
10.039	0.538	10.054	0.513	10.077	0.576	10.100	0.508	13.199	-0.374	13.216	-0.302	13.235	-0.235	13.243	-0.243
10.121	0.474	10.131	0.419	10.150	0.448	10.171	0.376	13.259	-0.167	13.283	-0.121	13.296	-0.049	13.309	-0.066
10.191	0.444	10.209	0.384	10.225	0.426	10.243	0.456	13.331	0.301	13.355	0.031	13.372	0.119	13.384	0.136
10.258	0.455	10.277	0.497	10.298	0.472	10.319	0.375	13.398	0.304	13.421	0.469	13.443	0.608	13.460	0.658
10.337	0.202	10.345	0.109	10.369	-0.030	10.388	-0.208	13.470	0.671	13.487	0.646	13.495	0.662	13.504	0.603



13.514	0.582	13.531	0.498	13.543	0.422	13.558	0.275	17.348	-0.010	17.357	-0.027	17.370	-0.010	17.391	-0.056
13.567	0.233	13.579	0.237	13.599	0.321	13.612	0.355	17.408	-0.035	17.418	-0.064	17.429	-0.026	17.443	-0.013
13.626	0.486	13.643	0.544	13.662	0.650	13.678	0.730	17.468	0.067	17.481	0.066	17.501	0.092	17.519	0.104
13.687	0.755	13.704	0.763	13.720	0.726	13.731	0.704	17.538	0.121	17.548	0.108	17.561	0.091	17.569	0.083
13.748	0.566	13.763	0.477	13.793	0.338	13.800	0.296	17.582	0.095	17.598	0.095	17.611	0.116	17.623	0.145
13.807	0.321	13.817	0.355	13.823	0.363	13.852	0.507	17.634	0.196	17.644	0.217	17.658	0.250	17.667	0.275
13.871	0.717	13.883	0.772	13.899	1.050	13.928	1.332	17.679	0.301	17.689	0.309	17.699	0.338	17.710	0.359
13.941	1.412	13.960	1.433	13.982	1.315	14.003	1.079	17.720	0.363	17.727	0.363	17.739	0.359	17.752	0.367
14.021	0.818	14.028	0.717	14.046	0.586	14.063	0.620	17.764	0.363	17.779	0.388	17.794	0.405	17.804	0.426
14.075	0.834	14.084	0.885	14.094	0.952	14.101	1.061	17.814	0.447	17.823	0.468	17.833	0.480	17.845	0.497
14.112	1.112	14.119	1.145	14.128	1.103	14.151	0.922	17.851	0.489	17.869	0.501	17.881	0.459	17.890	0.442
14.167	0.834	14.199	0.602	14.211	0.530	14.223	0.467	17.902	0.421	17.912	0.366	17.919	0.315	17.934	0.239
14.237	0.370	14.254	0.332	14.279	0.185	14.294	0.197	17.967	0.185	17.962	0.125	17.974	0.083	17.988	0.033
14.314	0.121	14.329	0.172	14.350	0.129	14.363	0.142	18.001	0.015	18.013	-0.019	18.024	-0.053	18.033	-0.033
14.389	0.045	14.412	-0.086	14.437	-0.174	14.449	-0.191	18.044	-0.040	18.054	-0.070	18.064	-0.091	18.078	-0.079
14.462	-0.179	14.501	0.137	14.513	0.204	14.524	0.233	18.087	-0.117	18.098	-0.130	18.107	-0.130	18.119	-0.206
14.541	0.339	14.551	0.338	14.558	0.330	14.570	0.364	18.134	-0.231	18.143	-0.236	18.158	-0.278	18.173	-0.228
14.601	0.165	14.614	0.123	14.651	-0.113	14.670	-0.126	18.184	-0.186	18.201	-0.090	18.212	-0.081	18.222	-0.044
14.682	-0.155	14.695	-0.063	14.713	-0.029	14.728	0.059	18.229	-0.002	18.243	0.011	18.257	0.015	18.269	0.006
14.753	0.143	14.764	0.177	14.778	0.177	14.806	0.063	18.284	-0.057	18.297	-0.053	18.311	-0.054	18.321	-0.082
14.820	-0.022	14.831	-0.030	14.852	-0.161	14.863	-0.182	18.337	-0.042	18.351	-0.012	18.364	0.017	18.379	0.088
14.882	-0.283	14.908	-0.359	14.919	-0.368	14.949	-0.360	18.393	0.155	18.402	0.218	18.413	0.264	18.422	0.302
14.959	-0.347	14.967	-0.360	14.989	-0.309	15.000	-0.288	18.434	0.319	18.442	0.318	18.455	0.306	18.469	0.255
15.015	-0.318	15.028	-0.364	15.053	-0.457	15.089	-0.647	18.481	0.196	18.497	0.132	18.509	0.094	18.520	0.082
15.101	-0.718	15.120	-0.874	15.156	-0.975	15.171	-0.971	18.532	0.065	18.548	0.064	18.561	0.068	18.575	0.077
15.181	-1.005	15.210	-0.938	15.223	-0.896	15.239	-0.795	18.588	0.114	18.600	0.127	18.617	0.085	18.632	0.093
15.264	-0.740	15.295	-0.711	15.319	-0.699	15.344	-0.762	18.641	0.084	18.653	0.025	18.671	-0.030	18.686	-0.110
15.353	-0.728	15.368	-0.754	15.377	-0.733	15.401	-0.649	18.698	-0.156	18.712	-0.194	18.726	-0.249	18.736	-0.275
15.414	-0.552	15.428	-0.493	15.452	-0.325	15.472	-0.203	18.748	-0.292	18.763	-0.338	18.778	-0.313	18.792	-0.309
15.486	-0.106	15.504	-0.047	15.517	-0.018	15.537	-0.030	18.808	-0.314	18.822	-0.331	18.836	-0.339	18.848	-0.352
15.558	-0.043	15.571	-0.060	15.592	0.003	15.605	0.016	18.860	-0.382	18.873	-0.423	18.888	-0.449	18.907	-0.475
15.628	0.079	15.631	0.117	15.642	0.184	15.654	0.256	18.922	-0.458	18.937	-0.425	18.949	-0.404	18.958	-0.374
15.673	0.348	15.703	0.470	15.728	0.399	15.747	0.361	18.970	-0.316	18.982	-0.295	19.007	-0.240	19.019	-0.190
15.762	0.281	15.776	0.281	15.794	0.213	15.809	0.255	19.034	-0.190	19.049	-0.136	19.069	-0.106	19.087	0.022
15.829	0.209	15.848	0.247	15.868	0.213	15.886	0.226	19.099	-0.027	19.111	0.024	19.129	0.091	19.137	0.091
15.946	0.314	15.961	0.356	15.977	0.348	15.989	0.318	19.153	0.154	19.166	0.191	19.179	0.229	19.199	0.237
16.004	0.280	16.015	0.263	16.030	0.234	16.047	0.200	19.210	0.271	19.229	0.245	19.244	0.258	19.259	0.270
16.070	0.225	16.094	0.200	16.106	0.229	16.123	0.200	19.273	0.270	19.287	0.274	19.302	0.286	19.316	0.282
16.148	0.275	16.165	0.296	16.187	0.342	16.220	0.469	19.334	0.273	19.349	0.248	19.368	0.206	19.384	0.146
16.240	0.519	16.249	0.506	16.266	0.561	16.277	0.553	19.395	0.100	19.415	0.016	19.437	-0.039	19.453	-0.090
16.303	0.447	16.320	0.405	16.348	0.384	16.369	0.392	19.475	-0.124	19.500	-0.145	19.515	-0.129	19.532	-0.104
16.396	0.367	16.413	0.354	16.436	0.333	16.451	0.273	19.544	-0.083	19.563	-0.028	19.578	0.035	19.597	0.081
16.459	0.240	16.475	0.249	16.498	0.177	16.520	0.173	19.611	0.064	19.622	-0.076	19.643	0.038	19.655	0.050
16.530	0.156	16.543	0.127	16.559	0.156	16.577	0.165	19.672	0.004	19.682	-0.013	19.705	0.046	19.725	0.100
16.597	0.395	16.629	-0.025	16.658	-0.168	16.678	-0.282	19.747	0.180	19.764	0.260	19.778	0.339	19.794	0.394
16.777	-0.421	16.794	-0.433	16.805	-0.408	16.814	-0.412	19.806	0.486	19.814	0.482	19.825	0.427	19.837	0.494
16.832	-0.341	16.846	-0.311	16.863	-0.223	16.888	-0.202	19.851	0.473	19.871	0.380	19.886	0.380	19.904	0.380
16.901	-0.185	16.923	-0.231	16.941	-0.273	16.958	-0.320	19.881	0.473	19.927	0.392	19.940	0.379	19.961	0.375
16.973	-0.336	16.993	-0.361	17.005	-0.340	17.024	-0.323	19.913	0.342	19.927	0.358	20.011	0.337	20.025	0.286
17.037	-0.298	17.055	-0.252	17.072	-0.159	17.084	-0.033	19.974	0.371	19.992	0.358	20.011	0.337	20.025	0.286
17.107	0.060	17.119	0.132	17.142	0.090	17.156	0.086	20.034	0.286	20.050	0.210	20.073	0.206	20.093	0.189
17.166	0.040	17.176	0.052	17.188	-0.002	17.210	-0.019	20.109	0.176	20.123	0.151	20.139	0.096	20.154	0.041
17.221	-0.027	17.227	-0.019	17.241	0.036	17.254	-0.003	20.171	-0.030	20.190	-0.106	20.210	-0.208	20.224	-0.216
17.277	0.154	17.307	0.120	17.315	0.087	17.328	0.002	20.244	-0.317	20.253	-0.338	20.268	-0.381	20.285	-0.389
								20.302	-0.393	20.317	-0.381	20.335	-0.364	20.353	-0.347
								20.368	-0.326	20.392	-0.259	20.404	-0.255	20.420	-0.272
								20.444	-0.323	20.460	-0.253	20.473	-0.340	20.492	-0.319



20.510	-0.256	20.531	-0.176	20.542	-0.117	20.560	-0.050	24.280	0.152	24.298	0.139	24.322	0.131	24.333	0.139
20.580	-0.013	20.602	0.067	20.617	0.071	20.639	0.058	24.356	0.156	24.384	0.223	24.398	0.266	24.411	0.295
20.655	0.054	20.672	0.079	20.694	0.028	20.708	0.032	24.420	0.308	24.433	0.325	24.440	0.320	24.452	0.295
20.725	0.041	20.746	0.074	20.761	0.087	20.779	0.086	24.474	0.087	24.481	0.249	24.501	0.207	24.512	0.190
20.800	0.059	20.816	0.052	20.832	0.006	20.851	-0.024	24.531	0.177	24.543	0.181	24.561	0.186	24.576	0.190
20.865	-0.037	20.891	-0.024	20.915	-0.054	20.942	-0.079	24.590	0.177	24.608	0.173	24.626	0.169	24.636	0.152
20.939	0.057	20.978	0.118	21.004	-0.160	21.029	-0.228	24.657	0.143	24.674	0.135	24.693	0.118	24.715	0.101
21.063	-0.359	21.070	-0.321	21.094	-0.346	21.115	-0.347	24.730	0.093	24.745	0.076	24.761	0.055	24.784	0.013
21.129	-0.292	21.146	-0.254	21.164	-0.200	21.190	-0.200	24.799	-0.012	24.811	-0.025	24.827	-0.029	24.838	-0.025
21.205	-0.192	21.226	-0.217	21.257	-0.205	21.274	-0.176	24.866	0.009	24.889	0.026	24.906	0.021	24.919	0.025
21.298	-0.096	21.321	0.020	21.345	0.064	21.367	0.127	24.934	0.047	24.953	0.034	24.974	0.021	24.989	0.025
21.387	0.243	21.405	0.156	21.429	0.160	21.456	0.189	25.007	0.004	25.017	0.013	25.031	0.004	25.053	0.021
21.483	0.231	21.503	0.302	21.535	0.387	21.556	0.433	25.071	0.038	25.084	0.033	25.100	0.054	25.112	0.054
21.573	0.437	21.590	0.437	21.604	0.391	21.621	0.357	25.132	0.067	25.150	0.058	25.165	0.050	25.189	0.004
21.630	0.281	21.637	0.277	21.650	0.265	21.662	0.176	25.199	-0.022	25.239	-0.043	25.258	-0.043	25.277	-0.068
21.671	0.142	21.680	0.117	21.691	0.092	21.702	0.067	25.385	-0.102	25.318	-0.153	25.341	-0.199	25.361	-0.241
21.713	0.004	21.729	-0.009	21.739	-0.026	21.751	-0.072	25.455	-0.267	25.467	-0.280	25.484	-0.242	25.503	-0.263
21.758	-0.093	21.769	-0.076	21.785	-0.064	21.793	-0.047	25.514	-0.267	25.533	-0.309	25.548	-0.322	25.564	-0.347
21.804	-0.043	21.817	-0.051	21.830	-0.026	21.847	-0.039	25.591	-0.339	25.606	-0.306	25.632	-0.242	25.656	-0.192
21.863	-0.026	21.878	-0.051	21.894	-0.047	21.911	-0.093	25.670	-0.171	25.684	-0.180	25.694	-0.171	25.715	-0.201
21.930	-0.123	21.946	-0.135	21.960	-0.161	21.986	-0.156	25.738	-0.209	25.753	-0.192	25.773	-0.184	25.791	-0.159
22.001	-0.173	22.018	-0.152	22.035	-0.127	22.048	-0.097	25.817	-0.092	25.840	-0.029	25.861	-0.009	25.878	-0.026
22.059	-0.064	22.077	-0.026	22.087	0.021	22.099	0.050	25.888	-0.066	25.903	0.005	25.926	-0.046	25.944	-0.054
22.115	0.071	22.129	0.109	22.140	0.126	22.153	0.139	26.033	-0.037	26.055	-0.029	26.073	-0.020	26.090	-0.020
22.166	0.143	22.178	0.151	22.192	0.156	22.203	0.156	26.107	-0.025	26.123	-0.003	26.145	-0.001	26.161	0.018
22.214	0.160	22.233	0.160	22.243	0.160	22.252	0.177	26.235	0.043	26.244	0.051	26.261	0.047	26.276	0.056
22.265	0.181	22.276	0.198	22.289	0.189	22.299	0.194	26.290	0.031	26.301	0.014	26.329	0.022	26.348	0.039
22.314	0.156	22.324	0.135	22.344	0.114	22.360	0.076	26.378	0.098	26.406	0.161	26.430	0.208	26.446	0.245
22.370	0.093	22.387	0.097	22.401	0.097	22.416	0.059	26.457	0.262	26.484	0.283	26.502	0.258	26.518	0.241
22.432	0.059	22.452	0.038	22.472	-0.025	22.489	-0.092	26.527	0.249	26.559	0.207	26.578	0.203	26.597	0.178
22.502	-0.122	22.520	-0.193	22.535	-0.198	22.554	-0.227	26.595	0.219	26.610	0.190	26.624	0.203	26.632	0.194
22.571	-0.215	22.588	-0.231	22.607	-0.206	22.624	-0.236	26.651	0.219	26.666	0.240	26.683	0.228	26.696	0.236
22.642	-0.223	22.665	-0.295	22.678	-0.299	22.692	-0.345	26.716	0.207	26.733	0.177	26.755	0.126	26.767	0.097
22.710	-0.316	22.728	-0.282	22.743	-0.223	22.757	-0.181	26.786	0.080	26.812	0.071	26.826	0.063	26.844	0.076
22.771	-0.156	22.787	-0.101	22.799	-0.080	22.811	-0.059	26.872	0.080	26.892	0.084	26.910	0.071	26.926	0.058
22.826	-0.034	22.846	-0.047	22.865	-0.051	22.886	-0.059	26.946	0.037	26.961	0.050	26.978	0.054	26.999	0.066
22.909	-0.051	22.932	-0.055	22.950	-0.047	22.973	-0.034	27.020	0.065	27.056	0.061	27.079	0.060	27.105	0.073
22.992	-0.001	23.012	0.045	23.034	0.087	23.057	0.134	27.123	0.093	27.139	0.089	27.151	0.110	27.174	0.122
23.072	0.155	23.086	0.176	23.101	0.188	23.114	0.175	27.191	0.122	27.221	0.104	27.234	0.079	27.243	0.053
23.133	0.133	23.150	0.100	23.174	0.040	23.196	-0.040	27.263	0.036	27.281	0.002	27.302	-0.007	27.316	0.006
23.218	-0.094	23.230	-0.132	23.247	-0.145	23.269	-0.171	27.328	-0.011	27.348	0.010	27.366	-0.016	27.385	0.009
23.284	-0.162	23.299	-0.179	23.315	-0.145	23.343	-0.120	27.394	-0.017	27.405	0.000	27.419	-0.046	27.430	-0.026
23.358	-0.078	23.374	-0.066	23.391	-0.087	23.412	-0.099	27.440	-0.064	27.448	-0.064	27.462	-0.123	27.472	-0.115
23.426	-0.121	23.439	-0.146	23.449	-0.146	23.458	-0.171	27.482	-0.102	27.498	-0.174	27.515	-0.174	27.530	-0.200
23.477	-0.180	23.490	-0.180	23.504	-0.176	23.519	-0.167	27.550	-0.192	27.571	-0.217	27.592	-0.213	27.624	-0.210
23.535	-0.155	23.556	-0.108	23.570	-0.079	23.583	-0.049	27.635	-0.223	27.644	-0.240	27.657	-0.227	27.677	-0.261
23.600	-0.016	23.615	0.005	23.627	0.026	23.641	0.039	27.688	-0.249	27.707	-0.266	27.724	-0.266	27.739	-0.254
23.653	0.039	23.668	0.051	23.688	0.039	23.709	0.043	27.754	-0.258	27.765	-0.271	27.779	-0.259	27.803	-0.263
23.730	0.035	23.744	0.047	23.763	0.039	23.780	0.047	27.818	-0.247	27.831	-0.247	27.853	-0.226	27.864	-0.218
23.795	0.022	23.810	0.018	23.824	-0.008	23.843	-0.033	27.887	-0.185	27.903	-0.164	27.930	-0.143	27.945	-0.143
23.855	-0.050	23.868	-0.063	23.881	-0.063	23.902	-0.074	27.958	-0.135	27.976	-0.152	27.992	-0.143	28.010	-0.157
23.923	-0.029	23.939	-0.029	23.952	-0.021	23.966	-0.030	28.046	-0.153	28.064	-0.149	28.085	-0.124	28.107	-0.078
23.981	-0.021	24.006	-0.042	24.026	-0.063	24.040	-0.080	28.122	-0.068	28.139	-0.032	28.163	-0.036	28.183	-0.032
24.058	-0.088	24.067	-0.101	24.084	-0.088	24.105	-0.063								
24.120	-0.054	24.144	-0.021	24.170	0.005	24.194	0.051								
24.208	0.072	24.230	0.118	24.250	0.148	24.268	0.160								



28.201	-0.041	28.216	-0.028	28.229	-0.024	28.243	-0.007	32.568	0.002	32.581	0.015	32.587	0.007	32.605	-0.023
28.259	-0.020	28.271	0.009	28.288	0.009	28.305	0.038	32.625	-0.031	32.648	-0.039	32.695	-0.030	32.720	-0.051
28.320	0.031	28.343	0.076	28.354	0.038	28.371	0.080	32.750	-0.072	32.776	-0.088	32.795	-0.101	32.822	-0.101
28.391	0.058	28.407	0.092	28.423	0.092	28.437	0.121	32.838	-0.096	32.861	-0.079	32.869	-0.067	32.890	-0.066
28.460	0.171	28.485	0.217	28.497	0.234	28.510	0.247	32.905	-0.079	32.932	-0.104	32.961	-0.120	32.984	-0.128
28.523	0.259	28.537	0.251	28.563	0.225	28.588	0.208	33.006	-0.124	33.027	-0.115	33.053	-0.089	33.075	-0.080
28.598	0.191	28.613	0.220	28.622	0.212	28.640	0.250	33.093	-0.080	33.108	-0.071	33.124	-0.075	33.154	-0.083
28.660	0.271	28.670	0.270	28.686	0.253	28.722	0.203	33.182	-0.082	33.212	-0.099	33.233	-0.107	33.259	-0.102
28.742	0.186	28.759	0.194	28.782	0.189	28.804	0.202	33.281	-0.097	33.303	-0.097	33.330	-0.107	33.356	-0.117
28.825	0.202	28.842	0.185	28.878	0.088	28.913	0.016	33.386	-0.129	33.406	-0.145	33.423	-0.141	33.442	-0.136
28.928	-0.014	28.949	-0.035	28.974	-0.010	29.000	0.002	33.462	-0.132	33.477	-0.131	33.504	-0.143	33.527	-0.160
29.018	0.006	29.035	-0.002	29.076	-0.061	29.104	-0.091	33.555	-0.176	33.578	-0.184	33.589	-0.192	33.606	-0.175
29.128	-0.137	29.144	-0.138	29.159	-0.142	29.181	-0.129	33.628	-0.149	33.648	-0.123	33.663	-0.115	33.682	-0.106
29.210	-0.117	29.229	-0.125	29.249	-0.142	29.261	-0.151	33.703	-0.105	33.722	-0.101	33.736	-0.109	33.753	-0.100
29.283	-0.181	29.315	-0.181	29.325	-0.177	29.349	-0.152	33.776	-0.103	33.796	-0.103	33.824	-0.094	33.852	-0.072
29.367	-0.143	29.393	-0.131	29.411	-0.131	29.429	-0.144	33.875	-0.055	33.897	-0.042	33.921	-0.041	33.943	-0.036
29.460	-0.148	29.473	-0.144	29.491	-0.123	29.505	-0.111	33.967	-0.036	33.997	-0.040	34.026	-0.040	34.049	-0.032
29.521	-0.090	29.539	-0.069	29.562	-0.086	29.583	-0.099	34.074	-0.064	34.098	-0.068	34.120	-0.055	34.138	-0.031
29.604	-0.132	29.630	-0.150	29.643	-0.137	29.669	-0.095	34.155	-0.046	34.170	-0.050	34.193	-0.067	34.224	-0.096
29.686	-0.066	29.700	-0.049	29.718	-0.037	29.734	-0.045	34.245	-0.121	34.260	-0.129	34.276	-0.129	34.303	-0.120
29.757	-0.079	29.779	-0.104	29.802	-0.122	29.819	-0.138	34.323	-0.120	34.339	-0.111	34.359	-0.094	34.382	-0.094
29.833	-0.134	29.852	-0.135	29.875	-0.135	29.891	-0.131	34.418	-0.094	34.439	-0.102	34.465	-0.114	34.487	-0.118
29.907	-0.131	29.923	-0.127	29.941	-0.114	29.961	-0.098	34.506	-0.118	34.524	-0.102	34.544	-0.093	34.564	-0.068
29.982	-0.073	30.002	-0.069	30.022	-0.069	30.037	-0.087	34.577	-0.064	34.597	-0.034	34.613	-0.026	34.638	-0.017
30.068	-0.091	30.087	-0.100	30.107	-0.117	30.128	-0.122	34.659	-0.034	34.682	-0.038	34.709	-0.068	34.728	-0.055
30.138	-0.109	30.152	-0.110	30.170	-0.072	30.188	-0.081	34.745	-0.067	34.761	-0.051	34.782	-0.034	34.802	-0.017
30.207	-0.052	30.222	-0.065	30.240	-0.052	30.272	-0.057	34.822	-0.013	34.837	-0.021	34.860	-0.038	34.875	-0.042
30.294	-0.062	30.314	-0.062	30.332	-0.054	30.349	-0.054	34.899	-0.038	34.919	-0.033	34.934	-0.029	34.953	-0.021
30.367	-0.034	30.379	-0.030	30.402	-0.008	30.426	-0.024	34.971	-0.016	34.984	-0.016	35.001	-0.016	35.019	-0.042
30.443	-0.032	30.455	-0.023	30.482	-0.002	30.504	-0.020	35.035	-0.071	35.046	-0.096	35.060	-0.109	35.069	-0.118
30.523	-0.037	30.531	-0.033	30.559	0.000	30.574	0.017	35.083	-0.118	35.097	-0.109	35.114	-0.088	35.131	-0.075
30.593	0.046	30.618	0.088	30.638	0.108	30.660	0.116	35.147	-0.067	35.163	-0.067	35.182	-0.075	35.198	-0.092
30.684	0.112	30.706	0.099	30.721	0.098	30.743	0.098	35.218	-0.101	35.238	-0.122	35.258	-0.134	35.275	-0.164
30.776	0.093	30.793	0.101	30.815	0.118	30.835	0.129	35.288	-0.155	35.308	-0.134	35.323	-0.126	35.345	-0.118
30.851	0.159	30.870	0.150	30.893	0.137	30.908	0.147	35.362	-0.118	35.377	-0.122	35.395	-0.134	35.411	-0.151
30.925	0.133	30.939	0.115	30.960	0.094	30.979	0.089	35.426	-0.168	35.441	-0.164	35.459	-0.164	35.473	-0.155
31.001	0.085	31.021	0.076	31.040	0.063	31.052	0.059	35.492	-0.126	35.520	-0.130	35.547	-0.130	35.567	-0.126
31.074	0.071	31.100	0.003	31.111	-0.031	31.134	-0.027	35.593	-0.126	35.617	-0.121	35.639	-0.117	35.664	-0.109
31.150	-0.023	31.164	-0.019	31.184	-0.032	31.208	-0.024	35.689	-0.096	35.714	-0.096	35.735	-0.121	35.757	-0.130
31.226	-0.045	31.240	-0.062	31.258	-0.100	31.286	-0.134	35.785	-0.125	35.804	-0.125	35.827	-0.113	35.850	-0.104
31.307	-0.126	31.326	-0.143	31.347	-0.131	31.373	-0.127	35.876	-0.104	35.903	-0.108	35.925	-0.112	35.947	-0.125
31.388	-0.132	31.403	-0.140	31.417	-0.153	31.433	-0.170	35.977	-0.124	36.005	-0.120	36.031	-0.136	36.057	-0.140
31.453	-0.183	31.469	-0.196	31.486	-0.197	31.498	-0.194	36.076	-0.123	36.097	-0.118	36.117	-0.105	36.140	-0.092
31.508	-0.206	31.524	-0.185	31.544	-0.173	31.553	-0.189	36.160	-0.067	36.178	-0.058	36.193	-0.041	36.208	-0.049
31.571	-0.165	31.589	-0.187	31.621	-0.188	31.640	-0.188	36.230	-0.062	36.250	-0.070	36.272	-0.065	36.294	-0.061
31.655	-0.197	31.677	-0.193	31.694	-0.181	31.715	-0.186	36.314	-0.048	36.331	-0.031	36.352	-0.005	36.366	-0.012
31.733	-0.191	31.746	-0.204	31.761	-0.208	31.786	-0.222	36.378	0.025	36.388	0.033	36.401	0.021	36.415	-0.004
31.808	-0.226	31.821	-0.227	31.831	-0.219	31.851	-0.215	36.434	-0.033	36.456	-0.062	36.475	-0.091	36.498	-0.112
31.867	-0.181	31.888	-0.194	31.907	-0.182	31.932	-0.190	36.510	-0.103	36.538	-0.085	36.562	-0.059	36.587	-0.039
31.958	-0.212	31.979	-0.224	31.992	-0.224	32.013	-0.211	36.610	-0.041	36.637	-0.045	36.651	-0.053	36.669	-0.073
32.039	-0.182	32.062	-0.152	32.084	-0.118	32.101	-0.097	36.699	-0.073	36.717	-0.097	36.749	-0.084	36.771	-0.045
32.118	-0.093	32.147	-0.097	32.174	-0.097	32.202	-0.088	36.791	-0.024	36.810	-0.032	36.831	-0.018	36.856	-0.039
32.227	-0.076	32.250	-0.059	32.278	-0.033	32.298	-0.012	36.878	-0.055	36.901	-0.071	36.922	-0.071	36.946	-0.057
32.325	0.009	32.363	0.026	32.395	0.031	32.422	0.037	36.966	-0.049	36.990	-0.056	37.014	-0.077	37.048	-0.076
32.447	0.018	32.472	0.010	32.494	0.014	32.514	0.019	37.069	-0.092	37.089	-0.121	37.110	-0.142	37.137	-0.167
32.529	0.006	32.540	0.015	32.549	0.006	32.561	-0.002	37.170	-0.174	37.202	-0.186	37.220	-0.169	37.247	-0.130



37.262	-0.122	37.283	-0.138	37.315	-0.192	37.335	-0.221	42.384	-0.159	42.406	-0.138	42.434	-0.115	42.465	-0.135
37.353	-0.225	37.376	-0.199	37.406	-0.160	37.435	-0.134	42.488	-0.127	42.509	-0.102	42.539	-0.099	42.568	-0.074
37.464	-0.143	37.488	-0.155	37.509	-0.151	37.527	-0.142	42.589	-0.058	42.608	-0.046	42.654	-0.042	42.678	-0.056
37.548	-0.146	37.568	-0.150	37.590	-0.150	37.611	-0.162	42.702	-0.056	42.720	-0.065	42.740	-0.061	42.771	-0.049
37.636	-0.158	37.657	-0.158	37.679	-0.166	37.703	-0.166	42.795	-0.045	42.815	-0.040	42.840	-0.040	42.863	-0.024
37.726	-0.157	37.741	-0.157	37.759	-0.161	37.776	-0.161	42.887	-0.020	42.919	-0.036	42.949	-0.049	42.983	-0.061
37.789	-0.161	37.805	-0.148	37.825	-0.135	37.844	-0.131	43.014	-0.057	43.040	-0.048	43.070	-0.039	43.093	-0.031
37.862	-0.109	37.879	-0.122	37.895	-0.114	37.911	-0.109	43.118	-0.035	43.146	-0.047	43.182	-0.059	43.194	-0.055
37.924	-0.109	37.944	-0.126	37.962	-0.130	37.973	-0.122	43.214	-0.046	43.248	-0.046	43.266	-0.055	43.282	-0.055
37.990	-0.118	38.007	-0.105	38.028	-0.089	38.049	-0.072	43.299	-0.054	43.310	-0.059	43.349	-0.063		
38.068	-0.055	38.088	-0.030	38.108	-0.018	38.128	-0.003								
38.146	-0.011	38.164	-0.011	38.188	-0.007	38.209	-0.006								
38.228	-0.019	38.245	-0.036	38.260	-0.049	38.273	-0.049								
38.290	-0.032	38.314	-0.003	38.344	-0.022	38.366	-0.035								
38.384	-0.030	38.405	-0.026	38.428	-0.013	38.450	-0.004								
38.483	-0.004	38.508	-0.005	38.529	-0.009	38.560	-0.035								
38.581	-0.052	38.594	-0.056	38.612	-0.048	38.633	-0.040								
38.662	-0.007	38.682	-0.014	38.696	-0.022	38.707	-0.026								
38.725	-0.001	38.752	-0.029	38.768	-0.067	38.783	-0.071								
38.800	-0.093	38.817	-0.080	38.836	-0.068	38.860	-0.064								
38.889	-0.060	38.918	-0.060	38.953	-0.065	38.978	-0.073								
38.997	-0.082	39.017	-0.082	39.032	-0.091	39.055	-0.107								
39.075	-0.133	39.096	-0.146	39.118	-0.150	39.144	-0.158								
39.164	-0.163	39.188	-0.159	39.215	-0.154	39.238	-0.155								
39.268	-0.150	39.290	-0.159	39.313	-0.163	39.340	-0.168								
39.360	-0.163	39.387	-0.168	39.411	-0.172	39.432	-0.164								
39.452	-0.160	39.477	-0.147	39.506	-0.130	39.529	-0.109								
39.546	-0.101	39.562	-0.101	39.576	-0.093	39.596	-0.105								
39.620	-0.114	39.644	-0.118	39.666	-0.118	39.689	-0.122								
39.713	-0.126	39.738	-0.131	39.756	-0.127	39.779	-0.118								
39.799	-0.106	39.827	-0.110	39.849	-0.118	39.871	-0.110								
39.889	-0.114	39.910	-0.123	39.931	-0.140	39.949	-0.157								
39.967	-0.174	39.989	-0.186	40.010	-0.187	40.031	-0.170								
40.050	-0.166	40.073	-0.153	40.095	-0.162	40.119	-0.166								
40.140	-0.167	40.160	-0.167	40.176	-0.158	40.216	-0.134								
40.253	-0.113	40.288	-0.096	40.323	-0.080	40.358	-0.059								
40.395	-0.038	40.435	-0.026	40.467	-0.014	40.501	-0.011								
40.527	-0.019	40.544	-0.019	40.578	-0.001	40.614	-0.016								
40.642	-0.021	40.665	-0.012	40.685	-0.009	40.703	-0.000								
40.732	-0.012	40.750	-0.012	40.780	-0.006	40.810	-0.023								
40.839	-0.045	40.871	-0.041	40.893	-0.028	40.919	-0.016								
40.940	-0.012	40.965	-0.004	40.989	-0.004	41.012	-0.013								
41.047	-0.018	41.067	-0.014	41.089	-0.011	41.118	-0.028								
41.142	-0.015	41.169	-0.002	41.195	-0.001	41.216	-0.012								
41.252	-0.025	41.282	-0.033	41.304	-0.051	41.337	-0.085								
41.368	-0.098	41.393	-0.115	41.426	-0.149	41.469	-0.179								
41.490	-0.192	41.510	-0.217	41.527	-0.234	41.541	-0.243								
41.559	-0.256	41.589	-0.260	41.614	-0.260	41.640	-0.248								
41.665	-0.240	41.689	-0.249	41.716	-0.249	41.739	-0.241								
41.764	-0.241	41.790	-0.237	41.818	-0.229	41.841	-0.216								
41.866	-0.217	41.896	-0.217	41.912	-0.213	41.931	-0.201								
41.954	-0.184	41.974	-0.180	41.989	-0.172	42.009	-0.189								
42.034	-0.223	42.052	-0.253	42.075	-0.266	42.089	-0.262								
42.112	-0.242	42.139	-0.226	42.166	-0.197	42.190	-0.180								
42.216	-0.189	42.240	-0.219	42.264	-0.236	42.283	-0.249								
42.296	-0.241	42.313	-0.225	42.336	-0.204	42.358	-0.188								



IH 123

71-082 2/9/71 0600PST ALHAMBRA, 900 S. FREMONT 12TH FL. WEST

2530 POINTS 43.430 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 0.6922 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.001	0.024	0.000	0.041	-0.013	0.060	0.005	3.333	0.039	3.356	0.092	3.377	0.065	3.392	0.056
0.099	-0.000	0.126	-0.009	0.150	0.057	0.180	-0.027	3.421	0.118	3.448	0.024	3.470	0.042	3.506	-0.043
0.200	0.017	0.219	0.026	0.238	0.026	0.263	-0.001	3.542	0.014	3.567	-0.009	3.578	-0.031	3.604	0.066
0.296	0.052	0.315	0.016	0.341	-0.024	0.359	-0.033	3.627	0.017	3.648	-0.001	3.669	0.065	3.692	0.029
0.380	0.025	0.402	0.011	0.420	-0.020	0.446	0.038	3.706	-0.020	3.725	0.011	3.749	-0.052	3.765	-0.021
0.458	0.038	0.489	0.002	0.521	0.073	0.537	0.015	3.786	-0.080	3.786	-0.036	3.819	-0.027	3.837	-0.027
0.560	0.019	0.586	0.014	0.598	0.028	0.620	-0.013	3.846	-0.045	3.864	0.036	3.882	-0.023	3.897	-0.024
0.645	0.018	0.671	0.014	0.701	0.009	0.720	0.005	3.927	0.016	3.946	-0.042	3.959	-0.092	3.976	-0.047
0.740	0.004	0.756	0.076	0.776	0.022	0.793	-0.023	3.995	0.046	4.015	-0.008	4.031	0.001	4.049	-0.01
0.810	-0.054	0.831	0.062	0.855	-0.036	0.869	-0.010	4.058	-0.017	4.084	0.041	4.099	0.081	4.134	0.072
0.891	0.057	0.915	-0.028	0.933	0.017	0.952	-0.050	4.152	0.045	4.183	0.009	4.216	-0.098	4.236	-0.032
0.968	0.039	0.980	0.101	1.007	0.034	1.033	-0.020	4.256	-0.099	4.280	-0.014	4.303	-0.015	4.325	-0.024
1.059	0.010	1.074	0.041	1.095	-0.026	1.110	-0.026	4.341	-0.015	4.353	-0.037	4.370	-0.029	4.388	-0.069
1.131	-0.022	1.149	0.067	1.164	0.027	1.181	0.052	4.408	-0.002	4.438	-0.007	4.472	0.091	4.495	0.033
1.191	0.004	1.207	0.008	1.223	0.075	1.237	0.088	4.515	0.055	4.532	0.073	4.564	-0.002	4.598	0.007
1.258	0.070	1.280	0.007	1.293	0.033	1.310	-0.034	4.625	0.065	4.645	0.057	4.666	0.017	4.704	0.142
1.329	-0.016	1.346	-0.030	1.360	-0.025	1.376	-0.026	4.727	0.089	4.741	0.062	4.761	0.004	4.795	0.062
1.393	0.014	1.410	0.027	1.427	0.049	1.444	0.013	4.820	-0.031	4.845	0.009	4.866	0.103	4.892	0.041
1.462	-0.005	1.475	0.008	1.496	0.026	1.506	0.066	4.915	0.010	4.931	0.015	4.954	0.068	4.980	0.019
1.522	0.048	1.537	0.017	1.552	0.016	1.571	0.034	5.000	0.024	5.029	-0.006	5.045	-0.002	5.051	-0.033
1.591	0.020	1.606	-0.015	1.624	-0.051	1.636	-0.033	5.072	-0.050	5.083	-0.068	5.100	-0.059	5.125	0.013
1.656	0.015	1.671	0.020	1.682	0.011	1.697	0.042	5.143	-0.027	5.158	0.023	5.180	0.099	5.199	0.055
1.719	0.090	1.731	0.108	1.751	0.054	1.764	0.014	5.222	-0.021	5.244	-0.007	5.259	0.011	5.279	-0.038
1.782	-0.014	1.897	-0.018	1.831	-0.027	1.855	0.009	5.292	-0.028	5.331	0.049	5.325	0.061	5.347	0.071
1.967	0.016	1.993	-0.028	2.011	0.016	2.032	0.047	5.365	0.071	5.381	0.049	5.396	0.018	5.418	-0.013
2.057	0.007	2.075	0.029	2.099	0.007	2.116	0.038	5.436	-0.021	5.452	-0.008	5.472	-0.007	5.490	0.029
2.143	0.051	2.161	0.043	2.184	0.087	2.206	0.083	5.573	-0.060	5.584	-0.078	5.599	-0.002	5.588	0.002
2.228	-0.020	2.252	-0.091	2.279	-0.042	2.303	-0.051	5.633	-0.019	5.650	-0.010	5.678	0.048	5.659	-0.036
2.331	0.060	2.358	0.024	2.390	0.060	2.412	-0.007	5.711	-0.063	5.724	-0.036	5.753	-0.040	5.767	0.009
2.430	-0.047	2.453	0.006	2.473	0.051	2.497	-0.034	5.784	0.027	5.799	0.129	5.811	0.156	5.822	0.143
2.521	-0.065	2.546	-0.047	2.570	0.006	2.588	0.024	5.843	0.197	5.942	0.023	5.886	-0.137	5.899	-0.222
2.610	0.024	2.630	0.077	2.659	0.077	2.681	-0.021	5.914	-0.150	5.942	0.266	5.963	-0.083	5.976	0.060
2.704	-0.021	2.720	-0.025	2.737	-0.038	2.755	0.002	5.998	0.269	6.008	0.207	6.017	0.238	6.024	0.296
2.784	0.015	2.803	0.051	2.825	0.123	2.853	0.100	6.041	-0.274	6.057	0.193	6.080	0.167	6.094	0.042
2.873	0.073	2.884	0.046	2.912	0.172	2.931	0.028	6.118	0.136	6.136	-0.181	6.159	-0.016	6.176	0.176
2.956	-0.030	2.982	-0.096	3.001	-0.074	3.032	-0.052	6.184	0.171	6.215	0.367	6.223	0.367	6.238	0.488
3.058	0.005	3.081	0.090	3.097	0.139	3.124	0.058	6.243	0.434	6.280	0.381	6.295	0.202	6.305	0.216
3.147	-0.013	3.170	-0.019	3.191	-0.080	3.210	-0.049	6.313	0.171	6.325	0.216	6.342	0.229	6.372	0.266
3.235	0.022	3.256	0.039	3.295	0.075	3.304	0.066	6.396	0.126	6.418	0.073	6.439	0.042	6.451	-0.070



6.467	-0.333	6.492	-0.591	6.502	-0.676	6.518	-0.551	10.482	-0.194	10.501	-0.186	10.532	-0.280	10.552	-0.464
6.533	-0.511	6.552	-0.288	6.559	-0.136	6.576	0.064	10.575	-0.709	10.594	-0.973	10.605	-1.182	10.614	-1.303
6.587	-0.061	6.603	0.272	6.621	-0.154	6.629	-0.252	10.630	-1.508	10.655	-1.291	10.673	-0.957	10.686	-0.752
6.638	-0.212	6.653	-0.422	6.667	-0.457	6.689	-0.466	10.697	-0.578	10.707	-0.418	10.722	-0.240	10.748	-0.276
6.704	-0.396	6.716	-0.431	6.736	-0.301	6.757	-0.136	10.765	-0.445	10.783	-0.343	10.801	-0.312	10.818	-0.277
6.774	-0.105	6.814	0.202	6.827	0.318	6.843	0.407	10.830	-0.326	10.836	-0.295	10.838	-0.277	10.843	-0.324
6.853	0.537	6.860	0.621	6.890	0.800	6.914	0.563	10.847	-0.192	10.852	-0.157	10.858	-0.144	10.858	-0.148
6.930	0.296	6.940	0.024	6.959	-0.132	6.984	-0.025	10.863	-0.131	10.867	-0.135	10.869	-0.153	10.872	-0.167
6.997	0.042	7.006	0.171	7.037	0.282	7.047	0.255	10.874	-0.176	10.881	-0.158	10.884	-0.136	10.889	-0.110
7.058	0.326	7.083	0.308	7.099	0.264	7.117	0.201	10.893	-0.088	10.900	-0.074	10.900	-0.043	10.904	0.028
7.126	0.130	7.137	0.094	7.148	-0.014	7.156	0.040	10.910	-0.045	10.919	0.072	10.925	0.089	10.930	0.102
7.178	-0.045	7.198	-0.245	7.224	-0.152	7.246	-0.050	10.936	0.098	10.940	0.084	10.945	0.079	10.946	0.075
7.255	0.030	7.266	0.030	7.279	-0.005	7.304	0.057	10.951	0.052	10.954	0.092	10.957	0.123	10.960	0.159
7.312	0.110	7.346	0.074	7.363	0.038	7.385	0.136	10.963	0.190	10.969	0.221	10.974	0.221	10.976	0.203
7.426	0.194	7.436	0.243	7.454	0.211	7.470	0.171	10.984	0.189	10.987	0.167	10.991	0.144	10.995	0.126
7.482	0.020	7.496	-0.079	7.513	-0.097	7.534	0.116	10.999	0.100	11.002	0.082	11.007	0.064	11.010	0.010
7.548	0.147	7.564	0.298	7.579	0.355	7.592	0.502	11.016	0.037	11.019	0.023	11.026	-0.035	11.030	-0.084
7.607	0.569	7.626	0.354	7.638	0.296	7.647	0.202	11.040	-0.133	11.050	-0.213	11.056	-0.298	11.066	-0.365
7.671	0.072	7.696	-0.102	7.724	0.044	7.745	-0.054	11.070	-0.428	11.077	-0.495	11.084	-0.562	11.091	-0.637
7.762	-0.095	7.779	-0.167	7.790	-0.274	7.803	-0.395	11.102	-0.682	11.111	-0.727	11.120	-0.754	11.126	-0.740
7.820	-0.462	7.830	-0.498	7.851	-0.400	7.862	-0.258	11.132	-0.763	11.139	-0.708	11.143	-0.767	11.151	-0.714
7.876	-0.040	7.889	0.107	7.910	0.151	7.927	0.003	11.160	-0.696	11.167	-0.701	11.173	-0.732	11.179	-0.764
7.939	-0.211	7.954	-0.474	7.979	-0.551	7.993	-0.534	11.185	-0.826	11.190	-0.884	11.197	-0.933	11.206	-0.969
8.018	-0.499	8.035	-0.402	8.053	-0.269	8.068	-0.202	11.212	-0.983	11.218	-1.005	11.225	-1.018	11.239	-1.032
8.092	-0.297	8.112	-0.360	8.124	-0.405	8.142	-0.303	11.247	-1.050	11.256	-1.010	11.265	-0.957	11.270	-0.885
8.154	-0.224	8.167	-0.229	8.180	-0.144	8.210	-0.146	11.274	-0.903	11.279	-0.839	11.283	-0.845	11.290	-0.756
8.223	-0.280	8.237	-0.419	8.254	-0.433	8.270	-0.362	11.296	-0.779	11.302	-0.828	11.305	-0.801	11.313	-0.752
8.290	-0.336	8.307	-0.181	8.318	-0.119	8.342	0.090	11.316	-0.828	11.322	-0.900	11.325	-0.931	11.338	-0.949
8.367	0.414	8.384	0.641	8.389	0.819	8.406	1.050	11.348	-0.976	11.357	-0.976	11.369	-0.985	11.379	-0.994
8.425	1.263	8.453	0.946	8.487	0.396	8.506	0.266	11.393	-1.043	11.399	-1.066	11.394	-1.075	11.397	-1.026
8.534	0.408	8.540	0.506	8.549	0.483	8.570	0.683	11.402	-0.977	11.411	-0.839	11.415	-0.745	11.421	-0.674
8.584	0.607	8.598	0.793	8.607	0.784	8.624	0.855	11.429	-0.589	11.433	-0.549	11.443	-0.469	11.452	-0.407
8.645	1.073	8.661	1.103	8.678	1.040	8.707	1.053	11.459	-0.300	11.463	-0.229	11.467	-0.180	11.474	-0.126
8.753	0.819	8.786	0.551	8.799	0.359	8.827	0.135	11.478	-0.135	11.480	-0.189	11.484	-0.229	11.488	-0.198
8.848	0.130	8.874	0.026	8.899	-0.166	8.908	-0.314	11.567	-0.070	11.575	-0.003	11.586	0.117	11.596	0.211
8.928	-0.475	8.943	-0.609	8.959	-0.658	8.973	-0.530	11.614	0.304	11.626	0.317	11.636	0.348	11.643	0.339
8.992	-0.650	9.013	-0.691	9.024	-0.807	9.036	-0.820	11.648	0.290	11.657	0.357	11.660	0.442	11.667	0.495
9.060	-1.190	9.082	-1.369	9.100	-1.249	9.119	-1.004	11.685	0.535	11.694	0.522	11.704	0.512	11.716	0.499
9.137	-0.825	9.158	-0.701	9.179	-0.541	9.203	-0.492	11.726	0.477	11.738	0.476	11.755	0.498	11.763	0.507
9.213	-0.527	9.224	-0.474	9.236	-0.452	9.283	-0.546	11.772	0.547	11.788	0.583	11.797	0.654	11.805	0.676
9.270	-0.671	9.281	-0.920	9.301	-0.965	9.313	-0.996	11.811	0.663	11.818	0.694	11.823	0.787	11.831	0.760
9.332	-0.930	9.347	-0.959	9.364	-0.850	9.395	-0.609	11.840	0.738	11.848	0.756	11.860	0.711	11.869	0.631
9.418	-0.333	9.439	-0.097	9.457	-0.017	9.480	-0.053	11.878	0.541	11.888	0.457	11.898	0.385	11.905	0.340
9.510	-0.227	9.526	-0.441	9.559	-0.708	9.581	-0.619	11.916	0.363	11.924	0.313	11.930	0.278	11.941	0.278
9.599	-0.378	9.606	-0.365	9.630	-0.053	9.644	-0.170	11.948	0.260	11.959	0.326	11.969	0.366	11.982	0.402
9.651	0.188	9.674	0.438	9.683	0.367	9.701	0.358	11.997	0.446	12.015	0.469	12.025	0.504	12.033	0.509
9.718	0.175	9.734	0.037	9.753	-0.110	9.766	0.006	12.040	0.491	12.052	0.518	12.064	0.482	12.074	0.424
9.789	0.220	9.798	0.358	9.814	0.496	9.826	0.572	12.090	0.429	12.109	0.456	12.125	0.527	12.136	0.603
9.841	0.657	9.859	0.639	9.876	0.461	9.893	0.287	12.148	0.683	12.159	0.723	12.164	0.764	12.175	0.697
9.912	0.117	9.935	0.091	9.960	0.287	9.974	0.439	12.183	0.643	12.199	0.563	12.216	0.443	12.229	0.398
9.991	0.657	10.016	1.049	10.031	1.285	10.053	1.396	12.243	0.394	12.259	0.399	12.266	0.425	12.280	0.519
10.077	1.191	10.104	0.785	10.121	0.610	10.138	0.708	12.291	0.541	12.302	0.604	12.309	0.573	12.321	0.528
10.163	1.100	10.183	1.336	10.202	1.443	10.225	1.157	12.331	0.443	12.335	0.426	12.351	0.363	12.362	0.310
10.248	0.725	10.260	0.546	10.286	0.305	10.297	0.287								
10.326	0.073	10.343	0.006	10.361	0.063	10.374	-0.021								
10.393	-0.008	10.417	-0.041	10.435	-0.179	10.461	-0.283								



12.379	0.265	12.390	0.230	12.408	0.181	12.425	0.141	15.101	-0.853	15.109	-0.897	15.119	-0.915	15.134	-0.938
12.434	0.118	12.447	0.070	12.458	0.025	12.473	-0.028	15.145	-0.982	15.156	-1.076	15.162	-1.143	15.168	-1.187
12.483	-0.073	12.490	-0.104	12.500	-0.086	12.509	-0.122	15.180	-1.188	15.198	-1.152	15.198	-1.143	15.208	-1.143
12.517	-0.162	12.524	-0.162	12.532	-0.211	12.538	-0.233	15.216	-1.170	15.226	-1.215	15.230	-1.237	15.241	-1.241
12.550	-0.202	12.562	-0.175	12.572	-0.139	12.580	-0.126	15.250	-1.242	15.256	-1.242	15.265	-1.277	15.274	-1.340
12.595	-0.148	12.610	-0.161	12.626	-0.179	12.638	-0.210	15.282	-1.393	15.288	-1.433	15.288	-1.425	15.306	-1.411
12.643	-0.237	12.651	-0.264	12.662	-0.259	12.674	-0.268	15.324	-1.425	15.330	-1.456	15.339	-1.438	15.345	-1.425
12.683	-0.263	12.697	-0.236	12.703	-0.187	12.710	-0.178	15.357	-1.403	15.368	-1.412	15.378	-1.390	15.385	-1.390
12.720	-0.147	12.729	-0.062	12.737	0.000	12.746	0.085	15.398	-1.399	15.409	-1.430	15.415	-1.461	15.428	-1.501
12.754	0.152	12.769	0.192	12.778	0.241	12.793	0.250	15.444	-1.488	15.455	-1.461	15.472	-1.403	15.488	-1.332
12.806	0.241	12.818	0.259	12.832	0.264	12.835	0.273	15.505	-1.252	15.519	-1.172	15.535	-1.087	15.552	-0.976
12.855	0.277	12.874	0.286	12.888	0.313	12.904	0.340	15.562	-0.940	15.577	-0.913	15.585	-0.851	15.600	-0.798
12.912	0.389	12.921	0.443	12.941	0.478	12.954	0.447	15.616	-0.731	15.629	-0.691	15.639	-0.633	15.647	-0.548
12.976	0.389	12.986	0.333	12.998	0.269	13.007	0.211	15.663	-0.459	15.676	-0.361	15.688	-0.307	15.699	-0.205
13.016	0.135	13.025	0.037	13.036	-0.052	13.055	-0.185	15.710	-0.062	15.724	0.027	15.727	0.036	15.742	0.156
13.066	-0.261	13.078	-0.337	13.091	-0.444	13.102	-0.524	15.751	0.218	15.763	0.276	15.772	0.361	15.789	0.539
13.117	-0.618	13.125	-0.729	13.131	-0.783	13.137	-0.823	15.805	0.628	15.818	0.713	15.827	0.842	15.841	0.967
13.143	-0.840	13.155	-0.814	13.163	-0.831	13.175	-0.818	15.854	1.074	15.867	1.176	15.879	1.234	15.892	1.266
13.184	-0.782	13.195	-0.724	13.203	-0.662	13.210	-0.595	15.906	1.261	15.921	1.243	15.933	1.252	15.954	1.243
13.223	-0.564	13.235	-0.582	13.248	-0.617	13.258	-0.675	15.972	1.274	15.985	1.288	15.995	1.252	16.008	1.207
13.266	-0.738	13.277	-0.813	13.282	-0.916	13.290	-0.978	16.022	1.185	16.035	1.185	16.052	1.212	16.069	1.229
13.302	-1.045	13.314	-1.121	13.329	-1.121	13.342	-1.090	16.082	1.256	16.098	1.296	16.108	1.309	16.119	1.278
13.358	-1.036	13.367	-0.947	13.379	-0.967	13.391	-0.760	16.135	1.274	16.139	1.225	16.156	1.167	16.167	1.082
13.404	-0.653	13.415	-0.581	13.425	-0.479	13.438	-0.398	16.185	1.024	16.197	0.939	16.206	0.877	16.219	0.841
13.453	-0.332	13.468	-0.265	13.488	-0.193	13.508	-0.144	16.228	0.787	16.242	0.756	16.253	0.792	16.264	0.827
13.524	-0.100	13.538	-0.091	13.549	-0.113	13.560	-0.069	16.275	0.885	16.280	0.930	16.290	0.916	16.317	1.090
13.571	-0.033	13.580	-0.011	13.587	0.016	13.598	0.079	16.332	1.148	16.351	1.197	16.370	1.255	16.390	1.290
13.607	0.030	13.622	0.038	13.640	0.056	13.648	0.096	16.407	1.304	16.428	1.304	16.454	1.317	16.478	1.330
13.655	0.217	13.667	0.315	13.681	0.422	13.687	0.493	16.497	1.321	16.528	1.303	16.550	1.290	16.569	1.285
13.700	0.582	13.715	0.680	13.725	0.747	13.740	0.694	16.593	1.245	16.610	1.201	16.633	1.147	16.661	1.063
13.760	0.631	13.771	0.564	13.785	0.511	13.796	0.391	16.682	0.942	16.703	0.813	16.719	0.697	16.741	0.563
13.809	0.355	13.822	0.355	13.830	0.408	13.841	0.400	16.757	0.456	16.774	0.323	16.791	0.171	16.806	-0.003
13.852	0.368	13.862	0.400	13.878	0.453	13.892	0.462	16.823	-0.150	16.841	-0.293	16.862	-0.444	16.878	-0.524
13.922	0.627	13.931	0.667	13.938	0.645	13.949	0.587	16.895	-0.622	16.910	-0.725	16.926	-0.783	16.940	-0.836
13.960	0.542	13.976	0.395	13.985	0.324	13.990	0.266	16.954	-0.921	16.967	-1.019	16.976	-1.108	16.984	-1.188
14.005	0.230	14.021	0.203	14.042	0.203	14.054	0.274	16.995	-1.255	17.009	-1.335	17.022	-1.416	17.034	-1.518
14.064	0.386	14.076	0.506	14.085	0.613	14.098	0.584	17.041	-1.594	17.052	-1.607	17.060	-1.629	17.071	-1.696
14.116	0.760	14.124	0.826	14.132	0.867	14.143	0.942	17.085	-1.736	17.097	-1.709	17.105	-1.709	17.117	-1.691
14.149	0.982	14.160	0.920	14.172	0.893	14.184	0.799	17.126	-1.673	17.145	-1.669	17.155	-1.629	17.166	-1.624
14.202	0.746	14.221	0.701	14.239	0.679	14.261	0.719	17.182	-1.664	17.193	-1.642	17.206	-1.593	17.217	-1.557
14.274	0.781	14.290	0.843	14.305	0.919	14.311	0.923	17.235	-1.530	17.247	-1.512	17.252	-1.441	17.264	-1.383
14.329	0.914	14.348	0.905	14.364	0.881	14.383	0.869	17.272	-1.325	17.283	-1.325	17.289	-1.369	17.294	-1.405
14.389	0.865	14.396	0.816	14.412	0.771	14.431	0.713	17.303	-1.431	17.310	-1.378	17.316	-1.316	17.320	-1.266
14.452	0.584	14.462	0.494	14.474	0.436	14.486	0.410	17.329	-1.195	17.340	-1.217	17.347	-1.271	17.354	-1.329
14.496	0.343	14.505	0.262	14.514	0.191	14.528	0.124	17.363	-1.364	17.378	-1.351	17.389	-1.342	17.398	-1.364
14.533	0.084	14.545	0.057	14.557	0.026	14.570	-0.010	17.413	-1.391	17.426	-1.368	17.439	-1.328	17.454	-1.288
14.576	-0.046	14.594	-0.077	14.609	-0.082	14.624	-0.091	17.467	-1.288	17.484	-1.297	17.492	-1.288	17.505	-1.306
14.642	-0.096	14.657	-0.105	14.663	-0.131	14.670	-0.194	17.517	-1.288	17.533	-1.297	17.540	-1.337	17.547	-1.368
14.675	-0.243	14.689	-0.261	14.699	-0.306	14.716	-0.377	17.562	-1.364	17.582	-1.297	17.604	-1.235	17.626	-1.151
14.726	-0.440	14.740	-0.515	14.752	-0.569	14.772	-0.627	17.656	-1.066	17.683	-0.991	17.712	-0.839	17.737	-0.702
14.790	-0.690	14.803	-0.730	14.822	-0.770	14.835	-0.748	17.761	-0.595	17.781	-0.421	17.806	-0.283	17.827	-0.123
14.850	-0.762	14.861	-0.793	14.868	-0.846	14.881	-0.847	17.847	0.024	17.864	0.193	17.884	0.376	17.901	0.518
14.888	-0.851	14.900	-0.842	14.914	-0.860	14.932	-0.860	17.922	0.630	17.940	0.723	17.949	0.852	17.961	0.941
14.947	-0.861	14.957	-0.843	14.968	-0.874	14.986	-0.874	17.979	1.039	17.996	1.137	18.013	1.208	18.021	1.346
15.002	-0.879	15.010	-0.870	15.028	-0.883	15.043	-0.866	18.034	1.426	18.048	1.470	18.058	1.492	18.072	1.586
15.052	-0.826	15.062	-0.799	15.076	-0.786	15.090	-0.808	18.081	1.626	18.094	1.683	18.108	1.754	18.122	1.816



18.134	1.839	18.150	1.794	18.170	1.744	18.185	1.677	22.383	1.192	22.397	1.187	22.412	1.187	22.424	1.147
18.207	1.645	18.229	1.632	18.256	1.613	18.276	1.622	22.435	1.147	22.451	1.094	22.467	1.076	22.486	0.964
18.299	1.590	18.317	1.550	18.337	1.509	18.356	1.415	22.499	0.960	22.519	0.817	22.528	0.817	22.550	0.724
18.378	1.370	18.395	1.289	18.412	1.249	18.433	1.231	22.574	0.661	22.602	0.590	22.622	0.545	22.638	0.536
18.448	1.230	18.474	1.239	18.490	1.283	18.516	1.305	22.650	0.483	22.665	0.425	22.676	0.416	22.690	0.358
18.528	1.318	18.543	1.265	18.560	1.175	18.583	1.104	22.711	0.295	22.728	0.242	22.742	0.211	22.762	0.135
18.611	1.032	18.626	0.960	18.649	0.853	18.680	0.732	22.777	0.086	22.793	0.046	22.813	-0.021	22.825	-0.039
18.700	0.612	18.703	0.607	18.728	0.531	18.757	0.442	22.842	-0.075	22.859	-0.106	22.875	-0.120	22.891	-0.124
18.783	0.334	18.805	0.209	18.830	0.084	18.851	-0.068	22.905	-0.120	22.922	-0.115	22.939	-0.097	22.961	-0.120
18.873	-0.202	18.897	-0.336	18.919	-0.466	18.941	-0.613	22.973	-0.129	22.983	-0.155	22.999	-0.222	23.016	-0.267
18.961	-0.751	18.982	-0.899	18.997	-0.988	19.015	-1.073	23.039	-0.370	23.047	-0.383	23.062	-0.454	23.083	-0.459
19.032	-1.113	19.054	-1.114	19.078	-1.118	19.096	-1.172	23.109	-0.508	23.119	-0.522	23.135	-0.575	23.146	-0.615
19.112	-1.221	19.129	-1.257	19.146	-1.262	19.166	-1.298	23.163	-0.700	23.183	-0.789	23.200	-0.856	23.218	-0.914
19.171	-1.374	19.190	-1.423	19.207	-1.419	19.225	-1.397	23.232	-0.954	23.249	-0.986	23.267	-0.968	23.281	-0.986
19.243	-1.335	19.262	-1.295	19.278	-1.250	19.299	-1.228	23.293	-1.026	23.306	-1.022	23.320	-1.071	23.337	-1.156
19.323	-1.206	19.343	-1.189	19.368	-1.194	19.398	-1.198	23.354	-1.227	23.376	-1.303	23.392	-1.339	23.416	-1.383
19.420	-1.172	19.439	-1.137	19.458	-1.074	19.481	-1.039	23.444	-1.348	23.467	-1.339	23.490	-1.285	23.508	-1.241
19.504	-1.057	19.529	-1.089	19.559	-1.120	19.582	-1.152	23.528	-1.183	23.546	-1.130	23.561	-1.076	23.575	-1.009
19.610	-1.068	19.634	-1.037	19.652	-0.979	19.673	-0.908	23.592	-0.951	23.603	-0.907	23.621	-0.853	23.634	-0.809
19.697	-0.855	19.717	-0.753	19.740	-0.659	19.766	-0.548	23.650	-0.769	23.666	-0.711	23.680	-0.662	23.694	-0.604
19.786	-0.504	19.799	-0.451	19.808	-0.437	19.816	-0.460	23.705	-0.546	23.724	-0.484	23.735	-0.403	23.748	-0.341
19.854	-0.313	19.874	-0.291	19.884	-0.175	19.904	-0.028	23.760	-0.279	23.774	-0.216	23.786	-0.172	23.797	-0.127
19.916	0.052	19.933	0.145	19.944	0.247	19.955	0.345	23.820	-0.007	23.834	0.020	23.850	0.069	23.866	0.127
19.974	0.399	19.995	0.452	20.014	0.536	20.027	0.608	23.887	0.216	23.902	0.269	23.913	0.332	23.933	0.425
20.040	0.630	20.055	0.723	20.070	0.799	20.094	0.839	23.953	0.501	23.969	0.581	23.997	0.639	24.013	0.626
20.119	0.879	20.140	0.865	20.168	0.874	20.182	0.954	24.025	0.675	24.037	0.670	24.060	0.684	24.076	0.697
20.197	1.030	20.220	1.092	20.235	1.128	20.255	1.110	24.092	0.728	24.111	0.782	24.130	0.840	24.151	0.893
20.271	1.056	20.310	0.949	20.327	0.895	20.351	0.895	24.170	0.965	24.184	1.040	24.206	1.107	24.222	1.152
20.376	0.935	20.407	0.984	20.455	0.966	20.477	0.934	24.234	1.214	24.252	1.259	24.276	1.308	24.294	1.317
20.503	0.948	20.529	0.974	20.546	1.001	20.565	1.018	24.304	1.312	24.332	1.285	24.352	1.272	24.368	1.290
20.568	1.076	20.579	1.103	20.600	1.111	20.618	1.098	24.385	1.343	24.395	1.375	24.412	1.455	24.432	1.499
20.631	1.062	20.651	1.008	20.665	0.972	20.683	0.901	24.432	1.499	24.470	1.477	24.480	1.459	24.501	1.392
20.714	0.865	20.736	0.851	20.754	0.811	20.784	0.704	24.519	1.375	24.540	1.303	24.551	1.285	24.563	1.245
20.799	0.619	20.813	0.587	20.828	0.503	20.846	0.400	24.581	1.183	24.596	1.134	24.618	1.058	24.637	1.009
20.861	0.342	20.879	0.230	20.891	0.168	20.902	0.083	24.653	0.951	24.670	0.889	24.683	0.849	24.702	0.773
20.914	0.047	20.944	-0.118	20.970	-0.248	20.983	-0.293	24.717	0.697	24.728	0.657	24.741	0.608	24.751	0.541
20.997	-0.373	21.012	-0.502	21.030	-0.578	21.060	-0.748	24.762	0.496	24.774	0.439	24.792	0.363	24.808	0.291
21.073	-0.860	21.088	-0.869	21.108	-0.940	21.122	-0.914	24.822	0.265	24.838	0.229	24.853	0.162	24.868	0.126
21.133	-0.945	21.150	-0.910	21.176	-0.972	21.204	-1.120	24.884	0.046	24.897	-0.012	24.914	-0.096	24.930	-0.171
21.221	-1.222	21.243	-1.303	21.256	-1.321	21.266	-1.343	24.941	-0.257	24.956	-0.328	24.970	-0.399	24.986	-0.453
21.283	-1.294	21.308	-1.179	21.323	-1.130	21.342	-1.063	25.002	-0.489	25.020	-0.516	25.039	-0.529	25.059	-0.560
21.374	-0.979	21.403	-0.926	21.428	-0.841	21.445	-0.841	25.069	-0.574	25.079	-0.623	25.091	-0.645	25.105	-0.721
21.473	-0.784	21.499	-0.793	21.525	-0.730	21.546	-0.708	25.118	-0.775	25.135	-0.833	25.151	-0.922	25.165	-0.944
21.558	-0.711	21.586	-0.583	21.608	-0.517	21.635	-0.517	25.177	-0.984	25.193	-1.029	25.208	-1.051	25.233	-1.078
21.650	-0.503	21.672	-0.543	21.682	-0.570	21.697	-0.552	25.249	-1.118	25.274	-1.172	25.287	-1.208	25.307	-1.292
21.708	-0.574	21.730	-0.521	21.748	-0.534	21.770	-0.485	25.322	-1.337	25.337	-1.408	25.360	-1.449	25.376	-1.489
21.789	-0.427	21.808	-0.450	21.835	-0.396	21.852	-0.352	25.399	-1.507	25.423	-1.525	25.448	-1.538	25.468	-1.552
21.872	-0.360	21.890	-0.294	21.907	-0.258	21.923	-0.204	25.487	-1.565	25.510	-1.570	25.538	-1.539	25.552	-1.503
21.936	-0.142	21.950	-0.066	21.976	-0.059	21.993	-0.099	25.570	-1.472	25.580	-1.423	25.597	-1.361	25.614	-1.316
22.016	0.197	22.031	0.250	22.049	0.299	22.057	0.290	25.627	-1.267	25.640	-1.237	25.659	-1.165	25.677	-1.116
22.068	0.357	22.085	0.402	22.097	0.460	22.113	0.522	25.694	-1.071	25.708	-1.018	25.728	-0.964	25.745	-0.893
22.130	0.594	22.145	0.647	22.153	0.714	22.164	0.736	25.763	-0.831	25.779	-0.751	25.797	-0.675	25.808	-0.644
22.178	0.826	22.188	0.844	22.202	0.937	22.222	1.026	25.819	-0.582	25.831	-0.515	25.847	-0.448	25.863	-0.390
22.230	1.026	22.243	1.071	22.258	1.089	22.265	1.089	25.880	-0.337	25.897	-0.283	25.918	-0.203	25.927	-0.194
22.276	1.129	22.285	1.107	22.300	1.174	22.306	1.147	25.937	-0.127	25.951	-0.074	25.970	-0.011	25.986	0.077
22.323	1.191	22.336	1.192	22.357	1.200	22.372	1.201	26.006	0.144	26.029	0.243	26.047	0.309	26.060	0.350



26.078	0.430	26.095	0.488	26.116	0.541	26.132	0.586	29.835	-0.832	29.851	-0.783	29.872	-0.712	29.892	-0.645
26.150	0.622	26.166	0.697	26.177	0.738	26.190	0.791	29.914	-0.578	29.930	-0.516	29.946	-0.463	29.962	-0.414
26.209	0.871	26.225	0.947	26.233	1.005	26.262	1.068	29.982	-0.365	30.002	-0.321	30.019	-0.263	30.043	-0.241
26.272	1.108	26.291	1.121	26.303	1.166	26.313	1.251	30.067	-0.202	30.092	-0.162	30.113	-0.096	30.125	-0.056
26.326	1.291	26.337	1.313	26.360	1.367	26.388	1.442	30.140	0.020	30.160	0.086	30.177	0.153	30.195	0.188
26.398	1.425	26.427	1.425	26.444	1.420	26.444	1.425	30.214	0.219	30.237	0.241	30.258	0.303	30.274	0.333
26.462	1.443	26.482	1.478	26.506	1.496	26.521	1.527	30.299	0.391	30.322	0.471	30.355	0.524	30.377	0.539
26.533	1.558	26.547	1.558	26.562	1.558	26.591	1.509	30.393	0.590	30.412	0.647	30.433	0.638	30.440	0.722
26.606	1.473	26.627	1.442	26.644	1.366	26.664	1.304	30.462	0.758	30.480	0.824	30.509	0.877	30.521	0.929
26.686	1.063	26.700	1.223	26.718	1.183	26.738	1.129	30.539	0.903	30.547	0.903	30.563	0.934	30.571	0.939
26.757	1.276	26.772	1.018	26.792	0.955	26.812	0.884	30.585	0.969	30.595	0.978	30.611	1.000	30.622	1.031
26.831	0.835	26.851	0.763	26.877	0.661	26.886	0.621	30.645	1.026	30.660	1.030	30.684	1.030	30.701	1.038
26.901	0.558	26.923	0.469	26.937	0.415	26.952	0.326	30.724	1.047	30.733	1.046	30.755	0.933	30.836	0.888
26.971	0.259	26.991	0.197	27.010	0.111	27.029	0.026	30.784	0.987	30.796	0.965	30.817	0.933	30.836	0.888
27.049	-0.045	27.070	-0.108	27.093	-0.171	27.112	-0.220	30.857	0.866	30.883	0.829	30.911	0.758	30.936	0.690
27.125	-0.265	27.139	-0.332	27.152	-0.364	27.160	-0.399	30.951	0.641	30.971	0.569	30.989	0.520	31.007	0.462
27.172	-0.422	27.186	-0.498	27.206	-0.565	27.216	-0.628	31.020	0.421	31.043	0.381	31.066	0.340	31.083	0.300
27.230	-0.619	27.243	-0.704	27.262	-0.744	27.280	-0.843	31.102	0.259	31.126	0.219	31.144	0.152	31.166	0.107
27.290	-0.847	27.301	-0.923	27.320	-0.946	27.345	-1.076	31.181	0.075	31.199	0.021	31.228	-0.015	31.248	-0.086
27.366	-1.143	27.392	-1.206	27.418	-1.246	27.441	-1.274	31.265	-0.145	31.284	-0.189	31.303	-0.243	31.321	-0.302
27.455	-1.314	27.471	-1.350	27.490	-1.372	27.507	-1.400	31.341	-0.342	31.352	-0.373	31.369	-0.414	31.394	-0.454
27.525	-1.444	27.536	-1.485	27.547	-1.480	27.563	-1.494	31.405	-0.468	31.429	-0.486	31.445	-0.540	31.463	-0.607
27.585	-1.494	27.600	-1.481	27.612	-1.446	27.631	-1.402	31.478	-0.639	31.492	-0.692	31.514	-0.778	31.532	-0.845
27.656	-1.340	27.672	-1.291	27.685	-1.264	27.700	-1.211	31.542	-0.890	31.557	-0.986	31.579	-1.009	31.605	-0.950
27.722	-1.163	27.744	-1.105	27.767	-1.043	27.782	-0.967	31.611	-0.950	31.630	-0.986	31.644	-1.009	31.664	-1.058
27.797	-0.914	27.810	-0.870	27.831	-0.839	27.846	-0.768	31.681	-1.081	31.700	-1.077	31.721	-1.104	31.741	-1.105
27.861	-0.715	27.883	-0.666	27.894	-0.599	27.910	-0.546	31.761	-1.114	31.782	-1.097	31.806	-1.089	31.828	-1.058
27.925	-0.493	27.945	-0.440	27.970	-0.378	27.987	-0.302	31.848	-1.023	31.875	-0.970	31.902	-0.917	31.921	-0.873
28.006	-0.258	28.025	-0.191	28.041	-0.125	28.064	-0.053	31.939	-0.833	31.955	-0.802	31.972	-0.784	31.987	-0.762
28.084	0.013	28.103	0.084	28.126	0.169	28.143	0.249	32.005	-0.740	32.037	-0.691	32.037	-0.651	32.056	-0.575
28.160	0.320	28.175	0.378	28.190	0.391	28.200	0.440	32.074	-0.481	32.090	-0.418	32.106	-0.360	32.126	-0.316
28.216	0.475	28.231	0.542	28.243	0.591	28.257	0.649	32.137	-0.284	32.159	-0.253	32.173	-0.235	32.196	-0.195
28.269	0.707	28.281	0.724	28.296	0.791	28.313	0.858	32.271	-0.164	32.282	-0.132	32.295	-0.092	32.316	-0.056
28.326	0.902	28.336	0.951	28.350	1.009	28.359	1.064	32.331	0.145	32.351	0.207	32.373	0.256	32.394	0.314
28.369	1.067	28.379	1.062	28.390	1.129	28.397	1.184	32.411	0.355	32.427	0.399	32.447	0.444	32.466	0.489
28.405	1.164	28.417	1.222	28.427	1.222	28.437	1.253	32.483	0.535	32.497	0.533	32.513	0.565	32.530	0.601
28.447	1.231	28.460	1.248	28.485	1.293	28.492	1.270	32.538	0.618	32.546	0.627	32.568	0.690	32.577	0.717
28.503	1.301	28.518	1.310	28.529	1.332	28.542	1.314	32.590	0.726	32.606	0.762	32.619	0.789	32.630	0.807
28.556	1.319	28.565	1.310	28.580	1.301	28.597	1.260	32.644	0.820	32.655	0.820	32.665	0.829	32.676	0.834
28.616	1.229	28.641	1.211	28.657	1.184	28.673	1.148	32.690	0.852	32.705	0.874	32.720	0.901	32.733	0.919
28.697	1.112	28.713	1.081	28.733	1.027	28.754	0.983	32.746	0.932	32.767	0.937	32.787	0.937	32.800	0.933
28.770	0.920	28.790	0.866	28.812	0.813	28.828	0.737	32.814	0.924	32.838	0.906	32.855	0.889	32.869	0.884
28.844	0.683	28.860	0.638	28.877	0.589	28.896	0.527	32.885	0.871	32.899	0.862	32.915	0.858	32.930	0.854
28.915	0.459	28.930	0.433	28.952	0.388	28.972	0.352	32.946	0.854	32.961	0.850	32.977	0.832	33.002	0.784
28.986	0.334	29.015	0.271	29.031	0.218	29.049	0.142	33.029	0.735	33.051	0.687	33.070	0.642	33.087	0.607
29.071	0.066	29.090	-0.014	29.108	-0.086	29.131	-0.162	33.106	0.567	33.136	0.523	33.159	0.475	33.182	0.417
29.151	-0.198	29.168	-0.229	29.193	-0.274	29.205	-0.265	33.203	0.364	33.221	0.316	33.240	0.271	33.259	0.218
29.210	-0.310	29.237	-0.368	29.252	-0.430	29.270	-0.502	33.277	0.174	33.300	0.117	33.319	0.059	33.336	0.010
29.293	-0.569	29.306	-0.622	29.325	-0.649	29.345	-0.689	33.348	-0.025	33.369	-0.083	33.388	-0.136	33.406	-0.193
29.353	-0.681	29.367	-0.730	29.388	-0.774	29.403	-0.837	33.421	-0.242	33.438	-0.286	33.453	-0.317	33.469	-0.330
29.426	-0.917	29.446	-1.002	29.465	-1.002	29.473	-1.016	33.485	-0.348	33.498	-0.379	33.510	-0.405	33.524	-0.445
29.488	-1.016	29.502	-1.016	29.518	-1.021	29.533	-1.021	33.543	-0.489	33.556	-0.533	33.572	-0.586	33.583	-0.631
29.548	-1.034	29.573	-1.057	29.590	-1.101	29.602	-1.124	33.598	-0.626	33.613	-0.692	33.628	-0.696	33.648	-0.736
29.618	-1.151	29.638	-1.173	29.659	-1.160	29.680	-1.123	33.666	-0.780	33.677	-0.784	33.690	-0.815	33.700	-0.815
29.697	-1.093	29.714	-1.045	29.731	-1.036	29.753	-1.033	33.715	-0.846	33.730	-0.850	33.743	-0.868	33.755	-0.858
29.774	-0.983	29.790	-0.952	29.813	-0.889	29.824	-0.849								



33.770	-0.876	33.789	-0.866	33.808	-0.870	33.826	-0.874	38.725	0.417	38.740	0.439	38.761	0.444	38.789	0.430
33.844	-0.865	33.856	-0.883	33.871	-0.873	33.885	-0.864	38.805	0.438	38.817	0.434	38.845	0.469	38.872	0.513
33.902	-0.864	33.921	-0.863	33.939	-0.854	33.959	-0.860	38.898	0.544	38.918	0.580	38.951	0.610	38.964	0.619
33.987	-0.822	34.017	-0.763	34.036	-0.727	34.062	-0.691	38.988	0.610	39.013	0.610	39.036	0.614	39.055	0.610
34.079	-0.664	34.112	-0.597	34.137	-0.539	34.174	-0.458	39.083	0.596	39.105	0.583	39.121	0.574	39.147	0.578
34.194	-0.422	34.215	-0.391	34.237	-0.372	34.268	-0.356	39.168	0.587	39.186	0.582	39.201	0.573	39.216	0.551
34.294	-0.242	34.320	-0.184	34.350	-0.104	34.376	-0.036	39.242	0.493	39.265	0.444	39.288	0.408	39.306	0.386
34.396	-0.009	34.417	0.053	34.445	0.112	34.470	0.179	39.334	0.372	39.354	0.359	39.375	0.350	39.395	0.323
34.495	0.250	34.518	0.313	34.550	0.384	34.565	0.424	39.420	0.292	39.439	0.247	39.458	0.211	39.481	0.167
34.591	0.433	34.614	0.473	34.641	0.514	34.662	0.545	39.503	0.113	39.522	0.086	39.546	0.046	39.573	0.006
34.679	0.576	34.693	0.625	34.732	0.661	34.756	0.723	39.599	-0.043	39.624	-0.097	39.644	-0.132	39.677	-0.213
34.776	0.759	34.798	0.759	34.817	0.768	34.843	0.759	39.694	-0.248	39.721	-0.289	39.756	-0.333	39.785	-0.351
34.870	0.764	34.907	0.746	34.949	0.742	34.981	0.742	39.807	-0.382	39.833	-0.427	39.847	-0.423	39.875	-0.494
35.007	0.710	35.040	0.679	35.063	0.639	35.096	0.626	39.900	-0.548	39.913	-0.548	39.937	-0.579	39.953	-0.592
35.120	0.581	35.149	0.554	35.170	0.528	35.187	0.510	39.979	-0.583	40.010	-0.557	40.032	-0.571	40.052	-0.571
35.204	0.501	35.230	0.474	35.249	0.421	35.272	0.372	40.078	-0.571	40.100	-0.589	40.134	-0.612	40.149	-0.594
35.297	0.332	35.317	0.278	35.343	0.225	35.374	0.167	40.190	-0.559	40.220	-0.523	40.241	-0.501	40.264	-0.479
35.399	0.087	35.427	0.024	35.459	-0.038	35.482	-0.056	40.293	-0.453	40.326	-0.422	40.353	-0.377	40.385	-0.333
35.495	-0.079	35.512	-0.132	35.532	-0.168	35.546	-0.221	40.410	-0.289	40.547	-0.139	40.572	-0.086	40.598	-0.024
35.560	-0.293	35.575	-0.355	35.590	-0.426	35.602	-0.462	40.519	-0.174	40.644	0.060	40.666	0.091	40.691	0.117
35.620	-0.479	35.638	-0.475	35.657	-0.470	35.679	-0.470	40.618	0.025	40.748	0.188	40.768	0.228	40.794	0.285
35.690	-0.475	35.713	-0.577	35.739	-0.671	35.753	-0.738	40.721	0.153	40.844	0.391	40.865	0.422	40.882	0.435
35.765	-0.724	35.776	-0.769	35.794	-0.746	35.806	-0.711	40.819	0.343	40.921	0.448	40.948	0.474	40.961	0.488
35.819	-0.706	35.835	-0.671	35.851	-0.666	35.874	-0.697	40.900	0.435	40.921	0.448	40.948	0.474	40.961	0.488
35.885	-0.703	35.901	-0.742	35.917	-0.773	35.936	-0.764	40.979	0.523	41.002	0.549	41.028	0.567	41.054	0.584
35.969	-0.706	35.994	-0.661	36.012	-0.643	36.033	-0.656	41.081	0.575	41.111	0.575	41.141	0.574	41.168	0.574
36.052	-0.673	36.070	-0.682	36.090	-0.664	36.121	-0.610	41.192	0.560	41.212	0.547	41.228	0.515	41.254	0.484
36.146	-0.525	36.171	-0.475	36.196	-0.439	36.217	-0.421	41.280	0.439	41.301	0.412	41.321	0.385	41.354	0.358
36.240	-0.416	36.261	-0.416	36.284	-0.393	36.311	-0.340	41.385	0.339	41.409	0.317	41.423	0.294	41.454	0.227
36.334	-0.299	36.355	-0.259	36.379	-0.214	36.399	-0.169	41.432	0.182	41.508	0.128	41.538	0.097	41.561	0.070
36.420	-0.115	36.442	-0.039	36.468	-0.028	36.498	0.110	41.591	0.038	41.616	-0.002	41.640	-0.056	41.655	-0.101
36.512	0.150	36.542	0.195	36.568	0.245	36.595	0.300	41.678	-0.146	41.701	-0.186	41.719	-0.217	41.742	-0.240
36.619	0.358	36.648	0.435	36.669	0.449	36.702	0.508	41.760	-0.271	41.782	-0.312	41.803	-0.352	41.833	-0.406
36.721	0.517	36.730	0.509	36.746	0.571	36.791	0.640	41.858	-0.437	41.883	-0.478	41.908	-0.505	41.931	-0.523
36.811	0.703	36.828	0.725	36.853	0.695	36.889	0.638	41.954	-0.523	41.977	-0.537	41.990	-0.541	42.020	-0.564
36.906	0.612	36.932	0.621	36.955	0.644	36.978	0.636	42.046	-0.583	42.063	-0.592	42.084	-0.588	42.105	-0.579
37.007	0.623	37.031	0.606	37.060	0.580	37.090	0.554	42.124	-0.562	42.144	-0.554	42.168	-0.532	42.189	-0.519
37.121	0.528	37.145	0.502	37.166	0.462	37.194	0.410	42.204	-0.519	42.224	-0.528	42.248	-0.516	42.273	-0.494
37.216	0.366	37.231	0.344	37.248	0.362	37.266	0.376	42.310	-0.428	42.334	-0.388	42.357	-0.357	42.380	-0.327
37.283	0.367	37.301	0.350	37.318	0.306	37.343	0.204	42.402	-0.318	42.418	-0.310	42.441	-0.279	42.472	-0.226
37.363	0.124	37.382	0.058	37.407	0.009	37.427	0.001	42.495	-0.182	42.513	-0.147	42.528	-0.138	42.551	-0.125
37.447	0.001	37.465	-0.007	37.490	-0.052	37.510	-0.109	42.575	-0.104	42.612	-0.033	42.647	0.042	42.670	0.073
37.534	-0.185	37.556	-0.220	37.581	-0.256	37.610	-0.291	42.700	0.112	42.736	0.165	42.769	0.240	42.803	0.320
37.641	-0.318	37.668	-0.358	37.695	-0.364	37.718	-0.415	42.829	0.364	42.867	0.404	42.900	0.453	42.933	0.489
37.739	-0.442	37.772	-0.481	37.792	-0.512	37.814	-0.539	42.960	0.515	42.984	0.547	43.008	0.552	43.026	0.565
37.835	-0.583	37.854	-0.592	37.873	-0.610	37.895	-0.632	43.057	0.430	43.095	0.520	43.126	0.522	43.158	0.500
37.917	-0.641	37.940	-0.645	37.960	-0.654	37.980	-0.658	43.190	0.469	43.229	0.420	43.265	0.380	43.289	0.354
37.996	-0.663	38.010	-0.663	38.030	-0.645	38.054	-0.623	43.313	0.318	43.330	0.296	43.357	0.251	43.374	0.229
38.075	-0.628	38.088	-0.628	38.111	-0.610	38.128	-0.602	43.388	0.211	43.430	0.176				
38.153	-0.575	38.186	-0.508	38.203	-0.477	38.221	-0.442								
38.236	-0.411	38.251	-0.393	38.272	-0.380	38.296	-0.371								
38.314	-0.358	38.331	-0.345	38.351	-0.300	38.370	-0.247								
38.393	-0.176	38.411	-0.127	38.432	-0.096	38.447	-0.078								
38.473	-0.070	38.492	-0.057	38.514	-0.012	38.539	0.063								
38.559	0.121	38.577	0.152	38.593	0.174	38.615	0.191								
38.633	0.200	38.655	0.227	38.681	0.284	38.703	0.364								



IH 123

71.082 2/9/71 0600PST ALHAMBRA, 900 S. FREMONT 12TH FL. DOWN

3655 POINTS 43.392 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 0.2792 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.029	0.001	0.029	0.002	0.029	0.017	-0.227	1.740	0.198	1.756	0.098	1.769	0.107	1.783	0.228
0.031	-0.270	0.040	-0.136	0.043	-0.037	0.051	-0.041	1.795	0.150	1.811	-0.102	1.823	-0.210	1.832	-0.188
0.064	0.115	0.082	0.184	0.092	0.054	0.097	-0.067	1.844	0.084	1.860	0.301	1.881	0.079	1.895	-0.090
0.101	-0.150	0.113	-0.241	0.122	-0.154	0.130	0.015	1.904	-0.103	1.920	0.105	1.938	0.183	1.955	0.230
0.136	0.175	0.142	0.313	0.157	0.422	0.168	0.348	1.971	0.087	1.986	-0.051	2.005	-0.281	2.018	-0.138
0.176	0.274	0.189	0.348	0.203	0.430	0.216	0.317	2.032	0.013	2.050	-0.086	2.068	-0.229	2.084	-0.056
0.225	0.196	0.223	0.092	0.242	-0.099	0.254	-0.289	2.091	0.117	2.104	0.290	2.117	0.377	2.142	0.334
0.267	-0.436	0.282	-0.350	0.291	-0.207	0.299	-0.047	2.160	0.104	2.175	-0.112	2.187	0.108	2.196	0.290
0.309	0.087	0.318	0.230	0.331	0.299	0.343	0.226	2.215	0.502	2.229	0.308	2.245	-0.009	2.269	-0.052
0.352	0.074	0.363	-0.052	0.377	0.030	0.392	0.035	2.288	-0.095	2.300	-0.113	2.315	0.043	2.323	0.047
0.406	0.143	0.413	0.164	0.421	0.281	0.432	0.441	2.340	-0.117	2.351	-0.260	2.360	-0.273	2.377	0.095
0.442	0.563	0.458	0.298	0.467	0.091	0.474	-0.039	2.386	0.424	2.402	0.788	2.414	0.541	2.423	0.277
0.480	-0.221	0.486	-0.338	0.492	-0.386	0.507	-0.347	2.433	0.039	2.445	-0.065	2.461	0.039	2.468	0.109
0.514	-0.261	0.528	-0.352	0.546	-0.352	0.566	-0.183	2.482	0.052	2.495	0.052	2.509	0.017	2.521	-0.169
0.577	-0.014	0.588	0.163	0.600	0.276	0.612	0.380	2.539	-0.295	2.560	-0.052	2.581	0.259	2.593	0.142
0.624	0.445	0.633	0.531	0.650	0.397	0.660	0.288	2.602	-0.139	2.611	-0.338	2.629	-0.503	2.647	-0.204
0.668	0.197	0.677	0.141	0.685	0.288	0.688	0.414	2.656	0.151	2.667	0.355	2.683	0.316	2.708	0.316
0.695	0.362	0.707	0.418	0.715	0.227	0.719	0.020	2.723	0.095	2.737	-0.057	2.753	-0.026	2.773	0.229
0.727	-0.128	0.742	-0.401	0.749	-0.236	0.762	-0.124	2.786	0.086	2.798	-0.187	2.809	-0.230	2.837	-0.100
0.777	-0.401	0.791	-0.678	0.808	-0.379	0.816	-0.124	2.852	0.069	2.881	0.017	2.893	0.077	2.908	0.164
0.822	0.166	0.829	0.322	0.841	0.175	0.849	0.053	2.922	-0.052	2.932	-0.256	2.938	-0.256	2.954	-0.065
0.858	0.291	0.867	0.543	0.884	0.937	0.895	1.136	2.963	0.173	2.980	0.285	2.995	0.151	3.017	0.068
0.911	-0.776	0.916	0.417	0.928	0.018	0.941	-0.324	3.033	-0.092	3.049	-0.200	3.066	0.029	3.076	0.241
0.950	-0.627	0.960	-0.852	0.975	-0.662	0.993	-0.403	3.088	0.354	3.104	0.262	3.116	0.050	3.132	-0.171
1.006	-0.294	1.033	-0.321	1.041	-0.221	1.051	-0.191	3.148	0.037	3.158	0.275	3.166	0.504	3.175	0.665
1.064	0.086	1.070	0.250	1.079	0.328	1.089	0.375	3.193	0.448	3.202	0.309	3.220	0.201	3.238	0.092
1.103	0.548	1.111	0.583	1.121	0.392	1.131	0.206	3.252	0.092	3.267	-0.033	3.276	0.006	3.285	-0.012
1.140	0.474	1.152	0.829	1.159	0.764	1.169	0.833	3.294	0.010	3.310	-0.255	3.317	-0.380	3.326	-0.445
1.183	0.617	1.190	0.435	1.196	0.348	1.202	0.075	3.337	-0.341	3.346	-0.069	3.354	0.109	3.369	0.230
1.206	-0.051	1.211	-0.051	1.228	-0.181	1.243	-0.367	3.385	0.182	3.401	0.117	3.424	0.112	3.433	-0.000
1.252	-0.363	1.267	-0.498	1.278	-0.658	1.284	-0.797	3.444	-0.096	3.460	0.125	3.475	0.341	3.494	0.142
1.294	-0.862	1.309	-0.693	1.323	-0.247	1.334	-0.014	3.503	-0.027	3.512	-0.079	3.524	-0.066	3.550	0.119
1.347	0.596	1.360	0.345	1.367	0.354	1.377	0.492	3.569	-0.020	3.581	0.002	3.599	0.244	3.618	0.023
1.387	0.587	1.397	0.587	1.406	0.414	1.420	0.375	3.635	-0.172	3.653	0.126	3.662	0.464	3.678	0.749
1.426	0.422	1.436	0.375	1.443	0.266	1.460	0.184	3.690	0.481	3.698	0.164	3.706	-0.013	3.715	-0.113
1.478	0.287	1.485	0.266	1.494	0.361	1.515	0.179	3.720	-0.226	3.736	-0.265	3.749	-0.209	3.756	-0.079
1.525	-0.107	1.541	-0.263	1.557	-0.207	1.575	-0.337	3.766	0.029	3.776	0.107	3.788	-0.088	3.803	-0.270
1.586	-0.407	1.604	-0.238	1.620	0.039	1.631	0.091	3.823	-0.318	3.835	-0.093	3.846	0.084	3.866	0.226
1.644	0.329	1.656	0.433	1.673	0.502	1.686	0.250	3.882	0.135	3.906	0.087	3.920	0.165	3.939	0.143
1.694	0.017	1.704	-0.161	1.716	-0.166	1.730	0.033	3.953	0.086	3.981	0.320	4.002	0.077	4.011	-0.139



4.022	-0.269	4.048	-0.278	4.065	-0.110	4.079	-0.071	6.619	-0.317	6.530	-0.074	6.634	0.116	6.640	0.164
4.097	0.202	4.104	0.301	4.120	0.345	4.139	0.189	6.648	0.103	6.659	-0.022	6.664	0.017	6.674	-0.117
4.156	0.357	4.171	0.426	4.185	0.071	4.192	-0.206	6.685	-0.304	6.696	-0.070	6.699	0.199	6.705	0.259
4.209	-0.552	4.220	-0.509	4.231	-0.237	4.243	0.036	6.715	-0.272	6.725	0.389	6.728	0.199	6.735	0.532
4.257	0.058	4.267	0.196	4.281	0.339	4.302	0.148	6.765	0.350	6.771	0.324	6.780	0.199	6.788	0.103
4.318	-0.060	4.336	0.139	4.347	0.156	4.366	0.308	6.800	0.207	6.811	0.103	6.822	0.069	6.838	-0.360
4.380	0.191	4.397	0.121	4.416	0.022	4.424	-0.056	6.851	-0.806	6.861	-1.083	6.877	-0.745	6.891	-0.174
4.437	0.099	4.448	0.394	4.460	0.567	4.471	0.415	6.901	-0.806	6.908	0.853	6.916	1.065	6.928	0.593
4.477	0.169	4.489	-0.117	4.508	0.247	4.522	-0.108	6.939	0.125	6.948	-0.234	6.958	-0.412	6.976	-0.109
4.535	-0.165	4.557	0.507	4.570	0.373	4.582	0.182	6.984	0.082	7.004	0.532	7.015	0.766	7.027	0.921
4.593	-0.030	4.602	-0.242	4.616	-0.337	4.636	-0.164	7.035	-0.904	7.048	0.466	7.057	0.098	7.064	-0.153
4.650	-0.038	4.662	-0.163	4.671	-0.198	4.683	-0.085	7.068	0.218	7.078	-0.538	7.085	-0.694	7.094	-0.720
4.704	0.157	4.719	0.093	4.741	-0.154	4.757	-0.037	7.105	-0.859	7.116	-1.115	7.127	-0.855	7.133	-0.625
4.768	0.128	4.777	0.448	4.792	0.751	4.803	0.570	7.141	-0.543	7.150	-0.076	7.160	0.500	7.168	1.033
4.809	0.301	4.815	0.094	4.822	-0.084	4.826	-0.279	7.176	1.236	7.192	0.825	7.199	0.405	7.203	0.136
4.839	-0.500	4.845	-0.543	4.858	-0.287	4.865	-0.084	7.209	0.062	7.216	-0.137	7.228	-0.289	7.243	0.192
4.874	0.038	4.898	-0.183	4.916	-0.183	4.927	-0.261	7.251	0.712	7.256	1.127	7.263	1.257	7.276	0.932
4.939	-0.152	4.949	0.069	4.960	0.281	4.970	0.502	7.283	0.707	7.292	0.512	7.308	0.408	7.320	0.520
4.979	0.870	4.994	1.044	5.005	0.966	5.016	0.581	7.339	0.468	7.337	0.269	7.344	0.061	7.349	-0.155
5.027	0.364	5.035	0.222	5.050	0.036	5.058	0.031	7.358	-0.532	7.366	-0.896	7.374	-1.138	7.386	-1.351
5.065	-0.055	5.076	0.023	5.090	0.145	5.108	0.348	7.392	-1.320	7.402	-1.585	7.413	-1.819	7.425	-1.451
5.117	0.240	5.129	-0.227	5.138	-0.608	5.153	-0.881	7.435	-1.044	7.445	-0.533	7.454	0.039	7.457	0.607
5.169	-0.677	5.192	-0.378	5.208	-0.455	5.224	-0.494	7.463	0.684	7.472	0.835	7.486	0.532	7.493	0.311
5.240	-0.178	5.251	0.191	5.260	0.386	5.277	0.455	7.504	0.237	7.513	0.345	7.519	0.695	7.529	0.946
5.285	0.442	5.301	0.555	5.316	0.664	5.329	0.564	7.540	0.781	7.550	0.578	7.561	0.525	7.570	0.365
5.337	0.465	5.344	0.322	5.355	0.257	5.368	0.232	7.576	0.460	7.586	0.421	7.595	0.494	7.604	0.464
5.379	0.189	5.394	0.089	5.405	-0.032	5.414	-0.149	7.612	0.346	7.622	0.260	7.622	0.260	7.632	0.047
5.421	-0.079	5.435	-0.183	5.456	-0.200	5.464	-0.174	7.638	-0.408	7.643	-0.655	7.651	-0.871	7.657	-0.997
5.480	-0.065	5.493	0.134	5.505	0.286	5.516	0.420	7.666	-1.010	7.673	-1.123	7.681	-1.244	7.689	-1.180
5.524	0.416	5.541	0.191	5.548	0.000	5.555	-0.008	7.705	-0.678	7.716	-0.241	7.723	0.205	7.731	0.569
5.566	0.138	5.569	-0.216	5.579	-0.229	5.586	-0.077	7.737	0.768	7.741	0.841	7.750	0.850	7.755	0.750
5.589	0.113	5.602	0.170	5.613	0.200	5.623	0.131	7.767	0.897	7.774	0.819	7.780	0.715	7.788	0.550
5.632	0.196	5.641	0.148	5.656	0.356	5.671	0.534	7.803	0.731	7.809	0.610	7.816	0.514	7.820	0.203
5.684	0.439	5.692	0.261	5.697	0.071	5.710	-0.197	7.839	0.146	7.848	0.050	7.856	-0.292	7.864	-0.409
5.729	-0.184	5.747	-0.331	5.759	-0.119	5.770	0.188	7.872	-0.522	7.882	-0.401	7.897	-0.349	7.908	-0.397
5.774	0.314	5.791	0.587	5.800	0.492	5.809	0.241	7.918	-0.207	7.935	-0.060	7.940	-0.238	7.943	-0.316
5.812	0.011	5.818	-0.158	5.823	-0.322	5.834	-0.495	7.969	-0.481	7.953	-0.533	7.967	-0.351	7.977	0.008
5.853	-0.365	5.862	-0.556	5.874	-0.746	5.883	-0.863	7.998	0.458	7.994	1.016	8.000	1.323	8.006	1.436
5.899	-0.603	5.905	-0.200	5.910	0.207	5.916	0.649	8.015	1.418	8.029	1.140	8.040	0.811	8.049	0.672
5.919	0.965	5.925	1.177	5.932	1.147	5.938	0.930	8.061	0.871	8.071	1.009	8.081	0.714	8.090	0.220
5.945	0.714	5.957	0.597	5.969	0.658	5.978	0.601	8.101	-0.265	8.110	-0.608	8.116	-0.924	8.128	-1.267
5.988	0.788	5.999	0.610	6.004	0.303	6.007	0.095	8.132	-1.441	8.169	-0.983	8.176	-0.684	8.189	-0.537
6.016	-0.096	6.030	-0.390	6.042	-0.334	6.057	-0.256	8.202	-0.395	8.215	-0.460	8.227	-0.205	8.238	0.006
6.069	-0.468	6.078	-0.702	6.090	-0.866	6.098	-0.866	8.247	0.041	8.260	0.404	8.274	0.667	8.288	0.572
6.107	-0.888	6.126	-0.555	6.132	-0.347	6.143	-0.204	8.297	0.041	8.303	0.956	8.310	0.930	8.315	0.995
6.151	-0.078	6.160	0.212	6.172	0.480	6.183	0.770	8.323	1.120	8.331	1.090	8.342	1.124	8.349	1.041
6.194	0.926	6.207	1.147	6.216	1.065	6.228	1.134	8.358	0.612	8.367	1.030	8.372	1.070	8.381	0.239
6.236	1.229	6.249	1.177	6.259	1.021	6.269	0.675	8.390	0.083	8.396	-0.242	8.408	-0.581	8.413	-0.386
6.278	0.277	6.284	-0.130	6.287	-0.412	6.297	-0.737	8.422	-0.235	8.434	-0.640	8.441	-0.599	8.452	-0.816
6.305	-0.988	6.312	-1.092	6.329	-0.737	6.337	-0.490	8.462	-0.886	8.471	-0.683	8.484	-0.298	8.494	0.313
6.347	-0.226	6.355	0.047	6.367	0.199	6.382	0.090	8.503	0.776	8.510	0.888	8.517	0.836	8.525	0.970
6.396	-0.221	6.408	-0.446	6.415	-0.537	6.432	-0.407	8.536	0.606	8.537	0.238	8.542	0.047	8.549	-0.248
6.450	-0.165	6.461	0.017	6.476	0.064	6.480	0.108	8.557	-0.001	8.563	0.228	8.576	0.072	8.587	0.227
6.497	0.125	6.511	0.307	6.532	0.485	6.546	0.376	8.595	0.171	8.604	0.062	8.616	-0.211	8.633	-0.528
6.556	0.164	6.564	0.337	6.574	0.225	6.580	-0.013	8.645	-0.472	8.656	-0.606	8.662	-0.732	8.671	-0.702
6.588	-0.269	6.598	-0.200	6.603	-0.226	6.610	-0.213	8.679	-0.529	8.688	-0.408	8.698	-0.409	8.715	-0.582



8.727	-0.691	8.735	-0.618	8.745	-0.609	8.759	-0.307	11.283	-0.287	11.290	0.003	11.295	0.259	11.300	0.380
8.765	-0.116	8.779	0.243	8.791	0.571	8.806	0.917	11.315	0.410	11.330	0.314	11.340	0.206	11.347	0.197
8.820	0.644	8.832	0.821	8.841	0.946	8.853	0.937	11.365	0.444	11.381	0.063	11.398	0.352	11.413	0.084
8.858	0.903	8.879	0.962	8.888	1.083	8.905	0.659	11.427	0.317	11.443	0.192	11.455	0.473	11.467	0.234
8.911	0.186	8.924	-0.420	8.932	-0.962	8.937	-1.200	11.478	0.343	11.488	-0.060	11.498	-0.164	11.506	-0.338
8.948	-1.361	8.962	-0.915	8.971	-0.642	8.981	-0.612	11.517	-0.191	11.525	0.004	11.533	0.078	11.542	0.225
8.993	-0.604	9.007	-0.491	9.015	-0.474	9.028	-0.102	11.550	0.207	11.564	0.082	11.576	-0.165	11.595	0.371
9.037	0.396	9.046	0.929	9.052	1.249	9.056	1.496	11.611	0.549	11.620	0.436	11.629	-0.032	11.644	-0.426
9.065	1.562	9.081	1.348	9.089	1.002	9.099	0.617	11.650	-0.426	11.665	0.124	11.680	0.370	11.690	0.595
9.106	0.387	9.111	0.201	9.131	0.007	9.151	0.231	11.704	0.158	11.719	0.032	11.736	-0.302	11.750	-0.150
9.172	0.430	9.190	0.378	9.205	0.057	9.220	-0.216	11.763	-0.363	11.772	-0.423	11.781	-0.402	11.793	-0.549
9.240	-0.450	9.252	-0.130	9.263	0.156	9.272	0.056	11.810	-0.407	11.826	-0.502	11.840	-0.433	11.850	-0.520
9.280	-0.056	9.300	0.182	9.306	0.186	9.315	0.316	11.861	-0.676	11.878	-0.533	11.888	-0.741	11.895	-0.763
9.327	0.554	9.340	0.277	9.347	-0.005	9.351	-0.200	11.908	-0.871	11.923	-0.715	11.930	-0.793	11.936	-0.820
9.369	-0.347	9.382	-0.135	9.393	0.107	9.401	0.298	11.964	-0.032	11.981	0.479	11.993	0.739	12.013	0.614
9.408	0.419	9.420	0.298	9.432	0.202	9.443	0.423	12.020	0.622	12.030	0.687	12.040	0.544	12.046	0.228
9.452	0.605	9.461	0.518	9.475	0.613	9.493	0.111	12.051	0.103	12.066	0.016	12.081	-0.196	12.096	-0.451
9.511	-0.417	9.515	-0.573	9.533	-0.863	9.542	-1.266	12.105	-0.581	12.112	-0.611	12.119	-0.711	12.124	-0.746
9.556	-1.720	9.565	-1.439	9.571	-1.339	9.583	-0.807	12.132	-0.698	12.155	0.095	12.172	0.458	12.186	0.450
9.591	-0.187	9.597	0.315	9.608	0.731	9.616	1.060	12.196	0.519	12.209	0.376	12.220	0.381	12.229	0.311
9.622	1.454	9.632	1.761	9.646	1.285	9.657	0.670	12.241	0.013	12.250	-0.035	12.258	0.078	12.268	-0.009
9.667	0.207	9.674	-0.231	9.678	-0.542	9.682	-0.707	12.272	0.095	12.285	0.476	12.303	0.818	12.312	0.563
9.695	-0.789	9.706	-1.045	9.719	-1.244	9.729	-0.811	12.318	0.463	12.325	0.455	12.332	0.407	12.343	0.182
9.736	-0.408	9.744	-0.118	9.750	0.172	9.762	0.510	12.352	0.126	12.362	0.156	12.373	0.061	12.384	-0.143
9.775	0.540	9.792	0.411	9.803	0.688	9.814	0.969	12.394	-0.234	12.409	-0.285	12.418	-0.168	12.434	-0.181
9.827	0.922	9.839	0.627	9.846	0.545	9.862	-0.053	12.443	-0.155	12.458	-0.160	12.467	-0.181	12.493	0.070
9.874	-0.533	9.883	-0.494	9.892	-0.334	9.900	-0.395	12.502	0.135	12.508	-0.042	12.523	-0.164	12.544	-0.025
9.910	-0.347	9.920	-0.057	9.933	0.251	9.956	0.004	12.566	0.339	12.589	0.720	12.596	0.668	12.610	0.400
9.966	-0.113	9.976	-0.195	9.982	-0.421	9.995	-0.499	12.618	0.279	12.629	0.036	12.636	-0.037	12.648	-0.046
10.009	-0.681	10.026	-0.434	10.032	-0.486	10.044	-0.023	12.680	0.075	12.671	0.093	12.683	0.167	12.693	0.115
10.052	0.206	10.060	0.345	10.072	0.652	10.079	0.860	12.762	0.150	12.774	0.189	12.786	0.128	12.799	0.167
10.085	0.912	10.095	0.890	10.105	0.725	10.108	0.643	12.811	0.111	12.816	0.115	12.837	-0.001	12.846	-0.109
10.119	0.569	10.125	0.439	10.134	0.374	10.143	0.443	12.854	-0.101	12.871	0.021	12.880	-0.057	12.891	0.055
10.155	0.759	10.170	0.586	10.177	0.252	10.181	0.040	12.899	0.099	12.917	0.428	12.931	0.640	12.940	0.567
10.204	-0.047	10.220	0.130	10.231	0.265	10.243	0.169	12.948	0.545	12.961	0.424	12.971	0.294	12.979	0.242
10.249	-0.043	10.255	-0.156	10.268	-0.126	10.276	-0.204	12.986	0.277	13.004	0.251	13.012	0.320	13.032	0.130
10.293	-0.052	10.310	0.069	10.333	0.103	10.343	0.211	13.042	0.026	13.059	-0.070	13.075	-0.104	13.083	-0.108
10.355	0.523	10.369	0.449	10.385	0.422	10.397	0.253	13.098	-0.212	13.110	-0.264	13.128	-0.315	13.132	-0.537
10.407	0.097	10.418	0.006	10.426	-0.207	10.433	-0.350	13.143	-0.554	13.162	-0.624	13.181	-0.359	13.191	-0.290
10.442	-0.532	10.456	-0.628	10.468	-0.473	10.479	-0.339	13.212	0.282	13.221	0.208	13.228	0.104	13.242	0.078
10.504	-0.317	10.524	-0.101	10.542	0.076	10.565	-0.001	13.256	0.303	13.262	0.295	13.271	0.143	13.283	-0.065
10.577	0.239	10.591	0.702	10.604	0.984	10.611	0.828	13.290	-0.225	13.295	-0.264	13.299	-0.260	13.310	-0.182
10.623	0.538	10.628	0.043	10.639	-0.100	10.654	-0.628	13.322	0.061	13.331	0.113	13.340	0.091	13.352	0.191
10.676	-0.447	10.687	-0.650	10.699	-0.724	10.707	-0.607	13.358	0.161	13.366	-0.121	13.374	-0.272	13.385	-0.298
10.724	-0.426	10.737	-0.157	10.741	-0.210	10.755	-0.465	13.405	-0.277	13.421	-0.207	13.436	-0.121	13.442	-0.108
10.759	-0.457	10.769	-0.305	10.780	-0.357	10.793	-0.163	13.449	-0.008	13.467	-0.129	13.477	-0.090	13.484	-0.043
10.805	0.136	10.812	0.097	10.828	0.300	10.835	0.166	13.496	0.191	13.505	0.152	13.523	0.520	13.528	0.494
10.840	0.122	10.848	-0.025	10.853	-0.138	10.862	-0.225	13.532	0.525	13.537	0.486	13.544	0.551	13.548	0.490
10.877	-0.572	10.890	-0.330	10.898	-0.270	10.901	-0.253	13.557	0.481	13.574	0.702	13.582	0.702	13.598	0.416
10.926	-0.491	10.941	0.035	10.956	0.043	10.970	-0.217	13.612	0.170	13.621	-0.051	13.630	-0.168	13.638	-0.103
10.979	-0.286	10.990	-0.499	11.009	-0.616	11.024	-0.378	13.645	0.031	13.663	0.126	13.681	-0.077	13.694	-0.134
11.042	-0.292	11.067	0.461	11.074	0.357	11.080	0.536	13.703	-0.064	13.708	0.040	13.718	-0.025	13.728	0.100
11.087	0.296	11.093	0.327	11.096	0.214	11.101	0.188	13.743	0.408	13.754	0.455	13.760	0.499	13.770	0.654
11.108	0.296	11.119	0.140	11.133	0.274	11.154	0.018	13.778	0.458	13.785	0.923	13.790	0.854	13.796	0.663
11.166	0.061	11.180	-0.454	11.194	-0.588	11.223	-0.204	13.804	0.555	13.815	0.590	13.832	0.438	13.843	0.503
11.229	-0.243	11.244	0.091	11.258	-0.273	11.273	-0.070								



13.857	0.252	13.875	-0.147	13.880	-0.276	13.892	-0.385	16.497	0.069	16.510	0.086	16.518	0.034	16.533	-0.200
13.897	-0.493	13.906	-0.610	13.918	-0.567	13.926	-0.588	16.540	-0.239	16.547	-0.152	16.568	-0.143	16.580	-0.026
13.941	-0.315	13.954	-0.328	13.963	-0.315	13.975	-0.402	16.595	0.026	16.609	0.064	16.619	0.043	16.636	-0.013
13.987	-0.342	14.002	-0.155	14.007	-0.182	14.013	0.442	16.654	-0.083	16.671	-0.022	16.687	0.134	16.696	0.177
14.022	0.606	14.026	0.593	14.031	0.520	14.050	0.403	16.708	0.229	16.720	0.220	16.732	0.259	16.740	0.268
14.061	0.143	14.071	-0.043	14.082	0.017	14.097	0.347	16.759	0.350	16.778	0.368	16.794	0.255	16.814	0.164
14.113	-0.018	14.123	-0.260	14.133	-0.455	14.141	-0.317	16.836	-0.022	16.844	-0.096	16.855	-0.044	16.870	-0.039
14.146	-0.191	14.154	-0.070	14.163	-0.139	14.177	-0.131	16.877	-0.000	16.890	-0.152	16.903	-0.104	16.911	-0.044
14.194	-0.494	14.204	-0.607	14.229	-0.534	14.244	-0.724	16.916	-0.066	16.927	0.001	16.939	-0.147	16.947	0.155
14.258	-0.755	14.270	-0.642	14.288	-0.274	14.303	-0.019	16.956	-0.199	16.971	0.021	16.990	-0.122	17.005	-0.074
14.311	0.115	14.322	0.081	14.340	0.093	14.353	-0.057	17.019	-0.113	17.025	-0.091	17.032	-0.004	17.042	0.039
14.360	-0.175	14.382	-0.310	14.403	-0.388	14.420	-0.392	17.064	0.160	17.070	0.178	17.082	0.256	17.105	0.265
14.419	-0.336	14.427	-0.232	14.438	-0.158	14.449	-0.111	17.120	0.104	17.133	0.173	17.158	0.005	17.176	-0.051
14.460	-0.154	14.471	-0.033	14.478	0.093	14.485	0.183	17.200	0.014	17.213	-0.155	17.222	-0.233	17.237	-0.198
14.492	-0.222	14.500	0.183	14.510	0.105	14.521	0.006	17.257	-0.215	17.267	-0.202	17.279	-0.232	17.288	-0.206
14.525	-0.016	14.534	0.018	14.546	0.101	14.551	0.144	17.299	-0.085	17.311	-0.037	17.320	-0.024	17.330	0.067
14.558	0.161	14.567	0.191	14.582	0.061	14.594	0.005	17.340	0.093	17.354	-0.028	17.361	-0.076	17.379	0.115
14.600	-0.073	14.614	-0.078	14.626	-0.125	14.635	-0.004	17.389	-0.059	17.399	-0.089	17.410	-0.171	17.419	-0.162
14.644	0.095	14.656	-0.052	14.662	-0.100	14.678	-0.087	17.435	-0.084	17.448	0.068	17.455	0.085	17.464	0.029
14.683	-0.143	14.695	-0.321	14.709	-0.178	14.721	-0.109	17.472	-0.037	17.488	-0.067	17.500	-0.106	17.514	-0.006
14.731	0.043	14.740	0.212	14.751	0.320	14.762	0.467	17.521	-0.002	17.538	-0.076	17.548	-0.063	17.560	-0.011
14.775	0.519	14.793	0.449	14.805	0.319	14.816	0.146	17.574	0.106	17.585	0.123	17.595	0.192	17.603	0.205
14.826	-0.116	14.841	0.154	14.852	0.033	14.861	-0.049	17.619	0.175	17.626	0.140	17.636	0.170	17.645	0.235
14.872	-0.002	14.884	0.089	14.893	0.085	14.902	0.046	17.656	-0.226	17.665	0.218	17.682	-0.157	17.694	0.035
14.920	0.015	14.932	0.084	14.946	0.145	14.959	0.205	17.727	-0.056	17.745	-0.238	17.752	-0.259	17.772	-0.199
14.978	0.378	14.994	0.352	15.003	0.344	15.015	0.408	17.784	-0.242	17.804	-0.191	17.822	-0.308	17.834	-0.299
15.030	0.469	15.046	0.620	15.058	0.746	15.067	0.802	17.844	-0.338	17.850	-0.412	17.859	-0.421	17.868	-0.325
15.078	0.728	15.090	0.551	15.099	0.529	15.111	0.416	17.874	-0.222	17.895	0.025	17.906	0.086	17.915	0.185
15.119	0.312	15.129	0.234	15.134	0.135	15.160	-0.043	17.921	0.202	17.930	0.185	17.936	0.185	17.942	0.168
15.175	-0.031	15.194	-0.134	15.211	-0.294	15.218	-0.333	17.960	0.263	17.972	0.185	17.978	0.197	17.990	0.076
15.226	-0.468	15.236	-0.515	15.255	-0.394	15.263	-0.295	18.004	0.002	18.011	-0.111	18.017	-0.072	18.025	0.093
15.280	-0.342	15.290	-0.256	15.299	-0.031	15.303	0.039	18.033	-0.192	18.045	-0.026	18.056	-0.107	18.076	0.009
15.314	0.103	15.326	0.017	15.335	0.051	15.356	-0.200	18.086	-0.060	18.099	0.025	18.111	-0.017	18.125	0.078
15.380	-0.226	15.392	-0.300	15.407	-0.283	15.425	-0.521	18.135	0.142	18.149	0.142	18.167	-0.049	18.181	0.029
15.431	-0.547	15.440	-0.543	15.451	-0.647	15.458	-0.664	18.197	-0.119	18.208	-0.019	18.222	-0.063	18.229	-0.028
15.473	-0.595	15.484	-0.487	15.495	-0.417	15.508	-0.231	18.248	0.201	18.260	0.166	18.267	0.179	18.279	0.131
15.529	-0.101	15.542	-0.058	15.557	-0.097	15.571	-0.032	18.291	-0.012	18.300	-0.064	18.306	-0.060	18.318	0.044
15.575	-0.058	15.589	-0.175	15.593	-0.179	15.608	-0.054	18.322	0.052	18.334	-0.074	18.347	-0.035	18.357	-0.031
15.614	-0.062	15.622	-0.075	15.642	-0.007	15.651	0.011	18.369	0.025	18.378	-0.018	18.394	-0.140	18.409	-0.079
15.669	0.210	15.680	0.089	15.693	0.106	15.701	0.167	18.423	-0.101	18.432	-0.024	18.445	0.171	18.453	0.244
15.709	0.184	15.720	0.128	15.732	0.171	15.744	0.119	18.466	0.179	18.477	0.149	18.491	0.019	18.509	0.114
15.756	0.201	15.763	0.314	15.776	0.400	15.793	0.513	18.518	0.235	18.526	0.269	18.540	0.135	18.547	0.100
15.806	0.483	15.816	0.543	15.821	0.543	15.830	0.444	18.558	0.130	18.562	0.100	18.574	0.039	18.581	0.039
15.837	0.478	15.843	0.556	15.857	0.552	15.871	0.504	18.595	-0.022	18.604	0.009	18.621	-0.009	18.627	0.004
15.881	0.534	15.894	0.496	15.917	0.253	15.932	-0.011	18.637	0.056	18.646	0.073	18.658	0.043	18.681	-0.079
15.939	-0.098	15.956	-0.189	15.976	-0.059	15.989	-0.133	18.693	-0.066	18.709	-0.144	18.718	-0.153	18.729	-0.119
16.013	0.388	16.020	0.114	16.032	0.058	16.045	0.027	18.738	-0.088	18.747	-0.071	18.758	0.037	18.769	0.167
16.063	-0.072	16.075	-0.046	16.084	0.118	16.102	0.187	18.773	0.193	18.787	0.301	18.787	0.357	18.795	0.361
16.116	0.339	16.127	0.261	16.135	0.200	16.147	0.252	18.810	0.357	18.815	0.348	18.825	0.356	18.835	0.335
16.152	0.213	16.162	0.005	16.176	-0.064	16.189	-0.051	18.841	0.283	18.853	0.295	18.858	0.209	18.866	0.196
16.206	-0.320	16.218	-0.432	16.232	-0.662	16.253	-0.571	18.876	0.204	18.896	0.009	18.904	-0.013	18.922	-0.156
16.263	-0.372	16.281	-0.212	16.287	-0.203	16.296	-0.138	18.935	-0.086	18.940	-0.277	18.953	-0.152	18.966	-0.117
16.302	-0.169	16.316	-0.281	16.333	-0.255	16.347	-0.251	18.976	-0.231	18.986	0.082	18.996	-0.054	19.005	0.068
16.358	-0.312	16.370	-0.286	16.381	-0.325	16.396	-0.147	19.019	-0.075	19.031	-0.071	19.047	-0.110	19.054	-0.097
16.403	-0.117	16.413	-0.182	16.423	-0.113	16.434	0.026	19.076	0.085	19.086	0.154	19.099	0.054	19.104	0.067
16.443	-0.008	16.459	0.052	16.466	0.034	16.478	0.121	19.118	-0.111	19.128	-0.184	19.140	-0.167	19.151	-0.271



19.169	-0.371	19.178	-0.280	19.183	-0.189	19.194	-0.159	21.709	-0.084	21.712	-0.062	21.712	-0.041	21.715	-0.032
19.207	-0.259	19.222	-0.246	19.242	-0.268	19.250	-0.299	21.715	-0.070	21.718	-0.011	21.721	-0.033	21.724	-0.007
19.271	-0.182	19.289	-0.022	19.299	-0.064	19.307	-0.053	21.726	-0.006	21.732	-0.028	21.736	-0.019	21.742	-0.049
19.319	-0.022	19.330	-0.083	19.338	-0.044	19.351	-0.103	21.747	-0.075	21.750	-0.092	21.754	-0.110	21.760	-0.097
19.357	0.159	19.363	0.211	19.377	0.189	19.385	0.150	21.762	-0.045	21.766	-0.041	21.770	-0.019	21.776	-0.016
19.394	0.172	19.400	0.197	19.413	0.098	19.419	0.072	21.776	0.033	21.782	0.050	21.791	0.046	21.797	0.016
19.430	-0.054	19.441	-0.115	19.457	-0.024	19.472	-0.089	21.802	-0.010	21.807	-0.036	21.816	-0.071	21.821	-0.097
19.487	-0.068	19.502	-0.120	19.509	-0.163	19.518	-0.120	21.825	-0.127	21.831	-0.092	21.836	-0.045	21.839	-0.015
19.532	-0.086	19.537	0.014	19.545	-0.025	19.565	-0.047	21.842	0.011	21.846	0.042	21.852	0.029	21.857	-0.002
19.572	-0.008	19.580	-0.151	19.583	-0.138	19.593	-0.095	21.863	-0.015	21.871	0.070	21.877	0.042	21.883	0.072
19.600	-0.078	19.610	0.004	19.624	-0.065	19.651	0.090	21.889	0.094	21.895	0.076	21.903	0.046	21.908	0.037
19.660	0.090	19.668	0.138	19.671	0.185	19.687	0.185	21.915	0.020	21.924	0.050	21.932	0.068	21.943	0.059
19.697	0.129	19.707	0.198	19.718	0.172	19.726	0.159	21.946	0.046	21.950	0.072	21.956	0.098	21.964	0.107
19.738	0.106	19.747	0.119	19.760	0.054	19.774	0.032	21.970	0.094	21.976	0.081	21.986	0.072	21.997	0.085
19.783	-0.028	19.806	-0.102	19.821	-0.094	19.833	-0.159	22.004	0.089	22.017	0.085	22.027	0.098	22.034	0.064
19.841	-0.150	19.859	-0.285	19.871	-0.246	19.879	-0.281	22.040	0.033	22.048	0.029	22.059	0.046	22.062	0.046
19.899	-0.272	19.914	-0.095	19.920	-0.065	19.931	-0.078	22.074	0.046	22.085	0.046	22.094	0.025	22.101	-0.006
19.939	-0.039	19.945	0.034	19.953	0.039	19.969	0.173	22.106	0.012	22.111	0.020	22.119	-0.019	22.123	-0.083
19.976	0.151	19.987	0.173	20.000	0.039	20.017	0.190	22.128	-0.044	22.134	-0.010	22.144	-0.036	22.148	-0.053
20.029	0.168	20.037	0.146	20.048	0.177	20.059	0.116	22.154	-0.053	22.160	-0.040	22.163	-0.057	22.169	-0.083
20.074	0.064	20.087	0.042	20.099	0.055	20.110	0.020	22.177	-0.105	22.207	-0.122	22.216	-0.144	22.222	-0.153
20.121	0.025	20.143	-0.041	20.157	-0.205	20.165	-0.175	22.225	-0.109	22.229	-0.066	22.232	-0.014	22.235	0.012
20.174	-0.093	20.178	-0.071	20.191	-0.123	20.195	-0.093	22.240	-0.036	22.245	-0.083	22.251	-0.014	22.255	0.012
20.206	0.011	20.214	-0.015	20.221	-0.084	20.228	-0.063	22.264	-0.023	22.274	0.008	22.275	0.008	22.277	0.086
20.237	0.080	20.241	0.141	20.246	0.132	20.254	0.080	22.286	0.064	22.295	0.047	22.302	0.073	22.308	0.099
20.272	0.075	20.287	0.015	20.295	-0.016	20.307	0.110	22.311	0.099	22.317	0.082	22.327	0.034	22.330	-0.009
20.318	0.114	20.328	0.157	20.344	0.071	20.352	0.019	22.335	-0.040	22.347	-0.040	22.362	-0.031	22.368	-0.044
20.367	0.019	20.373	-0.003	20.382	0.018	20.396	0.044	22.375	-0.074	22.383	-0.053	22.393	-0.027	22.401	-0.022
20.409	0.118	20.425	0.040	20.439	0.105	20.448	0.148	22.406	-0.057	22.416	-0.027	22.427	-0.087	22.439	-0.109
20.456	0.126	20.467	0.139	20.484	0.087	20.493	0.091	22.449	-0.135	22.454	-0.161	22.460	-0.213	22.466	-0.230
20.506	0.186	20.519	0.238	20.550	0.095	20.561	0.056	22.472	-0.200	22.475	-0.161	22.479	-0.135	22.487	-0.161
20.578	-0.040	20.590	-0.144	20.598	-0.122	20.608	-0.070	22.491	-0.204	22.495	-0.243	22.502	-0.191	22.505	-0.135
20.633	-0.179	20.653	-0.235	20.663	-0.154	20.676	-0.119	22.509	-0.100	22.514	-0.083	22.520	-0.109	22.521	-0.109
20.701	-0.223	20.716	-0.162	20.724	-0.103	20.739	-0.093	22.526	-0.130	22.532	-0.109	22.537	-0.070	22.541	-0.040
20.750	-0.028	20.764	-0.029	20.771	-0.003	20.790	-0.033	22.549	-0.022	22.557	-0.018	22.567	-0.001	22.572	0.021
20.805	-0.068	20.813	-0.042	20.825	-0.133	20.837	-0.177	22.582	0.051	22.588	0.060	22.596	0.030	22.603	0.012
20.846	-0.159	20.858	-0.190	20.867	-0.160	20.878	-0.095	22.606	-0.014	22.609	-0.035	22.615	0.004	22.621	0.038
20.892	-0.052	20.910	-0.022	20.926	-0.048	20.943	-0.044	22.627	0.060	22.633	0.042	22.638	0.016	22.644	0.012
20.959	0.104	20.972	0.103	20.981	0.168	20.988	0.168	22.672	0.021	22.676	0.051	22.687	0.051	22.689	0.081
21.009	0.029	21.022	0.016	21.029	-0.005	21.044	0.137	22.694	0.047	22.698	0.120	22.707	0.099	22.714	0.073
21.056	0.111	21.065	0.202	21.076	0.353	21.092	0.158	22.722	0.047	22.728	0.042	22.736	0.064	22.745	0.099
21.106	0.288	21.127	0.141	21.139	0.223	21.157	-0.059	22.753	0.116	22.762	0.116	22.769	0.085	22.779	0.046
21.167	-0.033	21.180	0.058	21.196	-0.020	21.207	0.045	22.786	-0.001	22.789	-0.044	22.792	-0.083	22.798	-0.101
21.219	0.031	21.231	0.092	21.241	0.088	21.250	0.035	22.801	-0.083	22.805	-0.053	22.813	-0.036	22.818	-0.023
21.265	0.009	21.272	0.027	21.282	-0.013	21.294	0.117	22.824	-0.032	22.832	-0.058	22.841	-0.092	22.846	-0.092
21.302	0.108	21.311	0.050	21.327	-0.039	21.336	-0.017	22.854	-0.097	22.861	-0.123	22.869	-0.140	22.875	-0.140
21.352	-0.096	21.365	-0.070	21.370	-0.052	21.379	-0.009	22.881	-0.114	22.888	-0.062	22.894	-0.023	22.898	-0.006
21.397	-0.126	21.406	-0.109	21.414	-0.053	21.428	-0.040	22.909	0.020	22.917	0.038	22.923	0.033	22.931	0.020
21.441	0.007	21.457	0.064	21.484	-0.144	21.493	-0.179	22.935	-0.001	22.941	-0.027	22.947	-0.045	22.955	-0.040
21.504	-0.101	21.509	-0.071	21.518	-0.062	21.529	-0.024	22.961	-0.049	22.967	-0.036	22.971	-0.015	22.976	-0.036
21.536	-0.023	21.547	-0.118	21.563	-0.201	21.582	-0.205	22.979	-0.062	22.985	-0.088	22.989	-0.110	22.996	-0.088
21.593	-0.149	21.608	-0.140	21.618	-0.162	21.626	-0.149	23.002	-0.049	23.006	-0.028	23.012	-0.015	23.018	-0.015
21.636	-0.149	21.641	-0.110	21.650	-0.092	21.655	-0.066	23.024	0.007	23.030	0.024	23.036	0.046	23.042	0.033
21.658	-0.105	21.663	-0.123	21.666	-0.140	21.670	-0.131	23.050	0.007	23.053	-0.019	23.056	-0.054	23.058	-0.076
21.675	-0.110	21.679	-0.084	21.682	-0.066	21.687	-0.056								
21.691	-0.084	21.696	-0.101	21.700	-0.118	21.706	-0.105								



23.063	-0.089	23.068	-0.058	23.073	-0.032	23.077	-0.024	24.878	-0.070	24.885	-0.091	24.896	-0.096	24.902	-0.074
23.080	-0.041	23.085	-0.076	23.089	-0.102	23.095	-0.123	24.910	-0.057	24.920	-0.048	24.933	-0.044	24.939	-0.048
23.105	-0.119	23.114	-0.119	23.124	-0.110	23.139	-0.106	24.945	-0.057	24.951	-0.065	24.958	-0.039	24.965	-0.018
23.145	-0.072	23.148	-0.037	23.151	-0.015	23.157	-0.011	24.971	-0.039	24.978	-0.074	24.986	-0.044	24.991	-0.031
23.162	0.011	23.168	-0.015	23.172	-0.037	23.179	-0.054	24.996	-0.022	25.002	-0.040	25.004	-0.061	25.010	-0.105
23.185	-0.037	23.189	-0.016	23.195	-0.015	23.201	-0.010	25.013	-0.096	25.021	-0.087	25.028	-0.087	25.037	-0.139
23.208	-0.016	23.215	-0.042	23.221	-0.046	23.228	-0.042	25.043	-0.105	25.049	-0.074	25.052	-0.070	25.058	-0.083
23.239	-0.037	23.244	-0.033	23.251	-0.076	23.257	-0.050	25.063	-0.109	25.067	-0.079	25.073	-0.040	25.077	-0.001
23.265	-0.033	23.274	-0.012	23.279	-0.032	23.284	-0.058	25.082	-0.055	25.088	-0.077	25.097	-0.042	25.104	0.021
23.287	0.092	23.291	0.140	23.298	0.137	23.305	0.179	25.110	0.055	25.118	0.077	25.121	0.094	25.130	0.059
23.320	0.205	23.326	0.179	23.330	0.157	23.336	0.148	25.133	0.033	25.139	0.012	25.148	0.003	25.154	0.007
23.339	0.157	23.345	0.135	23.349	0.088	23.352	0.066	25.167	0.020	25.173	0.007	25.179	-0.032	25.183	-0.075
23.358	0.036	23.364	0.014	23.370	0.001	23.378	0.074	25.185	-0.097	25.190	-0.105	25.196	-0.149	25.203	-0.118
23.384	0.014	23.389	-0.016	23.394	-0.047	23.401	-0.073	25.207	-0.084	25.212	-0.045	25.216	-0.023	25.219	-0.006
23.410	-0.064	23.420	-0.055	23.429	-0.043	23.440	-0.025	25.227	-0.015	25.235	-0.015	25.244	-0.006	25.254	-0.028
23.449	-0.047	23.457	-0.069	23.467	-0.069	23.477	-0.047	25.261	-0.054	25.271	-0.058	25.277	-0.045	25.286	-0.028
23.485	-0.021	23.491	0.014	23.497	0.040	23.508	0.061	25.299	-0.028	25.311	-0.028	25.325	-0.006	25.335	-0.019
23.523	0.070	23.535	0.087	23.540	0.100	23.549	0.065	25.348	-0.011	25.364	-0.011	25.385	-0.011	25.408	-0.007
23.556	0.087	23.565	0.122	23.570	0.139	23.579	0.152	25.413	-0.024	25.423	-0.059	25.430	-0.093	25.440	-0.059
23.590	0.156	23.602	0.130	23.611	0.104	23.621	0.074	25.449	-0.080	25.456	-0.055	25.464	-0.020	25.474	0.015
23.629	0.039	23.635	0.009	23.646	0.005	23.671	0.022	25.481	-0.049	25.491	0.041	25.505	0.023	25.515	0.019
23.681	0.022	23.700	0.022	23.714	0.022	23.725	0.035	25.528	0.027	25.537	0.038	25.552	0.038	25.564	0.045
23.737	-0.013	23.750	-0.004	23.757	-0.043	23.768	-0.100	25.568	-0.010	25.574	-0.007	25.583	0.006	25.591	0.010
23.777	-0.178	23.783	-0.212	23.789	-0.238	23.799	-0.199	25.600	-0.003	25.606	-0.003	25.621	0.010	25.631	0.018
23.810	-0.169	23.821	-0.147	23.830	-0.121	23.836	-0.143	25.642	-0.003	25.648	-0.021	25.658	-0.003	25.671	0.027
23.842	-0.165	23.851	-0.169	23.861	-0.139	23.868	-0.087	25.681	0.057	25.690	0.083	25.695	0.126	25.699	0.161
23.875	-0.044	23.880	-0.009	23.889	0.008	23.898	-0.013	25.705	0.165	25.717	0.113	25.720	0.100	25.724	0.087
23.906	-0.018	23.914	-0.005	23.921	-0.000	23.926	-0.035	25.733	0.104	25.743	0.100	25.756	0.091	25.765	0.061
23.931	-0.078	23.936	-0.113	23.945	-0.104	23.955	-0.113	25.774	-0.083	25.780	0.100	25.787	0.070	25.794	0.022
23.961	-0.139	23.968	-0.174	23.972	-0.139	23.977	-0.104	25.800	0.048	25.806	0.065	25.816	0.035	25.830	0.030
23.981	-0.070	23.986	-0.061	23.992	-0.036	23.999	-0.087	25.845	0.022	25.854	0.017	25.863	0.030	25.877	-0.017
24.005	-0.104	24.016	-0.130	24.025	-0.109	24.030	-0.078	25.891	0.004	25.903	0.039	25.916	0.013	25.931	-0.044
24.036	-0.035	24.044	-0.013	24.051	-0.005	24.062	-0.005	25.940	-0.004	25.948	-0.052	25.958	-0.074	25.968	-0.035
24.073	-0.013	24.084	-0.009	24.087	0.008	24.094	0.030	25.977	-0.000	25.988	-0.013	25.999	-0.013	26.007	-0.026
24.098	0.060	24.107	0.073	24.114	0.043	24.117	0.017	26.012	-0.052	26.022	-0.048	26.031	-0.039	26.039	-0.022
24.126	-0.000	24.132	-0.035	24.141	-0.018	24.152	-0.013	26.045	-0.018	26.051	0.013	26.059	0.030	26.070	0.008
24.160	-0.022	24.165	-0.000	24.176	0.032	24.182	0.077	26.076	0.043	26.081	0.069	26.085	0.073	26.093	0.039
24.193	0.103	24.203	0.086	24.214	0.086	24.223	0.095	26.100	0.009	26.106	-0.022	26.116	-0.048	26.127	-0.043
24.232	0.073	24.245	0.073	24.259	0.086	24.265	0.090	26.136	-0.056	26.147	-0.061	26.169	-0.069	26.171	-0.126
24.273	0.069	24.296	0.069	24.309	0.086	24.320	0.116	26.183	-0.113	26.190	-0.134	26.199	-0.095	26.210	-0.013
24.332	0.112	24.339	0.069	24.342	0.034	24.348	-0.009	26.219	0.030	26.231	0.074	26.237	0.035	26.243	0.022
24.358	-0.018	24.363	-0.031	24.371	-0.070	24.375	-0.113	26.251	0.048	26.262	0.031	26.270	0.037	26.276	0.061
24.379	-0.148	24.384	-0.182	24.392	-0.139	24.401	-0.078	26.287	0.039	26.297	0.065	26.306	0.026	26.321	0.057
24.409	-0.026	24.418	-0.005	24.423	0.017	24.432	0.056	26.330	0.078	26.337	0.109	26.343	0.135	26.351	0.057
24.444	0.021	24.451	-0.009	24.460	-0.022	24.466	-0.000	26.361	0.083	26.367	0.113	26.374	0.130	26.380	0.165
24.475	0.017	24.487	0.004	24.498	0.017	24.510	0.026	26.391	0.135	26.404	0.096	26.418	0.048	26.429	-0.012
24.523	0.017	24.531	0.052	24.538	0.086	24.546	0.108	26.441	-0.077	26.450	-0.099	26.461	-0.064	26.466	-0.047
24.555	0.090	24.565	0.095	24.570	0.060	24.578	0.047	26.480	-0.025	26.488	0.014	26.495	0.039	26.508	0.031
24.587	0.047	24.594	0.034	24.599	-0.000	24.605	0.026	26.520	0.031	26.526	0.022	26.537	0.035	26.548	0.057
24.612	0.043	24.621	0.013	24.636	0.008	24.645	-0.013	26.562	0.095	26.572	0.069	26.585	0.043	26.597	0.013
24.653	-0.044	24.670	-0.061	24.684	-0.044	24.698	-0.035	26.603	0.035	26.615	-0.017	26.633	-0.061	26.643	-0.039
24.713	-0.031	24.727	-0.022	24.744	-0.009	24.753	0.026	26.658	-0.052	26.669	-0.044	26.678	-0.057	26.692	-0.096
24.765	0.030	24.769	0.047	24.774	0.060	24.782	0.082	26.706	-0.126	26.717	-0.117	26.728	-0.130	26.740	-0.109
24.787	0.064	24.794	0.043	24.799	0.004	24.808	0.018	26.751	-0.092	26.759	-0.035	26.773	0.025	26.779	0.051
24.813	-0.005	24.823	0.013	24.829	0.030	24.840	0.017	26.786	0.030	26.793	0.077	26.802	0.107	26.815	0.107
24.846	-0.005	24.849	-0.022	24.858	-0.005	24.869	-0.035	26.829	0.107	26.840	0.077	26.849	0.047	26.860	0.025



26.975	0.025	26.885	0.016	26.896	0.029	26.913	0.042	29.417	0.003	29.427	-0.062	29.438	-0.105	29.441	-0.088
26.922	0.007	26.936	-0.019	26.949	-0.023	26.958	-0.062	29.453	-0.110	29.462	-0.097	29.469	-0.119	29.476	-0.106
26.967	-0.097	26.978	-0.101	26.992	-0.076	26.997	-0.063	29.484	-0.127	29.495	-0.093	29.506	-0.084	29.515	-0.032
27.010	-0.046	27.019	-0.019	27.028	0.015	27.039	-0.003	29.529	-0.006	29.548	-0.006	29.565	0.032	29.579	0.010
27.045	0.019	27.055	0.019	27.063	-0.012	27.075	-0.042	29.594	-0.037	29.608	-0.042	29.624	-0.007	29.629	0.036
27.092	-0.069	27.102	-0.052	27.110	-0.043	27.115	-0.056	29.645	0.058	29.662	0.075	29.675	0.075	29.682	0.066
27.122	0.000	27.134	0.026	27.143	0.000	27.147	0.043	29.692	0.087	29.704	0.048	29.718	0.035	29.740	-0.047
27.154	0.073	27.161	0.064	27.168	0.034	27.178	-0.005	29.749	-0.065	29.758	-0.060	29.780	-0.104	29.788	-0.121
27.180	0.025	27.184	0.034	27.190	-0.044	27.199	-0.157	29.805	-0.056	29.815	-0.048	29.832	-0.022	29.845	-0.044
27.206	-0.149	27.213	-0.110	27.220	-0.101	27.226	-0.097	29.872	-0.009	29.881	-0.001	29.888	0.012	29.900	0.029
27.237	-0.136	27.242	-0.102	27.249	-0.058	27.255	-0.067	29.908	0.025	29.924	-0.001	29.937	-0.019	29.946	-0.006
27.266	0.006	27.278	-0.050	27.285	-0.098	27.294	-0.029	29.958	0.003	29.977	-0.028	29.999	-0.007	30.014	-0.024
27.310	0.066	27.315	0.088	27.324	0.057	27.331	-0.004	30.025	-0.037	30.049	-0.025	30.061	-0.021	30.075	0.044
27.340	-0.047	27.353	-0.047	27.362	0.013	27.371	0.056	30.097	0.018	30.109	0.022	30.122	-0.031	30.150	-0.027
27.378	0.082	27.389	0.091	27.401	0.065	27.410	0.038	30.169	0.029	30.185	0.068	30.193	0.059	30.209	-0.006
27.421	0.008	27.436	0.008	27.447	0.007	27.455	-0.036	30.230	-0.041	30.237	-0.067	30.247	-0.016	30.254	-0.029
27.465	0.008	27.472	-0.028	27.483	0.024	27.497	-0.019	30.262	0.001	30.282	0.005	30.299	-0.047	30.308	0.005
27.513	-0.046	27.524	-0.067	27.541	-0.068	27.559	-0.059	30.322	0.000	30.336	-0.009	30.348	-0.048	30.356	-0.091
27.570	0.012	27.582	-0.081	27.593	-0.099	27.601	-0.082	30.374	-0.053	30.380	-0.070	30.394	-0.027	30.408	-0.071
27.612	0.005	27.630	0.000	27.647	0.030	27.655	-0.005	30.430	-0.058	30.444	-0.084	30.459	-0.033	30.472	-0.059
27.663	-0.013	27.673	0.017	27.687	0.034	27.702	0.051	30.479	-0.064	30.494	0.010	30.507	-0.012	30.518	0.053
27.717	0.025	27.730	-0.015	27.732	-0.028	27.748	0.007	30.530	0.000	30.538	0.013	30.558	-0.004	30.568	-0.074
27.758	0.015	27.769	-0.011	27.778	0.002	27.788	0.006	30.582	-0.057	30.594	-0.100	30.609	-0.096	30.621	-0.071
27.796	-0.007	27.805	-0.029	27.814	-0.068	27.825	-0.081	30.629	-0.088	30.641	-0.058	30.667	-0.041	30.682	0.010
27.841	0.090	27.852	-0.056	27.860	-0.004	27.876	-0.021	30.702	-0.046	30.723	0.001	30.735	-0.008	30.749	0.018
27.882	-0.021	27.894	-0.000	27.905	0.004	27.919	-0.000	30.768	-0.026	30.785	-0.061	30.808	-0.092	30.823	-0.148
27.929	-0.022	27.940	0.012	27.945	0.038	27.957	-0.001	30.830	-0.157	30.846	-0.123	30.859	-0.062	30.871	-0.045
28.009	-0.006	27.976	0.064	27.990	0.016	28.003	-0.015	30.884	-0.084	30.899	-0.119	30.913	-0.107	30.937	-0.072
28.053	0.106	28.065	0.067	28.085	0.028	28.112	-0.020	30.953	-0.073	30.984	-0.008	31.002	-0.022	31.019	0.013
28.127	-0.042	28.141	-0.068	28.157	-0.038	28.166	-0.047	31.037	-0.075	31.109	-0.101	31.132	-0.050	31.155	-0.031
28.183	0.031	28.195	0.057	28.209	0.014	28.225	0.078	31.168	0.002	31.191	-0.007	31.200	0.010	31.215	0.062
28.242	0.022	28.254	0.056	28.266	0.017	28.274	0.030	31.232	0.074	31.249	0.057	31.266	0.022	31.280	-0.017
28.292	-0.005	28.304	-0.013	28.313	0.013	28.324	0.012	31.295	0.039	31.304	0.056	31.327	0.012	31.332	-0.018
28.339	0.047	28.352	0.077	28.364	-0.066	28.373	-0.014	31.352	-0.049	31.364	-0.019	31.378	-0.032	31.393	-0.097
28.380	-0.044	28.389	-0.066	28.405	-0.088	28.417	-0.049	31.408	-0.111	31.415	-0.137	31.425	-0.098	31.440	-0.206
28.431	-0.036	28.440	-0.036	28.452	-0.080	28.464	-0.006	31.459	-0.159	31.468	-0.116	31.472	-0.133	31.484	-0.069
28.479	-0.045	28.486	-0.002	28.494	0.028	28.503	0.076	31.498	0.061	31.510	0.030	31.521	0.099	31.533	0.038
28.512	0.088	28.526	0.049	28.541	0.110	28.550	0.066	31.539	-0.035	31.551	-0.083	31.562	-0.014	31.575	-0.054
28.559	0.040	28.575	0.023	28.581	-0.016	28.591	-0.047	31.587	-0.032	31.601	-0.145	31.615	-0.124	31.624	-0.159
28.607	-0.047	28.619	-0.038	28.631	-0.056	28.643	0.001	31.642	-0.021	31.648	-0.021	31.662	-0.182	31.668	-0.182
28.652	0.004	28.670	0.022	28.677	0.009	28.685	0.048	31.683	-0.104	31.696	-0.105	31.707	-0.088	31.721	-0.123
28.703	0.113	28.719	0.022	28.732	-0.009	28.746	-0.035	31.734	-0.071	31.748	-0.063	31.766	-0.081	31.779	-0.129
28.763	-0.061	28.774	-0.014	28.790	-0.022	28.806	-0.001	31.790	-0.129	31.800	-0.151	31.816	-0.086	31.836	-0.100
28.811	0.029	28.820	0.073	28.827	0.077	28.841	0.033	31.856	-0.027	31.879	-0.044	31.892	-0.014	31.909	-0.023
28.860	0.003	28.876	-0.041	28.891	-0.062	28.904	-0.084	31.923	-0.019	31.945	0.054	31.965	-0.041	31.989	-0.106
28.915	-0.041	28.924	-0.037	28.933	-0.045	28.944	-0.041	32.003	-0.119	32.027	-0.058	32.039	-0.045	32.060	-0.093
28.956	-0.059	28.967	-0.093	28.991	-0.119	29.001	-0.081	32.079	-0.041	32.098	-0.071	32.116	-0.071	32.132	-0.101
29.010	-0.068	29.021	-0.085	29.030	-0.033	29.048	-0.020	32.150	-0.088	32.171	-0.061	32.200	-0.083	32.224	-0.079
29.064	-0.042	29.082	0.018	29.103	-0.008	29.119	-0.051	32.256	-0.027	32.271	-0.061	32.289	-0.044	32.305	-0.096
29.128	-0.016	29.134	-0.008	29.148	-0.031	29.163	-0.077	32.320	-0.074	32.340	-0.048	32.340	-0.074	32.354	-0.032
29.169	-0.043	29.183	-0.021	29.190	-0.026	29.205	-0.082	32.372	-0.073	32.385	-0.047	32.399	-0.047	32.409	-0.021
29.227	-0.078	29.244	-0.052	29.265	-0.047	29.278	-0.008	32.418	-0.043	32.438	-0.043	32.450	-0.064	32.468	-0.082
29.297	0.030	29.317	0.043	29.323	0.004	29.330	-0.001	32.482	-0.125	32.496	-0.099	32.509	-0.138	32.525	-0.072
29.340	0.043	29.351	0.043	29.355	0.034	29.363	0.068	32.539	-0.081	32.550	-0.064	32.561	-0.020	32.572	-0.003
29.377	0.094	29.386	0.125	29.399	0.086	29.405	0.042	32.584	0.041	32.591	0.015	32.608	-0.050	32.616	-0.085



32.625	-0.024	32.638	-0.063	32.650	-0.037	32.663	-0.102	36.102	0.133	36.124	-0.001	36.146	-0.057	36.164	-0.174
32.675	-0.106	32.698	-0.106	32.710	-0.118	32.727	-0.105	36.169	-0.169	36.197	-0.056	36.197	-0.056	36.221	0.018
32.742	-0.088	32.753	-0.040	32.771	-0.040	32.795	-0.035	36.232	0.107	36.255	-0.081	36.270	-0.120	36.280	-0.129
32.818	-0.079	32.846	-0.083	32.856	-0.091	32.874	-0.074	36.293	-0.107	36.309	-0.016	36.322	0.024	36.335	0.037
32.892	-0.043	32.906	-0.013	32.926	-0.026	32.939	-0.008	36.360	0.002	36.376	-0.023	36.403	-0.101	36.415	-0.101
32.956	0.040	32.966	0.049	32.985	0.032	32.995	0.032	36.433	-0.061	36.444	-0.008	36.463	-0.017	36.475	-0.073
33.013	-0.041	33.021	-0.037	33.042	-0.036	33.059	-0.040	36.504	-0.125	36.524	-0.176	36.529	-0.171	36.549	-0.080
33.071	-0.066	33.091	-0.036	33.106	-0.008	33.118	0.052	36.568	-0.041	36.578	-0.049	36.602	-0.087	36.616	-0.100
33.126	0.052	33.146	-0.008	33.163	-0.021	33.177	0.001	36.628	-0.052	36.637	0.031	36.648	0.061	36.660	0.053
33.197	0.023	33.211	0.006	33.233	-0.076	33.252	-0.123	36.677	-0.033	36.700	-0.115	36.709	-0.097	36.743	-0.161
33.336	-0.136	33.347	-0.048	33.360	-0.004	33.371	-0.005	36.750	-0.105	36.781	-0.034	36.800	-0.056	36.836	0.067
33.383	0.031	33.393	0.022	33.404	0.014	33.416	0.018	36.853	-0.002	36.875	-0.023	36.894	-0.031	36.916	-0.091
33.436	-0.016	33.451	-0.011	33.461	-0.024	33.469	-0.019	36.968	-0.029	36.977	-0.012	37.009	-0.057	37.033	-0.071
33.496	-0.084	33.508	-0.088	33.519	-0.144	33.540	-0.039	37.048	-0.088	37.066	-0.122	37.080	-0.113	37.108	-0.009
33.549	0.030	33.558	0.095	33.574	-0.034	33.595	-0.043	37.119	0.022	37.143	0.001	37.158	-0.020	37.174	-0.033
33.591	-0.069	33.598	-0.077	33.606	0.002	33.617	-0.085	37.195	-0.063	37.212	-0.071	37.236	-0.131	37.256	-0.083
33.632	-0.011	33.641	0.028	33.650	-0.002	33.667	-0.010	37.277	-0.013	37.289	0.013	37.304	0.018	37.318	-0.074
33.675	-0.067	33.689	-0.040	33.702	-0.036	33.720	-0.083	37.335	0.070	37.349	0.019	37.374	0.002	37.392	-0.036
33.750	-0.065	33.768	-0.018	33.788	-0.116	33.794	-0.142	37.416	-0.058	37.427	-0.053	37.442	-0.009	37.454	0.004
33.805	-0.137	33.817	-0.197	33.830	-0.150	33.836	-0.158	37.464	0.017	37.478	-0.018	37.492	0.009	37.503	-0.069
33.853	-0.084	33.865	-0.092	33.889	0.034	33.901	0.017	37.516	-0.073	37.537	-0.043	37.547	-0.078	37.571	-0.059
33.914	0.034	33.936	-0.043	33.957	-0.060	33.980	-0.125	37.591	-0.034	37.607	-0.051	37.633	0.018	37.647	0.010
33.993	-0.181	34.000	-0.189	34.016	-0.102	34.037	-0.072	37.663	-0.012	37.680	0.010	37.700	-0.081	37.710	-0.080
34.038	-0.098	34.049	-0.067	34.061	-0.041	34.080	-0.102	37.722	-0.059	37.736	-0.080	37.760	-0.115	37.780	-0.088
34.088	-0.115	34.101	-0.054	34.130	-0.040	34.138	-0.053	37.802	-0.054	37.817	-0.010	37.840	-0.075	37.854	-0.032
34.169	-0.049	34.194	0.030	34.204	0.043	34.218	-0.021	37.885	-0.023	37.895	-0.018	37.915	-0.074	37.925	-0.066
34.237	0.004	34.258	-0.073	34.275	-0.103	34.295	-0.086	37.956	0.004	37.984	0.056	38.005	-0.031	38.038	-0.088
34.316	-0.151	34.342	-0.107	34.362	-0.016	34.377	0.019	38.049	-0.079	38.065	-0.049	38.093	-0.084	38.112	-0.058
34.389	0.011	34.409	0.011	34.433	-0.010	34.449	-0.036	38.134	-0.106	38.154	-0.080	38.172	-0.119	38.198	-0.076
34.480	0.042	34.491	0.046	34.507	0.020	34.529	-0.062	38.218	-0.102	38.246	-0.051	38.264	-0.034	38.284	0.018
34.551	-0.084	34.581	-0.140	34.589	-0.131	34.600	-0.088	38.311	-0.008	38.339	-0.077	38.368	-0.073	38.388	-0.048
34.615	-0.053	34.629	0.025	34.635	0.016	34.646	-0.049	38.414	-0.069	38.439	-0.065	38.454	-0.057	38.466	-0.066
34.671	0.003	34.682	0.099	34.689	0.125	34.697	0.181	38.477	-0.087	38.492	-0.127	38.504	-0.161	38.513	-0.148
34.714	0.172	34.739	0.042	34.752	-0.062	34.779	-0.061	38.525	-0.114	38.536	-0.110	38.554	-0.054	38.575	-0.063
34.790	-0.087	34.811	-0.009	34.829	0.017	34.843	0.017	38.593	-0.072	38.611	-0.089	38.624	-0.054	38.642	-0.098
34.858	-0.018	34.873	-0.079	34.896	-0.057	34.928	-0.035	38.676	-0.003	38.694	-0.030	38.711	-0.030	38.733	-0.013
34.946	-0.109	34.956	-0.126	34.991	-0.117	35.002	-0.104	38.748	-0.039	38.763	0.021	38.771	0.030	38.780	-0.022
35.017	-0.039	35.031	-0.008	35.049	0.069	35.060	0.086	38.792	0.025	38.808	-0.009	38.821	-0.027	38.833	-0.005
35.088	0.036	35.106	-0.096	35.123	-0.113	35.140	-0.109	38.852	-0.036	38.867	-0.105	38.884	-0.075	38.893	-0.041
35.151	-0.061	35.177	-0.009	35.185	0.056	35.197	0.064	38.916	-0.037	38.936	-0.093	38.947	-0.098	38.959	-0.050
35.205	0.043	35.217	0.064	35.236	0.021	35.254	-0.000	38.974	-0.059	38.987	-0.072	39.004	-0.063	39.020	-0.089
35.278	-0.091	35.298	-0.161	35.311	-0.174	35.339	-0.139	39.039	-0.033	39.065	-0.025	39.082	-0.033	39.100	-0.038
35.364	-0.104	35.385	-0.083	35.399	-0.070	35.413	-0.013	39.122	-0.016	39.143	-0.016	39.166	-0.034	39.182	-0.064
35.427	0.004	35.441	-0.022	35.465	-0.096	35.477	-0.096	39.201	-0.017	39.222	0.001	39.239	-0.060	39.256	-0.095
35.493	-0.139	35.510	-0.113	35.522	-0.104	35.543	0.026	39.284	-0.078	39.296	-0.099	39.317	-0.060	39.334	-0.069
35.552	0.060	35.559	0.052	35.584	-0.061	35.597	0.013	39.364	-0.091	39.373	-0.082	39.395	-0.026	39.414	0.013
35.617	-0.165	35.636	-0.139	35.653	-0.000	35.660	-0.000	39.427	0.021	39.450	0.004	39.468	-0.005	39.489	-0.048
35.675	-0.074	35.687	-0.104	35.701	-0.186	35.715	-0.177	39.506	-0.040	39.523	-0.040	39.532	-0.061	39.551	-0.096
35.727	-0.052	35.734	-0.022	35.741	-0.056	35.751	0.078	39.565	-0.113	39.581	-0.100	39.594	-0.066	39.611	-0.066
35.763	0.121	35.778	0.061	35.784	0.022	35.793	0.013	39.626	-0.022	39.647	-0.014	39.669	-0.031	39.684	-0.018
35.808	-0.117	35.816	-0.095	35.828	-0.164	35.843	-0.086	39.697	-0.001	39.713	-0.010	39.732	-0.014	39.746	-0.023
35.851	-0.121	35.874	0.052	35.885	0.022	35.897	-0.051	39.763	-0.088	39.779	-0.066	39.799	-0.040	39.810	-0.003
35.905	-0.060	35.914	-0.030	35.938	-0.164	35.955	-0.199	39.826	-0.140	39.844	-0.166	39.855	-0.097	39.864	-0.097
35.971	-0.216	35.997	-0.142	35.995	-0.129	36.004	-0.137	39.876	-0.001	39.887	-0.045	39.894	-0.036	39.906	-0.062
36.033	-0.076	36.049	0.002	36.062	0.002	36.089	0.094	39.914	-0.075	39.924	-0.040	39.934	-0.036	39.944	-0.015



39.953	-0.028	39.964	-0.019	39.974	-0.084	39.988	-0.084
39.997	-0.097	40.014	-0.019	40.023	0.058	40.031	0.063
40.046	-0.066	40.061	-0.059	40.079	-0.024	40.096	-0.046
40.108	-0.033	40.123	-0.055	40.138	-0.033	40.152	-0.073
40.171	-0.064	40.186	-0.069	40.199	-0.060	40.212	-0.077
40.231	-0.021	40.242	-0.043	40.267	-0.108	40.281	-0.121
40.291	-0.134	40.306	-0.117	40.322	-0.096	40.337	-0.083
40.351	-0.048	40.359	-0.048	40.377	-0.101	40.400	-0.088
40.413	-0.101	40.427	-0.092	40.451	-0.144	40.471	-0.136
40.505	-0.111	40.520	-0.076	40.542	0.001	40.555	0.018
40.578	-0.008	40.606	-0.043	40.621	-0.047	40.656	-0.026
40.675	-0.009	40.696	0.051	40.708	0.025	40.722	0.055
40.739	0.011	40.748	0.002	40.764	-0.045	40.775	-0.045
40.794	-0.106	40.804	-0.102	40.831	-0.168	40.843	-0.159
40.854	-0.164	40.873	-0.108	40.893	-0.099	40.922	-0.061
40.932	-0.005	40.944	-0.048	40.958	-0.035	40.979	-0.048
40.996	-0.018	41.012	-0.049	41.019	-0.045	41.040	0.029
41.069	-0.020	41.079	-0.002	41.088	-0.002	41.101	-0.050
41.116	-0.042	41.140	-0.077	41.161	-0.111	41.176	-0.133
41.195	-0.082	41.205	-0.077	41.217	-0.095	41.254	-0.095
41.278	-0.122	41.292	-0.100	41.300	-0.118	41.319	-0.061
41.337	-0.031	41.349	-0.045	41.363	-0.032	41.382	-0.049
41.395	-0.045	41.412	-0.011	41.426	-0.002	41.446	-0.020
41.463	-0.046	41.484	-0.029	41.500	-0.020	41.514	-0.021
41.532	-0.055	41.553	-0.108	41.577	-0.091	41.590	-0.104
41.615	-0.095	41.639	-0.100	41.662	-0.057	41.687	-0.018
41.705	-0.044	41.731	-0.045	41.743	-0.023	41.758	-0.058
41.780	-0.054	41.807	-0.054	41.826	-0.063	41.842	-0.098
41.862	-0.107	41.880	-0.124	41.895	-0.111	41.905	-0.081
41.922	-0.073	41.932	-0.042	41.943	-0.069	41.952	-0.077
41.966	-0.112	41.982	-0.104	41.996	-0.070	42.007	-0.139
42.013	-0.152	42.032	-0.070	42.050	-0.053	42.071	-0.062
42.087	-0.084	42.100	-0.085	42.115	-0.055	42.135	-0.077
42.160	-0.107	42.177	-0.142	42.186	-0.117	42.204	-0.130
42.226	-0.109	42.244	-0.118	42.256	-0.079	42.283	-0.114
42.318	-0.063	42.339	-0.024	42.348	-0.051	42.363	-0.038
42.383	-0.073	42.403	-0.095	42.432	-0.035	42.453	-0.096
42.470	-0.127	42.479	-0.127	42.498	-0.110	42.519	-0.050
42.539	-0.072	42.554	-0.064	42.580	-0.090	42.604	-0.047
42.639	-0.035	42.652	-0.053	42.670	-0.057	42.690	-0.119
42.711	-0.097	42.719	-0.102	42.734	-0.046	42.751	-0.094
42.761	-0.085	42.779	-0.129	42.796	-0.112	42.817	-0.107
42.836	-0.112	42.859	-0.103	42.877	-0.155	42.894	-0.125
42.904	-0.147	42.915	-0.060	42.927	-0.082	42.943	-0.077
42.963	-0.103	42.978	-0.112	42.999	-0.155	43.016	-0.103
43.027	-0.120	43.038	-0.089	43.058	-0.106	43.080	-0.098
43.102	-0.037	43.126	-0.093	43.147	-0.144	43.174	-0.144
43.209	-0.183	43.233	-0.135	43.252	-0.161	43.267	-0.139
43.285	-0.148	43.306	-0.096	43.325	-0.087	43.339	-0.083
43.354	-0.065	43.370	-0.078	43.392	-0.096		



1178 POINTS 33.117 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 0.1511 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.135	0.667	0.131	6.120	0.149	0.154	0.158	5.572	6.126	5.632	0.125	5.691	6.152	5.753	0.164	0.213	0.135	5.887	0.128	5.967	0.127
0.213	0.135	0.263	0.131	0.287	0.140	0.339	0.135	5.798	6.142	5.851	0.056	5.887	0.128	5.967	0.127	0.403	0.149	0.463	0.172	6.030	0.145
0.403	0.140	0.438	0.149	0.463	0.131	0.493	0.144	5.926	6.114	5.965	0.167	5.966	0.172	6.030	0.145	0.551	0.158	0.575	0.162	6.068	0.162
0.551	0.149	0.556	0.131	0.575	0.122	0.630	0.135	6.045	0.158	6.076	0.136	6.111	0.162	6.168	0.162	0.660	0.135	0.707	0.135	6.397	0.138
0.660	0.135	0.688	0.144	0.707	0.135	0.738	0.127	6.236	0.117	6.312	0.117	6.397	0.162	6.455	0.105	0.762	0.144	0.820	0.140	6.842	0.149
0.762	0.144	0.805	0.153	0.820	0.140	0.842	0.149	6.523	0.142	6.601	0.150	6.626	0.141	6.830	0.130	0.867	0.135	0.926	0.149	6.982	0.140
0.867	0.135	0.894	0.122	0.926	0.149	0.942	0.140	6.682	0.087	6.716	0.113	6.770	0.113	6.935	0.084	0.996	0.131	1.064	0.153	7.053	0.153
0.996	0.131	1.044	0.135	1.064	0.153	1.103	0.153	6.852	0.148	6.882	0.130	6.915	0.120	7.019	0.116	1.133	0.135	1.206	0.118	7.200	0.144
1.133	0.135	1.173	0.118	1.206	0.118	1.243	0.144	6.959	0.079	6.970	0.106	6.992	0.110	7.019	0.116	1.289	0.131	1.327	0.144	7.053	0.144
1.289	0.131	1.327	0.144	1.381	0.153	1.408	0.131	7.053	0.144	7.080	0.131	7.098	0.112	7.147	0.127	1.445	0.122	1.492	0.118	7.274	0.147
1.445	0.122	1.492	0.118	1.516	0.150	1.547	0.136	7.200	0.142	7.237	0.113	7.247	0.167	7.301	0.127	1.569	0.132	1.617	0.123	7.370	0.107
1.569	0.132	1.590	0.132	1.617	0.123	1.640	0.128	7.326	0.126	7.340	0.139	7.350	0.136	7.399	0.111	1.670	0.146	1.744	0.137	7.510	0.136
1.670	0.146	1.707	0.128	1.744	0.137	1.779	0.158	7.452	0.164	7.475	0.164	7.510	0.136	7.558	0.095	1.819	0.137	1.808	0.120	7.666	0.134
1.819	0.137	1.875	0.133	1.908	0.120	1.944	0.147	7.605	0.094	7.666	0.134	7.715	0.150	7.756	0.154	1.989	0.134	2.059	0.144	7.859	0.094
1.989	0.134	2.031	0.137	2.059	0.144	2.093	0.144	7.789	0.140	7.832	0.108	7.859	0.094	7.881	0.125	2.131	0.140	2.201	0.127	7.917	0.094
2.131	0.140	2.162	0.137	2.201	0.127	2.234	0.137	7.858	0.147	7.917	0.147	7.945	0.107	7.981	0.146	2.271	0.164	2.345	0.160	8.008	0.155
2.271	0.164	2.312	0.164	2.345	0.160	2.391	0.138	8.008	0.155	8.049	0.139	8.068	0.159	8.107	0.127	2.429	0.107	2.515	0.125	8.241	0.126
2.429	0.107	2.476	0.107	2.515	0.125	2.550	0.134	8.145	0.087	8.196	0.053	8.241	0.126	8.301	0.124	2.578	0.144	2.619	0.162	8.356	0.124
2.578	0.144	2.619	0.162	2.653	0.162	2.678	0.144	8.334	0.147	8.356	0.136	8.382	0.133	8.435	0.124	2.703	0.131	2.748	0.149	8.477	0.136
2.703	0.131	2.734	0.140	2.748	0.149	2.769	0.140	8.451	0.119	8.477	0.101	8.492	0.136	8.512	0.136	2.813	0.141	2.887	0.128	8.561	0.158
2.813	0.141	2.851	0.141	2.887	0.128	2.930	0.124	8.537	0.134	8.561	0.058	8.581	0.158	8.606	0.125	2.875	0.150	3.042	0.115	8.676	0.136
2.875	0.150	3.011	0.137	3.042	0.115	3.068	0.124	8.543	0.139	8.561	0.058	8.581	0.158	8.606	0.125	3.056	0.142	3.135	0.151	8.691	0.103
3.056	0.142	3.135	0.151	3.156	0.138	3.186	0.151	8.761	0.151	8.811	0.160	8.865	0.168	8.901	0.114	3.218	0.165	3.270	0.120	8.865	0.168
3.218	0.165	3.250	0.147	3.270	0.120	3.292	0.144	8.924	0.046	8.976	0.046	9.014	0.023	9.045	0.090	3.333	0.116	3.411	0.179	9.120	0.134
3.333	0.116	3.361	0.152	3.411	0.179	3.466	0.179	9.084	0.125	9.120	0.177	9.132	0.134	9.156	0.144	3.484	0.175	3.530	0.144	9.248	0.137
3.484	0.175	3.530	0.144	3.567	0.121	3.613	0.130	9.175	0.093	9.211	0.142	9.248	0.137	9.290	0.159	3.661	0.153	3.734	0.158	9.364	0.162
3.661	0.153	3.699	0.135	3.734	0.144	3.751	0.144	9.316	0.172	9.348	0.180	9.397	0.131	9.436	0.131	3.783	0.117	3.843	0.144	9.494	0.204
3.783	0.117	3.804	0.144	3.843	0.144	3.900	0.140	9.438	0.215	9.468	0.204	9.494	0.204	9.536	0.228	3.953	0.130	4.037	0.152	9.635	-0.037
3.953	0.130	3.990	0.153	4.037	0.152	4.057	0.174	9.570	0.125	9.602	0.058	9.635	-0.037	9.670	-0.127	4.085	0.183	4.107	0.179	9.785	0.203
4.085	0.183	4.107	0.179	4.144	0.138	4.216	0.120	9.688	-0.109	9.727	-0.015	9.753	0.119	9.785	0.203	4.272	0.133	4.329	0.150	9.884	-0.053
4.272	0.133	4.329	0.150	4.380	0.168	4.415	0.149	9.812	0.212	9.849	0.109	9.884	0.123	9.918	-0.053	4.441	0.131	4.464	0.144	10.016	0.123
4.441	0.131	4.464	0.144	4.500	0.130	4.542	0.138	9.952	-0.055	9.987	0.039	10.016	0.123	10.034	0.123	4.602	0.150	4.640	0.127	10.121	0.135
4.602	0.150	4.613	0.146	4.640	0.127	4.662	0.145	10.072	0.122	10.092	0.047	10.121	0.135	10.141	0.123	4.677	0.158	4.721	0.144	10.203	0.208
4.677	0.158	4.698	0.158	4.721	0.144	4.755	0.165	10.168	0.134	10.203	0.208	10.213	0.066	10.248	0.141	4.802	0.174	4.877	0.127	10.305	0.175
4.802	0.174	4.845	0.159	4.877	0.127	4.893	0.114	10.277	0.199	10.305	0.167	10.337	0.153	10.366	0.175	4.916	0.145	4.952	0.122	10.419	0.181
4.916	0.145	4.925	0.149	4.952	0.144	4.977	0.126	10.386	0.156	10.419	0.025	10.446	-0.074	10.481	-0.080	4.999	0.112	5.074	0.142	10.517	-0.057
4.999	0.112	5.030	0.125	5.074	0.142	5.130	0.136	10.517	-0.032	10.542	-0.055	10.574	-0.110	10.596	-0.097	5.150	0.145	5.166	0.162	10.656	0.203
5.150	0.145	5.166	0.138	5.191	0.162	5.228	0.139	10.626	-0.035	10.656	0.102	10.681	0.186	10.708	0.203	5.273	0.156	5.311	0.138	10.762	0.504
5.273	0.156	5.311	0.138	5.359	0.141	5.382	0.132	10.726	0.235	10.746	0.251	10.762	0.188	10.793	0.504	5.429	0.136	5.464	0.127	10.842	0.018
5.429	0.136	5.464	0.127	5.495	0.140	5.527	0.131	10.814	-0.109	10.842	-0.119	10.866	0.052	10.895	0.018						



10.912	0.063	10.934	0.134	10.959	0.196	10.975	0.204	15.524	-0.045	15.546	-0.158	15.567	-0.162	15.584	-0.171
11.002	0.190	11.022	0.203	11.043	0.220	11.074	0.143	15.600	-0.171	15.620	-0.158	15.639	-0.140	15.654	-0.096
11.102	0.093	11.125	0.079	11.151	-0.002	11.164	-0.042	15.670	-0.015	15.681	0.047	15.695	0.091	15.705	0.104
11.174	-0.052	11.188	-0.052	11.202	-0.052	11.216	-0.062	15.722	0.095	15.740	0.062	15.761	0.099	15.788	0.121
11.236	0.000	11.258	0.049	11.286	0.075	11.306	0.083	15.812	0.174	15.831	0.210	15.849	0.210	15.866	0.209
11.329	0.043	11.352	0.002	11.377	-0.053	11.395	-0.053	15.850	0.209	15.908	0.146	15.928	0.115	15.949	0.168
11.409	-0.058	11.427	-0.121	11.447	-0.162	11.475	-0.069	15.979	0.217	15.996	0.173	16.015	0.052	16.037	-0.074
11.496	0.038	11.512	0.131	11.530	0.229	11.541	0.282	16.054	-0.127	16.073	-0.163	16.090	-0.114	16.115	-0.038
11.558	0.313	11.576	0.264	11.592	0.214	11.621	0.137	16.139	0.029	16.159	0.069	16.177	0.086	16.199	0.059
11.642	0.136	11.660	0.136	11.680	0.073	11.700	-0.044	16.228	0.028	16.250	0.005	16.265	-0.013	16.282	-0.004
11.720	-0.112	11.747	-0.059	11.777	0.021	11.794	0.002	16.311	0.027	16.331	0.000	16.355	-0.062	16.374	-0.130
11.816	-0.012	11.839	0.023	11.859	0.072	11.877	0.071	16.350	-0.152	16.413	-0.094	16.440	0.027	16.454	0.085
11.894	0.062	11.914	0.052	11.929	0.051	11.945	0.066	16.467	0.143	16.488	0.183	16.517	0.125	16.537	0.066
11.956	-0.044	11.970	-0.102	11.980	-0.161	11.996	-0.184	16.563	0.008	16.580	-0.054	16.606	-0.144	16.627	-0.117
12.020	-0.122	12.036	-0.069	12.059	-0.030	12.083	-0.004	16.654	-0.046	16.667	-0.046	16.691	-0.042	16.715	0.066
12.106	0.058	12.135	0.124	12.156	0.159	12.175	0.113	16.735	0.182	16.750	0.249	16.781	0.307	16.807	0.275
12.192	0.036	12.210	-0.023	12.228	-0.086	12.240	-0.118	16.841	0.213	16.855	0.105	16.874	0.016	16.896	-0.092
12.260	-0.087	12.284	-0.057	12.306	-0.076	12.327	-0.103	16.911	-0.092	16.939	-0.047	16.961	-0.060	16.982	-0.002
12.357	-0.051	12.376	-0.007	12.401	0.051	12.425	0.158	17.024	-0.025	17.050	0.000	17.072	-0.038	17.115	0.002
12.448	0.282	12.470	0.367	12.488	0.393	12.505	0.393	17.153	0.060	17.181	0.020	17.201	0.002	17.228	0.033
12.521	0.361	12.537	0.289	12.553	0.217	12.565	0.127	17.261	0.087	17.281	0.066	17.305	0.086	17.327	0.095
12.581	0.046	12.599	-0.048	12.618	-0.107	12.628	-0.134	17.350	0.100	17.367	0.100	17.387	0.086	17.414	0.104
12.655	-0.130	12.679	-0.170	12.693	-0.216	12.716	-0.158	17.438	0.127	17.455	0.140	17.476	0.154	17.501	0.136
12.738	-0.150	12.754	-0.146	12.777	-0.142	12.798	-0.084	17.526	0.096	17.548	0.087	17.574	0.056	17.597	0.011
12.813	-0.071	12.831	-0.107	12.852	-0.153	12.867	-0.113	17.621	-0.033	17.646	-0.060	17.672	-0.082	17.699	-0.046
12.887	-0.028	12.903	0.079	12.924	0.146	12.944	0.200	17.723	-0.006	17.749	0.003	17.773	-0.064	17.801	0.135
12.970	0.245	12.990	0.262	13.009	0.307	13.033	0.325	17.815	-0.135	17.833	-0.131	17.858	-0.073	17.885	-0.014
13.055	0.298	13.073	0.249	13.091	0.181	13.109	0.150	17.909	-0.037	17.932	-0.050	17.971	-0.018	17.991	-0.018
13.131	0.092	13.148	0.016	13.168	-0.047	13.194	-0.065	18.021	-0.023	18.048	-0.022	18.070	-0.013	18.092	-0.022
13.214	0.024	13.231	0.056	13.248	0.105	13.266	0.082	18.118	-0.031	18.147	0.027	18.174	0.157	18.200	0.242
13.281	0.020	13.310	-0.061	13.335	-0.034	13.362	0.019	18.229	0.300	18.247	0.214	18.277	0.180	18.302	0.168
13.374	0.042	13.389	0.100	13.406	0.135	13.423	0.118	18.324	0.046	18.349	-0.030	18.371	-0.128	18.390	-0.213
13.446	0.050	13.461	-0.008	13.489	-0.070	13.513	-0.052	18.407	-0.245	18.431	-0.227	18.467	-0.210	18.497	-0.156
13.530	-0.052	13.550	-0.057	13.572	-0.033	13.593	0.086	18.518	-0.107	18.535	-0.045	18.551	0.000	18.566	0.076
13.609	0.064	13.624	0.019	13.642	-0.043	13.665	-0.052	18.584	0.152	18.604	0.170	18.627	0.143	18.650	0.098
13.683	-0.106	13.696	-0.173	13.709	-0.191	13.732	-0.151	18.682	0.053	18.701	0.017	18.725	0.003	18.745	-0.006
13.757	-0.052	13.775	0.024	13.801	0.113	13.819	0.216	18.763	-0.019	18.788	-0.010	18.811	-0.011	18.833	-0.011
13.847	0.346	13.864	0.341	13.880	0.314	13.894	0.278	18.856	0.011	18.877	0.056	18.895	0.078	18.916	0.078
13.910	0.193	13.922	0.100	13.934	-0.021	13.954	-0.111	18.935	0.068	18.957	0.068	18.975	0.068	19.011	0.031
13.971	-0.111	13.997	-0.053	14.023	-0.026	14.046	-0.039	19.032	0.062	19.060	0.134	19.081	0.160	19.111	0.173
14.075	-0.066	14.111	-0.008	14.141	-0.071	14.160	-0.111	19.136	0.162	19.145	0.203	19.201	0.212	19.230	0.158
14.175	-0.111	14.191	-0.111	14.219	-0.026	14.244	0.027	19.252	0.081	19.276	0.014	19.297	-0.031	19.324	-0.063
14.263	0.027	14.282	0.027	14.313	0.081	14.342	0.125	19.350	-0.104	19.381	-0.135	19.407	-0.118	19.430	-0.069
14.370	0.179	14.391	0.210	14.413	0.255	14.427	0.205	19.455	0.007	19.478	0.055	19.508	0.104	19.538	0.135
14.449	0.071	14.475	-0.077	14.494	-0.126	14.529	-0.149	19.559	0.135	19.590	0.089	19.610	0.067	19.632	0.004
14.556	-0.181	14.586	-0.123	14.614	0.020	14.633	0.149	19.656	-0.046	19.696	-0.028	19.738	-0.087	19.767	-0.070
14.651	0.256	14.675	0.346	14.695	0.368	14.718	0.305	19.755	-0.052	19.817	-0.008	19.844	0.027	19.877	0.022
14.736	0.175	14.757	0.041	14.783	-0.094	14.796	-0.179	19.803	0.018	19.823	0.018	19.854	-0.005	19.917	0.040
14.819	-0.237	14.863	-0.175	14.886	-0.176	14.908	-0.181	19.903	0.018	19.923	0.102	20.055	0.115	20.072	0.075
14.930	-0.101	14.946	0.029	14.973	0.167	15.003	0.220	20.104	0.000	20.121	0.006	20.147	0.006	20.170	-0.020
15.025	0.264	15.046	0.197	15.065	0.143	15.089	0.214	20.197	-0.015	20.217	-0.011	20.237	-0.007	20.260	-0.016
15.116	0.294	15.146	0.262	15.173	0.212	15.198	0.167	20.289	-0.034	20.312	0.006	20.331	0.073	20.357	0.104
15.218	0.166	15.234	0.166	15.264	0.148	15.285	0.138	20.382	0.100	20.405	0.066	20.426	0.100	20.446	0.086
15.309	0.102	15.327	0.035	15.347	-0.006	15.363	-0.006	20.465	0.082	20.465	0.086	20.507	0.082	20.532	0.033
15.380	0.007	15.392	0.002	15.411	-0.047	15.426	-0.106	20.549	-0.017	20.568	-0.061	20.585	-0.093	20.606	-0.115
15.442	-0.137	15.465	-0.089	15.483	-0.049	15.501	-0.044	20.633	-0.110	20.653	-0.057	20.676	-0.084	20.695	-0.070



20.715	-0.075	20.736	-0.039	20.758	-0.012	20.781	-0.043	26.618	-0.102	26.654	-0.110	26.684	-0.128	26.706	-0.151
20.803	-0.093	20.825	-0.110	20.852	-0.088	20.878	-0.057	26.739	-0.151	26.777	-0.124	26.803	-0.128	26.841	-0.151
20.905	-0.025	20.925	-0.006	20.958	-0.042	20.980	-0.078	26.868	-0.182	26.886	-0.169	26.933	-0.146	26.960	-0.133
21.008	0.109	21.033	0.113	21.057	0.114	21.070	0.105	26.979	-0.146	27.011	-0.169	27.038	-0.187	27.080	-0.182
21.095	0.124	21.124	-0.029	21.151	-0.056	21.176	-0.016	27.119	-0.169	27.170	-0.146	27.197	-0.137	27.236	-0.142
21.197	0.029	21.218	0.065	21.245	0.069	21.268	0.051	27.265	-0.151	27.280	-0.119	27.316	-0.119	27.337	-0.084
21.289	0.038	21.310	0.034	21.334	0.056	21.355	0.065	27.361	-0.048	27.391	-0.026	27.415	-0.008	27.441	0.053
21.374	0.061	21.397	0.007	21.425	-0.033	21.448	-0.029	27.468	0.033	27.491	0.015	27.524	-0.021	27.558	-0.061
21.470	-0.028	21.495	-0.028	21.517	-0.028	21.533	-0.028	27.564	-0.110	27.604	-0.128	27.639	-0.110	27.679	-0.088
21.565	0.066	21.593	0.115	21.617	0.084	21.647	0.026	27.712	-0.066	27.739	-0.077	27.775	-0.102	27.810	-0.088
21.675	-0.023	21.699	-0.072	21.726	-0.121	21.755	-0.139	27.829	-0.084	27.865	-0.102	27.887	-0.119	27.923	-0.146
21.779	-0.148	21.810	-0.152	21.834	-0.107	21.858	-0.062	27.962	-0.124	27.993	-0.079	28.021	-0.048	28.059	-0.012
21.879	-0.031	21.897	-0.013	21.916	0.004	21.944	-0.041	28.104	-0.042	28.113	-0.010	28.136	-0.037	28.166	-0.019
21.963	-0.072	21.982	-0.094	21.999	-0.099	22.015	-0.086	28.202	-0.021	28.241	-0.057	28.275	-0.084	28.300	-0.070
22.026	-0.037	22.037	-0.059	22.047	-0.037	22.069	-0.010	28.333	-0.088	28.371	-0.115	28.407	-0.137	28.445	-0.146
22.096	0.003	22.132	-0.002	22.162	-0.006	22.176	-0.006	28.455	-0.182	28.529	-0.204	28.564	-0.240	28.585	-0.227
22.191	0.011	22.211	0.016	22.230	0.007	22.248	-0.016	28.612	-0.285	28.634	-0.271	28.658	-0.254	28.688	-0.227
22.269	-0.061	22.297	-0.115	22.321	-0.164	22.351	-0.191	28.724	-0.222	28.763	-0.222	28.794	-0.204	28.806	-0.209
22.314	-0.200	22.340	-0.196	22.430	-0.170	22.447	-0.112	28.836	-0.209	28.872	-0.249	28.903	-0.249	28.927	-0.218
22.465	-0.077	22.489	-0.046	22.505	-0.047	22.515	-0.060	28.957	-0.178	28.986	-0.161	29.005	-0.161	29.040	-0.179
22.532	-0.088	22.552	-0.119	22.575	-0.147	22.598	-0.156	29.076	-0.202	29.112	-0.202	29.148	-0.207	29.182	-0.221
22.622	-0.139	22.635	-0.113	22.653	-0.059	22.685	-0.007	29.210	-0.234	29.242	-0.239	29.277	-0.248	29.298	-0.257
22.657	0.020	22.721	0.046	22.737	0.032	22.758	0.005	29.326	-0.285	29.359	-0.307	29.377	-0.307	29.410	-0.268
22.766	-0.040	22.813	-0.099	22.844	-0.154	22.870	-0.190	29.437	-0.206	29.470	-0.166	29.503	-0.149	29.539	-0.181
22.886	-0.204	22.904	-0.218	22.953	-0.201	22.951	-0.175	29.579	-0.181	29.610	-0.182	29.661	-0.183	29.689	-0.210
22.987	-0.140	23.013	-0.110	23.043	-0.102	23.069	-0.103	29.712	-0.233	29.737	-0.215	29.772	-0.212	29.813	-0.217
23.039	-0.108	23.106	-0.091	23.129	-0.091	23.160	-0.106	29.849	-0.249	29.895	-0.254	29.928	-0.245	29.955	-0.232
23.175	-0.106	23.194	-0.093	23.211	-0.094	23.235	-0.095	29.977	-0.237	30.008	-0.260	30.035	-0.273	30.067	-0.283
23.257	-0.091	23.275	-0.065	23.300	-0.034	23.318	-0.017	30.101	-0.275	30.139	-0.266	30.175	-0.244	30.209	-0.235
23.346	-0.018	23.365	-0.023	23.384	-0.042	23.408	-0.074	30.246	-0.267	30.276	-0.263	30.311	-0.263	30.357	-0.246
23.437	-0.106	23.465	-0.120	23.490	-0.121	23.521	-0.113	30.388	-0.237	30.416	-0.228	30.459	-0.206	30.505	-0.184
23.548	-0.096	23.577	-0.061	23.612	-0.030	23.636	-0.014	30.549	-0.193	30.588	-0.220	30.641	-0.234	30.684	-0.283
23.669	0.013	23.697	0.021	23.715	0.029	23.756	-0.012	30.728	-0.257	30.773	-0.333	30.808	-0.333	30.852	-0.315
23.789	-0.053	23.823	-0.104	23.853	-0.149	23.881	-0.177	30.856	-0.277	30.942	-0.271	30.983	-0.221	31.004	-0.186
23.911	-0.199	23.940	-0.222	23.965	-0.227	23.997	-0.205	31.044	-0.177	31.082	-0.181	31.132	-0.173	31.185	-0.155
24.036	-0.165	24.082	-0.152	24.118	-0.126	24.160	-0.113	31.246	-0.168	31.305	-0.173	31.377	-0.173	31.422	-0.177
24.187	-0.104	24.221	-0.060	24.253	-0.015	24.271	-0.011	31.465	-0.173	31.545	-0.164	31.567	-0.164	31.626	-0.173
24.302	-0.038	24.328	-0.070	24.355	-0.101	24.382	-0.097	31.665	-0.195	31.709	-0.204	31.763	-0.190	31.793	-0.181
24.466	-0.129	24.421	-0.138	24.436	-0.124	24.478	-0.098	31.846	-0.172	31.905	-0.155	31.955	-0.194	32.023	-0.194
24.504	-0.080	24.539	-0.049	24.577	-0.018	24.604	-0.023	32.052	-0.207	32.084	-0.265	32.128	-0.292	32.174	-0.287
24.632	-0.041	24.665	-0.059	24.700	-0.108	24.734	-0.167	32.222	-0.278	32.276	-0.277	32.314	-0.295	32.349	-0.331
24.769	-0.207	24.806	-0.234	24.838	-0.212	24.874	-0.168	32.403	-0.313	32.450	-0.304	32.458	-0.304	32.530	-0.304
24.901	-0.132	24.925	-0.132	24.957	-0.151	24.982	-0.169	32.565	-0.290	32.600	-0.290	32.631	-0.294	32.657	-0.285
25.009	-0.165	25.038	-0.147	25.062	-0.107	25.083	-0.063	32.708	-0.299	32.749	-0.334	32.774	-0.366	32.814	-0.383
25.103	-0.037	25.134	-0.046	25.171	-0.055	25.199	-0.051	32.849	-0.397	32.894	-0.352	32.933	-0.388	32.965	-0.374
25.219	-0.056	25.249	-0.092	25.283	-0.128	25.325	-0.147	32.987	-0.383	33.009	-0.401	33.047	-0.405	33.074	-0.401
25.351	-0.116	25.381	-0.089	25.421	-0.081	25.450	-0.081	33.102	-0.367	33.117	-0.374				
25.482	-0.103	25.509	-0.117	25.544	-0.113	25.576	-0.131								
25.617	-0.171	25.641	-0.172	25.667	-0.149	25.697	-0.136								
25.724	-0.159	25.745	-0.159	25.769	-0.132	25.796	-0.137								
25.822	-0.159	25.862	-0.137	25.906	-0.106	25.945	-0.084								
25.971	-0.052	26.002	-0.057	26.049	-0.066	26.081	-0.088								
26.107	-0.119	26.140	-0.119	26.193	-0.106	26.229	-0.115								
26.253	-0.057	26.285	-0.088	26.326	-0.115	26.360	-0.155								
26.394	-0.173	26.414	-0.164	26.442	-0.128	26.472	-0.079								
26.501	-0.043	26.525	-0.026	26.549	-0.030	26.583	-0.066								



IH 124

71.133 2/9/71 0600PST FULLERTON 2600 NUTWOOD AVE. BSMT. WEST

1410 POINTS 32.598 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 0.0743 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.024	0.027	0.042	0.041	0.042	0.082	0.042	4.138	0.026	4.174	0.035	4.158	0.070	4.225	0.061				
0.155	0.033	0.190	0.019	0.213	0.010	0.240	0.028	4.245	0.061	4.274	0.039	4.322	0.016	4.349	0.020				
0.250	0.055	0.269	0.046	0.278	0.028	0.309	0.015	4.373	0.015	4.394	0.028	4.426	0.045	4.459	0.049				
0.357	0.015	0.398	0.019	0.417	0.024	0.466	0.028	4.491	0.053	4.515	0.066	4.543	0.052	4.574	0.038				
0.504	0.028	0.567	0.019	0.600	0.028	0.628	0.024	4.613	0.042	4.635	0.041	4.662	0.032	4.682	0.014				
0.697	0.024	0.746	0.024	0.764	0.033	0.779	0.046	4.702	0.031	4.721	0.049	4.733	0.058	4.755	0.048				
0.758	0.037	0.813	0.033	0.838	0.028	0.862	0.024	4.776	0.035	4.797	0.021	4.817	0.011	4.841	0.011				
0.881	0.019	0.900	0.010	0.929	0.010	0.948	0.010	4.880	0.024	4.915	0.045	4.932	0.036	4.954	0.058				
0.966	0.028	0.979	0.028	1.001	0.037	1.037	0.042	4.980	0.058	4.988	0.044	5.010	0.048	5.037	0.039				
1.064	0.033	1.101	0.024	1.137	0.019	1.179	0.015	5.057	0.038	5.072	0.034	5.073	0.034	5.091	0.024				
1.205	0.010	1.247	0.006	1.278	0.019	1.294	0.037	5.112	0.020	5.137	0.015	5.161	0.023	5.179	0.050				
1.317	0.055	1.355	0.051	1.379	0.019	1.406	0.011	5.155	0.049	5.213	0.040	5.228	0.022	5.246	0.004				
1.430	0.006	1.476	0.015	1.526	0.042	1.551	0.034	5.269	0.021	5.256	0.030	5.303	0.030	5.332	0.020				
1.581	0.002	1.623	0.016	1.654	0.034	1.687	0.030	5.375	0.020	5.428	0.033	5.455	0.055	5.467	0.050				
1.717	0.030	1.742	0.017	1.756	0.012	1.762	0.012	5.518	0.036	5.554	0.014	5.603	0.009	5.627	0.018				
1.790	0.008	1.830	0.017	1.870	0.017	1.897	0.044	5.662	0.017	5.671	0.022	5.703	0.044	5.720	0.044				
1.933	0.036	1.967	0.036	1.986	0.032	2.018	0.037	5.740	0.057	5.768	0.030	5.791	0.025	5.819	0.034				
2.045	0.023	2.071	0.015	2.104	0.033	2.135	0.033	5.837	0.042	5.863	0.025	5.893	0.024	5.920	0.047				
2.180	0.034	2.209	0.020	2.243	0.017	2.257	0.012	5.939	0.056	5.963	0.038	5.994	0.033	6.030	0.033				
2.273	0.012	2.287	0.008	2.320	0.008	2.339	0.030	6.078	0.037	6.129	0.037	6.167	0.037	6.204	0.032				
2.344	0.031	2.349	0.031	2.354	0.031	2.360	0.031	6.235	0.050	6.331	0.009	6.362	0.027	6.366	0.009				
2.365	0.031	2.370	0.035	2.379	0.040	2.392	0.035	6.300	0.009	6.407	0.031	6.431	0.013	6.453	0.044				
2.410	0.035	2.426	0.049	2.434	0.053	2.449	0.054	6.467	0.031	6.502	0.057	6.517	0.057	6.545	0.029				
2.457	0.054	2.471	0.045	2.494	0.018	2.518	0.023	6.565	0.029	6.556	0.029	6.611	0.020	6.627	0.011				
2.568	0.010	2.577	0.019	2.591	0.032	2.615	0.041	6.584	0.011	6.678	0.010	6.701	0.019	6.704	0.055				
2.640	0.041	2.662	0.042	2.689	0.028	2.717	0.020	6.654	0.011	6.755	0.054	6.768	0.036	6.782	0.014				
2.738	0.024	2.774	0.033	2.786	0.038	2.824	0.047	6.733	0.059	6.824	0.009	6.837	0.009	6.860	0.017				
2.848	0.056	2.862	0.038	2.881	0.030	2.902	0.025	6.758	0.000	6.900	0.026	6.917	0.034	6.935	0.034				
2.924	0.025	2.948	0.030	2.975	0.021	3.007	0.057	6.872	0.017	7.024	0.041	7.039	0.059	7.061	0.067				
3.025	0.026	3.046	0.062	3.069	0.053	3.088	0.039	6.983	0.033	7.057	0.031	7.105	0.013	7.125	0.017				
3.101	0.026	3.139	0.031	3.140	0.031	3.183	0.026	7.064	0.044	7.178	0.047	7.179	0.047	7.203	0.029				
3.214	0.018	3.241	0.053	3.258	0.054	3.274	0.067	7.152	0.015	7.244	0.019	7.277	0.046	7.279	0.037				
3.303	0.045	3.321	0.058	3.339	0.067	3.357	0.067	7.221	0.015	7.330	0.022	7.360	0.013	7.367	0.012				
3.378	0.045	3.404	0.032	3.430	0.018	3.460	0.023	7.294	0.023	7.480	0.033	7.512	0.055	7.552	0.050				
3.487	0.041	3.506	0.045	3.535	0.045	3.561	0.045	7.441	0.011	7.612	0.049	7.639	0.012	7.666	0.007				
3.565	0.037	3.608	0.023	3.630	0.019	3.651	0.019	7.580	0.054	7.612	0.049	7.639	0.012	7.666	0.007				
3.684	0.041	3.716	0.055	3.740	0.064	3.762	0.041	7.658	0.016	7.726	0.015	7.752	0.001	7.783	0.001				
3.801	0.037	3.835	0.028	3.870	0.059	3.908	0.041	7.809	0.009	7.810	0.009	7.841	0.009	7.868	0.027				
3.932	0.014	3.952	0.009	3.974	0.009	3.995	0.054	7.884	0.053	7.893	0.053	7.918	0.044	7.942	0.027				
4.020	0.054	4.042	0.053	4.070	0.031	4.105	0.022	7.969	0.016	7.998	0.003	8.016	0.007	8.050	0.007				



8.086	0.002	8.101	0.002	8.122	0.024	8.142	0.041	12.293	-0.220	12.306	-0.203	12.329	-0.101	12.353	0.046
8.148	0.028	8.161	0.028	8.200	0.032	8.226	0.014	12.370	0.126	12.388	0.144	12.427	0.054	12.458	0.035
8.259	0.009	8.289	0.008	8.324	0.008	8.345	0.021	12.482	-0.028	12.517	-0.159	12.534	-0.231	12.549	-0.254
8.373	0.039	8.396	0.056	8.426	0.061	8.445	0.060	12.573	-0.165	12.597	-0.009	12.612	0.071	12.625	0.102
8.472	0.020	8.506	0.010	8.524	0.010	8.550	0.028	12.639	0.093	12.661	0.008	12.682	-0.132	12.702	-0.213
8.569	0.068	8.592	0.090	8.607	0.067	8.629	0.049	12.714	-0.226	12.740	-0.124	12.767	-0.004	12.780	0.067
8.658	0.058	8.659	0.058	8.682	0.080	8.703	0.102	12.816	0.102	12.837	0.124	12.881	0.236	12.904	0.218
8.712	0.102	8.730	0.079	8.754	0.070	8.772	0.030	12.947	0.177	12.973	0.029	12.993	-0.096	13.016	-0.149
8.788	0.020	8.814	0.020	8.829	-0.056	8.856	-0.101	13.039	-0.114	13.070	-0.042	13.093	-0.020	13.132	-0.047
8.875	-0.110	8.884	-0.110	8.913	-0.079	8.943	-0.035	13.147	-0.047	13.177	0.006	13.207	0.047	13.228	0.046
8.957	-0.035	8.975	-0.014	8.989	0.050	9.007	0.081	13.258	0.015	13.285	-0.025	13.305	-0.039	13.325	-0.034
9.019	0.076	9.020	0.076	9.035	0.058	9.057	0.027	13.359	-0.106	13.396	-0.151	13.425	-0.052	13.451	-0.109
9.066	0.074	9.081	-0.027	9.101	-0.063	9.127	-0.086	13.465	0.234	13.483	0.328	13.514	0.355	13.544	0.216
9.150	-0.077	9.164	-0.033	9.189	0.003	9.200	0.056	13.552	0.140	13.566	0.037	13.583	-0.070	13.600	-0.133
9.209	0.056	9.230	0.105	9.257	0.109	9.286	0.105	13.622	-0.169	13.646	-0.169	13.667	-0.191	13.682	-0.182
9.317	0.068	9.344	0.064	9.365	0.064	9.352	0.064	13.706	-0.097	13.716	-0.057	13.728	0.001	13.741	0.033
9.467	0.000	9.481	-0.009	9.499	-0.023	9.452	0.014	13.756	-0.042	13.771	-0.003	13.787	-0.061	13.802	-0.110
9.511	-0.000	9.551	0.080	9.569	0.124	9.590	0.138	13.823	-0.164	13.836	-0.200	13.859	-0.218	13.877	-0.191
9.611	0.160	9.629	0.124	9.644	0.070	9.661	0.067	13.856	-0.146	13.916	-0.057	13.938	-0.057	13.961	-0.039
9.682	-0.069	9.694	-0.114	9.718	-0.172	9.741	-0.181	13.984	0.001	14.006	0.046	14.028	0.063	14.043	0.068
9.762	-0.168	9.787	-0.061	9.795	-0.057	9.813	-0.021	14.066	0.104	14.082	0.113	14.057	0.099	14.112	0.059
9.829	0.006	9.841	0.010	9.849	0.014	9.862	0.054	14.127	0.014	14.143	-0.004	14.157	-0.008	14.176	0.023
9.885	0.054	9.898	0.049	9.923	0.089	9.943	0.097	14.258	0.094	14.276	0.036	14.290	0.005	14.308	0.009
9.959	0.057	9.973	0.030	10.002	0.025	10.023	-0.007	14.323	0.023	14.342	0.049	14.356	0.040	14.374	-0.036
10.037	-0.052	10.064	-0.030	10.084	0.014	10.113	0.018	14.389	-0.013	14.406	-0.148	14.426	-0.175	14.448	-0.140
10.136	0.026	10.162	0.017	10.182	0.070	10.200	0.088	14.461	-0.086	14.471	-0.033	14.502	0.003	14.502	0.006
10.235	0.105	10.243	0.100	10.269	0.122	10.292	0.104	14.516	-0.047	14.535	-0.110	14.553	-0.128	14.569	-0.074
10.307	0.090	10.323	0.049	10.331	0.013	10.347	0.050	14.584	0.002	14.593	0.033	14.609	0.060	14.629	0.006
10.362	-0.077	10.383	-0.078	10.391	-0.078	10.417	-0.097	14.644	-0.030	14.658	-0.044	14.671	-0.026	14.651	0.050
10.444	-0.125	10.456	-0.121	10.462	-0.103	10.480	-0.068	14.711	0.021	14.731	0.170	14.745	0.130	14.761	0.027
10.455	-0.050	10.508	-0.028	10.524	-0.007	10.529	-0.016	14.777	0.099	14.755	-0.166	14.812	-0.157	14.827	-0.077
10.535	-0.002	10.555	-0.003	10.568	-0.030	10.578	-0.067	14.848	-0.015	14.866	0.007	14.887	0.011	14.907	-0.003
10.592	-0.089	10.611	-0.090	10.612	-0.090	10.645	-0.051	14.931	-0.021	14.950	-0.021	14.964	-0.004	14.986	0.000
10.654	-0.024	10.663	0.029	10.679	0.091	10.695	0.140	15.003	-0.018	15.022	-0.068	15.034	-0.059	15.052	-0.019
10.709	0.175	10.715	0.161	10.733	0.170	10.749	0.201	15.075	0.039	15.091	0.056	15.108	0.034	15.127	-0.007
10.765	0.240	10.769	0.236	10.786	0.226	10.796	0.159	15.150	-0.052	15.174	-0.057	15.196	-0.125	15.212	-0.134
10.802	0.123	10.813	0.060	10.829	-0.012	10.835	-0.057	15.237	-0.072	15.253	-0.019	15.271	0.017	15.291	0.052
10.842	-0.129	10.850	-0.129	10.856	-0.138	10.857	-0.138	15.312	0.079	15.342	0.105	15.361	0.087	15.380	0.046
10.859	-0.165	10.861	-0.188	10.864	-0.183	10.869	-0.174	15.359	-0.003	15.423	-0.026	15.441	-0.026	15.454	-0.026
10.879	-0.152	10.896	-0.104	10.910	-0.050	10.919	-0.019	15.472	-0.040	15.490	-0.081	15.515	-0.117	15.544	-0.149
10.931	-0.002	10.950	-0.007	10.974	-0.007	11.006	0.041	15.568	-0.140	15.582	-0.127	15.588	-0.033	15.624	0.047
11.031	0.058	11.055	0.053	11.080	0.030	11.109	0.083	15.648	0.127	15.672	0.185	15.688	0.198	15.713	0.144
11.136	0.123	11.158	0.100	11.176	0.068	11.199	0.031	15.732	0.001	15.750	-0.013	15.768	-0.090	15.781	-0.152
11.221	-0.022	11.245	-0.021	11.271	-0.015	11.295	-0.056	15.806	-0.193	15.833	-0.144	15.857	-0.108	15.877	-0.100
11.321	-0.075	11.335	-0.013	11.359	0.067	11.377	0.129	15.857	-0.086	15.917	-0.011	15.950	0.057	15.976	0.096
11.389	0.120	11.405	0.070	11.425	0.025	11.446	0.060	16.004	-0.040	16.025	-0.051	16.041	-0.137	16.058	-0.181
11.466	0.087	11.487	0.077	11.516	0.054	11.543	0.031	16.068	-0.155	16.088	-0.150	16.105	-0.052	16.127	0.042
11.566	0.084	11.595	0.101	11.614	0.060	11.630	0.012	16.150	0.091	16.168	0.086	16.185	0.086	16.214	0.166
11.649	-0.102	11.672	-0.179	11.684	-0.193	11.708	-0.144	16.236	0.001	16.263	0.211	16.283	0.157	16.304	0.081
11.729	0.104	11.747	0.114	11.777	0.140	11.795	0.097	16.322	0.005	16.340	-0.103	16.357	-0.161	16.381	-0.219
11.817	0.005	11.837	0.098	11.856	0.120	11.873	0.101	16.358	-0.028	16.429	-0.143	16.448	-0.045	16.465	0.044
11.900	-0.028	11.920	0.001	11.945	-0.063	11.974	-0.122	16.484	0.138	16.511	0.196	16.537	0.129	16.558	0.089
11.999	-0.119	12.031	-0.048	12.063	0.008	12.099	0.083	16.582	0.088	16.603	0.051	16.626	0.008	16.644	-0.091
12.122	0.136	12.142	0.162	12.159	0.112	12.184	0.035	16.659	-0.162	16.676	-0.185	16.687	-0.122	16.722	-0.033
12.202	-0.024	12.225	-0.061	12.249	-0.089	12.274	-0.161	16.742	0.043	16.764	0.123	16.788	0.155	16.811	0.208



16.829	0.204	16.848	0.137	16.863	0.038	16.881	-0.060	22.154	-0.083	22.210	-0.087	22.227	-0.056	22.245	-0.123
16.896	-0.105	16.920	-0.114	16.941	-0.101	16.968	-0.052	22.264	-0.146	22.285	-0.150	22.307	-0.160	22.321	-0.151
16.989	-0.055	17.016	-0.024	17.040	-0.038	17.060	0.029	22.343	-0.138	22.354	-0.120	22.377	-0.107	22.399	-0.081
17.079	-0.025	17.099	-0.114	17.113	-0.182	17.135	-0.213	22.415	-0.059	22.432	-0.046	22.456	-0.047	22.477	-0.043
17.151	-0.168	17.178	-0.074	17.207	-0.034	17.224	-0.007	22.504	-0.039	22.523	-0.017	22.545	-0.014	22.565	-0.005
17.242	-0.046	17.267	0.082	17.283	0.100	17.306	0.144	22.584	-0.001	22.596	0.017	22.622	0.074	22.635	0.101
17.328	0.171	17.352	0.127	17.369	0.037	17.390	-0.052	22.650	0.123	22.662	0.127	22.680	0.055	22.692	0.064
17.413	-0.079	17.432	-0.034	17.456	0.047	17.480	0.083	22.707	0.041	22.717	0.005	22.736	-0.022	22.757	-0.036
17.503	-0.114	17.531	-0.119	17.557	0.078	17.576	0.029	22.781	-0.046	22.804	-0.051	22.831	-0.085	22.837	-0.068
17.590	-0.006	17.619	-0.029	17.634	-0.033	17.657	0.034	22.871	-0.093	22.891	-0.054	22.910	-0.085	22.937	-0.068
17.674	-0.092	17.694	-0.119	17.718	-0.075	17.736	0.043	22.959	-0.051	22.976	-0.030	22.997	-0.001	23.016	-0.018
17.759	-0.019	17.787	-0.073	17.810	-0.059	17.832	0.030	23.033	-0.022	23.054	-0.008	23.081	-0.015	23.099	-0.038
17.852	0.084	17.870	0.116	17.891	0.066	17.914	0.004	23.120	-0.070	23.136	-0.084	23.152	-0.094	23.173	-0.099
17.941	-0.041	17.974	-0.108	18.002	-0.157	18.032	-0.188	23.201	-0.095	23.215	-0.062	23.236	-0.065	23.250	-0.025
18.048	-0.156	18.073	-0.027	18.096	0.063	18.122	0.117	23.269	-0.064	23.286	-0.052	23.302	-0.000	23.327	-0.019
18.154	0.117	18.180	0.121	18.204	0.072	18.233	0.032	23.360	-0.047	23.377	-0.052	23.396	-0.088	23.408	-0.111
18.264	0.028	18.287	0.037	18.319	-0.066	18.347	-0.133	23.425	-0.125	23.435	-0.165	23.448	-0.166	23.467	-0.148
18.368	-0.147	18.395	-0.057	18.423	0.050	18.446	0.090	23.497	-0.122	23.513	-0.087	23.530	-0.052	23.552	-0.048
18.473	-0.099	18.506	0.072	18.534	0.045	18.552	0.040	23.567	-0.044	23.592	-0.062	23.606	-0.072	23.621	-0.068
18.585	0.076	18.610	0.102	18.629	0.142	18.651	0.178	23.645	-0.046	23.664	-0.033	23.682	-0.029	23.700	-0.043
18.674	0.138	18.700	0.088	18.716	-0.060	18.733	-0.056	23.720	-0.084	23.736	-0.037	23.758	-0.125	23.774	-0.135
18.776	-0.052	18.794	-0.073	18.815	-0.060	18.833	-0.059	23.801	-0.145	23.825	-0.132	23.844	-0.083	23.864	-0.034
18.860	-0.052	18.871	-0.052	18.894	-0.017	18.920	0.019	23.885	-0.002	23.907	0.033	23.920	-0.042	23.937	-0.037
18.953	0.027	18.986	0.040	19.024	-0.005	19.046	0.003	23.964	-0.008	23.984	-0.040	24.007	-0.080	24.030	-0.107
19.072	0.012	19.092	-0.002	19.115	-0.016	19.142	-0.016	24.058	-0.112	24.080	-0.059	24.110	-0.059	24.130	-0.005
19.163	0.002	19.186	0.050	19.210	0.139	19.228	0.179	24.157	-0.048	24.180	-0.032	24.204	-0.038	24.225	-0.011
19.243	0.202	19.269	0.165	19.296	0.093	19.324	0.048	24.248	-0.002	24.277	-0.033	24.308	-0.021	24.343	-0.048
19.348	-0.019	19.371	-0.105	19.402	-0.132	19.432	-0.114	24.371	-0.088	24.390	-0.129	24.408	-0.151	24.433	-0.151
19.452	-0.079	19.477	-0.003	19.492	0.059	19.516	0.157	24.466	-0.143	24.488	-0.112	24.509	-0.076	24.531	-0.027
19.548	0.228	19.575	0.196	19.598	0.147	19.621	0.088	24.550	0.022	24.565	0.058	24.591	0.039	24.613	0.111
19.650	0.016	19.668	0.016	19.681	0.016	19.709	-0.034	24.634	0.124	24.655	0.111	24.679	0.056	24.700	0.044
19.734	-0.068	19.754	-0.119	19.782	-0.156	19.805	-0.129	24.718	0.030	24.748	0.020	24.858	-0.007	24.881	-0.021
19.826	-0.094	19.846	-0.063	19.868	-0.018	19.888	0.022	24.811	0.043	24.833	0.036	24.951	0.010	24.969	0.005
19.918	0.071	19.950	0.026	19.978	-0.010	20.010	-0.068	24.908	-0.012	24.928	-0.003	24.951	-0.036	25.064	-0.028
20.014	-0.038	20.054	-0.055	20.076	-0.073	20.091	-0.082	24.988	-0.009	25.023	-0.036	25.045	-0.036	25.163	-0.060
20.114	-0.123	20.140	0.065	20.165	0.154	20.188	0.190	25.085	-0.023	25.106	-0.028	25.131	-0.046	25.163	-0.060
20.211	0.075	20.239	-0.007	20.257	-0.079	20.286	-0.124	25.188	-0.061	25.208	-0.047	25.235	-0.061	25.273	-0.053
20.323	-0.075	20.360	-0.030	20.394	0.028	20.423	0.082	25.315	-0.027	25.342	-0.009	25.366	0.004	25.386	0.018
20.448	0.127	20.469	0.082	20.492	0.024	20.515	-0.043	25.423	-0.026	25.441	0.022	25.476	-0.010	25.502	-0.003
20.538	-0.057	20.564	-0.048	20.590	-0.030	20.616	0.001	25.533	-0.001	25.548	0.003	25.561	-0.010	25.586	-0.003
20.644	0.328	20.664	0.033	20.684	0.024	20.708	-0.017	25.607	-0.051	25.634	-0.060	25.667	-0.069	25.687	-0.074
20.734	-0.012	20.767	-0.043	20.797	-0.039	20.820	-0.030	25.711	-0.074	25.748	-0.070	25.783	-0.057	25.822	-0.028
20.869	-0.012	20.877	0.006	20.903	0.001	20.929	0.024	25.849	-0.021	25.876	-0.012	25.897	0.010	25.918	0.028
20.956	0.055	20.994	0.040	21.018	0.069	21.050	0.087	25.943	0.059	25.972	0.073	25.998	0.086	26.025	0.068
21.081	-0.073	21.102	-0.051	21.134	0.051	21.155	0.015	26.054	0.050	26.080	0.010	26.115	-0.010	26.148	0.001
21.182	-0.034	21.204	-0.074	21.233	-0.096	21.271	-0.109	26.172	-0.026	26.200	-0.039	26.226	-0.052	26.245	-0.075
21.305	-0.118	21.331	-0.087	21.362	-0.064	21.383	-0.064	26.270	-0.052	26.291	-0.066	26.321	-0.068	26.340	-0.075
21.407	-0.055	21.432	-0.060	21.450	-0.086	21.479	-0.108	26.362	-0.043	26.393	-0.021	26.421	-0.008	26.443	-0.003
21.505	-0.077	21.526	-0.055	21.550	-0.068	21.581	-0.063	26.469	-0.006	26.493	0.024	26.521	0.010	26.550	-0.017
21.600	-0.135	21.615	-0.139	21.648	-0.090	21.681	-0.054	26.574	-0.006	26.592	0.043	26.616	-0.026	26.640	-0.034
21.712	-0.045	21.741	-0.040	21.768	-0.040	21.798	-0.054	26.663	-0.029	26.685	-0.030	26.712	-0.008	26.745	-0.006
21.816	-0.062	21.856	-0.040	21.886	-0.040	21.908	-0.004	26.758	-0.039	26.787	0.050	26.821	-0.008	26.845	0.073
21.938	-0.027	21.961	-0.010	21.974	-0.005	21.987	0.004	26.888	-0.039	26.915	0.050	26.945	0.073	26.968	0.104
22.002	0.021	22.020	0.048	22.036	0.070	22.050	0.070	26.951	0.064	27.014	0.068	27.042	0.086	27.065	0.104
22.051	0.070	22.059	0.066	22.075	0.052	22.098	0.021	27.086	0.095	27.108	0.068	27.144	0.037	27.177	0.019
22.115	-0.015	22.135	-0.051	22.153	-0.074	22.173	-0.074	27.155	0.010	27.226	0.010	27.262	0.010	27.301	0.006



27.331	0.006	27.361	0.001	27.400	-0.012	27.429	-0.230
27.458	-0.043	27.491	-0.052	27.527	-0.043	27.544	-0.021
27.592	-0.017	27.592	-0.017	27.613	-0.034	27.642	-0.052
27.670	-0.052	27.702	-0.061	27.735	-0.079	27.765	-0.084
27.793	-0.088	27.807	-0.088	27.840	-0.084	27.868	-0.084
27.895	-0.088	27.929	-0.084	27.957	-0.057	27.981	-0.057
28.007	-0.048	28.035	-0.048	28.055	-0.039	28.077	-0.030
28.098	-0.021	28.118	-0.010	28.139	-0.024	28.161	-0.033
28.191	-0.037	28.222	-0.037	28.249	-0.037	28.275	-0.028
28.299	0.015	28.328	0.019	28.361	0.019	28.356	0.046
28.439	0.064	28.464	0.086	28.497	0.109	28.537	0.055
28.556	0.077	28.586	0.055	28.613	0.064	28.637	0.064
28.661	0.064	28.688	0.064	28.713	0.050	28.740	0.033
28.758	0.024	28.782	0.010	28.812	-0.030	28.833	-0.061
28.851	-0.062	28.869	-0.053	28.895	-0.044	28.911	-0.013
28.933	0.000	28.972	-0.004	29.002	-0.014	29.033	-0.010
29.064	-0.014	29.095	-0.019	29.119	-0.033	29.143	-0.055
29.167	-0.073	29.193	-0.082	29.218	-0.083	29.245	-0.092
29.273	-0.101	29.302	-0.101	29.335	-0.097	29.360	-0.084
29.387	-0.094	29.407	-0.090	29.434	-0.072	29.461	-0.059
29.490	-0.046	29.514	-0.038	29.534	-0.025	29.559	-0.007
29.585	-0.017	29.614	-0.035	29.646	-0.063	29.680	-0.077
29.703	-0.082	29.734	-0.100	29.774	-0.119	29.815	-0.092
29.844	-0.062	29.865	-0.044	29.893	-0.013	29.914	0.018
29.937	0.045	29.958	0.045	29.994	0.031	30.028	0.003
30.059	-0.028	30.092	-0.033	30.118	-0.038	30.145	-0.038
30.173	-0.056	30.206	-0.057	30.246	-0.079	30.269	-0.058
30.305	-0.107	30.336	-0.112	30.366	-0.112	30.387	-0.090
30.408	-0.054	30.426	-0.032	30.455	-0.014	30.477	-0.005
30.502	-0.005	30.528	-0.005	30.555	-0.028	30.579	-0.059
30.602	-0.082	30.628	-0.095	30.660	-0.082	30.689	-0.069
30.725	-0.069	30.753	-0.069	30.780	-0.042	30.806	-0.038
30.837	-0.056	30.887	-0.078	30.908	-0.074	30.944	-0.060
30.981	-0.043	31.007	-0.047	31.040	-0.061	31.070	-0.092
31.093	-0.128	31.125	-0.173	31.152	-0.177	31.186	-0.177
31.216	-0.182	31.233	-0.168	31.263	-0.151	31.290	-0.124
31.321	-0.037	31.360	-0.093	31.390	-0.092	31.432	-0.088
31.463	-0.088	31.493	-0.079	31.518	-0.061	31.548	-0.038
31.574	-0.012	31.601	-0.033	31.630	0.091	31.668	0.087
31.693	0.087	31.718	0.078	31.754	0.078	31.781	0.056
31.813	0.020	31.840	-0.002	31.880	-0.024	31.913	-0.028
31.950	-0.010	31.981	-0.010	32.017	-0.010	32.039	-0.001
32.071	-0.001	32.102	-0.028	32.128	-0.045	32.159	-0.054
32.192	-0.041	32.234	-0.009	32.271	-0.009	32.324	-0.013
32.360	-0.018	32.385	-0.022	32.416	-0.044	32.445	-0.026
32.466	-0.013	32.494	-0.023	32.526	-0.054	32.559	0.077
32.599	0.081	32.633	0.068	32.680	0.037	32.741	0.006
32.791	-0.021	32.825	-0.043	32.864	-0.052	32.907	-0.057
32.946	-0.070	32.998	-0.052				



71L133 2/9/71 0600PST FULLERTON 2600 NUTWOOD AVE. BSMT. DOWN

1425 POINTS 33.097 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 0.0623 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.076	0.021	0.080	0.038	0.071	0.056	0.071	2.859	0.068	2.929	0.046	2.559	0.029	2.975	0.060
0.066	0.062	0.080	0.040	0.098	0.014	0.040	0.010	2.994	0.104	3.006	0.117	3.018	0.134	3.036	0.117
0.123	0.014	0.137	0.032	0.155	0.054	0.168	0.071	3.055	0.113	3.063	0.100	3.099	0.108	3.109	0.095
0.182	0.080	0.196	0.071	0.213	0.040	0.227	0.018	3.124	0.065	3.135	0.067	3.150	0.047	3.171	0.052
0.238	0.010	0.252	0.018	0.269	0.032	0.286	0.049	3.187	0.030	3.198	0.021	3.212	0.039	3.217	0.061
0.304	0.062	0.315	0.089	0.329	0.106	0.346	0.093	3.227	0.052	3.247	0.052	3.266	0.058	3.287	0.087
0.364	0.076	0.388	0.038	0.407	0.036	0.423	0.023	3.305	0.056	3.328	0.056	3.342	0.061	3.357	0.083
0.440	0.010	0.456	0.023	0.477	0.067	0.498	0.089	3.370	0.061	3.388	0.048	3.410	0.022	3.432	0.048
0.522	0.106	0.538	0.093	0.549	0.071	0.566	0.058	3.452	0.084	3.473	0.057	3.491	0.088	3.569	0.100
0.586	0.080	0.604	0.038	0.622	0.067	0.638	0.058	3.531	0.093	3.551	0.062	3.571	0.088	3.587	0.110
0.659	0.045	0.667	0.054	0.677	0.067	0.690	0.080	3.610	0.093	3.633	0.053	3.641	0.049	3.659	0.075
0.707	0.058	0.722	0.032	0.738	0.036	0.753	0.062	3.672	0.066	3.686	0.049	3.701	0.044	3.725	0.075
0.773	0.084	0.789	0.058	0.802	0.023	0.823	-0.008	3.746	0.106	3.765	0.119	3.785	0.104	3.804	0.111
0.833	-0.017	0.847	0.014	0.870	0.045	0.887	0.089	3.827	0.075	3.843	0.023	3.861	0.001	3.886	0.001
0.907	0.120	0.922	0.120	0.949	0.102	0.971	0.062	3.917	0.018	3.938	0.040	3.953	0.031	3.973	0.066
0.986	0.067	1.004	0.080	1.027	0.062	1.047	0.067	3.991	0.053	4.001	0.091	4.013	0.061	4.033	0.070
1.067	0.054	1.094	0.054	1.114	0.049	1.127	0.027	4.033	0.092	4.057	0.074	4.075	0.043	4.105	0.021
1.137	0.036	1.146	0.062	1.164	0.084	1.184	0.080	4.138	0.047	4.164	0.079	4.182	0.117	4.201	0.131
1.191	0.058	1.209	0.071	1.230	0.058	1.245	0.067	4.219	0.100	4.245	0.082	4.263	0.095	4.276	0.051
1.282	0.071	1.286	0.067	1.307	0.045	1.331	0.032	4.302	0.038	4.324	0.020	4.343	0.046	4.368	0.064
1.346	0.040	1.366	0.036	1.402	0.036	1.423	0.027	4.381	0.065	4.397	0.103	4.409	0.063	4.419	0.067
1.437	0.041	1.451	0.063	1.472	0.063	1.494	0.054	4.436	0.089	4.453	0.097	4.468	0.084	4.495	0.123
1.519	0.041	1.525	0.032	1.541	0.050	1.555	0.072	4.508	0.118	4.538	0.100	4.566	0.065	4.596	0.133
1.586	0.076	1.610	0.068	1.623	0.035	1.645	0.072	4.613	0.046	4.637	0.057	4.655	0.155	4.668	0.133
1.661	0.094	1.687	0.081	1.697	0.068	1.721	0.073	4.653	0.097	4.721	0.057	4.738	0.062	4.759	0.066
1.745	0.060	1.773	0.073	1.794	0.055	1.802	0.034	4.788	0.065	4.806	0.060	4.830	0.108	4.847	0.121
1.819	0.016	1.841	0.034	1.851	0.056	1.868	0.091	4.857	0.121	4.876	0.072	4.888	0.068	4.904	0.089
1.891	0.062	1.904	0.052	1.913	0.061	1.925	0.078	4.922	0.071	4.940	0.102	4.957	0.106	4.973	0.071
1.935	0.105	1.958	0.074	1.980	0.052	2.010	0.070	4.984	0.096	5.002	0.123	5.020	0.140	5.032	0.056
2.028	0.101	2.058	0.106	2.091	0.115	2.113	0.089	5.051	0.096	5.069	0.055	5.098	0.095	5.109	0.081
2.131	0.062	2.149	0.032	2.185	0.037	2.218	0.059	5.127	0.028	5.138	0.002	5.151	0.015	5.179	0.032
2.259	0.064	2.284	0.051	2.301	0.077	2.318	0.066	5.157	0.036	5.213	0.062	5.242	0.070	5.267	0.061
2.337	0.060	2.348	0.042	2.356	0.051	2.369	0.069	5.251	0.025	5.317	0.038	5.322	0.038	5.344	0.029
2.383	0.100	2.397	0.122	2.416	0.140	2.434	0.118	5.370	0.077	5.394	0.054	5.444	0.080	5.505	0.058
2.455	0.078	2.481	0.065	2.513	0.074	2.528	0.066	5.533	0.093	5.553	0.119	5.569	0.119	5.599	0.053
2.542	0.044	2.557	0.031	2.566	0.048	2.581	0.048	5.632	0.013	5.662	-0.001	5.680	0.043	5.687	0.043
2.597	0.031	2.614	0.035	2.642	0.036	2.651	0.036	5.708	0.078	5.741	0.113	5.770	0.100	5.788	0.077
2.674	0.062	2.686	0.089	2.710	0.102	2.716	0.084	5.708	0.078	5.824	0.104	5.838	0.059	5.868	0.042
2.735	0.054	2.751	0.045	2.770	0.063	2.804	0.081	5.910	0.006	5.937	0.015	5.953	0.034	5.968	0.059
2.816	0.072	2.836	0.058	2.858	0.107	2.880	0.095	5.958	0.015	6.008	0.015	6.023	0.067	6.061	0.137



6.077	0.124	6.058	0.102	6.125	0.111	6.147	6.080	11.264	6.102	11.222	0.071	11.236	6.031	11.251	-6.005
6.164	0.067	6.180	0.080	6.202	0.018	6.223	-0.017	11.218	6.017	11.299	-0.019	11.316	-0.063	11.337	-0.139
6.235	-0.022	6.255	0.049	6.278	0.106	6.292	0.136	11.254	-0.108	11.314	-0.047	11.392	0.014	11.413	6.035
6.316	0.092	6.337	0.083	6.364	0.013	6.391	0.039	11.421	0.035	11.439	0.083	11.455	0.100	11.475	0.086
6.407	0.057	6.437	0.021	6.447	0.047	6.466	0.096	11.490	0.068	11.500	0.059	11.521	0.032	11.537	6.001
6.485	0.113	6.513	0.084	6.533	0.025	6.547	0.051	11.552	-0.017	11.575	-0.049	11.591	-0.036	11.611	-6.010
6.564	0.051	6.583	-0.002	6.609	0.007	6.628	0.072	11.633	0.011	11.656	0.032	11.680	0.054	11.701	6.014
6.640	0.063	6.668	0.072	6.685	0.124	6.698	0.133	11.717	-0.009	11.730	-0.031	11.744	-0.049	11.765	-6.059
6.722	0.071	6.751	0.010	6.779	-0.026	6.818	-0.035	11.789	-0.090	11.809	-0.025	11.827	0.045	11.844	0.102
6.835	0.035	6.857	0.092	6.875	0.118	6.891	0.114	11.860	0.071	11.881	0.039	11.904	0.087	11.921	0.099
6.909	0.118	6.935	0.078	6.968	0.064	6.989	0.090	11.938	0.094	11.962	0.018	11.977	-0.031	12.000	-6.045
7.016	0.068	7.033	0.050	7.045	0.067	7.059	0.076	12.017	-0.059	12.036	-0.066	12.053	-0.064	12.070	-0.021
7.075	0.058	7.090	0.044	7.108	0.066	7.123	0.079	12.052	0.009	12.105	0.004	12.120	-0.005	12.139	-0.033
7.141	0.035	7.166	0.008	7.180	0.016	7.194	0.029	12.162	-0.064	12.183	-0.056	12.205	-0.110	12.224	-6.062
7.214	0.016	7.228	0.046	7.243	0.055	7.255	0.024	12.241	0.029	12.258	0.035	12.278	0.116	12.296	-0.093
7.295	0.006	7.334	0.005	7.359	0.044	7.366	0.066	12.312	0.057	12.325	0.022	12.343	-0.023	12.362	-6.059
7.390	0.083	7.405	0.026	7.426	0.016	7.455	-0.002	12.374	-0.073	12.355	-0.029	12.414	0.014	12.437	0.036
7.477	0.033	7.491	0.046	7.519	0.032	7.537	0.094	12.463	0.070	12.475	0.055	12.457	0.039	12.518	-0.010
7.560	0.102	7.587	0.062	7.608	0.022	7.629	0.044	12.539	-0.033	12.554	-0.042	12.571	0.019	12.587	6.063
7.651	-0.031	7.677	-0.036	7.690	0.034	7.709	0.086	12.602	0.062	12.620	0.058	12.641	0.048	12.661	-6.009
7.722	0.099	7.759	0.050	7.782	0.019	7.805	0.010	12.679	-0.040	12.705	-0.037	12.727	-0.020	12.752	6.006
7.824	0.018	7.847	0.071	7.873	0.123	7.888	0.131	12.774	0.027	12.865	-0.058	12.883	-0.067	12.905	-0.045
8.069	0.059	8.087	0.085	8.100	0.041	8.127	0.006	12.930	-0.041	12.949	-0.024	12.967	-0.010	12.988	0.007
8.159	0.019	8.169	0.023	8.156	-0.004	8.229	0.018	13.009	-0.068	13.025	-0.056	13.046	-0.064	13.065	-0.024
8.256	0.002	8.268	0.123	8.284	0.105	8.298	0.048	13.085	0.055	13.100	0.068	13.123	0.011	13.146	-0.020
8.333	-0.049	8.348	-0.014	8.369	0.003	8.377	0.012	13.165	-0.042	13.183	-0.042	13.194	0.010	13.213	0.063
8.402	0.034	8.432	0.077	8.454	0.086	8.486	0.081	13.224	0.028	13.244	0.019	13.265	0.010	13.285	-0.025
8.508	0.037	8.528	0.032	8.552	0.071	8.582	0.045	13.308	-0.038	13.332	-0.034	13.349	0.027	13.364	6.020
8.618	0.036	8.639	0.013	8.663	0.009	8.695	-0.027	13.374	0.150	13.385	0.150	13.409	0.098	13.426	6.018
8.727	0.018	8.751	-0.005	8.783	0.078	8.799	0.082	13.444	-0.061	13.457	-0.127	13.476	-0.166	13.499	-0.131
8.807	0.077	8.819	0.095	8.833	0.095	8.843	0.073	13.528	0.001	13.553	0.045	13.572	0.080	13.597	0.010
8.858	0.068	8.876	0.081	8.882	0.055	8.898	0.024	13.617	0.010	13.644	-0.034	13.612	-0.039	13.701	0.018
8.910	-0.012	8.942	0.028	8.964	0.076	8.981	0.057	13.725	0.062	13.745	0.080	13.770	0.067	13.798	0.054
9.005	0.124	9.023	0.132	9.044	0.088	9.069	0.035	13.828	0.001	13.849	-0.025	13.871	-0.043	13.851	-0.034
9.056	0.050	9.108	0.057	9.123	0.048	9.144	0.003	13.916	-0.034	13.944	0.005	13.970	-0.004	13.957	0.053
9.178	0.003	9.210	0.012	9.235	0.042	9.258	0.033	14.031	-0.030	14.050	-0.035	14.072	-0.022	14.054	0.053
9.282	0.063	9.326	0.063	9.346	0.058	9.377	0.102	14.138	0.097	14.166	0.071	14.187	0.035	14.205	6.013
9.396	0.128	9.413	0.080	9.442	0.018	9.476	-0.026	14.229	-0.026	14.238	-0.022	14.254	0.013	14.278	-6.040
9.516	-0.075	9.545	-0.023	9.572	0.043	9.567	0.065	14.300	-0.048	14.322	-0.053	14.340	-0.057	14.358	-6.075
9.635	0.095	9.666	0.069	9.657	-0.011	9.742	-0.029	14.388	-0.137	14.419	-0.067	14.442	-0.058	14.460	-6.006
9.778	-0.038	9.801	0.010	9.843	-0.016	9.870	-0.047	14.466	0.051	14.514	0.055	14.534	0.060	14.557	0.024
9.888	-0.078	9.905	-0.039	9.920	-0.048	9.962	0.087	14.572	0.042	14.555	0.016	14.611	-0.042	14.631	-6.069
9.993	0.130	10.018	0.139	10.047	0.068	10.078	0.045	14.657	-0.038	14.679	0.018	14.694	0.018	14.715	0.036
10.104	0.049	10.129	0.013	10.149	0.026	10.177	0.074	14.732	0.040	14.746	0.005	14.764	-0.031	14.795	-0.062
10.155	0.082	10.217	0.051	10.253	0.059	10.277	0.072	14.820	0.012	14.843	0.069	14.871	0.016	14.850	-6.010
10.301	0.063	10.327	0.027	10.362	0.035	10.379	0.039	14.913	-0.050	14.934	-0.058	14.948	-0.069	14.970	-0.012
10.414	0.034	10.451	0.015	10.467	0.063	10.501	0.053	15.058	0.036	15.000	0.045	15.023	0.018	15.049	-6.029
10.519	-0.005	10.551	-0.054	10.566	-0.033	10.597	0.006	15.068	-0.044	15.094	-0.080	15.125	-0.063	15.158	-6.029
10.618	-0.034	10.634	-0.026	10.660	-0.014	10.681	-0.028	15.180	-0.029	15.202	-0.047	15.227	-0.030	15.250	0.018
10.701	-0.037	10.727	-0.051	10.737	-0.074	10.766	-0.009	15.268	0.057	15.293	0.067	15.321	0.139	15.341	0.095
10.790	0.052	10.812	0.082	10.843	0.046	10.867	0.038	15.363	0.051	15.387	0.024	15.414	0.015	15.427	6.028
10.891	-0.083	10.904	-0.088	10.919	-0.005	10.942	0.091	15.465	0.084	15.490	0.053	15.521	0.004	15.541	-0.001
10.970	0.148	10.992	0.147	11.019	0.111	11.041	0.027	15.566	-0.027	15.581	-0.036	15.594	-0.089	15.606	-6.089
11.060	-0.052	11.085	-0.049	11.114	0.008	11.127	0.043	15.612	-0.110	15.627	-0.041	15.641	-0.116	15.654	-6.059
11.147	0.038	11.155	0.051	11.172	0.085	11.189	0.107	15.663	-0.082	15.675	-0.011	15.702	-0.047	15.714	-0.056



15.737	-0.647	15.756	-0.021	15.785	-0.009	15.806	0.013	21.652	-0.014	21.720	0.003	21.747	0.043	21.770	0.052
15.825	0.030	15.845	0.004	15.870	-0.041	15.893	-0.041	21.804	0.004	21.838	-0.005	21.867	-0.027	21.883	-0.018
15.909	-0.032	15.936	0.029	15.958	-0.015	15.985	0.024	21.904	0.004	21.925	0.013	21.941	0.008	21.958	-0.014
16.008	0.033	16.028	0.072	16.054	0.107	16.087	0.037	21.967	-0.018	21.974	-0.032	21.992	-0.049	22.008	-0.063
16.118	0.016	16.134	-0.007	16.166	-0.074	16.189	-0.100	22.025	-0.085	22.044	-0.085	22.068	-0.085	22.089	-0.107
16.213	-0.061	16.240	-0.004	16.263	0.036	16.273	-0.004	22.103	-0.134	22.126	-0.142	22.146	-0.151	22.155	-0.147
16.285	0.062	16.305	0.018	16.327	0.069	16.349	0.026	22.172	-0.138	22.198	-0.103	22.211	-0.086	22.222	-0.051
16.362	0.000	16.382	0.079	16.400	0.105	16.422	0.056	22.260	-0.038	22.281	-0.034	22.297	-0.043	22.308	-0.043
16.449	0.061	16.475	0.043	16.495	0.012	16.526	-0.027	22.325	-0.038	22.345	-0.030	22.362	-0.017	22.381	-0.001
16.544	0.003	16.567	0.034	16.595	0.003	16.624	-0.019	22.401	0.009	22.422	-0.009	22.446	-0.032	22.467	-0.041
16.645	-0.032	16.662	-0.041	16.694	0.038	16.723	0.086	22.490	-0.046	22.510	-0.046	22.526	-0.047	22.543	-0.034
16.747	0.025	16.775	-0.020	16.812	-0.108	16.837	-0.108	22.561	-0.043	22.571	-0.043	22.591	-0.066	22.607	-0.057
16.862	-0.068	16.886	0.002	16.910	0.068	16.932	0.112	22.623	-0.049	22.644	-0.041	22.660	-0.050	22.682	-0.064
16.955	0.103	16.984	0.024	17.011	-0.020	17.032	-0.047	22.706	-0.064	22.731	-0.065	22.749	-0.065	22.767	-0.052
17.061	-0.029	17.100	0.041	17.130	0.045	17.156	0.041	22.788	-0.053	22.807	-0.040	22.831	-0.032	22.843	-0.011
17.177	0.036	17.195	0.032	17.222	-0.008	17.253	0.008	22.868	-0.012	22.909	0.001	22.932	-0.004	22.958	-0.014
17.274	-0.030	17.306	0.027	17.332	0.049	17.369	0.110	22.975	-0.032	23.005	-0.053	23.018	-0.033	23.027	-0.047
17.393	0.019	17.423	0.005	17.449	0.010	17.476	-0.007	23.050	-0.056	23.075	-0.053	23.099	-0.054	23.115	-0.054
17.510	0.037	17.533	0.059	17.560	0.072	17.577	0.085	23.129	-0.072	23.146	-0.086	23.166	-0.109	23.178	-0.127
17.601	0.081	17.624	0.068	17.646	-0.002	17.664	-0.009	23.193	-0.140	23.216	-0.141	23.233	-0.133	23.244	-0.116
17.682	-0.090	17.709	-0.046	17.738	-0.006	17.765	-0.006	23.261	-0.081	23.280	-0.068	23.297	-0.069	23.325	-0.079
17.787	0.025	17.810	0.047	17.834	0.029	17.868	0.003	23.344	-0.097	23.362	-0.119	23.380	-0.129	23.394	-0.138
17.856	-0.032	17.915	-0.003	17.936	0.030	17.961	0.025	23.413	-0.130	23.434	-0.104	23.451	-0.078	23.467	-0.052
17.988	0.026	18.015	-0.005	18.045	0.057	18.075	0.039	23.479	-0.039	23.495	-0.027	23.514	-0.032	23.530	-0.036
18.104	-0.053	18.133	0.017	18.165	0.018	18.192	0.009	23.546	-0.054	23.566	-0.073	23.584	-0.091	23.595	-0.091
18.221	0.053	18.253	0.000	18.285	-0.004	18.320	-0.056	23.616	-0.074	23.630	-0.061	23.645	-0.070	23.668	-0.080
18.343	-0.065	18.359	-0.078	18.387	-0.039	18.416	0.009	23.686	-0.080	23.701	-0.081	23.725	-0.086	23.746	-0.056
18.454	0.044	18.476	0.062	18.495	0.053	18.527	0.026	23.795	-0.057	23.821	-0.076	23.846	-0.072	23.867	-0.064
18.554	0.044	18.584	0.037	18.614	0.034	18.637	-0.027	23.868	-0.051	23.906	-0.079	23.932	-0.038	23.958	-0.052
18.667	-0.076	18.700	-0.054	18.736	-0.037	18.770	-0.037	23.979	-0.061	24.006	-0.074	24.024	-0.083	24.056	-0.101
18.812	-0.059	18.841	0.002	18.878	0.037	18.904	0.028	24.089	-0.115	24.115	-0.119	24.136	-0.115	24.163	-0.115
18.928	0.028	18.944	0.027	18.973	0.031	19.005	0.004	24.187	-0.098	24.215	-0.107	24.242	-0.107	24.279	-0.086
19.035	0.017	19.062	0.004	19.092	-0.001	19.118	-0.028	24.306	-0.099	24.342	-0.052	24.363	-0.087	24.390	-0.091
19.143	-0.002	19.169	0.011	19.198	-0.038	19.224	-0.091	24.403	-0.078	24.426	-0.039	24.447	-0.039	24.468	-0.030
19.242	-0.056	19.276	-0.132	19.300	-0.092	19.330	-0.040	24.458	-0.013	24.516	-0.022	24.553	-0.053	24.583	-0.075
19.353	0.068	19.366	-0.034	19.411	0.007	19.466	0.047	24.610	-0.075	24.635	-0.071	24.660	-0.054	24.685	-0.041
19.497	0.025	19.525	-0.039	19.555	0.000	19.583	0.035	24.715	-0.041	24.742	-0.045	24.768	-0.059	24.787	-0.077
19.611	0.065	19.640	0.039	19.664	0.034	19.685	0.042	24.815	-0.055	24.835	-0.046	24.866	-0.042	24.891	-0.042
19.729	0.025	19.751	0.011	19.773	0.041	19.798	0.027	24.912	-0.056	24.935	-0.073	24.953	-0.087	24.970	-0.083
19.832	0.014	19.858	-0.004	19.883	-0.040	19.917	-0.027	24.952	-0.074	25.011	-0.053	25.028	-0.040	25.052	-0.035
19.938	-0.027	19.972	0.054	19.986	-0.045	20.027	-0.089	25.068	-0.018	25.091	-0.040	25.118	-0.041	25.143	-0.037
20.052	-0.085	20.067	-0.065	20.092	-0.107	20.127	-0.085	25.168	-0.037	25.190	-0.020	25.213	-0.007	25.238	-0.003
20.153	-0.068	20.179	-0.068	20.212	-0.073	20.243	-0.077	25.264	-0.001	25.279	-0.003	25.301	-0.030	25.327	-0.048
20.265	-0.016	20.289	0.023	20.309	0.063	20.344	0.085	25.374	-0.049	25.408	-0.040	25.436	-0.040	25.482	-0.036
20.355	0.058	20.387	0.005	20.409	-0.034	20.448	0.023	25.515	-0.036	25.536	-0.023	25.571	-0.010	25.610	-0.025
20.469	0.014	20.503	-0.017	20.531	-0.052	20.550	-0.074	25.639	0.038	25.671	0.024	25.685	-0.006	25.738	-0.020
20.589	-0.052	20.621	0.005	20.649	0.027	20.677	0.049	25.768	-0.034	25.791	0.002	25.815	-0.029	25.833	-0.021
20.701	0.067	20.728	0.067	20.755	0.062	20.782	0.001	25.852	-0.017	25.881	-0.021	25.910	-0.039	25.927	-0.061
20.807	-0.065	20.843	-0.109	20.890	-0.153	20.923	-0.126	25.953	-0.083	25.980	-0.083	26.016	-0.063	26.033	-0.056
20.949	-0.078	20.975	-0.078	21.002	-0.060	21.028	-0.060	26.054	-0.030	26.073	-0.012	26.100	-0.012	26.120	-0.023
21.050	-0.071	21.075	-0.038	21.100	-0.038	21.125	-0.051	26.132	0.023	26.166	0.005	26.214	-0.004	26.238	-0.004
21.146	-0.067	21.175	0.019	21.202	0.024	21.244	0.020	26.271	-0.017	26.291	-0.021	26.322	-0.034	26.351	-0.021
21.268	-0.047	21.295	-0.038	21.328	-0.024	21.351	0.006	26.378	-0.004	26.405	0.010	26.432	-0.005	26.462	-0.012
21.382	0.028	21.404	0.040	21.431	0.046	21.458	0.007	26.481	-0.008	26.502	0.010	26.532	-0.014	26.548	-0.014
21.488	-0.024	21.512	-0.037	21.543	-0.063	21.565	-0.085	26.568	0.018	26.595	0.018	26.613	-0.014	26.642	-0.068
21.587	-0.085	21.612	-0.085	21.642	-0.080	21.656	-0.067	26.671	-0.030	26.689	-0.039	26.708	-0.030	26.741	-0.021



26.765	-0.012	26.805	-0.021	26.827	-0.025	26.842	-0.052
26.860	-0.061	26.877	-0.056	26.896	-0.047	26.913	-0.043
26.932	-0.039	26.953	-0.030	26.969	-0.039	26.988	-0.043
27.008	-0.047	27.028	-0.039	27.045	-0.025	27.069	-0.021
27.096	-0.030	27.122	-0.047	27.148	-0.065	27.175	-0.069
27.196	-0.065	27.213	-0.061	27.237	-0.061	27.259	-0.047
27.280	-0.047	27.307	-0.052	27.325	-0.039	27.361	-0.043
27.382	-0.032	27.403	-0.052	27.427	-0.039	27.454	-0.030
27.478	-0.025	27.505	-0.034	27.534	-0.039	27.567	-0.039
27.599	-0.017	27.626	-0.004	27.649	0.001	27.665	-0.004
27.693	-0.004	27.730	0.001	27.759	0.001	27.789	0.023
27.813	0.010	27.842	-0.017	27.875	-0.039	27.908	-0.039
27.942	-0.036	27.984	-0.065	28.013	-0.087	28.058	-0.087
28.052	-0.091	28.123	-0.091	28.171	-0.074	28.199	-0.074
28.223	-0.065	28.252	-0.061	28.280	-0.065	28.323	-0.065
28.347	-0.065	28.386	-0.065	28.424	-0.065	28.459	-0.065
28.488	-0.065	28.511	-0.047	28.540	-0.043	28.565	-0.047
28.588	-0.052	28.612	-0.069	28.638	-0.087	28.661	-0.096
28.682	-0.091	28.712	-0.083	28.756	-0.069	28.790	-0.056
28.816	-0.047	28.843	-0.030	28.873	-0.025	28.913	-0.026
28.951	-0.035	28.980	-0.048	29.029	-0.071	29.070	-0.075
29.099	-0.089	29.126	-0.107	29.154	-0.058	29.187	-0.085
29.219	-0.086	29.254	-0.068	29.290	-0.064	29.322	-0.051
29.355	-0.060	29.385	-0.070	29.418	-0.053	29.440	-0.044
29.469	-0.036	29.492	-0.041	29.517	-0.054	29.547	-0.050
29.571	-0.051	29.608	-0.056	29.647	-0.057	29.683	-0.057
29.708	-0.044	29.743	-0.028	29.774	-0.019	29.808	-0.020
29.842	-0.038	29.874	-0.047	29.913	-0.052	29.948	-0.044
29.976	-0.031	30.009	-0.027	30.034	-0.032	30.063	-0.036
30.095	-0.059	30.137	-0.077	30.161	-0.094	30.191	-0.082
30.222	-0.064	30.247	-0.060	30.274	-0.056	30.309	-0.043
30.336	-0.044	30.363	-0.026	30.396	-0.031	30.416	-0.031
30.441	-0.049	30.473	-0.062	30.506	-0.049	30.536	-0.045
30.565	-0.049	30.586	-0.045	30.607	-0.050	30.629	-0.050
30.660	-0.054	30.686	-0.050	30.710	-0.032	30.743	-0.024
30.765	-0.028	30.818	-0.042	30.854	-0.051	30.890	-0.055
30.934	-0.055	30.979	-0.055	31.024	-0.069	31.062	-0.066
31.090	-0.091	31.122	-0.078	31.153	-0.069	31.178	-0.065
31.212	-0.065	31.255	-0.069	31.293	-0.082	31.324	-0.091
31.353	-0.078	31.385	-0.065	31.409	-0.052	31.431	-0.043
31.451	-0.052	31.472	-0.069	31.497	-0.082	31.534	-0.069
31.566	-0.065	31.602	-0.056	31.637	-0.064	31.671	-0.064
31.697	-0.064	31.727	-0.060	31.762	-0.069	31.791	-0.068
31.827	-0.068	31.857	-0.082	31.900	-0.099	31.930	-0.099
31.953	-0.099	31.989	-0.090	32.027	-0.068	32.064	-0.054
32.103	-0.059	32.146	-0.076	32.187	-0.071	32.234	-0.062
32.275	-0.075	32.310	-0.080	32.343	-0.088	32.384	-0.088
32.410	-0.088	32.433	-0.052	32.461	-0.097	32.492	-0.110
32.517	-0.105	32.547	-0.092	32.576	-0.096	32.610	-0.096
32.649	-0.101	32.686	-0.118	32.724	-0.140	32.760	-0.131
32.801	-0.131	32.828	-0.131	32.875	-0.144	32.920	-0.140
32.958	-0.122	32.969	-0.118	32.994	-0.104	33.047	-0.139
33.057	-0.152						



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171-134 2/9/71 0600PST FULLERTON,2600 NUTWOOD,PENT.(CTR) SOUTH

1765 POINTS 32.485 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 0.3182 G/10.

	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.071	0.015	0.071	0.071	0.037	0.075	0.060	0.058	3.621	0.088	3.642	0.056	3.675	0.036	3.700	0.052
0.087	0.062	0.122	0.066	0.066	0.144	0.070	0.165	0.070	3.730	0.040	3.755	0.016	3.782	0.004	3.810	-0.000
0.185	0.069	0.207	0.061	0.061	0.231	0.073	0.250	0.077	3.843	0.023	3.877	0.035	3.909	0.058	3.944	0.093
0.272	0.073	0.299	0.069	0.069	0.322	0.060	0.339	0.048	3.979	0.088	4.016	0.076	4.041	0.075	4.077	0.106
0.349	0.040	0.371	0.056	0.056	0.389	0.060	0.401	0.060	4.095	0.114	4.129	0.113	4.151	0.129	4.164	0.136
0.426	0.060	0.449	0.071	0.071	0.468	0.067	0.486	0.055	4.181	0.144	4.197	0.124	4.219	0.099	4.238	0.075
0.501	0.059	0.525	0.075	0.075	0.542	0.079	0.560	0.074	4.257	0.043	4.274	0.015	4.285	0.011	4.306	0.014
0.580	0.058	0.597	0.050	0.050	0.617	0.066	0.639	0.070	4.326	0.022	4.340	0.006	4.361	-0.022	4.380	-0.010
0.661	0.070	0.684	0.069	0.069	0.702	0.061	0.726	0.057	4.404	-0.011	4.424	-0.011	4.448	-0.007	4.467	0.025
0.748	0.057	0.765	0.057	0.057	0.782	0.057	0.802	0.072	4.487	0.049	4.508	0.065	4.533	0.072	4.556	0.072
0.819	0.068	0.843	0.052	0.052	0.863	0.052	0.889	0.068	4.585	0.084	4.602	0.052	4.618	0.116	4.635	0.124
0.913	0.067	0.935	0.067	0.067	0.960	0.067	0.980	0.058	4.657	0.124	4.675	0.135	4.686	0.143	4.697	0.139
1.001	0.050	1.016	0.050	0.050	1.039	0.058	1.064	0.069	4.716	0.107	4.740	0.052	4.756	0.040	4.789	0.075
1.091	0.061	1.113	0.056	0.056	1.130	0.048	1.146	0.048	4.808	0.071	4.827	0.063	4.847	0.059	4.864	0.059
1.166	0.060	1.187	0.079	0.079	1.209	0.079	1.233	0.071	4.895	0.060	4.915	0.060	4.930	0.061	4.942	0.061
1.256	0.051	1.277	0.034	0.034	1.301	0.022	1.315	0.038	4.957	0.025	4.980	0.010	4.993	0.010	5.007	0.014
1.340	0.065	1.362	0.085	0.085	1.378	0.085	1.404	0.064	5.023	0.038	5.048	0.047	5.066	0.031	5.082	-0.005
1.429	0.064	1.452	0.060	0.060	1.473	0.067	1.496	0.053	5.100	-0.024	5.115	-0.032	5.134	-0.012	5.156	0.020
1.518	0.083	1.542	0.078	0.078	1.567	0.054	1.591	0.042	5.185	0.061	5.209	0.084	5.227	0.077	5.245	0.081
1.608	0.034	1.633	0.061	0.061	1.657	0.077	1.681	0.076	5.269	0.094	5.285	0.106	5.307	0.126	5.328	0.130
1.712	0.064	1.719	0.052	0.052	1.747	0.048	1.768	0.059	5.349	0.143	5.370	0.147	5.384	0.143	5.403	0.128
1.816	0.071	1.826	0.086	0.086	1.840	0.094	1.860	0.074	5.423	0.108	5.439	0.084	5.459	0.065	5.472	0.053
1.908	0.062	1.908	0.053	0.053	1.929	0.049	1.948	0.049	5.491	0.073	5.507	0.085	5.526	0.066	5.543	0.050
1.969	0.073	1.986	0.072	0.072	2.005	0.060	2.025	0.044	5.554	0.036	5.572	0.015	5.589	0.011	5.608	-0.001
2.047	0.032	2.071	0.032	0.032	2.088	0.035	2.116	0.059	5.619	-0.016	5.632	-0.016	5.654	0.004	5.669	0.008
2.139	0.090	2.165	0.098	0.098	2.193	0.082	2.221	0.086	5.687	0.000	5.711	0.001	5.732	0.013	5.753	0.037
2.237	0.053	2.272	0.049	0.049	2.299	0.073	2.329	0.076	5.775	0.061	5.798	0.089	5.822	0.102	5.843	0.114
2.351	0.080	2.379	0.076	0.076	2.394	0.060	2.410	0.056	5.870	0.130	5.899	0.145	5.920	0.133	5.941	0.121
2.435	0.096	2.457	0.104	0.104	2.479	0.084	2.497	0.064	5.959	0.109	5.982	0.105	6.000	0.105	6.019	0.097
2.514	0.040	2.534	0.013	0.013	2.552	-0.003	2.573	-0.007	6.041	0.081	6.048	0.069	6.068	0.089	6.094	0.101
2.595	0.016	2.620	0.036	0.036	2.644	0.044	2.669	0.028	6.116	0.085	6.138	0.085	6.158	0.021	6.182	0.001
2.695	0.024	2.716	0.040	0.040	2.740	0.068	2.767	0.108	6.199	0.025	6.221	0.073	6.233	0.092	6.250	0.108
2.814	0.116	2.827	0.100	0.100	2.855	0.084	2.874	0.084	6.272	0.088	6.295	0.072	6.311	0.048	6.328	0.032
2.910	0.109	2.938	0.101	0.101	2.969	0.069	2.996	0.034	6.354	0.020	6.370	0.040	6.403	0.075	6.421	0.095
3.019	0.014	3.047	0.042	0.042	3.067	0.054	3.090	0.055	6.442	0.086	6.467	0.030	6.484	-0.014	6.498	-0.026
3.110	0.035	3.133	0.003	0.003	3.164	-0.032	3.196	0.024	6.522	0.095	6.549	0.064	6.574	0.120	6.600	0.135
3.220	0.072	3.243	0.104	0.104	3.262	0.108	3.280	0.080	6.625	0.035	6.647	0.063	6.672	0.106	6.695	0.145
3.307	0.065	3.334	0.089	0.089	3.349	0.089	3.373	0.077	6.722	0.169	6.742	0.145	6.764	0.077	6.780	0.009
3.401	0.065	3.434	0.065	0.065	3.460	0.081	3.497	0.108	6.798	-0.019	6.822	-0.020	6.847	-0.000	6.865	0.035
3.519	0.112	3.538	0.112	0.112	3.565	0.120	3.590	0.104	6.890	0.035	6.914	0.042	6.938	0.018	6.961	-0.002



6.987	-0.011	7.007	-0.019	7.032	0.005	7.066	0.032	11.494	0.018	11.505	0.042	11.531	-0.013	11.545	-0.073
7.087	0.043	7.103	0.035	7.123	0.019	7.146	0.035	11.558	-0.101	11.572	0.089	11.592	-0.017	11.608	0.114
7.173	0.062	7.201	0.073	7.220	0.093	7.235	0.113	11.621	0.265	11.637	0.436	11.648	0.555	11.665	0.615
7.264	0.104	7.292	0.116	7.317	0.111	7.328	0.119	11.677	0.567	11.658	0.420	11.711	0.305	11.730	0.249
7.347	0.163	7.367	0.186	7.396	0.150	7.418	0.118	11.743	0.225	11.760	0.253	11.781	0.257	11.799	0.225
7.444	0.067	7.464	0.015	7.479	-0.005	7.497	-0.017	11.817	0.102	11.838	-0.053	11.858	0.137	11.873	-0.172
7.522	0.003	7.542	0.046	7.558	0.074	7.571	-0.082	11.889	-0.272	11.909	0.387	11.934	-0.462	11.952	-0.431
7.592	0.042	7.612	-0.022	7.633	-0.057	7.651	-0.121	11.975	-0.379	11.993	-0.319	12.013	-0.280	12.026	-0.280
7.671	-0.110	7.692	-0.070	7.715	0.005	7.732	0.061	12.045	-0.327	12.061	-0.415	12.075	-0.514	12.092	-0.613
7.753	0.108	7.773	0.092	7.798	0.053	7.817	0.044	12.101	-0.641	12.116	-0.601	12.134	-0.450	12.148	-0.307
7.842	0.076	7.866	0.171	7.890	0.247	7.905	0.251	12.166	-0.144	12.181	0.014	12.195	0.150	12.213	0.273
7.926	0.191	7.953	0.100	7.975	0.056	7.999	0.080	12.229	0.336	12.254	0.412	12.275	0.444	12.294	0.452
8.023	0.116	8.049	0.132	8.072	0.104	8.095	0.056	12.312	0.396	12.330	0.340	12.347	0.232	12.369	0.396
8.115	0.020	8.131	-0.015	8.157	-0.035	8.183	0.005	12.387	0.412	12.405	0.340	12.420	0.237	12.435	0.078
8.204	0.032	8.233	0.001	8.258	-0.051	8.285	-0.075	12.449	-0.073	12.461	-0.188	12.479	-0.303	12.490	-0.363
8.313	-0.051	8.341	-0.007	8.363	0.060	8.387	0.124	12.503	-0.407	12.520	-0.351	12.536	-0.212	12.552	-0.053
8.416	0.135	8.439	0.131	8.463	0.131	8.474	0.127	12.570	0.102	12.588	0.225	12.604	0.285	12.616	-0.297
8.489	0.127	8.512	0.143	8.536	0.154	8.557	0.134	12.636	0.209	12.654	0.074	12.672	-0.045	12.690	-0.105
8.572	0.118	8.592	0.114	8.612	0.082	8.646	0.062	12.712	-0.085	12.733	-0.029	12.750	-0.011	12.764	-0.411
8.671	0.074	8.697	0.078	8.713	0.074	8.734	0.070	12.776	-0.029	12.754	-0.125	12.807	-0.284	12.821	-0.411
8.758	-0.034	8.776	-0.046	8.797	-0.094	8.814	-0.094	12.833	-0.498	12.849	-0.605	12.874	-0.689	12.856	-0.605
8.840	-0.034	8.871	0.021	8.889	0.073	8.914	0.092	12.922	-0.458	12.936	-0.403	12.952	-0.403	12.975	-0.423
8.949	0.096	8.975	0.103	8.991	0.095	9.016	0.051	12.999	-0.347	13.017	-0.232	13.038	-0.069	13.056	-0.106
9.040	0.011	9.061	0.003	9.078	-0.010	9.094	-0.057	13.073	0.305	13.090	0.495	13.110	0.706	13.131	0.921
9.113	-0.086	9.128	-0.086	9.154	-0.074	9.183	-0.035	13.214	0.853	13.233	0.750	13.252	0.630	13.265	0.487
9.225	-0.004	9.252	-0.028	9.282	-0.028	9.309	0.019	13.344	0.332	13.360	0.221	13.313	0.173	13.330	0.173
9.335	0.078	9.365	0.149	9.389	0.221	9.407	0.260	13.394	0.169	13.360	0.082	13.373	-0.045	13.384	-0.188
9.428	0.264	9.457	0.224	9.485	0.183	9.508	0.167	13.394	-0.339	13.408	-0.558	13.422	-0.776	13.444	-0.999
9.537	0.234	9.562	0.353	9.579	0.425	9.597	0.456	13.467	-0.102	13.479	-1.023	13.500	-0.792	13.519	-0.645
9.612	0.400	9.636	0.253	9.651	0.141	9.662	0.078	13.540	0.562	13.553	-0.558	13.582	-0.685	13.607	-0.772
9.703	0.034	9.703	-0.014	9.721	-0.066	9.734	-0.118	13.629	-0.685	13.644	-0.550	13.656	-0.371	13.667	-0.180
9.749	-0.230	9.763	-0.345	9.775	-0.464	9.787	-0.580	13.680	0.038	13.689	0.241	13.700	0.404	13.707	0.531
9.802	-0.679	9.819	-0.719	9.838	-0.660	9.855	-0.521	13.719	0.642	13.737	0.706	13.757	0.638	13.778	0.527
9.873	-0.350	9.890	-0.188	9.902	-0.080	9.912	-0.029	13.793	0.368	13.812	0.237	13.825	0.209	13.854	0.364
9.930	-0.009	9.948	-0.065	9.963	-0.132	9.982	-0.168	13.856	0.487	13.886	0.595	13.905	0.623	13.930	0.646
10.009	-0.109	10.031	-0.034	10.050	0.050	10.065	0.145	14.023	0.114	14.038	-0.069	14.046	-0.180	14.065	0.257
10.085	0.272	10.104	0.371	10.122	0.419	10.152	0.339	14.067	-0.434	14.081	-0.529	14.101	-0.541	14.120	-0.513
10.170	0.291	10.179	0.283	10.202	0.342	10.221	0.470	14.137	-0.509	14.159	-0.565	14.176	-0.660	14.192	-0.752
10.232	0.521	10.248	0.545	10.268	0.461	10.285	0.290	14.212	-0.823	14.231	-0.651	14.244	-0.863	14.263	-0.835
10.301	0.119	10.319	-0.020	10.335	-0.088	10.348	-0.092	14.276	-0.795	14.300	-0.545	14.323	-0.306	14.344	-0.084
10.377	-0.000	10.404	0.047	10.431	-0.001	10.455	-0.100	14.356	0.016	14.370	0.087	14.387	0.127	14.418	0.222
10.475	-0.183	10.494	-0.295	10.512	-0.422	10.532	-0.509	14.436	0.338	14.461	0.576	14.484	0.807	14.496	1.009
10.548	-0.521	10.571	-0.450	10.599	-0.327	10.621	-0.279	14.514	1.172	14.532	1.244	14.552	1.156	14.565	0.966
10.643	-0.335	10.666	-0.466	10.690	-0.553	10.703	-0.510	14.573	0.831	14.584	0.695	14.594	0.501	14.608	0.326
10.723	-0.355	10.741	-0.144	10.757	0.102	10.774	0.305	14.622	0.143	14.640	-0.040	14.661	-0.167	14.676	-0.270
10.791	0.480	10.798	0.527	10.809	0.603	10.827	0.630	14.699	-0.361	14.723	-0.433	14.752	-0.465	14.776	-0.409
10.837	0.638	10.850	0.622	10.859	0.575	10.870	0.503	14.756	-0.381	14.814	-0.377	14.840	-0.425	14.862	-0.532
10.882	0.416	10.894	0.336	10.907	0.249	10.915	0.201	14.894	-0.655	14.903	-0.755	14.920	-0.790	14.939	-0.731
10.927	0.165	10.948	0.213	10.958	0.118	11.037	0.050	14.959	-0.548	14.973	-0.445	14.988	-0.385	15.015	-0.341
11.003	0.265	11.014	0.209	11.026	0.118	11.037	0.050	15.033	-0.266	15.052	-0.123	15.069	-0.060	15.083	0.223
11.056	-0.029	11.082	-0.089	11.101	-0.121	11.124	-0.081	15.104	0.477	15.124	0.664	15.148	0.771	15.166	0.779
11.138	-0.037	11.153	-0.029	11.169	-0.057	11.188	-0.109	15.184	0.791	15.202	0.866	15.219	0.973	15.234	1.053
11.201	-0.156	11.215	-0.212	11.232	-0.299	11.250	-0.383	15.249	1.077	15.265	1.053	15.285	1.041	15.300	0.973
11.262	-0.435	11.276	-0.450	11.297	-0.403	11.322	-0.299	15.320	0.759	15.337	0.592	15.356	0.401	15.380	0.222
11.345	-0.188	11.365	-0.101	11.383	-0.041	11.407	-0.021	15.320	0.759	15.337	0.592	15.356	0.401	15.380	0.222
11.428	-0.021	11.444	-0.057	11.456	-0.077	11.476	-0.029								



15.400	0.075	15.420	-0.100	15.438	-0.287	15.468	-0.557	15.467	0.204	20.167	0.204	20.184	0.227	20.205	0.199	20.232	0.100
15.484	-0.612	15.499	-0.752	15.518	-0.875	15.540	-1.062	20.258	0.048	20.258	0.048	20.278	0.019	20.299	-0.005	20.326	0.043
15.559	-1.193	15.576	-1.233	15.598	-1.161	15.617	-1.054	20.355	0.062	20.355	0.062	20.378	0.006	20.404	-0.077	20.432	-0.173
15.632	-0.935	15.655	-0.816	15.674	-0.716	15.698	-0.701	20.448	-0.197	20.448	-0.197	20.478	0.044	20.506	-0.039	20.537	0.028
15.718	-0.645	15.742	-0.474	15.761	-0.295	15.779	-0.093	20.560	0.048	20.560	0.048	20.587	0.003	20.608	-0.044	20.635	0.059
15.793	0.130	15.811	0.420	15.824	0.674	15.841	0.869	20.665	0.059	20.665	0.059	20.693	0.003	20.719	-0.069	20.740	-0.136
15.856	0.964	15.871	1.004	15.892	1.032	15.910	1.048	20.767	-0.184	20.767	-0.184	20.791	-0.193	20.821	-0.193	20.841	-0.193
15.932	1.151	15.953	1.207	15.979	1.250	15.993	1.230	20.859	-0.177	20.859	-0.177	20.877	-0.146	20.894	-0.146	20.915	-0.178
16.016	1.083	16.034	0.905	16.046	0.710	16.061	0.583	20.934	-0.257	20.934	-0.257	20.950	-0.305	20.973	-0.337	20.999	-0.293
16.149	-0.228	16.161	-0.415	16.174	-0.617	16.185	-0.772	21.028	0.182	21.028	0.182	21.055	-0.031	21.079	0.052	21.101	0.132
16.193	-0.951	16.211	-1.158	16.232	-1.281	16.245	-1.285	21.129	0.203	21.129	0.203	21.160	0.275	21.186	0.342	21.210	0.382
16.271	-1.217	16.292	-1.154	16.311	-1.102	16.338	-1.035	21.234	0.330	21.234	0.330	21.260	0.234	21.281	0.163	21.307	0.131
16.361	-1.023	16.376	-0.967	16.394	-0.832	16.406	-0.693	21.330	0.135	21.330	0.135	21.362	0.139	21.386	0.075	21.400	0.032
16.415	-0.530	16.430	-0.303	16.449	-0.041	16.467	0.186	21.422	-0.055	21.422	-0.055	21.449	0.139	21.475	-0.162	21.503	-0.198
16.450	0.293	16.465	0.357	16.486	0.416	16.504	0.535	21.527	-0.245	21.527	-0.245	21.551	-0.273	21.581	-0.281	21.605	-0.280
16.577	0.806	16.589	0.989	16.606	1.247	16.620	1.394	21.620	0.280	21.620	0.280	21.638	0.272	21.664	0.216	21.688	-0.101
16.640	1.497	16.653	1.458	16.670	1.291	16.686	1.084	21.773	0.218	21.773	0.218	21.788	0.178	21.800	0.138	21.812	0.103
16.739	0.134	16.761	0.043	16.782	-0.040	16.807	-0.124	21.827	0.055	21.827	0.055	21.836	0.023	21.847	0.012	21.854	-0.004
16.828	-0.207	16.849	-0.310	16.866	-0.445	16.882	-0.545	21.863	-0.012	21.863	-0.012	21.872	-0.012	21.887	-0.016	21.895	-0.008
16.901	-0.624	16.925	-0.660	16.950	-0.656	16.981	-0.545	21.904	-0.004	21.904	-0.004	21.913	-0.008	21.923	-0.004	21.940	-0.032
16.956	-0.663	17.017	-0.703	17.044	-0.628	17.071	-0.453	21.949	-0.040	21.949	-0.040	21.958	-0.051	21.967	-0.067	21.979	-0.095
17.092	-0.325	17.111	-0.250	17.139	-0.071	17.168	0.064	21.986	-0.111	21.986	-0.111	21.994	-0.131	22.001	-0.139	22.009	-0.139
17.199	0.172	17.226	0.244	17.253	0.355	17.277	0.478	22.016	-0.142	22.016	-0.142	22.026	-0.150	22.038	-0.146	22.049	-0.150
17.301	0.590	17.326	0.653	17.351	0.665	17.378	0.653	22.086	-0.158	22.086	-0.158	22.070	-0.166	22.083	-0.178	22.092	-0.202
17.400	0.578	17.420	0.498	17.451	0.363	17.478	0.224	22.101	-0.225	22.101	-0.225	22.113	-0.257	22.122	-0.277	22.132	-0.277
17.513	0.069	17.540	-0.062	17.565	-0.141	17.598	-0.216	22.147	-0.261	22.147	-0.261	22.156	-0.241	22.167	-0.232	22.181	-0.145
17.639	-0.312	17.672	-0.387	17.711	-0.415	17.737	-0.459	22.193	-0.106	22.193	-0.106	22.205	-0.050	22.217	-0.022	22.228	0.010
17.765	-0.518	17.791	-0.566	17.816	-0.486	17.839	-0.307	22.240	0.026	22.240	0.026	22.251	0.034	22.264	0.030	22.276	0.030
17.862	-0.160	17.885	-0.089	17.891	-0.089	17.908	-0.093	22.285	0.014	22.285	0.014	22.302	0.026	22.312	0.034	22.323	0.078
17.932	-0.165	17.955	-0.200	17.976	-0.153	17.996	-0.041	22.333	0.106	22.333	0.106	22.345	0.150	22.359	0.137	22.371	0.221
18.012	0.125	18.036	0.284	18.055	0.400	18.075	0.439	22.380	0.249	22.380	0.249	22.389	0.253	22.398	0.249	22.408	0.233
18.093	0.415	18.113	0.288	18.131	0.165	18.153	0.097	22.420	0.186	22.420	0.186	22.428	0.134	22.441	0.095	22.452	-0.005
18.182	0.177	18.207	0.240	18.224	0.252	18.247	0.173	22.460	-0.068	22.460	-0.068	22.470	-0.128	22.482	-0.171	22.494	-0.211
18.267	0.081	18.289	0.006	18.308	-0.010	18.324	0.029	22.503	-0.227	22.503	-0.227	22.514	-0.239	22.525	-0.243	22.538	-0.227
18.346	0.141	18.364	0.244	18.385	0.284	18.406	0.232	22.550	-0.211	22.550	-0.211	22.562	-0.191	22.572	-0.175	22.581	-0.163
18.424	0.168	18.444	0.041	18.467	-0.102	18.483	-0.242	22.591	-0.155	22.591	-0.155	22.598	-0.155	22.608	-0.159	22.622	-0.175
18.505	-0.377	18.537	-0.512	18.565	-0.592	18.597	-0.656	22.629	-0.202	22.629	-0.202	22.638	-0.246	22.652	-0.286	22.662	-0.329
18.626	-0.688	18.657	-0.624	18.681	-0.473	18.701	-0.251	22.671	-0.361	22.671	-0.361	22.680	-0.381	22.687	-0.401	22.695	-0.401
18.721	-0.084	18.734	0.003	18.755	0.114	18.778	0.174	22.706	-0.393	22.706	-0.393	22.711	-0.377	22.729	-0.345	22.741	-0.309
18.803	0.237	18.828	0.281	18.847	0.328	18.864	0.400	22.750	-0.257	22.750	-0.257	22.760	-0.210	22.766	-0.166	22.775	-0.118
18.880	0.479	18.899	0.550	18.922	0.590	18.946	0.566	22.783	-0.070	22.783	-0.070	22.791	-0.023	22.805	0.037	22.819	0.089
18.962	0.490	18.982	0.406	19.002	0.338	19.020	0.251	22.836	0.133	22.836	0.133	22.846	0.169	22.854	0.192	22.864	0.216
19.039	0.171	19.062	0.103	19.088	0.031	19.111	-0.057	22.876	0.232	22.876	0.232	22.887	0.240	22.899	0.245	22.913	0.253
19.131	-0.144	19.152	-0.240	19.176	-0.296	19.199	-0.308	22.927	0.257	22.927	0.257	22.942	0.257	22.951	0.257	22.960	0.253
19.233	-0.265	19.262	-0.206	19.282	-0.115	19.303	-0.012	22.978	0.230	22.978	0.230	22.990	0.190	23.010	0.155	23.022	0.099
19.324	0.079	19.347	0.123	19.370	0.098	19.390	0.066	23.030	0.051	23.030	0.051	23.044	0.008	23.055	-0.036	23.067	-0.087
19.416	0.026	19.439	0.030	19.458	0.029	19.481	-0.003	23.079	-0.139	23.079	-0.139	23.088	-0.170	23.097	-0.198	23.107	-0.218
19.499	-0.047	19.519	-0.091	19.544	-0.104	19.573	-0.100	23.118	-0.238	23.118	-0.238	23.136	-0.245	23.136	-0.257	23.151	-0.277
19.607	-0.061	19.638	0.022	19.662	0.073	19.684	0.116	23.161	-0.285	23.161	-0.285	23.173	-0.289	23.188	-0.300	23.200	-0.296
19.701	0.116	19.725	0.072	19.746	0.012	19.762	-0.072	23.210	-0.300	23.210	-0.300	23.227	-0.308	23.238	-0.316	23.247	-0.331
19.784	-0.120	19.808	-0.069	19.826	-0.026	19.846	-0.018	23.259	-0.355	23.259	-0.355	23.270	-0.363	23.285	-0.363	23.292	-0.339
19.869	-0.050	19.896	-0.102	19.920	-0.170	19.939	-0.190	23.308	-0.311	23.308	-0.311	23.322	-0.267	23.331	-0.223	23.343	-0.175
19.966	-0.051	19.993	-0.100	20.017	-0.064	20.046	-0.033	23.354	-0.128	23.354	-0.128	23.367	-0.080	23.380	-0.032	23.391	0.024
20.068	-0.053	20.089	-0.057	20.115	0.018	20.145	0.125	23.402	0.059	23.402	0.059	23.412	0.087	23.428	0.115	23.443	0.171
								23.456	0.195	23.456	0.195	23.470	0.234	23.483	0.274	23.494	0.298



23.506	0.334	23.517	0.354	23.530	0.358	23.542	0.358	27.204	-0.280	27.220	-0.244	27.236	-0.212	27.264	-0.109
23.555	0.350	23.566	0.330	23.577	0.302	23.588	0.274	27.251	-0.025	27.311	0.030	27.326	0.082	27.339	0.118
23.599	0.203	23.608	0.203	23.621	0.167	23.632	0.143	27.352	0.130	27.368	0.134	27.375	0.122	27.392	0.118
23.649	0.111	23.662	0.088	23.673	0.064	23.692	0.044	27.406	0.110	27.422	0.122	27.439	0.138	27.451	0.169
23.713	0.008	23.728	-0.020	23.743	-0.051	23.758	-0.091	27.463	0.209	27.478	0.257	27.496	0.316	27.508	0.332
23.776	-0.131	23.798	-0.158	23.816	-0.174	23.838	-0.155	27.523	0.340	27.541	0.332	27.565	0.316	27.586	0.285
23.840	-0.202	23.858	-0.190	23.873	-0.174	23.888	-0.155	27.615	0.245	27.636	0.213	27.660	0.169	27.677	0.122
23.900	-0.139	23.918	-0.135	23.933	-0.143	23.948	-0.151	27.691	0.086	27.705	0.034	27.719	-0.021	27.731	0.069
23.963	-0.171	23.978	-0.187	23.993	-0.187	24.008	-0.180	27.744	-0.113	27.754	-0.156	27.768	-0.156	27.779	-0.232
24.029	-0.180	24.043	-0.172	24.065	-0.156	24.079	-0.160	27.797	-0.260	27.809	-0.264	27.831	-0.260	27.846	-0.260
24.093	-0.164	24.107	-0.176	24.122	-0.208	24.130	-0.212	27.861	-0.256	27.880	-0.264	27.895	-0.272	27.907	-0.276
24.141	-0.212	24.157	-0.209	24.171	-0.193	24.182	-0.165	27.924	-0.264	27.946	-0.248	27.959	-0.208	27.975	-0.168
24.197	-0.212	24.212	-0.086	24.222	-0.066	24.230	-0.042	27.992	-0.121	28.006	-0.073	28.020	-0.037	28.038	-0.009
24.238	-0.026	24.252	-0.003	24.269	0.017	24.291	0.029	28.056	-0.014	28.077	0.026	28.097	0.058	28.112	0.090
24.313	0.053	24.328	0.072	24.341	0.104	24.355	0.140	28.130	0.146	28.145	0.197	28.161	0.261	28.177	0.309
24.377	0.207	24.392	0.251	24.404	0.275	24.418	0.290	28.189	0.336	28.202	0.368	28.216	0.392	28.230	0.412
24.435	0.278	24.448	0.255	24.473	0.171	24.491	0.111	28.246	0.428	28.261	0.440	28.276	0.448	28.291	0.452
24.506	0.067	24.523	0.024	24.540	-0.016	24.556	-0.052	28.304	0.448	28.318	0.428	28.333	0.376	28.345	0.340
24.575	-0.072	24.590	-0.100	24.616	-0.128	24.634	-0.160	28.361	0.421	28.376	0.213	28.389	0.154	28.402	0.114
24.652	-0.195	24.667	-0.211	24.676	-0.231	24.685	-0.235	28.417	0.066	28.430	0.034	28.446	-0.001	28.464	-0.053
24.733	-0.112	24.749	-0.093	24.768	-0.112	24.786	-0.136	28.482	-0.105	28.507	-0.160	28.515	-0.224	28.533	-0.295
24.844	-0.125	24.865	-0.152	24.879	-0.164	24.900	-0.180	28.553	-0.359	28.566	-0.403	28.578	-0.439	28.586	-0.454
24.920	-0.168	24.939	-0.156	24.962	-0.129	24.981	-0.109	28.595	-0.470	28.609	-0.486	28.621	-0.490	28.638	-0.486
25.011	-0.077	25.032	-0.041	25.049	-0.025	25.065	-0.033	28.653	-0.474	28.668	-0.474	28.686	-0.466	28.703	-0.470
25.085	-0.053	25.108	-0.085	25.121	-0.109	25.141	-0.121	28.715	-0.470	28.736	-0.466	28.749	-0.439	28.766	-0.391
25.156	-0.101	25.176	-0.081	25.190	-0.049	25.214	0.011	28.783	-0.327	28.801	-0.232	28.814	-0.156	28.827	-0.089
25.227	0.066	25.241	0.106	25.255	0.114	25.267	0.114	28.842	-0.033	28.857	0.026	28.870	0.058	28.886	0.090
25.280	0.110	25.292	0.102	25.303	0.082	25.315	0.078	28.898	0.118	28.919	0.161	28.939	0.205	28.958	0.253
25.327	0.062	25.347	0.066	25.357	0.078	25.373	0.082	28.970	0.281	28.983	0.300	28.997	0.312	29.010	0.300
25.317	0.090	25.402	0.086	25.420	0.070	25.434	0.038	29.030	0.280	29.050	0.253	29.066	0.205	29.085	0.177
25.457	-0.013	25.477	-0.065	25.494	-0.089	25.509	-0.113	29.103	0.153	29.121	0.117	29.140	0.081	29.157	0.042
25.540	-0.121	25.536	-0.121	25.553	-0.109	25.572	-0.101	29.173	-0.010	29.189	-0.074	29.203	-0.117	29.220	-0.177
25.588	-0.101	25.607	-0.113	25.624	-0.140	25.643	-0.180	29.235	-0.225	29.253	-0.280	29.273	-0.320	29.288	-0.360
25.658	-0.200	25.675	-0.220	25.690	-0.220	25.710	-0.212	29.303	-0.376	29.320	-0.404	29.342	-0.436	29.360	-0.452
25.728	-0.208	25.747	-0.196	25.767	-0.164	25.789	-0.129	29.374	-0.456	29.391	-0.452	29.411	-0.436	29.433	-0.404
25.807	-0.085	25.816	-0.069	25.833	-0.061	25.848	-0.053	29.453	-0.377	29.469	-0.357	29.488	-0.337	29.506	-0.317
25.859	-0.057	25.879	-0.061	25.897	-0.057	25.923	-0.041	29.516	-0.290	29.527	-0.250	29.544	-0.158	29.558	-0.127
25.944	-0.025	25.959	0.007	25.982	0.034	26.003	0.054	29.573	-0.051	29.589	0.024	29.608	0.127	29.622	0.195
26.030	0.070	26.053	0.086	26.077	0.098	26.099	0.102	29.634	0.242	29.644	0.278	29.657	0.306	29.667	0.322
26.122	0.114	26.137	0.122	26.153	0.134	26.170	0.126	29.679	0.325	29.692	0.317	29.712	0.305	29.728	0.317
26.187	0.110	26.205	0.062	26.227	0.007	26.245	-0.041	29.737	0.325	29.749	0.341	29.764	0.365	29.777	0.373
26.267	-0.089	26.281	-0.109	26.294	-0.125	26.309	-0.137	29.790	0.357	29.802	0.337	29.811	0.317	29.820	0.273
26.327	-0.133	26.343	-0.125	26.361	-0.121	26.384	-0.129	29.830	0.221	29.846	0.162	29.856	0.086	29.869	0.026
26.403	-0.137	26.423	-0.144	26.447	-0.144	26.460	-0.144	29.879	-0.017	29.894	-0.077	29.905	-0.137	29.922	-0.169
26.478	-0.160	26.495	-0.172	26.504	-0.176	26.519	-0.188	29.937	-0.213	29.952	-0.260	29.967	-0.288	29.981	-0.360
26.536	-0.192	26.557	-0.172	26.572	-0.144	26.586	-0.117	30.002	-0.404	30.014	-0.451	30.028	-0.503	30.044	-0.551
26.604	-0.061	26.623	0.014	26.638	0.066	26.657	0.122	30.054	-0.575	30.062	-0.563	30.072	-0.587	30.088	-0.571
26.677	0.181	26.684	0.189	26.697	0.193	26.711	0.189	30.107	-0.539	30.133	-0.476	30.154	-0.417	30.175	-0.369
26.722	0.154	26.733	0.169	26.746	0.158	26.761	0.150	30.193	-0.321	30.218	-0.266	30.235	-0.206	30.252	-0.123
26.774	0.158	26.790	0.169	26.808	0.169	26.825	0.162	30.271	-0.032	30.291	0.064	30.313	0.151	30.323	0.202
26.840	0.134	26.862	0.090	26.884	0.022	26.908	-0.045	30.339	-0.254	30.345	0.278	30.359	0.290	30.375	0.305
26.932	-0.113	26.955	-0.164	26.978	-0.212	26.994	-0.244	30.396	0.309	30.411	0.309	30.425	0.309	30.441	0.308
27.008	-0.264	27.024	-0.276	27.039	-0.295	27.054	-0.303	30.457	0.300	30.469	0.284	30.486	0.284	30.498	0.236
27.068	-0.303	27.087	-0.299	27.105	-0.288	27.118	-0.272	30.512	0.200	30.526	0.160	30.543	0.105	30.554	0.037
27.133	-0.276	27.147	-0.280	27.164	-0.284	27.183	-0.288	30.568	-0.021	30.582	-0.027	30.596	-0.079	30.615	-0.127
								30.638	-0.175	30.659	-0.219	30.670	-0.239	30.688	-0.275



30.723	-0.347	30.747	-0.371	30.765	-0.387	30.783	-0.387
30.799	-0.399	30.819	-0.391	30.843	-0.372	30.866	-0.349
30.883	-0.317	30.900	-0.290	30.915	-0.270	30.933	-0.239
30.950	-0.199	30.965	-0.152	30.989	-0.077	31.009	-0.030
31.021	0.006	31.040	0.041	31.060	0.064	31.073	0.092
31.087	0.120	31.100	0.155	31.123	0.226	31.138	0.269
31.158	0.301	31.168	0.324	31.179	0.328	31.193	0.328
31.210	0.312	31.225	0.264	31.239	0.251	31.258	0.215
31.280	0.175	31.301	0.135	31.320	0.110	31.338	0.086
31.354	0.050	31.370	0.014	31.386	-0.038	31.408	-0.094
31.426	-0.138	31.445	-0.182	31.455	-0.206	31.466	-0.210
31.482	-0.214	31.498	-0.206	31.516	-0.198	31.531	-0.195
31.549	-0.203	31.567	-0.207	31.584	-0.203	31.599	-0.192
31.611	-0.176	31.626	-0.148	31.643	-0.105	31.662	-0.061
31.675	-0.010	31.697	0.033	31.716	0.073	31.742	0.124
31.761	0.164	31.782	0.183	31.800	0.195	31.819	0.203
31.840	0.210	31.862	0.210	31.882	0.206	31.900	0.194
31.917	0.182	31.937	0.166	31.951	0.142	31.963	0.119
31.982	0.087	31.996	0.051	32.015	0.011	32.032	-0.025
32.047	-0.064	32.065	-0.100	32.079	-0.120	32.097	-0.136
32.116	-0.156	32.132	-0.164	32.148	-0.176	32.163	-0.184
32.177	-0.196	32.197	-0.216	32.214	-0.236	32.228	-0.259
32.242	-0.275	32.257	-0.283	32.271	-0.291	32.298	-0.275
32.315	-0.228	32.343	-0.188	32.355	-0.148	32.376	-0.117
32.396	-0.085	32.416	-0.069	32.439	-0.053	32.463	-0.057
32.485	-0.045						



III 125

71.134 2/9/71 0600PST FULLERTON,2600 NUTWOOD,PENT.(CTR) WEST

1555 POINTS 32.460 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 0.2528 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.026	0.008	0.034	0.021	0.026	0.031	0.030	2.454	-0.025	2.469	-0.025	2.480	-0.016	2.497	-0.008
0.044	0.030	0.056	0.025	0.065	0.030	0.077	0.025	2.512	0.001	2.529	0.010	2.544	0.014	2.558	0.027
0.090	0.016	0.101	0.016	0.112	0.021	0.122	0.020	2.576	0.031	2.600	0.040	2.623	0.010	2.644	0.036
0.128	0.016	0.138	0.016	0.152	0.033	0.162	0.029	2.663	0.023	2.685	0.031	2.707	0.027	2.723	0.044
0.176	0.029	0.188	0.033	0.201	0.037	0.214	0.028	2.742	0.044	2.751	0.053	2.764	0.057	2.778	0.049
0.231	0.037	0.245	0.024	0.258	0.011	0.269	0.019	2.791	0.049	2.807	0.027	2.823	0.014	2.837	0.001
0.281	0.015	0.298	0.019	0.314	0.014	0.329	0.001	2.851	0.005	2.877	0.005	2.897	-0.003	2.913	0.010
0.349	0.014	0.366	0.036	0.383	0.040	0.399	0.044	2.937	0.006	2.951	0.023	2.964	0.019	2.986	0.002
0.416	0.040	0.430	0.048	0.448	0.039	0.467	0.043	3.004	-0.037	3.018	-0.024	3.034	0.019	3.053	0.002
0.484	0.004	0.494	0.009	0.508	0.008	0.521	0.021	3.071	-0.010	3.085	-0.014	3.102	-0.001	3.119	0.008
0.541	0.025	0.555	0.030	0.567	0.038	0.577	0.034	3.138	0.012	3.157	0.013	3.169	0.043	3.186	0.061
0.590	0.055	0.604	0.051	0.621	0.029	0.638	0.012	3.203	0.065	3.215	0.048	3.231	0.048	3.246	0.035
0.654	-0.006	0.671	-0.006	0.686	0.020	0.699	0.024	3.262	0.031	3.275	0.040	3.293	0.036	3.311	0.019
0.715	0.033	0.733	0.028	0.750	0.041	0.764	0.041	3.320	0.049	3.339	0.032	3.352	0.028	3.376	0.015
0.778	0.023	0.791	0.006	0.810	0.010	0.827	-0.007	3.393	0.002	3.413	0.028	3.433	0.032	3.451	0.041
0.842	0.001	0.856	0.005	0.870	0.027	0.884	0.031	3.473	0.062	3.492	0.062	3.575	-0.012	3.585	-0.008
0.898	0.044	0.909	0.057	0.924	0.057	0.939	0.061	3.566	0.010	3.625	0.023	3.643	0.031	3.663	0.057
0.954	0.052	0.970	0.043	0.987	0.030	1.001	0.029	3.681	0.040	3.695	0.031	3.710	0.018	3.721	-0.008
1.016	0.016	1.033	0.033	1.047	0.033	1.062	0.033	3.741	0.009	3.762	0.005	3.782	0.013	3.800	0.031
1.080	0.028	1.056	0.015	1.112	0.015	1.131	0.019	3.824	0.013	3.846	0.030	3.875	-0.005	3.889	0.030
1.146	0.014	1.166	0.040	1.178	0.031	1.191	0.026	3.911	0.029	3.935	0.033	3.947	0.024	3.965	0.024
1.206	0.026	1.223	0.022	1.242	0.026	1.262	0.025	3.911	0.029	3.935	0.033	3.947	0.024	3.965	0.024
1.277	0.025	1.292	0.025	1.310	0.038	1.327	0.033	3.985	0.041	3.994	0.062	4.005	0.066	4.021	0.057
1.349	0.028	1.373	-0.015	1.392	-0.011	1.415	-0.003	4.036	0.040	4.049	0.022	4.065	0.0	4.078	-0.018
1.431	0.014	1.453	0.040	1.469	0.061	1.489	0.048	4.091	-0.035	4.105	-0.018	4.119	0.003	4.130	0.025
1.508	0.048	1.530	0.026	1.549	0.044	1.571	0.021	4.141	0.037	4.152	0.059	4.167	0.054	4.182	0.041
1.590	0.029	1.621	0.055	1.639	0.063	1.659	0.063	4.196	0.023	4.260	0.006	4.221	-0.021	4.231	-0.038
1.677	0.058	1.702	0.010	1.719	0.018	1.738	0.001	4.242	-0.052	4.260	-0.035	4.273	-0.013	4.283	0.008
1.758	0.027	1.774	0.039	1.791	0.048	1.810	0.052	4.297	0.034	4.311	0.080	4.324	0.072	4.339	0.068
1.828	0.025	1.845	-0.001	1.861	-0.005	1.876	-0.010	4.354	0.063	4.371	0.050	4.384	0.028	4.396	0.011
1.894	0.003	1.911	-0.002	1.929	0.007	1.945	0.011	4.410	-0.002	4.419	-0.007	4.428	0.010	4.444	0.028
1.959	0.015	1.972	0.002	1.989	-0.003	2.005	0.011	4.458	0.041	4.471	0.049	4.488	0.036	4.508	0.014
2.019	-0.003	2.034	0.018	2.047	0.031	2.065	0.031	4.517	0.014	4.534	0.014	4.550	0.014	4.570	0.010
2.085	0.052	2.099	0.048	2.115	0.056	2.126	0.039	4.594	0.018	4.610	0.040	4.626	0.062	4.647	0.070
2.142	0.030	2.156	0.017	2.168	0.012	2.182	0.012	4.671	0.061	4.692	0.031	4.711	0.018	4.734	0.026
2.198	0.016	2.216	0.020	2.234	0.024	2.249	0.037	4.756	0.039	4.781	0.052	4.799	0.039	4.822	0.022
2.263	0.033	2.277	0.033	2.291	0.028	2.302	0.019	4.847	0.022	4.871	0.030	4.894	0.026	4.918	0.035
2.317	0.010	2.329	0.001	2.339	0.001	2.351	0.006	4.942	-0.027	4.963	-0.067	4.986	-0.020	5.006	-0.033
2.363	-0.003	2.375	-0.008	2.389	0.001	2.401	-0.003	5.035	-0.019	5.058	0.012	5.073	0.030	5.093	0.056
2.413	-0.008	2.424	-0.016	2.436	-0.029	2.445	-0.025	5.116	0.056	5.136	0.048	5.163	0.040	5.188	0.066



5.206	0.075	5.224	0.084	5.250	0.058	5.277	0.055	9.595	-0.144	10.007	-0.114	10.024	-0.023	10.042	0.055
5.303	0.046	5.318	0.077	5.345	0.073	5.370	0.052	10.061	0.141	10.083	0.224	10.095	0.284	10.118	0.288
5.387	0.017	5.408	0.018	5.425	0.009	5.450	0.003	10.138	0.258	10.159	0.197	10.176	0.171	10.194	0.188
5.467	-0.003	5.486	0.015	5.508	0.002	5.524	-0.015	10.209	0.231	10.233	0.270	10.241	0.248	10.265	0.222
5.550	-0.019	5.575	0.020	5.594	0.047	5.614	0.064	10.291	0.152	10.306	0.066	10.324	0.026	10.341	-0.004
5.636	0.082	5.655	0.087	5.671	0.061	5.688	0.035	10.353	-0.017	10.375	0.017	10.392	0.065	10.408	0.091
5.707	0.031	5.727	0.040	5.747	0.062	5.766	0.088	10.417	0.095	10.437	0.052	10.454	-0.044	10.469	-0.122
5.789	0.084	5.808	0.076	5.831	0.072	5.858	0.064	10.483	-0.213	10.500	-0.300	10.518	-0.356	10.535	-0.335
5.881	0.068	5.910	0.051	5.939	0.064	5.957	0.068	10.556	-0.322	10.569	-0.300	10.588	-0.256	10.613	-0.291
5.979	0.072	5.997	0.059	6.015	0.046	6.039	0.054	10.632	-0.300	10.658	-0.256	10.672	-0.252	10.701	-0.167
6.057	0.093	6.093	0.072	6.120	0.067	6.141	0.054	10.722	-0.140	10.749	-0.109	10.771	-0.118	10.789	-0.049
6.159	0.032	6.191	0.036	6.223	0.032	6.267	0.032	10.759	0.021	10.818	0.151	10.832	0.285	10.847	0.372
6.256	0.036	6.316	0.027	6.332	0.018	6.349	0.040	10.861	0.454	10.881	0.563	10.903	0.654	10.914	0.676
6.364	0.062	6.379	0.083	6.399	0.079	6.418	0.065	10.926	0.654	10.942	0.550	10.958	0.411	10.973	0.598
6.442	0.056	6.460	0.038	6.483	0.020	6.504	0.042	10.993	0.177	11.005	0.133	11.018	0.112	11.035	0.125
6.516	0.059	6.537	0.054	6.560	0.041	6.581	0.036	11.053	0.138	11.068	0.107	11.085	0.007	11.101	-0.127
6.602	0.035	6.620	0.048	6.636	0.057	6.656	0.073	11.121	-0.292	11.137	-0.387	11.155	-0.466	11.171	-0.474
6.671	0.078	6.689	0.086	6.716	0.059	6.738	0.037	11.203	-0.418	11.232	-0.309	11.256	-0.249	11.272	-0.236
6.754	0.006	6.774	-0.003	6.800	0.001	6.815	0.018	11.293	-0.240	11.309	-0.240	11.333	-0.179	11.352	-0.075
6.841	0.031	6.860	0.043	6.871	0.048	6.895	0.030	11.370	0.068	11.391	0.185	11.412	0.224	11.429	0.190
6.915	0.003	6.942	-0.010	6.961	-0.023	6.978	-0.024	11.447	0.146	11.465	0.120	11.491	0.203	11.513	0.342
6.999	0.002	7.026	0.005	7.045	0.023	7.067	0.022	11.532	0.441	11.553	0.472	11.566	0.472	11.582	0.433
7.076	0.009	7.105	0.009	7.128	0.017	7.157	0.047	11.597	0.359	11.617	0.203	11.635	0.103	11.656	0.060
7.171	0.081	7.192	0.107	7.206	0.120	7.223	0.111	11.695	0.172	11.716	-0.205	11.793	-0.405	11.806	-0.526
7.252	0.058	7.269	0.032	7.277	0.032	7.291	0.082	11.760	-0.001	11.776	-0.513	11.876	-0.422	11.900	-0.444
7.306	0.075	7.323	0.101	7.338	0.092	7.364	0.069	11.821	-0.596	11.849	-0.535	11.972	-0.470	11.994	-0.305
7.389	0.034	7.413	0.004	7.428	-0.040	7.448	-0.027	11.928	-0.518	11.949	-0.046	12.046	0.177	12.063	0.224
7.467	-0.027	7.487	-0.001	7.513	-0.018	7.534	-0.040	12.010	0.136	12.029	0.173	12.046	0.177	12.063	0.177
7.557	-0.062	7.570	-0.093	7.586	-0.106	7.613	-0.087	12.071	0.224	12.102	0.146	12.131	0.068	12.163	0.541
7.624	-0.023	7.642	0.011	7.660	0.041	7.672	0.076	12.190	0.381	12.213	0.532	12.234	0.585	12.253	0.177
7.699	0.063	7.718	0.058	7.747	0.062	7.779	0.067	12.277	0.420	12.295	0.307	12.310	0.220	12.332	0.177
7.795	0.104	7.812	0.101	7.828	0.114	7.851	0.105	12.354	0.185	12.366	0.190	12.386	0.138	12.400	0.033
7.866	0.079	7.879	0.040	7.897	0.010	7.923	-0.003	12.414	-0.127	12.428	-0.314	12.444	-0.509	12.459	-0.622
7.939	-0.016	7.965	-0.025	8.000	-0.038	8.034	-0.029	12.470	-0.339	12.488	-0.578	12.511	-0.396	12.529	-0.257
8.055	-0.051	8.081	-0.064	8.109	-0.073	8.133	-0.069	12.546	-0.183	12.557	-0.183	12.569	-0.197	12.587	-0.292
8.159	-0.055	8.184	-0.038	8.204	-0.042	8.222	-0.055	12.610	-0.413	12.631	-0.461	12.657	-0.370	12.692	-0.192
8.235	-0.047	8.254	-0.008	8.276	0.018	8.298	0.040	12.723	-0.023	12.744	0.103	12.771	0.229	12.788	0.064
8.319	0.062	8.347	0.066	8.378	0.057	8.409	0.048	12.800	0.289	12.834	0.159	12.844	0.099	12.866	0.064
8.435	0.035	8.464	0.039	8.497	0.052	8.536	0.052	12.893	0.142	12.917	0.259	12.937	0.329	12.963	0.359
8.577	0.069	8.604	0.051	8.626	-0.005	8.648	-0.023	12.984	0.316	13.012	0.237	13.037	0.211	13.059	0.259
8.670	-0.027	8.700	-0.025	8.721	0.046	8.734	0.064	13.081	0.342	13.095	0.368	13.111	0.316	13.123	0.211
8.760	0.024	8.784	-0.002	8.805	0.162	8.828	0.085	13.134	0.060	13.147	-0.057	13.160	-0.249	13.177	-0.353
8.844	0.111	8.866	0.145	8.877	0.162	8.893	0.143	13.201	-0.374	13.214	-0.327	13.227	-0.292	13.246	-0.266
8.914	0.088	8.937	0.010	8.964	-0.069	8.989	-0.143	13.265	-0.249	13.278	-0.253	13.302	-0.344	13.338	-0.444
9.008	-0.178	9.058	-0.183	9.058	-0.187	9.083	-0.205	13.362	-0.370	13.382	-0.218	13.405	-0.049	13.420	0.033
9.101	-0.205	9.121	-0.145	9.139	-0.058	9.160	-0.054	13.436	-0.077	13.455	-0.099	13.481	0.029	13.497	-0.062
9.177	-0.007	9.198	0.010	9.222	-0.012	9.242	-0.069	13.522	-0.131	13.541	-0.131	13.558	-0.032	13.574	0.120
9.256	-0.091	9.280	-0.065	9.309	0.004	9.321	0.065	13.590	0.303	13.606	0.459	13.623	0.602	13.642	0.684
9.343	0.155	9.354	0.203	9.372	0.250	9.394	0.233	13.657	0.676	13.672	0.606	13.685	0.515	13.695	0.420
9.417	0.185	9.440	0.158	9.459	0.162	9.478	0.205	13.707	0.307	13.724	0.224	13.738	0.155	13.754	0.129
9.492	0.266	9.512	0.296	9.526	0.322	9.529	0.317	13.775	0.125	13.758	0.046	13.818	-0.079	13.838	-0.205
9.545	0.256	9.565	0.148	9.585	0.030	9.603	-0.066	13.857	-0.314	13.879	-0.396	13.910	-0.457	13.944	-0.483
9.625	-0.131	9.640	-0.157	9.658	-0.105	9.684	-0.041	13.922	-0.552	13.950	-0.648	13.992	-0.721	14.004	-0.760
9.704	0.015	9.721	0.019	9.750	0.006	9.769	-0.042	14.021	-0.760	14.050	-0.630	14.070	-0.452	14.093	-0.309
9.794	-0.147	9.824	-0.225	9.850	-0.295	9.876	-0.326	14.114	-0.179	14.144	-0.014	14.167	0.034	14.183	0.138
9.900	-0.308	9.921	-0.252	9.948	-0.235	9.968	-0.183	14.203	0.334	14.219	0.507	14.234	0.629	14.256	0.707



14.277	0.681	14.304	0.612	14.333	0.581	14.362	0.646	19.173	0.042	19.203	-0.057	19.226	-0.163	19.257	-0.202
14.390	0.617	14.414	0.560	14.434	0.360	14.449	0.204	19.286	-0.272	19.314	-0.364	19.333	-0.394	19.354	-0.347
14.471	0.022	14.497	0.134	14.520	-0.291	14.542	-0.429	19.385	-0.209	19.406	-0.066	19.433	0.025	19.456	0.054
14.562	-0.551	14.584	-0.651	14.604	-0.737	14.626	-0.768	19.483	0.045	19.509	0.014	19.529	0.005	19.556	0.057
14.649	-0.802	14.675	-0.837	14.694	-0.802	14.714	-0.689	19.590	0.117	19.614	0.164	19.640	0.224	19.669	0.314
14.738	-0.451	14.760	-0.320	14.777	-0.281	14.787	-0.255	19.697	0.319	19.723	0.391	19.750	0.373	19.780	0.277
14.816	-0.116	14.840	-0.096	14.861	-0.357	14.882	0.595	19.806	0.199	19.832	0.129	19.856	0.076	19.876	-0.007
14.905	0.726	14.922	0.678	14.946	0.539	14.970	0.456	19.898	-0.120	19.915	-0.242	19.938	-0.372	19.959	-0.490
15.080	0.465	15.104	0.599	15.036	0.673	15.061	0.617	19.978	-0.346	19.999	-0.551	20.019	-0.482	20.043	-0.364
15.160	-0.262	15.189	-0.295	15.127	-0.052	15.146	-0.230	20.063	-0.283	20.084	-0.257	20.104	-0.266	20.126	-0.284
15.237	-0.260	15.251	-0.351	15.272	-0.499	15.293	-0.677	20.147	-0.271	20.167	-0.215	20.192	-0.090	20.215	0.045
15.310	-0.785	15.337	-0.838	15.361	-0.742	15.383	-0.499	20.241	0.127	20.276	0.200	20.298	0.317	20.322	0.468
15.404	-0.352	15.421	-0.274	15.455	-0.170	15.490	-0.013	20.340	0.585	20.362	0.632	20.381	0.576	20.396	0.471
15.519	0.160	15.553	0.403	15.571	0.568	15.587	0.646	20.412	0.363	20.428	0.232	20.448	0.141	20.476	0.084
15.605	0.612	15.629	0.585	15.652	0.494	15.673	0.394	20.497	0.076	20.519	0.054	20.544	0.014	20.567	-0.047
15.692	0.299	15.713	0.238	15.734	0.186	15.754	0.173	20.586	-0.121	20.606	-0.417	20.626	-0.282	20.644	-0.351
15.779	0.116	15.809	0.051	15.840	0.029	15.864	-0.045	20.669	-0.404	20.686	-0.471	20.723	-0.391	20.754	-0.340
15.879	-0.052	15.901	-0.270	15.917	-0.383	15.937	-0.531	20.792	-0.249	20.819	-0.171	20.847	-0.102	20.885	-0.011
15.952	-0.622	15.973	-0.635	16.002	-0.570	16.031	-0.479	20.917	-0.071	20.946	0.149	20.977	0.223	21.003	0.292
16.055	-0.409	16.100	-0.240	16.134	-0.066	16.161	0.064	21.035	0.309	21.058	0.309	21.079	0.309	21.101	0.313
16.176	0.103	16.194	0.060	16.215	0.012	16.236	0.025	21.127	0.263	21.154	0.244	21.181	0.218	21.203	0.148
16.270	0.216	16.295	0.411	16.311	0.532	16.341	0.602	21.229	0.105	21.256	0.057	21.281	0.013	21.302	-0.043
16.364	0.615	16.382	0.602	16.396	0.550	16.419	0.520	21.322	-0.113	21.339	-0.182	21.360	-0.273	21.390	-0.356
16.443	0.476	16.467	0.389	16.485	0.264	16.518	-0.014	21.411	-0.399	21.441	-0.429	21.474	-0.438	21.501	-0.429
16.541	-0.305	16.563	-0.504	16.582	-0.608	16.591	-0.617	21.533	-0.363	21.560	-0.254	21.592	-0.233	21.623	-0.172
16.605	-0.574	16.629	-0.404	16.648	-0.309	16.662	-0.274	21.650	0.120	21.679	0.015	21.699	0.059	21.690	0.098
16.682	-0.352	16.701	-0.426	16.725	-0.460	16.749	-0.382	21.705	0.120	21.715	0.137	21.727	0.137	21.734	0.137
16.774	-0.265	16.797	-0.139	16.815	-0.078	16.846	-0.039	21.739	0.138	21.752	0.138	21.760	0.138	21.775	0.134
16.869	-0.031	16.889	-0.022	16.912	-0.187	16.938	0.434	21.756	0.138	21.812	0.251	21.826	0.190	21.848	0.230
16.956	0.671	16.971	0.725	16.986	0.717	17.007	0.695	21.861	0.247	21.870	0.251	21.883	0.239	21.896	0.217
17.017	0.529	17.032	0.391	17.050	0.231	17.067	0.157	21.905	0.182	21.921	0.126	21.945	0.039	21.965	-0.026
17.083	0.148	17.110	0.240	17.131	0.300	17.152	0.305	21.980	-0.056	22.017	-0.073	22.037	-0.090	22.052	-0.120
17.181	0.131	17.205	-0.090	17.224	-0.294	17.238	-0.446	22.073	-0.181	22.091	-0.233	22.108	-0.294	22.127	-0.311
17.252	-0.553	17.272	-0.684	17.293	-0.714	17.322	-0.610	22.138	-0.307	22.152	-0.289	22.166	-0.233	22.182	-0.167
17.344	-0.567	17.372	-0.562	17.390	-0.579	17.421	-0.514	22.199	-0.080	22.211	-0.028	22.228	0.007	22.243	0.007
17.439	-0.362	17.460	-0.132	17.481	0.089	17.500	0.384	22.264	0.006	22.285	-0.050	22.303	-0.054	22.321	-0.041
17.520	0.332	17.547	0.289	17.577	0.241	17.610	0.384	22.343	0.012	22.362	0.081	22.377	0.112	22.387	0.120
17.634	0.640	17.655	0.870	17.678	0.566	17.696	0.905	22.406	0.099	22.423	0.038	22.453	-0.066	22.473	0.152
17.708	0.771	17.735	0.406	17.756	0.211	17.771	0.133	22.497	-0.183	22.515	-0.157	22.540	-0.109	22.556	-0.074
17.783	0.111	17.805	0.172	17.819	0.255	17.838	0.285	22.572	-0.065	22.593	-0.074	22.616	-0.156	22.639	-0.199
17.859	0.211	17.879	-0.010	17.894	-0.192	17.911	-0.418	22.655	-0.212	22.670	-0.182	22.704	-0.077	22.727	-0.021
17.929	-0.557	17.942	-0.800	17.956	-0.826	17.975	-0.730	22.759	0.045	22.782	0.097	22.822	0.171	22.843	0.219
18.003	-0.375	18.030	-0.245	18.051	-0.297	18.078	-0.483	22.872	0.245	22.890	0.232	22.906	0.206	22.936	0.155
18.095	-0.588	18.110	-0.640	18.119	-0.640	18.137	-0.575	22.968	0.120	23.001	0.082	23.046	-0.026	23.079	-0.147
18.158	-0.571	18.180	-0.136	18.209	0.054	18.233	0.193	23.107	-0.238	23.128	-0.259	23.149	-0.242	23.257	-0.184
18.260	0.241	18.284	0.267	18.307	0.401	18.332	0.575	23.192	-0.163	23.213	-0.145	23.240	-0.162	23.257	-0.184
18.359	0.705	18.373	0.740	18.394	0.740	18.409	0.726	23.284	-0.214	23.305	-0.196	23.329	-0.148	23.372	-0.048
18.437	0.574	18.460	0.379	18.481	0.223	18.510	0.066	23.408	0.039	23.436	0.095	23.462	0.126	23.493	0.165
18.534	-0.016	18.561	-0.073	18.594	-0.143	18.619	-0.234	23.511	0.187	23.532	0.208	23.554	0.187	23.574	0.117
18.639	-0.356	18.660	-0.473	18.681	-0.555	18.700	-0.577	23.601	0.022	23.625	-0.047	23.649	-0.073	23.664	-0.086
18.729	-0.495	18.751	-0.361	18.775	-0.196	18.797	-0.079	23.689	-0.073	23.708	-0.065	23.725	-0.095	23.752	-0.177
18.817	-0.001	18.840	0.034	18.860	0.073	18.888	0.159	23.776	-0.251	23.798	-0.234	23.819	-0.234	23.840	-0.173
18.922	0.263	18.947	0.327	18.978	0.375	18.992	0.348	23.864	-0.134	23.881	-0.108	23.906	-0.147	23.933	-0.217
19.015	0.309	19.027	0.291	19.042	0.291	19.059	0.291	23.960	-0.256	23.978	-0.226	23.958	-0.152	24.026	0.008
19.076	0.291	19.096	0.273	19.125	0.255	19.152	0.155	24.059	0.160	24.074	0.220	24.092	0.229	24.167	0.229
								24.119	0.198	24.145	0.150	24.166	0.142	24.199	0.141



24.226	0.128	24.251	0.093	24.275	0.063	24.305	0.015	29.612	0.009	29.631	0.031	29.657	0.044	29.668	0.048
24.339	0.001	24.367	-0.008	24.388	-0.025	24.416	-0.060	29.685	0.069	29.710	0.104	29.728	0.134	29.751	0.147
24.447	-0.082	24.488	-0.086	24.511	-0.113	24.538	-0.156	29.767	0.134	29.784	0.055	29.808	0.060	29.828	0.029
24.565	-0.213	24.594	-0.265	24.625	-0.287	24.646	-0.282	29.853	0.008	29.867	-0.036	29.906	-0.080	29.927	-0.119
24.672	-0.209	24.694	-0.135	24.717	-0.079	24.749	0.021	29.943	-0.015	29.964	-0.206	29.981	-0.232	30.002	-0.249
24.771	0.103	24.793	0.190	24.817	0.264	24.856	0.303	30.024	-0.237	30.050	-0.180	30.075	-0.120	30.058	-0.076
24.889	0.320	24.915	0.363	24.937	0.385	24.955	0.394	30.122	-0.042	30.142	-0.020	30.162	0.010	30.160	0.044
24.971	0.363	24.999	0.289	25.030	0.159	25.055	0.031	30.200	0.066	30.219	0.052	30.239	0.118	30.259	0.135
25.082	-0.019	25.108	-0.053	25.135	-0.088	25.166	-0.152	30.283	0.157	30.304	0.152	30.329	0.130	30.372	0.078
25.185	-0.275	25.211	-0.379	25.238	-0.422	25.258	-0.418	30.393	0.043	30.422	-0.004	30.449	-0.049	30.478	-0.101
25.277	-0.374	25.299	-0.335	25.325	-0.314	25.367	-0.305	30.503	-0.171	30.527	-0.232	30.548	-0.263	30.565	-0.259
25.393	-0.266	25.416	-0.188	25.445	-0.071	25.467	0.029	30.586	-0.224	30.612	-0.186	30.632	-0.147	30.654	-0.117
25.494	0.142	25.532	0.220	25.559	0.268	25.590	0.337	30.682	-0.087	30.707	-0.074	30.733	-0.048	30.762	-0.023
25.625	0.415	25.642	0.433	25.657	0.424	25.678	0.398	30.768	0.007	30.812	0.046	30.835	0.072	30.858	0.072
25.703	0.316	25.739	0.194	25.769	0.086	25.801	-0.014	30.883	0.071	30.902	0.042	30.930	0.074	30.952	0.087
25.833	-0.149	25.857	-0.270	25.883	-0.366	25.908	-0.453	30.976	0.095	30.995	0.086	31.028	0.042	31.051	-0.028
25.927	-0.487	25.953	-0.505	25.979	-0.479	26.007	-0.426	31.087	-0.081	31.114	-0.051	31.134	-0.078	31.154	-0.070
26.036	-0.366	26.076	-0.210	26.105	-0.058	26.136	0.116	31.181	-0.088	31.213	-0.128	31.238	-0.180	31.268	-0.229
26.214	0.493	26.296	0.524	26.315	0.502	26.336	0.467	31.250	-0.081	31.312	-0.265	31.335	-0.261	31.361	-0.261
26.359	0.372	26.384	0.242	26.428	0.033	26.456	-0.101	31.390	-0.275	31.405	-0.271	31.432	-0.245	31.455	-0.198
26.491	-0.283	26.523	-0.409	26.552	-0.500	26.582	-0.535	31.478	-0.146	31.502	-0.086	31.531	-0.034	31.564	0.013
26.600	-0.539	26.626	-0.509	26.653	-0.440	26.678	-0.357	31.556	0.047	31.625	0.073	31.662	0.112	31.693	0.133
26.710	-0.266	26.742	-0.162	26.766	-0.049	26.790	0.073	31.721	0.137	31.748	0.158	31.792	0.205	31.823	0.235
26.811	-0.177	26.837	-0.281	26.854	-0.337	26.873	-0.381	31.846	0.239	31.871	0.234	31.900	0.217	31.927	0.199
26.897	0.402	26.922	0.402	26.947	0.402	26.967	0.415	31.949	0.173	31.972	0.143	31.999	0.073	32.026	-0.005
26.990	0.415	27.012	0.385	27.041	0.298	27.071	0.194	32.057	-0.079	32.083	-0.148	32.106	-0.183	32.137	-0.200
27.103	0.081	27.135	-0.019	27.166	-0.079	27.193	-0.114	32.163	-0.209	32.190	-0.209	32.221	-0.192	32.260	-0.157
27.235	-0.166	27.260	-0.205	27.284	-0.223	27.302	-0.240	32.289	-0.127	32.324	-0.075	32.356	-0.010	32.383	0.059
27.321	-0.244	27.334	-0.231	27.353	-0.223	27.373	-0.188	32.406	0.107	32.431	0.146	32.460	0.189		
27.394	-0.127	27.415	-0.057	27.430	-0.053	27.448	-0.014								
27.472	0.020	27.494	0.059	27.514	0.086	27.538	0.133								
27.556	0.172	27.576	0.190	27.588	0.154	27.607	0.177								
27.628	0.155	27.646	0.133	27.668	0.112	27.686	0.099								
27.706	0.094	27.728	0.086	27.745	0.068	27.769	0.012								
27.759	-0.066	27.824	-0.131	27.850	-0.183	27.880	-0.218								
27.915	-0.249	27.939	-0.275	27.963	-0.256	27.986	-0.318								
28.009	-0.305	28.030	-0.270	28.049	-0.236	28.077	-0.175								
28.058	-0.140	28.127	-0.084	28.147	-0.040	28.170	0.012								
28.188	0.055	28.210	0.099	28.238	0.159	28.262	0.211								
28.283	0.250	28.303	0.285	28.319	0.302	28.338	0.307								
28.359	0.311	28.382	0.311	28.410	0.285	28.426	0.246								
28.447	0.198	28.470	0.155	28.491	0.107	28.509	0.073								
28.533	0.012	28.554	-0.023	28.577	-0.062	28.599	-0.097								
28.622	-0.114	28.647	-0.114	28.673	-0.114	28.695	-0.123								
28.718	-0.123	28.742	-0.114	28.761	-0.097	28.776	-0.066								
28.789	-0.040	28.806	0.007	28.827	0.042	28.839	0.073								
28.854	0.107	28.873	0.138	28.888	0.155	28.904	0.155								
28.919	0.172	28.940	0.168	28.955	0.155	28.970	0.133								
28.991	0.120	29.014	0.090	29.039	0.085	29.069	0.068								
29.092	0.042	29.113	0.016	29.137	-0.032	29.158	-0.071								
29.180	-0.106	29.198	-0.132	29.219	-0.141	29.246	-0.141								
29.269	-0.137	29.285	-0.141	29.300	-0.163	29.321	-0.206								
29.342	-0.206	29.369	-0.185	29.384	-0.167	29.414	-0.150								
29.440	-0.129	29.459	-0.124	29.482	-0.120	29.508	-0.103								
29.526	-0.086	29.550	-0.051	29.568	-0.034	29.590	-0.004								



71.134 2/9/71 0600PST FULLERTON,2600 NUTWOOD,PENT.(CTR) DOWN

1685 POINTS 32.500 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 0.0667 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.071	0.016	0.032	0.039	0.065	0.057	0.071	2.350	0.023	2.364	-0.005	2.378	0.045	2.391	0.100		
0.071	0.054	0.084	0.015	0.097	-0.019	0.102	-0.008	2.397	0.128	2.413	0.156	2.419	0.134	2.433	0.078		
0.120	0.003	0.131	0.048	0.141	0.070	0.155	0.064	2.449	0.045	2.461	0.011	2.479	0.017	2.454	0.067		
0.165	0.053	0.176	0.069	0.186	0.069	0.203	0.058	2.498	0.084	2.511	0.078	2.528	0.050	2.535	0.011		
0.213	0.019	0.225	0.008	0.234	-0.026	0.246	-0.026	2.548	-0.039	2.567	0.017	2.576	0.072	2.583	0.067		
0.260	0.030	0.272	0.063	0.281	0.079	0.296	0.074	2.603	0.028	2.617	-0.016	2.633	-0.016	2.650	0.022		
0.307	0.062	0.322	0.068	0.328	0.079	0.338	0.117	2.663	0.061	2.677	0.084	2.693	0.095	2.707	0.039		
0.350	0.084	0.361	0.067	0.371	0.034	0.382	0.017	2.723	0.000	2.736	-0.022	2.753	0.017	2.767	0.061		
0.397	0.022	0.410	0.017	0.425	0.005	0.442	-0.011	2.778	0.095	2.787	0.095	2.802	0.061	2.817	0.039		
0.454	0.081	0.465	0.038	0.479	0.012	0.496	0.088	2.835	0.050	2.848	0.072	2.865	0.078	2.880	0.045		
0.513	0.082	0.527	0.060	0.540	0.032	0.557	0.043	2.857	0.017	2.912	0.028	2.925	0.045	2.942	0.045		
0.563	0.065	0.578	0.098	0.595	0.070	0.602	0.031	2.961	0.029	2.983	0.046	2.995	0.090	3.004	0.124		
0.613	0.009	0.633	0.031	0.649	0.036	0.672	0.047	3.011	0.146	3.022	0.119	3.031	0.069	3.045	0.036		
0.689	0.058	0.696	0.047	0.713	0.030	0.722	0.002	3.065	0.047	3.081	0.103	3.054	0.114	3.108	0.064		
0.733	-0.009	0.748	0.019	0.762	0.063	0.774	0.102	3.120	0.026	3.138	-0.030	3.157	-0.007	3.213	0.021		
0.794	0.062	0.804	-0.004	0.810	-0.049	0.819	-0.071	3.173	0.060	3.187	0.015	3.269	0.083	3.281	0.083		
0.841	-0.027	0.853	0.040	0.861	0.095	0.887	0.089	3.232	0.060	3.247	0.050	3.378	0.034	3.363	0.054		
0.908	0.089	0.940	0.105	0.956	0.066	0.971	0.053	3.353	-0.021	3.360	-0.021	3.445	0.035	3.455	0.068		
0.993	0.037	1.015	0.081	1.033	0.053	1.057	0.053	3.469	0.062	3.485	0.096	3.501	0.090	3.522	0.051		
1.080	0.024	1.096	0.046	1.119	0.040	1.136	0.012	3.589	0.128	3.599	0.089	3.614	0.034	3.629	-0.011		
1.155	0.051	1.160	0.090	1.174	0.055	1.187	0.056	3.640	0.000	3.652	0.045	3.658	0.078	3.670	0.100		
1.198	-0.022	1.207	-0.000	1.218	0.022	1.237	0.060	3.684	0.050	3.694	0.017	3.702	-0.000	3.717	0.072		
1.255	0.077	1.270	0.054	1.287	0.009	1.297	-0.002	3.730	0.083	3.746	0.089	3.759	0.116	3.774	0.072		
1.320	0.009	1.337	0.025	1.351	0.030	1.372	0.013	3.787	0.033	3.798	0.034	3.813	0.099	3.824	0.055		
1.392	0.002	1.414	0.012	1.435	0.018	1.441	0.045	3.839	0.021	3.846	-0.034	3.861	-0.073	3.878	-0.029		
1.456	0.056	1.474	0.033	1.495	0.022	1.513	0.005	3.897	0.004	3.912	0.059	3.924	0.048	3.939	0.020		
1.529	0.016	1.541	0.038	1.562	0.082	1.576	0.054	3.953	-0.014	3.965	0.030	3.976	0.034	4.036	0.045		
1.592	0.020	1.603	0.009	1.630	0.047	1.643	0.080	3.995	0.052	4.008	0.029	4.084	-0.029	4.053	-0.045		
1.654	0.102	1.669	0.074	1.686	0.029	1.698	0.007	4.052	0.078	4.072	0.033	4.043	0.109	4.136	0.103		
1.714	0.018	1.728	0.045	1.743	0.039	1.762	0.022	4.110	-0.001	4.123	0.048	4.143	0.112	4.230	0.071		
1.774	0.011	1.791	0.033	1.810	0.016	1.822	-0.001	4.168	0.102	4.188	0.130	4.272	0.050	4.283	0.071		
1.837	0.021	1.856	0.059	1.868	0.087	1.885	0.053	4.241	-0.011	4.255	0.011	4.318	-0.046	4.331	0.003		
1.900	0.014	1.909	0.003	1.923	0.036	1.933	0.097	4.295	0.038	4.307	-0.035	4.372	0.141	4.385	0.074		
1.943	0.108	1.962	0.074	1.968	0.030	1.981	-0.015	4.345	0.081	4.360	0.130	4.431	0.018	4.439	0.112		
1.995	0.012	2.015	0.062	2.026	0.095	2.101	0.088	4.359	0.024	4.411	-0.032	4.470	0.079	4.482	0.040		
2.056	0.061	2.072	0.033	2.084	0.055	2.149	-0.051	4.447	0.151	4.454	0.140	4.511	0.074	4.532	0.101		
2.119	0.055	2.132	0.016	2.140	-0.040	2.149	-0.051	4.494	0.034								
2.165	0.004	2.176	0.037	2.191	0.058	2.211	0.048										
2.231	0.014	2.251	0.025	2.265	0.058	2.278	0.047										
2.291	0.035	2.308	0.041	2.325	0.057	2.337	0.046										



4.545	0.034	4.561	-0.033	4.578	-0.049	4.592	-0.005	7.992	-0.033	8.005	-0.022	8.021	0.039	8.028	0.050
4.615	0.084	4.638	0.134	4.649	0.156	4.664	0.145	8.047	0.028	8.062	0.034	8.078	0.089	8.083	0.078
4.680	0.072	4.698	0.017	4.717	-0.022	4.734	-0.000	8.103	-0.011	8.118	-0.044	8.132	-0.044	8.148	-0.005
4.757	0.055	4.769	0.094	4.788	0.022	4.809	-0.001	8.183	0.028	8.183	0.011	8.198	-0.022	8.219	-0.011
4.823	0.049	4.839	0.116	4.846	0.138	4.864	0.088	8.239	0.061	8.259	0.133	8.269	0.161	8.282	0.106
4.877	-0.023	4.886	-0.040	4.906	0.038	4.920	0.133	8.257	-0.055	8.304	-0.111	8.316	-0.133	8.332	-0.072
4.936	0.144	4.952	0.100	4.966	0.023	4.978	0.001	8.349	0.028	8.362	0.056	8.380	0.000	8.399	0.022
4.992	0.023	5.005	0.112	5.012	0.151	5.022	0.146	8.420	0.094	8.429	0.111	8.439	0.111	8.459	0.050
5.029	0.074	5.047	0.024	5.062	0.008	5.073	0.036	8.487	0.033	8.518	0.010	8.525	0.027	8.546	0.066
5.091	0.098	5.097	0.092	5.108	0.048	5.125	-0.024	8.562	0.088	8.582	0.021	8.606	-0.001	8.629	-0.024
5.133	-0.079	5.146	-0.073	5.157	-0.006	5.172	0.061	8.660	0.004	8.674	-0.046	8.689	-0.108	8.707	-0.058
5.183	0.083	5.198	0.072	5.212	0.050	5.225	0.039	8.722	0.014	8.742	0.047	8.763	0.047	8.791	0.069
5.245	0.051	5.259	0.062	5.272	0.052	5.284	0.007	8.803	0.030	8.826	0.068	8.838	0.035	8.845	0.063
5.297	-0.026	5.310	-0.003	5.329	0.070	5.337	0.092	8.888	0.063	8.901	-0.026	8.922	-0.038	8.940	0.023
5.361	0.087	5.375	0.067	5.387	0.115	5.398	0.121	8.960	0.017	8.975	0.037	8.987	0.111	9.008	0.044
5.408	0.105	5.423	0.077	5.442	0.066	5.456	0.044	9.031	-0.035	9.104	0.014	9.118	0.031	9.133	0.030
5.476	0.100	5.497	0.090	5.519	0.079	5.542	0.102	9.148	-0.020	9.161	-0.037	9.174	-0.004	9.188	0.046
5.500	0.135	5.522	0.141	5.584	0.080	5.597	0.014	9.208	0.051	9.231	0.028	9.251	-0.011	9.268	0.051
5.604	-0.030	5.619	-0.008	5.641	0.037	5.663	0.065	9.289	0.022	9.306	0.033	9.333	0.032	9.351	0.082
5.733	0.150	5.756	0.117	5.774	0.073	5.789	0.062	9.374	0.137	9.395	0.147	9.411	0.092	9.429	-0.020
5.800	0.079	5.819	0.124	5.840	0.107	5.851	0.058	9.447	-0.070	9.478	-0.049	9.503	-0.060	9.531	-0.055
5.867	0.014	5.881	-0.003	5.893	0.036	5.916	0.031	9.544	0.028	9.561	0.078	9.572	0.116	9.587	0.072
5.928	-0.003	5.945	0.019	5.958	0.064	5.965	0.086	9.613	-0.012	9.622	0.049	9.642	0.059	9.655	0.031
5.983	0.047	5.999	-0.003	6.006	-0.025	6.025	0.058	9.751	0.018	9.767	-0.060	9.790	-0.060	9.812	-0.022
6.040	0.169	6.054	0.202	6.063	0.208	6.078	0.141	9.832	-0.013	9.853	0.150	9.871	-0.173	9.888	-0.079
6.097	0.052	6.104	0.046	6.127	0.124	6.134	0.152	9.906	0.010	9.924	0.021	9.945	0.071	9.962	0.070
6.141	0.140	6.158	0.090	6.175	0.029	6.194	0.040	10.021	0.020	10.043	-0.042	10.055	-0.042	10.055	0.008
6.211	0.018	6.229	-0.027	6.246	-0.021	6.255	0.051	10.087	0.108	10.095	0.102	10.123	0.069	10.152	0.007
6.275	0.179	6.284	0.212	6.296	0.206	6.304	0.178	10.181	0.007	10.190	0.068	10.218	0.067	10.241	0.095
6.316	0.084	6.328	0.017	6.352	0.012	6.372	0.067	10.257	0.123	10.270	0.134	10.292	0.067	10.310	-0.006
6.394	0.056	6.400	0.072	6.431	0.072	6.448	0.049	10.324	-0.085	10.333	-0.106	10.361	-0.001	10.384	0.021
6.460	0.054	6.475	0.098	6.490	0.131	6.507	0.075	10.411	0.077	10.440	0.065	10.476	0.038	10.507	-0.079
6.522	0.015	6.534	0.002	6.540	0.052	6.557	0.096	10.527	-0.140	10.544	-0.163	10.566	-0.096	10.586	-0.002
6.571	0.118	6.582	0.062	6.599	-0.027	6.614	-0.044	10.603	0.037	10.616	-0.024	10.640	-0.085	10.656	-0.074
6.617	0.011	6.638	0.111	6.645	0.133	6.660	0.110	10.670	-0.052	10.684	-0.096	10.702	-0.141	10.734	-0.135
6.680	0.093	6.698	0.154	6.708	0.153	6.721	0.114	10.750	-0.052	10.762	-0.002	10.784	0.070	10.815	0.098
6.739	0.025	6.764	-0.042	6.786	-0.059	6.799	-0.015	10.836	0.059	10.861	-0.002	10.869	-0.030	10.884	-0.086
6.815	0.001	6.839	0.017	6.854	0.111	6.862	0.155	10.856	-0.019	10.911	-0.019	10.921	0.103	10.937	0.147
6.877	0.166	6.892	0.110	6.912	0.060	6.928	0.037	10.947	0.181	10.953	0.175	10.963	0.164	10.974	0.109
6.942	0.059	6.963	0.092	6.976	0.080	6.997	0.074	10.951	0.064	11.003	0.014	11.017	0.031	11.030	0.031
7.023	0.023	7.046	0.068	7.059	0.101	7.130	0.055	11.044	-0.025	11.065	-0.108	11.092	-0.030	11.114	0.014
7.149	-0.012	7.163	-0.051	7.175	0.009	7.189	0.037	11.135	-0.019	11.150	-0.052	11.173	0.014	11.190	0.064
7.207	0.075	7.228	0.064	7.261	-0.015	7.288	-0.026	11.200	0.081	11.221	0.003	11.236	-0.080	11.248	-0.108
7.312	0.012	7.333	0.028	7.352	0.055	7.368	0.088	11.245	-0.047	11.283	-0.063	11.302	-0.119	11.315	-0.236
7.375	0.133	7.392	0.066	7.416	-0.046	7.425	-0.074	11.329	0.286	11.353	-0.141	11.370	0.020	11.394	0.125
7.441	-0.018	7.467	0.059	7.489	0.054	7.505	-0.008	11.412	0.081	11.430	0.031	11.450	0.025	11.466	0.025
7.518	0.003	7.530	0.070	7.543	0.142	7.557	0.136	11.490	-0.019	11.519	0.009	11.526	0.031	11.543	0.003
7.572	0.020	7.586	-0.030	7.601	-0.058	7.618	0.003	11.558	-0.041	11.575	-0.069	11.594	-0.052	11.611	-0.041
7.627	0.014	7.639	0.014	7.649	-0.059	7.665	-0.098	11.624	-0.041	11.643	-0.036	11.657	0.020	11.672	0.019
7.673	-0.058	7.683	-0.048	7.697	0.124	7.712	0.174	11.700	0.053	11.714	0.003	11.726	-0.025	11.747	-0.019
7.729	0.113	7.751	-0.021	7.768	-0.054	7.795	0.012	11.761	-0.003	11.777	-0.075	11.791	-0.147	11.800	-0.180
7.805	0.023	7.820	0.001	7.828	-0.005	7.842	0.051	11.821	-0.075	11.838	0.059	11.857	0.109	11.871	-0.042
7.858	0.156	7.872	0.200	7.886	0.189	7.902	0.100	11.887	0.014	11.904	0.031	11.925	0.053	11.946	-0.036
7.915	0.022	7.935	0.017	7.952	0.045	7.970	0.011	11.964	-0.164	11.978	-0.219	11.995	-0.136	12.011	-0.019



12.030	0.059	12.047	0.042	12.063	-0.003	12.074	-0.003	16.363	-0.058	16.357	0.003	16.411	0.103	16.437	0.075
12.093	0.009	12.111	-0.080	12.129	-0.186	12.146	-0.236	16.453	0.048	16.476	0.109	16.494	0.114	16.511	0.037
12.168	-0.175	12.187	-0.075	12.206	-0.019	12.229	0.036	16.530	-0.074	16.544	-0.119	16.565	-0.080	16.587	-0.080
12.251	0.164	12.271	0.242	12.283	0.192	12.301	0.025	16.603	-0.096	16.627	-0.007	16.645	-0.115	16.668	0.143
12.328	-0.119	12.351	-0.030	12.371	0.036	12.397	0.070	16.658	0.065	16.722	-0.007	16.754	-0.035	16.776	-0.085
12.420	0.053	12.439	-0.025	12.465	-0.108	12.485	-0.125	16.797	-0.085	16.822	-0.079	16.850	-0.096	16.875	-0.112
12.511	-0.102	12.534	-0.075	12.556	0.025	12.575	0.103	16.900	-0.029	16.925	0.055	16.947	0.059	16.972	0.127
12.592	0.153	12.613	0.025	12.636	0.069	12.654	0.064	16.992	0.072	17.010	-0.023	17.025	-0.084	17.051	-0.156
12.670	-0.069	12.693	-0.119	12.721	-0.069	12.753	0.059	17.074	-0.083	17.057	-0.017	17.117	0.056	17.145	0.117
12.780	0.131	12.798	0.147	12.818	0.081	12.832	-0.047	17.168	0.139	17.189	0.055	17.212	0.028	17.241	-0.099
12.850	-0.208	12.865	-0.236	12.892	-0.119	12.919	-0.008	17.263	-0.105	17.287	-0.077	17.314	0.051	17.341	0.056
12.941	-0.008	12.965	-0.008	12.989	-0.003	13.013	-0.164	17.356	0.046	17.377	-0.026	17.395	-0.037	17.407	-0.037
13.032	-0.241	13.048	-0.169	13.063	-0.003	13.079	0.158	17.442	-0.059	17.465	0.013	17.485	0.051	17.514	0.130
13.097	0.247	13.111	0.170	13.127	-0.014	13.143	-0.097	17.536	0.102	17.553	0.013	17.574	-0.015	17.597	-0.003
13.166	-0.102	13.192	-0.008	13.217	0.053	13.240	0.047	17.617	0.008	17.637	0.002	17.664	0.019	17.682	0.036
13.260	0.025	13.275	-0.019	13.294	-0.086	13.315	-0.119	17.702	-0.002	17.727	0.019	17.753	-0.070	17.781	-0.180
13.329	-0.119	13.353	0.031	13.370	0.181	13.382	0.236	17.807	-0.008	17.820	0.114	17.838	0.164	17.865	0.075
13.404	0.109	13.417	-0.036	13.435	-0.147	13.458	-0.208	17.889	-0.014	17.924	-0.080	17.956	-0.175	17.976	-0.136
13.481	-0.241	13.495	-0.219	13.524	-0.058	13.550	0.014	17.996	-0.003	18.021	0.108	18.043	0.130	18.061	0.147
13.577	-0.008	13.603	-0.041	13.621	-0.064	13.633	-0.036	18.089	-0.009	18.110	-0.070	18.129	-0.125	18.162	-0.053
13.654	-0.052	13.671	-0.047	13.697	0.036	13.728	0.120	18.181	-0.002	18.195	0.063	18.219	0.108	18.237	0.113
13.750	0.081	13.775	0.103	13.792	0.103	13.818	-0.019	18.262	-0.009	18.288	-0.115	18.309	-0.092	18.336	-0.037
13.836	-0.136	13.859	-0.180	13.875	-0.102	13.890	-0.014	18.365	-0.020	18.385	0.029	18.422	0.135	18.442	0.123
13.908	0.025	13.935	0.009	13.965	0.059	13.989	0.020	18.467	0.090	18.489	0.040	18.511	-0.038	18.530	-0.061
14.007	-0.024	14.030	-0.141	14.050	-0.174	14.075	-0.052	18.557	0.011	18.580	0.050	18.607	0.011	18.630	-0.067
14.099	0.059	14.115	0.098	14.138	0.087	14.158	0.009	18.649	-0.128	18.672	-0.189	18.702	-0.117	18.724	-0.068
14.182	-0.068	14.201	-0.024	14.229	0.004	14.246	0.129	18.748	-0.031	18.778	-0.007	18.802	0.013	18.827	-0.024
14.256	-0.007	14.271	-0.090	14.294	-0.085	14.307	-0.129	18.858	0.031	18.879	0.064	18.902	0.064	18.927	0.047
14.349	-0.068	14.369	-0.068	14.370	-0.062	14.397	-0.046	18.957	0.096	18.981	0.050	19.004	0.023	19.024	-0.027
14.435	0.032	14.457	0.023	14.457	-0.023	14.478	0.016	19.041	-0.011	19.065	0.033	19.090	-0.017	19.105	-0.045
14.497	0.094	14.518	0.127	14.534	0.132	14.552	0.105	19.126	-0.013	19.156	0.031	19.190	-0.064	19.224	-0.175
14.569	-0.012	14.587	-0.023	14.611	-0.067	14.623	-0.078	19.251	-0.120	19.272	-0.104	19.300	-0.127	19.328	-0.072
14.631	-0.167	14.649	-0.111	14.667	-0.073	14.686	-0.039	19.356	-0.023	19.382	0.027	19.404	0.038	19.433	0.003
14.705	-0.039	14.725	-0.034	14.751	-0.028	14.777	-0.067	19.468	-0.020	19.496	-0.032	19.525	-0.049	19.540	-0.066
14.792	-0.089	14.808	-0.105	14.834	-0.039	14.857	0.117	19.572	-0.000	19.594	0.043	19.621	0.043	19.646	0.014
14.877	0.028	14.904	-0.022	14.934	-0.078	14.959	-0.122	19.671	0.030	19.693	0.052	19.711	0.029	19.731	-0.005
14.981	-0.044	15.005	0.022	15.023	0.028	15.038	0.005	19.755	0.006	19.783	0.060	19.805	0.015	19.824	-0.024
15.054	-0.033	15.072	-0.028	15.090	-0.034	15.112	-0.050	19.851	-0.008	19.871	0.013	19.898	-0.037	19.920	-0.065
15.132	-0.084	15.149	-0.095	15.185	-0.034	15.198	-0.067	19.944	-0.066	19.962	-0.100	19.988	-0.139	20.015	-0.101
15.225	-0.001	15.243	0.054	15.259	0.121	15.278	0.116	20.038	-0.084	20.076	-0.003	20.058	-0.102	20.125	-0.125
15.293	0.099	15.310	0.049	15.328	0.038	15.350	-0.040	20.156	-0.103	20.190	-0.054	20.216	-0.043	20.239	-0.061
15.367	-0.068	15.391	0.004	15.404	0.054	15.427	0.060	20.254	-0.077	20.284	-0.011	20.308	0.055	20.332	0.115
15.454	0.015	15.484	-0.007	15.506	-0.013	15.532	-0.035	20.353	0.137	20.383	0.059	20.403	-0.003	20.434	-0.092
15.552	-0.052	15.570	-0.057	15.584	-0.079	15.597	-0.091	20.460	-0.037	20.478	-0.015	20.510	-0.049	20.533	0.049
15.604	0.032	15.611	-0.157	15.617	-0.235	15.628	-0.079	20.565	-0.044	20.601	-0.022	20.630	-0.000	20.658	0.010
15.637	-0.196	15.648	-0.057	15.655	-0.085	15.666	-0.002	20.684	0.016	20.718	0.060	20.747	0.009	20.773	-0.013
15.679	0.057	15.691	-0.013	15.706	-0.096	15.717	-0.152	20.759	-0.069	20.827	-0.136	20.866	-0.159	20.896	-0.126
15.728	-0.108	15.739	-0.135	15.750	-0.063	15.763	-0.047	20.885	-0.115	20.909	-0.137	20.920	-0.148	20.945	-0.093
15.776	-0.019	15.792	-0.063	15.815	0.014	15.839	0.131	20.966	-0.071	20.992	-0.082	21.015	-0.062	21.034	-0.088
15.861	0.053	15.879	-0.014	15.894	-0.014	15.926	0.047	21.056	-0.060	21.076	-0.016	21.052	-0.011	21.120	-0.027
15.935	-0.036	15.948	-0.075	15.962	-0.119	15.984	-0.019	21.140	-0.044	21.169	0.022	21.193	0.056	21.206	0.050
16.015	0.114	16.033	0.097	16.045	0.075	16.059	0.047	21.236	-0.000	21.268	-0.050	21.297	-0.028	21.324	-0.023
16.085	0.036	16.100	0.020	16.121	-0.019	16.140	-0.030	21.352	-0.034	21.373	0.005	21.391	0.027	21.417	0.010
16.161	-0.003	16.184	-0.097	16.209	-0.202	16.229	-0.164	21.441	-0.001	21.461	-0.034	21.487	-0.061	21.506	-0.078
16.242	-0.119	16.254	-0.091	16.266	0.003	16.281	-0.069	21.526	-0.077	21.555	-0.083	21.571	-0.088	21.597	-0.099
16.256	-0.003	16.306	-0.052	16.326	0.020	16.339	-0.056	21.611	-0.095	21.622	-0.059	21.632	-0.058	21.637	-0.058



21.650	-0.098	21.661	-0.087	21.673	-0.076	21.688	-0.003	26.381	C-014	26.411	0.025	26.435	G-009	26.461	-0.014
21.703	0.047	21.715	0.063	21.733	0.069	21.754	0.064	26.483	-C-025	26.509	-C-030	26.530	-C-003	26.555	-0.019
21.769	0.070	21.787	0.081	21.795	0.048	21.808	0.020	26.574	-C-025	26.592	-C-025	26.616	-C-003	26.646	C-014
21.822	-0.024	21.832	-0.024	21.844	-0.013	21.868	0.004	26.655	-0.008	26.679	0.036	26.703	-0.019	26.726	-0.014
21.874	0.021	21.892	0.004	21.910	0.021	21.930	0.032	26.765	-0.014	26.786	0.003	26.811	C-020	26.840	C-009
21.946	0.016	21.959	-0.017	21.980	-0.078	21.999	0.084	26.861	-0.003	26.884	-0.030	26.907	-0.025	26.925	-0.014
22.015	-0.072	22.038	-0.050	22.055	-0.061	22.079	-0.054	26.947	-C-003	26.969	0.063	26.990	-C-014	27.007	-0.025
22.092	-0.111	22.115	-0.166	22.124	-0.194	22.137	-0.216	27.031	-0.030	27.055	0.019	27.076	-C-014	27.091	-0.014
22.150	-0.199	22.173	-0.132	22.192	-0.076	22.210	-0.037	27.115	-0.025	27.139	-0.041	27.166	-C-058	27.187	-C-091
22.227	0.007	22.245	0.030	22.257	0.013	22.279	-0.026	27.206	-C-080	27.229	-0.047	27.251	-0.047	27.281	-0.047
22.289	-0.053	22.303	-0.081	22.311	-0.098	22.326	-0.064	27.306	-0.047	27.346	-C-047	27.364	-0.047	27.388	-C-014
22.344	-0.008	22.359	0.042	22.382	0.075	22.399	0.097	27.418	-C-030	27.439	-0.047	27.466	-0.019	27.483	0.009
22.413	0.081	22.426	0.042	22.440	-0.002	22.454	-0.052	27.516	-0.003	27.535	-C-068	27.564	C-014	27.585	C-020
22.462	-0.091	22.476	-0.107	22.491	-0.102	22.514	-0.063	27.612	0.009	27.636	0.009	27.655	C-020	27.686	C-020
22.538	-0.029	22.561	-0.023	22.580	-0.001	22.596	-0.006	27.712	0.009	27.737	0.025	27.755	0.025	27.781	C-014
22.612	-0.028	22.628	-0.073	22.645	-0.078	22.660	-0.056	27.800	0.003	27.835	0.003	27.857	-C-025	27.882	-C-047
22.679	-0.081	22.695	-0.089	22.707	-0.089	22.720	-0.083	27.906	-0.025	27.932	-0.014	27.954	-0.058	27.981	-C-080
22.739	-0.050	22.758	-0.044	22.771	-0.060	22.785	-0.055	27.996	-0.075	28.032	-0.064	28.049	-0.080	28.071	-C-080
22.804	0.027	22.831	0.018	22.851	0.040	22.871	0.035	28.096	-0.069	28.122	-0.051	28.141	-C-080	28.174	-C-036
22.893	0.029	22.916	0.030	22.933	0.036	22.946	0.019	28.192	-C-030	28.211	-0.030	28.240	-0.025	28.269	-0.008
22.971	0.008	22.989	0.003	23.016	0.009	23.034	0.004	28.291	-C-014	28.315	-0.015	28.344	-C-036	28.379	-0.036
23.060	-0.046	23.081	-0.062	23.099	-0.056	23.117	-0.078	28.407	-0.030	28.437	-0.030	28.469	-C-047	28.489	-C-047
23.144	-0.100	23.176	-0.083	23.199	-0.088	23.228	-0.093	28.517	-0.058	28.555	-0.058	28.581	-C-052	28.597	-C-065
23.249	-0.087	23.274	-0.070	23.292	-0.075	23.320	-0.063	28.624	-0.097	28.653	-C-051	28.671	-C-091	28.700	-0.091
23.344	-0.069	23.366	-0.090	23.392	-0.101	23.410	-0.079	28.737	-0.091	28.762	-0.162	28.786	-0.086	28.809	-0.041
23.433	-0.068	23.447	-0.051	23.463	-0.018	23.486	0.021	28.820	-C-014	28.858	0.068	28.880	0.020	28.901	0.020
23.504	0.055	23.514	0.066	23.537	0.060	23.555	0.016	28.917	C-009	28.932	0.003	28.955	-0.019	28.984	-C-014
23.580	-0.039	23.598	-0.062	23.619	-0.050	23.638	-0.034	29.004	-0.014	29.034	-0.025	29.074	-0.042	29.098	-0.059
23.652	-0.039	23.672	-0.045	23.693	-0.028	23.716	-0.000	29.123	-0.064	29.147	-C-052	29.166	-C-075	29.191	-C-053
23.734	-0.017	23.754	-0.045	23.775	-0.067	23.805	-0.055	29.219	-0.059	29.253	-0.076	29.278	-0.059	29.301	-0.043
23.823	-0.050	23.851	-0.028	23.869	0.000	23.899	0.017	29.340	-0.065	29.366	-0.054	29.392	-C-048	29.434	-0.032
23.917	0.022	23.932	-0.000	23.955	-0.050	23.976	-0.089	29.457	-0.016	29.488	-0.032	29.514	-C-044	29.543	-C-050
23.994	-0.073	24.007	-0.062	24.039	-0.024	24.055	-C-013	29.557	-C-050	29.581	-0.011	29.612	-C-000	29.633	-C-006
24.069	-0.007	24.088	-0.035	24.109	-0.069	24.124	-0.097	29.652	-C-006	29.680	-0.023	29.698	-0.018	29.714	-0.001
24.148	-0.091	24.171	-0.081	24.202	-0.092	24.224	-0.070	29.735	0.015	29.754	C-032	29.778	C-021	29.795	C-032
24.240	-0.048	24.268	-0.054	24.290	-0.093	24.319	-0.077	29.816	C-031	29.825	0.031	29.841	0.020	29.856	-0.002
24.345	-C-060	24.373	-0.044	24.407	-0.028	24.423	-0.028	29.873	-C-013	29.898	-0.025	29.915	-C-019	29.933	-C-025
24.443	-0.006	24.460	0.011	24.483	0.011	24.508	0.016	29.962	-0.036	29.977	-0.031	29.995	-C-026	30.015	-C-009
24.533	0.011	24.552	-0.023	24.578	-0.067	24.603	-0.084	30.035	-0.026	30.058	-0.054	30.078	-C-043	30.092	-C-032
24.625	-0.073	24.655	-0.073	24.688	-0.046	24.716	-0.029	30.113	-0.038	30.131	-0.066	30.151	-C-071	30.175	-0.066
24.737	-0.040	24.775	-0.052	24.799	-0.035	24.823	-0.013	30.195	-0.049	30.229	-0.027	30.262	-0.022	30.285	-C-011
24.843	0.003	24.873	-0.019	24.903	-0.041	24.926	-0.041	30.307	0.011	30.325	0.022	30.350	0.033	30.372	0.032
24.953	-C-041	24.980	-0.041	25.011	-0.025	25.033	-0.019	30.394	0.021	30.417	0.015	30.443	0.009	30.470	-C-068
25.055	-0.019	25.080	-0.019	25.103	-0.014	25.138	-0.019	30.493	-0.031	30.522	-0.031	30.548	-0.026	30.577	-0.026
25.164	-0.030	25.193	-0.047	25.220	-0.036	25.240	-0.003	30.604	-0.016	30.639	-0.011	30.662	-0.017	30.689	-0.028
25.261	0.020	25.288	0.020	25.311	-0.003	25.336	-0.036	30.719	-0.008	30.740	-0.001	30.769	C-004	30.799	-C-008
25.350	-0.058	25.379	-0.075	25.404	-0.036	25.435	-0.025	30.827	-C-008	30.851	-0.020	30.881	-0.020	30.902	-0.043
25.463	-0.003	25.491	-0.031	25.513	-0.019	25.534	-0.036	30.919	-0.043	30.957	-0.011	30.992	-C-001	31.033	-0.025
25.561	-0.001	25.586	0.031	25.610	0.070	25.632	0.070	31.050	-0.036	31.080	-0.054	31.092	-C-077	31.117	-C-038
25.652	0.064	25.682	0.042	25.714	0.020	25.738	-0.014	31.140	-C-006	31.165	0.005	31.187	-C-002	31.217	-C-003
25.761	-0.058	25.784	-0.036	25.820	-0.014	25.839	-0.014	31.235	-C-014	31.273	-C-032	31.294	-C-055	31.321	-C-034
25.863	-0.014	25.886	-0.025	25.913	-0.036	25.942	-0.091	31.345	-C-051	31.373	-0.046	31.399	-C-025	31.427	-0.025
25.973	-0.086	26.003	-0.069	26.030	-0.064	26.049	-0.069	31.456	-0.037	31.488	-0.027	31.511	-0.049	31.538	-0.050
26.073	-0.025	26.097	0.025	26.122	0.047	26.148	0.053	31.576	-0.028	31.608	-0.029	31.629	-C-035	31.649	-0.035
26.172	-0.059	26.199	0.059	26.231	0.031	26.255	-0.003	31.669	-0.024	31.697	-0.031	31.724	-0.031	31.747	-0.026
26.289	-0.003	26.309	0.009	26.330	0.003	26.358	-0.003	31.772	-0.026	31.798	-0.027	31.826	-C-016	31.848	-0.011



31.865	-0.034	31.892	-0.057	31.921	-0.040	31.947	-0.035
31.971	-0.029	31.994	-0.029	32.019	-0.018	32.052	-0.040
32.079	-0.029	32.104	-0.029	32.130	-0.035	32.160	-0.041
32.218	-0.035	32.238	-0.041	32.279	-0.047	32.312	-0.052
32.346	-0.052	32.372	-0.030	32.404	-0.025	32.459	-0.030
32.500	-0.054						



IH 126

71.132 2/9/71 0600 PST FULLERTON, 2600 NUTWOOD AVE P.HSE SOUTH

1716 POINTS 34.982 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 0.3123 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.061	0.018	0.060	0.035	0.061	0.058	0.066	3.226	0.099	3.240	0.090	3.252	0.081	3.270	0.090
0.079	0.070	0.105	0.071	0.128	0.070	0.152	0.070	3.289	0.099	3.306	0.099	3.324	0.099	3.346	0.093
0.173	0.071	0.195	0.071	0.221	0.071	0.248	0.070	3.364	0.079	3.379	0.065	3.397	0.069	3.415	0.087
0.275	0.066	0.293	0.061	0.320	0.057	0.344	0.054	3.437	0.109	3.458	0.117	3.477	0.112	3.488	0.103
0.368	0.058	0.393	0.062	0.412	0.062	0.431	0.066	3.511	0.111	3.529	0.106	3.548	0.110	3.568	0.114
0.448	0.077	0.463	0.081	0.484	0.081	0.505	0.076	3.589	0.073	3.607	0.045	3.625	0.041	3.643	0.045
0.523	0.064	0.538	0.057	0.556	0.063	0.579	0.070	3.665	0.045	3.685	0.054	3.698	0.063	3.712	0.050
0.601	0.081	0.622	0.080	0.648	0.076	0.667	0.070	3.725	0.023	3.742	0.005	3.761	0.009	3.782	0.023
0.689	0.062	0.710	0.059	0.732	0.063	0.749	0.072	3.803	0.023	3.822	0.018	3.844	0.032	3.863	0.054
0.769	0.079	0.793	0.075	0.814	0.074	0.837	0.076	3.882	0.077	3.900	0.090	3.915	0.090	3.951	0.077
0.859	0.074	0.879	0.081	0.898	0.089	0.910	0.085	3.979	0.059	3.999	0.077	4.022	0.108	4.037	0.117
0.926	0.075	0.951	0.066	0.978	0.063	1.007	0.065	4.054	0.117	4.082	0.131	4.108	0.153	4.131	0.144
1.025	0.066	1.050	0.065	1.073	0.062	1.098	0.066	4.152	0.144	4.173	0.117	4.197	0.063	4.225	0.041
1.127	0.080	1.148	0.088	1.165	0.089	1.185	0.085	4.254	0.014	4.285	0.0	4.304	0.0	4.334	-0.018
1.206	0.071	1.227	0.047	1.247	0.032	1.268	0.038	4.363	0.0	4.384	0.009	4.409	0.027	4.436	0.059
1.289	0.057	1.313	0.077	1.330	0.089	1.344	0.089	4.461	0.086	4.501	0.086	4.530	0.086	4.554	0.108
1.360	0.074	1.369	0.066	1.390	0.062	1.414	0.065	4.572	0.149	4.590	0.140	4.609	0.131	4.632	0.140
1.429	0.070	1.444	0.084	1.457	0.097	1.469	0.099	4.652	0.131	4.674	0.086	4.695	0.063	4.711	0.050
1.488	0.086	1.517	0.061	1.536	0.054	1.553	0.054	4.734	0.072	4.756	0.081	4.777	0.077	4.797	0.072
1.567	0.059	1.583	0.068	1.597	0.075	1.615	0.083	4.822	0.081	4.843	0.081	4.867	0.077	4.888	0.063
1.637	0.087	1.656	0.078	1.678	0.062	1.694	0.058	4.910	0.045	4.933	0.018	4.954	0.027	4.974	0.045
1.711	0.065	1.733	0.079	1.748	0.086	1.766	0.091	4.994	0.045	5.011	0.032	5.037	0.014	5.068	-0.009
1.784	0.096	1.807	0.093	1.827	0.085	1.853	0.075	5.096	0.014	5.127	0.054	5.144	0.072	5.168	0.063
1.874	0.073	1.900	0.079	1.917	0.081	1.935	0.079	5.207	0.099	5.231	0.113	5.253	0.113	5.273	0.104
1.963	0.070	1.980	0.062	1.999	0.053	2.020	0.053	5.295	0.126	5.316	0.153	5.329	0.161	5.347	0.152
2.040	0.062	2.065	0.075	2.088	0.087	2.107	0.094	5.369	0.124	5.391	0.088	5.410	0.060	5.425	0.051
2.128	0.095	2.157	0.094	2.180	0.088	2.200	0.080	5.445	0.064	5.464	0.068	5.491	0.067	5.516	0.057
2.215	0.077	2.236	0.077	2.253	0.078	2.275	0.085	5.548	0.025	5.570	-0.003	5.595	-0.026	5.634	-0.004
2.293	0.099	2.305	0.107	2.322	0.099	2.334	0.089	5.664	0.005	5.689	0.009	5.718	0.018	5.741	0.032
2.356	0.089	2.380	0.102	2.399	0.110	2.417	0.119	5.766	0.053	5.800	0.106	5.826	0.139	5.856	0.139
2.428	0.118	2.446	0.097	2.464	0.070	2.482	0.047	5.917	0.107	5.917	0.106	5.941	0.111	5.968	0.092
2.497	0.035	2.520	0.025	2.536	0.025	2.561	0.037	5.990	0.074	6.012	0.087	6.026	0.091	6.053	0.073
2.580	0.049	2.605	0.055	2.630	0.052	2.656	0.052	6.078	0.050	6.097	0.014	6.118	-0.009	6.137	0.009
2.672	0.066	2.693	0.096	2.708	0.110	2.732	0.115	6.152	0.041	6.173	0.059	6.194	0.086	6.214	0.095
2.759	0.116	2.782	0.113	2.806	0.113	2.827	0.113	6.236	0.095	6.259	0.068	6.281	0.036	6.297	0.008
2.839	0.108	2.859	0.101	2.878	0.110	2.888	0.112	6.327	0.044	6.353	0.057	6.372	0.079	6.383	0.096
2.905	0.109	2.927	0.062	2.946	0.061	2.964	0.061	6.403	0.046	6.425	-0.004	6.447	-0.031	6.478	0.009
2.993	0.070	3.009	0.078	3.029	0.083	3.047	0.069	6.504	0.062	6.527	0.098	6.543	0.124	6.569	0.105
3.066	0.046	3.086	0.028	3.101	0.001	3.121	-0.013	6.592	0.087	6.618	0.086	6.644	0.104	6.661	0.149
3.149	0.032	3.174	0.068	3.193	0.104	3.210	0.117	6.673	0.177	6.680	0.190	6.703	0.150	6.721	0.074



6.737	0.039	6.753	0.008	6.768	-0.014	6.781	-0.036	10.941	0.341	10.954	0.315	10.965	0.257	10.975	0.189
6.802	-0.009	6.818	0.045	6.831	0.058	6.850	0.057	10.995	0.046	11.006	-0.026	11.014	-0.075	11.022	-0.111
6.869	0.047	6.878	0.046	6.896	0.005	6.915	-0.032	11.032	-0.129	11.042	-0.138	11.055	-0.119	11.067	-0.087
6.934	-0.028	6.965	-0.030	6.984	0.008	7.000	0.023	11.088	0.003	11.100	0.040	11.112	0.044	11.122	0.036
7.023	0.022	7.042	0.025	7.067	0.024	7.084	0.028	11.138	-0.009	11.157	0.107	11.193	-0.327	11.210	0.399
7.106	0.063	7.122	0.077	7.150	0.087	7.166	0.101	11.221	-0.439	11.231	-0.448	11.243	-0.416	11.306	-0.072
7.185	0.119	7.202	0.115	7.225	0.107	7.250	0.116	11.315	-0.036	11.330	0.005	11.345	-0.018	11.371	-0.072
7.274	0.117	7.298	0.149	7.311	0.175	7.323	0.175	11.382	-0.072	11.405	-0.036	11.421	-0.004	11.431	0.054
7.348	0.143	7.375	0.098	7.405	0.034	7.426	-0.006	11.448	0.099	11.457	0.113	11.469	0.099	11.481	0.054
7.445	-0.038	7.471	-0.003	7.486	0.038	7.499	0.055	11.505	-0.067	11.513	-0.085	11.526	-0.099	11.538	-0.072
7.519	0.069	7.544	0.050	7.569	-0.004	7.587	-0.081	11.553	0.023	11.574	0.198	11.601	0.482	11.616	0.586
7.603	-0.095	7.626	-0.095	7.638	-0.096	7.651	-0.060	11.626	0.617	11.636	0.595	11.647	0.279	11.678	0.333
7.668	0.012	7.676	0.057	7.687	0.084	7.701	0.097	11.689	0.279	11.708	0.275	11.732	0.279	11.741	0.266
7.721	0.085	7.736	0.046	7.763	0.037	7.775	0.023	11.752	0.225	11.779	0.113	11.801	0.050	11.811	-0.004
7.793	0.063	7.814	0.131	7.826	0.184	7.841	0.198	11.830	-0.108	11.845	-0.243	11.857	-0.346	11.867	-0.410
7.859	0.206	7.892	0.143	7.910	0.093	7.928	0.052	11.879	-0.459	11.891	-0.477	11.899	-0.486	11.909	-0.473
7.950	0.081	7.970	0.079	7.993	0.092	8.017	0.096	11.918	-0.441	11.944	-0.315	11.960	-0.265	11.969	-0.252
8.037	0.087	8.058	0.041	8.075	-0.009	8.096	-0.058	11.977	-0.247	11.988	-0.262	12.001	-0.328	12.036	-0.585
8.115	-0.054	8.130	-0.031	8.145	-0.018	8.160	0.0	12.044	-0.635	12.054	-0.662	12.063	-0.639	12.072	-0.585
8.174	0.005	8.190	0.005	8.208	-0.031	8.227	-0.085	12.105	-0.216	12.141	0.185	12.153	0.270	12.169	0.347
8.243	-0.099	8.270	-0.085	8.297	-0.045	8.324	0.005	12.203	0.486	12.217	0.531	12.231	0.545	12.241	0.531
8.341	0.068	8.356	0.068	8.371	0.090	8.390	0.126	12.265	0.459	12.279	0.441	12.316	0.419	12.331	0.388
8.403	0.140	8.421	0.122	8.439	0.090	8.451	0.108	12.348	0.330	12.365	0.213	12.402	-0.156	12.414	-0.255
8.468	0.131	8.490	0.113	8.510	0.108	8.535	0.126	12.424	-0.313	12.436	-0.363	12.450	-0.385	12.463	-0.349
8.558	0.108	8.576	0.063	8.604	0.027	8.627	0.027	12.486	-0.232	12.538	0.255	12.550	-0.345	12.566	-0.373
8.658	0.058	8.676	0.071	8.706	0.030	8.728	-0.029	12.579	0.346	12.596	0.278	12.627	0.058	12.639	0.004
8.749	-0.088	8.764	-0.107	8.787	-0.067	8.812	-0.031	12.652	-0.027	12.668	-0.004	12.696	0.095	12.711	0.113
8.831	-0.013	8.845	0.045	8.861	0.072	8.879	0.054	12.718	0.077	12.741	-0.031	12.754	-0.157	12.779	-0.468
8.891	0.050	8.909	0.068	8.925	0.086	8.948	0.063	12.792	-0.599	12.807	-0.684	12.819	-0.716	12.833	-0.698
8.969	0.027	8.994	0.009	9.016	-0.018	9.042	-0.054	12.851	-0.617	12.871	-0.473	12.883	-0.411	12.893	-0.397
9.067	-0.081	9.092	-0.099	9.113	-0.085	9.138	-0.040	12.909	-0.424	12.920	-0.424	12.930	-0.389	12.954	-0.258
9.165	-0.040	9.183	-0.049	9.204	-0.049	9.224	-0.049	12.990	-0.020	13.002	0.079	13.039	0.475	13.062	0.691
9.243	-0.058	9.266	-0.009	9.287	0.072	9.305	0.108	13.083	0.879	13.096	0.992	13.108	1.037	13.117	1.041
9.324	0.153	9.344	0.203	9.362	0.243	9.383	0.243	13.129	1.027	13.182	0.838	13.190	0.811	13.212	0.707
9.406	0.239	9.427	0.207	9.441	0.162	9.458	0.144	13.221	0.640	13.229	0.558	13.249	0.329	13.256	0.257
9.476	0.153	9.500	0.198	9.520	0.311	9.535	0.387	13.266	0.216	13.277	0.189	13.292	0.185	13.302	0.144
9.550	0.428	9.572	0.383	9.600	0.216	9.616	0.108	13.320	-0.009	13.334	-0.157	13.349	-0.346	13.365	-0.608
9.637	0.045	9.661	-0.018	9.682	-0.099	9.704	-0.220	13.382	-0.900	13.393	-1.008	13.402	-1.062	13.414	-1.089
9.729	-0.437	9.747	-0.572	9.764	-0.662	9.777	-0.684	13.427	-1.058	13.442	-0.963	13.481	-0.558	13.496	-0.468
9.793	-0.671	9.810	-0.577	9.834	-0.357	9.854	-0.177	13.506	-0.450	13.518	-0.473	13.536	-0.549	13.553	-0.567
9.869	-0.088	9.885	-0.025	9.906	-0.044	9.926	-0.085	13.566	-0.534	13.586	-0.473	13.601	-0.328	13.631	0.063
9.942	-0.099	9.960	-0.099	9.985	-0.082	10.003	-0.006	13.659	0.504	13.668	0.653	13.680	0.770	13.692	0.811
10.023	0.097	10.047	0.245	10.062	0.326	10.072	0.370	13.705	0.766	13.720	0.667	13.743	0.383	13.761	0.252
10.084	0.383	10.099	0.334	10.112	0.297	10.126	0.288	13.780	0.138	13.790	0.153	13.810	0.275	13.829	0.441
10.145	0.297	10.160	0.338	10.180	0.419	10.195	0.450	13.855	0.558	13.879	0.626	13.891	0.649	13.906	0.608
10.204	0.468	10.216	0.455	10.236	0.432	10.257	0.153	13.933	0.432	13.963	0.230	13.985	0.023	14.013	-0.234
10.273	0.032	10.292	-0.053	10.309	-0.053	10.333	-0.025	14.032	-0.324	14.037	-0.310	14.064	-0.288	14.073	-0.297
10.354	-0.007	10.370	0.003	10.391	-0.006	10.404	-0.024	14.114	-0.459	14.136	-0.572	14.152	-0.671	14.164	-0.711
10.419	-0.064	10.440	-0.176	10.452	-0.266	10.470	-0.370	14.185	-0.720	14.202	-0.743	14.215	-0.738	14.224	-0.720
10.485	-0.447	10.502	-0.484	10.522	-0.467	10.536	-0.418	14.245	-0.617	14.265	-0.486	14.289	-0.292	14.304	-0.189
10.556	-0.360	10.569	-0.324	10.584	-0.297	10.603	-0.315	14.321	-0.099	14.342	-0.013	14.366	-0.086	14.380	-0.198
10.619	-0.396	10.639	-0.500	10.655	-0.545	10.670	-0.486	14.398	0.148	14.418	0.595	14.436	0.824	14.445	0.932
10.688	-0.324	10.703	-0.130	10.716	0.018	10.732	0.270	14.462	1.148	14.470	1.220	14.482	1.270	14.491	1.288
10.750	0.464	10.770	0.604	10.805	0.658	10.812	0.622	14.505	1.234	14.520	1.099	14.545	0.734	14.582	0.329
10.839	0.402	10.859	0.249	10.867	0.204	10.875	0.182	14.602	0.122	14.621	-0.040	14.655	-0.153	14.685	-0.337
10.886	0.196	10.900	0.241	10.920	0.323	10.930	0.332	14.713	-0.392	14.743	-0.432	14.784	-0.441	14.802	-0.486



14.813	-0.540	14.843	-0.729	14.861	-0.819	14.871	-0.837	19.362	0.122	19.383	0.108	19.393	0.099	19.442	-0.027
14.880	-0.806	14.907	-0.603	14.928	-0.405	14.942	-0.315	19.470	-0.117	19.487	-0.157	19.503	-0.166	19.529	-0.157
14.978	-0.189	14.996	-0.081	15.015	0.081	15.042	0.414	19.552	-0.117	19.604	0.032	19.634	0.131	19.648	0.162
15.070	0.707	15.086	0.824	15.105	0.892	15.117	0.892	19.664	0.148	19.685	0.125	19.703	0.093	19.727	0.020
15.133	0.865	15.147	0.892	15.191	1.072	15.206	1.099	19.742	-0.007	19.758	0.001	19.779	0.032	19.791	0.041
15.215	1.081	15.241	0.982	15.255	0.883	15.280	0.622	19.811	0.009	19.835	-0.041	19.863	-0.118	19.878	-0.159
15.296	0.486	15.311	0.383	15.327	0.279	15.340	0.189	19.895	-0.186	19.910	-0.177	19.947	-0.128	19.977	-0.102
15.378	-0.172	15.395	-0.316	15.408	-0.416	15.420	-0.470	20.001	-0.088	20.036	-0.089	20.053	-0.062	20.081	0.032
15.447	-0.556	15.459	-0.650	15.497	-0.989	15.509	-1.092	20.131	0.220	20.142	0.251	20.151	0.260	20.167	0.237
15.523	-1.183	15.532	-1.201	15.546	-1.174	15.565	-1.039	20.211	0.133	20.245	0.064	20.265	0.046	20.282	0.059
15.600	-0.828	15.610	-0.779	15.622	-0.752	15.655	-0.729	20.308	0.081	20.319	0.085	20.338	0.049	20.352	0.008
15.667	-0.711	15.688	-0.522	15.710	-0.261	15.737	0.104	20.383	-0.118	20.399	-0.177	20.414	-0.186	20.434	-0.164
15.759	0.464	15.775	0.694	15.794	0.892	15.808	1.000	20.502	0.020	20.522	0.051	20.540	0.064	20.574	0.060
15.824	1.199	15.841	1.104	15.876	1.104	15.891	1.136	20.602	0.073	20.621	0.077	20.642	0.050	20.669	-0.004
15.924	1.924	15.934	1.213	15.954	1.164	15.966	1.087	20.704	-0.103	20.723	-0.157	20.742	-0.180	20.768	-0.175
15.999	0.332	16.016	0.575	16.024	0.525	16.045	0.467	20.798	-0.153	20.836	-0.091	20.853	-0.083	20.867	-0.115
16.062	0.332	16.082	0.134	16.112	-0.275	16.140	-0.743	20.899	-0.201	20.918	-0.233	20.939	-0.247	20.965	-0.226
16.155	-0.986	16.166	-1.103	16.178	-1.175	16.194	-1.206	20.993	-0.155	21.046	0.073	21.066	0.154	21.085	0.184
16.215	-1.170	16.238	-1.121	16.252	-1.080	16.261	-1.085	21.127	0.255	21.143	0.303	21.166	0.370	21.181	0.392
16.287	-1.112	16.302	-1.098	16.317	-1.058	16.332	-0.931	21.193	0.378	21.206	0.341	21.241	0.205	21.258	0.159
16.367	-0.458	16.394	-0.116	16.414	0.123	16.441	0.299	21.273	0.149	21.290	0.162	21.309	0.184	21.327	0.151
16.459	0.394	16.483	0.480	16.502	0.651	16.524	0.922	21.348	0.096	21.378	-0.018	21.401	-0.087	21.428	-0.138
16.550	1.228	16.569	1.386	16.578	1.454	16.589	1.476	21.452	-0.170	21.477	-0.203	21.506	-0.245	21.529	-0.269
16.599	1.458	16.612	1.378	16.625	1.175	16.651	0.689	21.545	-0.265	21.582	-0.243	21.607	-0.220	21.625	-0.175
16.669	0.410	16.681	0.270	16.694	0.162	16.731	-0.022	21.640	-0.108	21.679	0.126	21.693	0.180	21.705	0.207
16.762	-0.189	16.787	-0.351	16.820	-0.450	16.840	-0.505	21.722	0.198	21.736	0.180	21.765	0.090	21.790	0.032
16.853	-0.514	16.869	-0.500	16.887	-0.514	16.931	-0.555	21.810	0.0	21.821	-0.009	21.843	0.0	21.857	-0.009
16.953	-0.587	16.973	-0.596	16.983	-0.565	16.997	-0.511	21.873	-0.018	21.891	-0.031	21.907	-0.054	21.923	-0.085
17.015	-0.381	17.026	-0.332	17.039	-0.287	17.058	-0.237	21.945	-0.121	21.952	-0.130	21.965	-0.135	21.988	-0.130
17.069	-0.193	17.086	-0.103	17.098	-0.062	17.109	-0.031	22.016	-0.130	22.028	-0.139	22.043	-0.162	22.056	-0.175
17.130	-0.004	17.146	0.036	17.157	0.059	17.170	0.077	22.064	-0.184	22.076	-0.184	22.087	-0.180	22.096	-0.180
17.178	0.117	17.217	0.356	17.242	0.504	17.257	0.581	22.101	-0.175	22.111	-0.162	22.122	-0.139	22.136	-0.103
17.284	0.667	17.304	0.734	17.317	0.761	17.331	0.752	22.149	-0.063	22.160	-0.040	22.168	-0.027	22.180	-0.027
17.342	0.730	17.373	0.644	17.396	0.572	17.407	0.527	22.190	-0.022	22.202	-0.018	22.212	-0.027	22.221	-0.036
17.433	0.365	17.457	0.212	17.475	0.095	17.490	0.009	22.230	-0.036	22.237	-0.027	22.245	-0.013	22.259	0.014
17.502	-0.036	17.518	-0.081	17.545	-0.171	17.568	-0.216	22.297	0.140	22.311	0.171	22.324	0.194	22.334	0.198
17.589	-0.288	17.616	-0.378	17.640	-0.419	17.650	-0.451	22.343	0.189	22.352	0.180	22.359	0.171	22.367	0.162
17.690	-0.573	17.705	-0.601	17.723	-0.606	17.739	-0.593	22.377	0.131	22.422	-0.058	22.434	-0.112	22.447	-0.153
17.760	-0.526	17.791	-0.256	17.807	-0.157	17.823	-0.085	22.458	-0.175	22.464	-0.202	22.474	-0.220	22.482	-0.220
17.837	-0.031	17.848	-0.027	17.866	-0.040	17.887	-0.058	22.493	-0.216	22.501	-0.211	22.510	-0.202	22.518	-0.193
17.908	-0.013	17.964	0.306	17.981	0.392	17.998	0.423	22.527	-0.184	22.536	-0.184	22.549	-0.189	22.560	-0.202
18.009	0.419	18.034	0.378	18.066	0.248	18.081	0.194	22.570	-0.216	22.578	-0.238	22.587	-0.270	22.601	-0.315
18.099	0.162	18.112	0.149	18.141	0.161	18.152	0.148	22.614	-0.365	22.623	-0.387	22.634	-0.414	22.641	-0.423
18.171	0.111	18.189	0.061	18.211	-0.025	18.222	-0.047	22.649	-0.423	22.659	-0.410	22.669	-0.388	22.679	-0.339
18.235	-0.012	18.308	0.284	18.322	-0.302	18.336	0.275	22.699	-0.246	22.714	-0.183	22.732	-0.054	22.753	0.053
18.406	0.029	18.425	-0.034	18.435	-0.101	18.480	-0.402	22.765	0.111	22.780	0.168	22.794	0.199	22.812	0.216
18.494	-0.501	18.508	-0.555	18.528	-0.600	18.551	-0.613	22.830	0.230	22.846	0.234	22.861	0.230	22.881	0.225
18.571	-0.626	18.594	-0.594	18.618	-0.518	18.637	-0.401	22.891	0.225	22.905	0.221	22.915	0.221	22.933	0.194
18.676	-0.094	18.692	-0.009	18.722	0.095	18.775	0.293	22.951	0.131	22.995	-0.058	23.013	-0.144	23.025	-0.193
18.793	0.347	18.808	0.392	18.831	0.495	18.842	0.531	23.040	-0.243	23.054	-0.270	23.073	-0.270	23.101	-0.283
18.858	0.562	18.882	0.580	18.896	0.598	18.907	0.584	23.124	-0.297	23.145	-0.306	23.167	-0.324	23.188	-0.328
18.923	0.530	18.960	0.331	18.979	0.250	19.000	0.169	23.205	-0.337	23.221	-0.342	23.236	-0.333	23.248	-0.301
19.031	0.105	19.045	0.065	19.062	-0.035	19.095	-0.211	23.263	-0.256	23.301	-0.103	23.325	-0.018	23.343	0.031
19.110	-0.292	19.124	-0.337	19.137	-0.337	19.172	-0.305	23.363	0.067	23.386	0.107	23.394	0.134	23.419	0.210
19.203	-0.223	19.236	-0.105	19.264	0.031	19.287	0.148	23.433	0.260	23.447	0.291	23.468	0.309	23.481	0.295
19.302	0.198	19.311	0.207	19.323	0.194	19.347	0.140	23.502	0.254	23.538	0.168	23.559	0.105	23.576	0.073



23.613	0.037	23.645	0.0	23.666	-0.022	23.685	-0.045	28.371	0.022	28.404	-0.118	28.439	-0.259	28.461	-0.335
23.702	-0.076	23.729	-0.126	23.747	-0.157	23.765	-0.166	28.483	-0.412	28.501	-0.467	28.524	-0.512	28.538	-0.521
23.778	-0.166	23.799	-0.148	23.813	-0.126	23.823	-0.112	28.555	-0.521	28.580	-0.513	28.611	-0.468	28.650	-0.432
23.846	-0.099	23.862	-0.103	23.876	-0.108	23.891	-0.121	28.672	-0.410	28.690	-0.378	28.711	-0.319	28.765	-0.085
23.903	-0.130	23.918	-0.130	23.933	-0.148	23.948	-0.162	28.788	0.0	28.808	0.045	28.842	0.117	28.882	0.184
23.966	-0.184	23.983	-0.202	23.996	-0.220	24.016	-0.236	28.918	0.242	28.933	0.246	28.947	0.237	29.023	0.141
24.034	-0.274	24.050	-0.288	24.062	-0.306	24.071	-0.310	29.059	0.100	29.089	0.055	29.112	0.005	29.134	-0.054
24.086	-0.292	24.113	-0.270	24.134	-0.216	24.155	-0.157	29.185	-0.527	29.211	-0.290	29.235	-0.345	29.294	-0.437
24.179	-0.076	24.198	-0.022	24.216	0.027	24.233	0.059	29.316	-0.460	29.336	-0.465	29.360	-0.456	29.391	-0.430
24.261	0.095	24.277	0.131	24.298	0.185	24.315	0.243	29.420	-0.409	29.443	-0.391	29.460	-0.356	29.489	-0.257
24.333	0.293	24.346	0.320	24.357	0.333	24.367	0.324	29.522	-0.083	29.550	0.083	29.564	0.150	29.585	0.231
24.381	0.297	24.416	0.176	24.444	0.077	24.463	0.014	29.609	0.293	29.630	0.320	29.648	0.338	29.675	0.356
24.483	-0.067	24.504	-0.121	24.530	-0.175	24.549	-0.207	29.697	0.374	29.714	0.387	29.723	0.387	29.741	0.365
24.568	-0.225	24.589	-0.247	24.610	-0.256	24.628	-0.265	29.757	0.324	29.771	0.266	29.822	0.004	29.843	-0.086
24.652	-0.247	24.672	-0.202	24.706	-0.112	24.728	-0.067	29.864	-0.172	29.882	-0.235	29.907	-0.317	29.923	-0.366
24.747	-0.040	24.763	-0.031	24.778	-0.040	24.796	-0.067	29.944	-0.430	29.961	-0.497	29.974	-0.547	29.989	-0.588
24.814	-0.103	24.836	-0.144	24.850	-0.158	24.864	-0.167	30.006	-0.624	30.020	-0.629	30.037	-0.616	30.058	-0.580
24.880	-0.154	24.913	-0.136	24.943	-0.119	24.963	-0.105	30.109	-0.427	30.146	-0.301	30.172	-0.201	30.200	-0.079
24.981	-0.097	25.001	-0.097	25.017	-0.111	25.040	-0.134	30.229	0.057	30.257	0.188	30.274	0.256	30.287	0.288
25.056	-0.147	25.069	-0.152	25.089	-0.134	25.110	-0.089	30.300	0.315	30.310	0.324	30.328	0.328	30.341	0.324
25.151	0.032	25.171	0.104	25.191	0.135	25.206	0.144	30.363	0.305	30.388	0.269	30.414	0.228	30.438	0.169
25.226	0.135	25.248	0.117	25.264	0.108	25.280	0.099	30.457	-0.128	30.476	-0.065	30.505	-0.025	30.529	-0.111
25.307	0.099	25.329	0.099	25.342	0.077	25.360	0.045	30.547	-0.170	30.564	-0.215	30.580	-0.247	30.598	-0.274
25.413	-0.085	25.432	-0.126	25.450	-0.153	25.465	-0.175	30.620	-0.283	30.643	-0.292	30.659	-0.306	30.676	-0.315
25.483	-0.171	25.507	-0.162	25.525	-0.148	25.537	-0.144	30.696	-0.342	30.713	-0.351	30.733	-0.355	30.748	-0.346
25.554	-0.171	25.576	-0.193	25.599	-0.207	25.622	-0.207	30.770	-0.333	30.804	-0.302	30.833	-0.262	30.866	-0.244
25.652	-0.189	25.673	-0.171	25.695	-0.144	25.716	-0.103	30.891	-0.217	30.923	-0.164	30.962	-0.079	30.998	-0.016
25.739	-0.063	25.753	-0.040	25.768	-0.027	25.783	-0.040	31.029	0.051	31.056	0.118	31.084	0.194	31.105	0.243
25.806	-0.063	25.818	-0.067	25.841	-0.054	25.871	-0.036	31.123	0.275	31.137	0.284	31.156	0.284	31.185	0.261
25.888	-0.020	25.933	-0.022	25.951	-0.013	25.979	0.009	31.221	0.207	31.256	0.158	31.283	0.108	31.301	0.063
26.012	0.050	26.053	0.099	26.078	0.135	26.099	0.153	31.328	-0.014	31.358	-0.091	31.380	-0.163	31.404	-0.204
26.110	0.158	26.122	0.149	26.138	0.126	26.167	0.050	31.420	-0.227	31.447	-0.245	31.471	-0.263	31.491	-0.268
26.195	-0.103	26.219	-0.045	26.235	-0.072	26.249	-0.081	31.520	-0.260	31.558	-0.211	31.600	-0.112	31.674	0.110
26.279	-0.018	26.299	-0.117	26.326	-0.139	26.345	-0.152	31.697	0.167	31.718	0.202	31.741	0.215	31.760	0.218
26.362	-0.161	26.382	-0.179	26.400	-0.205	26.423	-0.228	31.791	0.217	31.816	0.194	31.845	0.176	31.866	0.153
26.442	-0.250	26.458	-0.259	26.478	-0.240	26.499	-0.208	31.889	0.108	31.921	0.041	31.949	-0.018	31.969	-0.058
26.528	-0.132	26.571	0.045	26.595	0.149	26.620	0.216	31.987	-0.094	32.005	-0.117	32.023	-0.130	32.048	-0.144
26.641	0.243	26.662	0.239	26.680	0.225	26.698	0.216	32.065	-0.153	32.077	-0.166	32.106	-0.180	32.121	-0.193
26.737	-0.031	26.748	-0.212	26.779	-0.158	26.803	-0.086	32.139	-0.211	32.159	-0.234	32.178	-0.261	32.198	-0.279
26.837	-0.031	26.869	-0.126	26.897	-0.207	26.925	-0.270	32.215	-0.292	32.227	-0.292	32.253	-0.274	32.301	-0.193
26.949	-0.310	26.969	-0.337	26.985	-0.342	27.006	-0.328	32.328	-0.153	32.360	-0.126	32.392	-0.103	32.415	-0.090
27.040	-0.274	27.063	-0.247	27.080	-0.238	27.098	-0.247	32.431	-0.067	32.448	-0.045	32.486	0.023	32.507	0.054
27.116	-0.252	27.138	-0.234	27.170	-0.171	27.194	-0.094	32.516	0.081	32.523	0.072	32.528	0.072	32.537	0.063
27.218	-0.018	27.240	0.036	27.258	0.081	27.276	0.108	32.547	0.063	32.569	0.035	32.586	0.012	32.604	0.007
27.288	0.122	27.305	0.126	27.324	0.122	27.345	0.108	32.628	-0.012	32.653	-0.022	32.677	-0.040	32.700	-0.075
27.363	0.104	27.380	0.113	27.399	0.144	27.435	0.248	32.751	-0.146	32.792	-0.212	32.812	-0.256	32.832	-0.293
27.452	0.284	27.468	0.306	27.483	0.302	27.510	0.288	32.853	-0.316	32.883	-0.339	32.908	-0.352	32.928	-0.362
27.536	0.270	27.560	0.248	27.581	0.234	27.599	0.212	32.952	-0.353	32.966	-0.331	32.984	-0.331	33.014	-0.291
27.618	0.162	27.639	0.103	27.662	0.017	27.683	-0.064	33.032	-0.255	33.053	-0.224	33.075	-0.197	33.100	-0.175
27.701	-0.119	27.722	-0.178	27.747	-0.224	27.770	-0.233	33.123	-0.157	33.153	-0.126	33.181	-0.081	33.203	-0.049
27.799	-0.234	27.816	-0.252	27.838	-0.280	27.857	-0.298	33.223	-0.018	33.242	0.018	33.262	0.041	33.276	0.059
27.871	-0.298	27.891	-0.276	27.923	-0.200	27.954	-0.115	33.292	0.077	33.317	0.090	33.339	0.099	33.355	0.113
27.975	-0.074	27.998	-0.043	28.032	0.015	28.065	0.095	33.371	0.131	33.385	0.149	33.399	0.153	33.416	0.162
28.089	0.185	28.122	0.324	28.143	0.396	28.167	0.437	33.431	0.167	33.446	0.162	33.461	0.153	33.480	0.131
28.196	0.500	28.218	0.527	28.231	0.540	28.245	0.527	33.501	0.099	33.529	0.059	33.552	0.023	33.573	-0.009
28.264	0.491	28.289	0.396	28.311	0.297	28.346	0.121	33.592	-0.040	33.617	-0.094	33.639	-0.153	33.659	-0.225



33.681	-0.288	33.702	-0.347	33.718	-0.384	33.736	-0.411
33.755	-0.430	33.775	-0.449	33.793	-0.459	33.804	-0.459
33.818	-0.455	33.844	-0.428	33.869	-0.375	33.899	-0.294
33.956	-0.142	33.988	-0.053	34.012	0.006	34.036	0.064
34.063	0.131	34.084	0.189	34.101	0.230	34.117	0.261
34.135	0.266	34.150	0.248	34.169	0.216	34.214	0.117
34.250	0.027	34.284	-0.054	34.322	-0.171	34.352	-0.252
34.376	-0.319	34.390	-0.355	34.414	-0.383	34.430	-0.396
34.459	-0.414	34.477	-0.428	34.493	-0.423	34.514	-0.423
34.535	-0.401	34.562	-0.365	34.582	-0.319	34.639	-0.130
34.666	-0.036	34.708	0.095	34.750	0.189	34.778	0.279
34.798	0.315	34.814	0.338	34.829	0.338	34.846	0.311
34.867	0.261	34.894	0.167	34.930	0.027	34.982	-0.130



IH 126

71.132 2/9/71 0600 PST FULLERTON, 2600 NUTWOOD AVE P.HSE WEST.

1730 POINTS 34.958 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 0.2650 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.031	0.019	-0.018	0.038	-0.018	0.053	-0.017	2.940	-0.043	2.960	-0.030	2.978	-0.013	2.995	-0.018	3.014	-0.022	3.037	-0.001
0.071	-0.013	0.086	-0.004	0.103	0.009	0.126	0.001	3.014	-0.022	3.037	-0.001	3.055	0.029	3.070	0.046	3.095	0.046	3.124	0.037
0.146	-0.012	0.167	-0.011	0.194	-0.020	0.218	-0.015	3.095	0.046	3.124	0.037	3.143	0.033	3.165	0.028	3.185	0.028	3.208	0.033
0.242	-0.002	0.263	0.007	0.284	0.024	0.300	0.033	3.185	0.028	3.208	0.033	3.223	0.033	3.247	0.011	3.264	0.002	3.275	-0.002
0.320	0.021	0.341	0.021	0.359	0.004	0.377	-0.004	3.264	0.002	3.275	-0.002	3.296	-0.003	3.314	0.001	3.333	0.009	3.354	0.026
0.393	0.017	0.414	-0.017	0.437	-0.004	0.464	0.010	3.333	0.009	3.354	0.026	3.374	0.042	3.399	0.029	3.416	0.020	3.435	0.006
0.484	0.023	0.504	0.015	0.529	-0.011	0.545	-0.011	3.416	0.020	3.435	0.006	3.453	0.006	3.471	-0.021	3.495	-0.043	3.517	-0.013
0.561	-0.028	0.577	-0.028	0.587	-0.015	0.598	-0.002	3.495	-0.043	3.517	-0.013	3.536	0.012	3.561	0.020	3.589	0.020	3.602	0.007
0.615	0.015	0.631	0.015	0.650	0.020	0.667	0.015	3.589	0.020	3.602	0.007	3.618	-0.015	3.636	-0.019	3.648	-0.010	3.671	-0.023
0.690	-0.002	0.710	-0.019	0.730	-0.019	0.752	-0.010	3.648	-0.010	3.671	-0.023	3.691	-0.010	3.710	0.024	3.722	0.041	3.735	0.028
0.773	-0.010	0.793	0.003	0.816	0.020	0.835	0.037	3.722	0.041	3.735	0.028	3.751	0.015	3.768	0.011	3.798	0.037	3.819	0.024
0.851	0.037	0.869	0.015	0.885	0.003	0.905	0.015	3.798	0.037	3.819	0.024	3.842	0.006	3.855	0.007	3.874	0.024	3.892	0.037
0.919	0.024	0.941	0.011	0.959	-0.002	0.976	-0.002	3.855	0.011	3.874	0.024	3.892	0.037	3.907	0.050	3.921	0.050	3.937	0.041
0.986	0.007	1.003	0.007	1.009	0.011	1.024	-0.010	3.921	0.050	3.937	0.041	3.952	0.020	3.967	-0.019	3.983	-0.040	4.004	-0.058
1.042	-0.010	1.060	0.003	1.075	0.015	1.087	0.015	3.983	-0.040	4.004	-0.058	4.018	-0.036	4.037	0.003	4.055	-0.020	4.077	0.011
1.110	0.007	1.131	0.003	1.149	0.007	1.174	0.002	4.055	-0.020	4.077	0.011	4.101	-0.006	4.122	-0.032	4.137	-0.062	4.152	-0.066
1.198	0.011	1.217	-0.011	1.232	0.015	1.255	-0.010	4.137	-0.062	4.152	-0.066	4.168	-0.049	4.186	-0.015	4.204	0.024	4.225	0.050
1.275	-0.032	1.291	-0.028	1.313	-0.019	1.338	-0.002	4.204	0.024	4.225	0.050	4.242	0.063	4.263	0.063	4.280	0.041	4.295	0.015
1.356	0.028	1.369	0.037	1.381	0.046	1.404	0.033	4.280	0.041	4.295	0.015	4.310	-0.023	4.327	-0.015	4.342	0.007	4.358	0.028
1.428	0.015	1.450	0.003	1.468	-0.006	1.491	0.011	4.342	0.007	4.358	0.028	4.376	0.028	4.402	0.015	4.421	0.007	4.435	-0.010
1.529	0.028	1.549	0.046	1.564	0.050	1.560	0.054	4.421	0.007	4.435	-0.010	4.452	-0.006	4.471	-0.006	4.488	0.006	4.507	0.015
1.581	0.041	1.606	0.003	1.614	-0.010	1.628	-0.015	4.488	0.006	4.507	0.015	4.525	0.046	4.539	0.063	4.554	0.034	4.576	0.046
1.652	-0.002	1.674	-0.002	1.674	-0.002	1.706	0.033	4.554	0.034	4.576	0.046	4.602	0.028	4.621	0.011	4.633	0.007	4.650	0.024
1.725	0.015	1.742	-0.006	1.762	0.028	1.782	0.032	4.633	0.007	4.650	0.024	4.664	0.041	4.684	0.028	4.702	0.020	4.718	0.011
1.806	-0.023	1.823	-0.015	1.841	-0.023	1.862	-0.002	4.702	0.020	4.718	0.011	4.736	0.041	4.755	0.003	4.776	0.011	4.794	0.024
1.874	-0.006	1.891	-0.028	1.908	-0.015	1.927	0.003	4.776	0.011	4.794	0.024	4.806	0.020	4.826	0.015	4.847	-0.002	4.866	-0.019
1.942	0.011	1.963	0.011	1.983	0.041	1.995	0.054	4.847	-0.002	4.866	-0.019	4.891	-0.036	4.915	0.015	4.940	0.032	4.968	0.015
2.004	0.067	2.024	0.050	2.042	0.020	2.058	0.033	4.940	0.032	4.968	0.015	4.991	0.046	5.015	0.063	5.035	0.028	5.063	0.046
2.071	0.046	2.084	0.024	2.102	0.020	2.111	0.007	5.035	0.028	5.063	0.028	5.085	0.046	5.111	0.063	5.135	0.053	5.153	0.067
2.125	0.024	2.143	0.041	2.155	0.050	2.171	0.041	5.135	0.053	5.153	0.067	5.169	0.050	5.189	0.028	5.210	0.050	5.225	0.071
2.191	0.037	2.210	0.028	2.225	0.015	2.243	-0.006	5.210	0.050	5.225	0.071	5.249	0.080	5.269	0.063	5.285	0.067	5.312	-0.008
2.263	-0.010	2.288	-0.006	2.305	0.002	2.322	-0.011	5.285	0.067	5.312	-0.008	5.337	-0.026	5.361	-0.026	5.385	-0.044	5.405	-0.044
2.338	-0.024	2.355	-0.042	2.372	-0.033	2.394	-0.029	5.361	-0.026	5.385	-0.044	5.405	-0.044	5.436	-0.063	5.455	-0.063	5.475	-0.063
2.411	-0.008	2.432	-0.008	2.450	0.009	2.471	0.030	5.436	-0.063	5.455	-0.063	5.475	-0.063	5.494	-0.063	5.513	-0.063	5.532	-0.063
2.489	0.034	2.517	0.034	2.540	0.042	2.566	0.037	5.494	-0.063	5.513	-0.063	5.532	-0.063	5.551	-0.063	5.568	-0.063	5.587	-0.063
2.584	0.024	2.601	0.011	2.619	0.024	2.638	0.041	5.568	-0.063	5.587	-0.063	5.606	-0.063	5.625	-0.063	5.644	-0.063	5.663	-0.063
2.653	0.054	2.671	0.050	2.690	0.041	2.710	0.033	5.625	-0.063	5.644	-0.063	5.663	-0.063	5.682	-0.063	5.701	-0.063	5.720	-0.063
2.728	0.011	2.746	-0.006	2.766	-0.019	2.788	-0.002	5.682	-0.063	5.701	-0.063	5.720	-0.063	5.739	-0.063	5.758	-0.063	5.777	-0.063
2.811	0.006	2.821	0.015	2.836	0.019	2.853	0.027	5.758	-0.063	5.777	-0.063	5.796	-0.063	5.815	-0.063	5.834	-0.063	5.853	-0.063
2.872	0.014	2.889	-0.003	2.908	-0.021	2.932	-0.034	5.834	-0.063	5.853	-0.063	5.872	-0.063	5.891	-0.063	5.910	-0.063	5.929	-0.063



5.908	0.013	5.927	0.0	5.944	0.021	5.958	0.043	9.937	-0.063	9.955	0.035	9.973	0.177	9.988	0.254
5.975	0.034	5.995	0.025	6.013	0.042	6.031	0.054	9.997	0.266	10.014	0.266	10.032	0.261	10.054	0.248
6.048	0.041	6.062	0.007	6.074	-0.006	6.094	0.003	10.070	0.192	10.086	0.131	10.096	0.119	10.116	0.174
6.109	0.015	6.129	0.007	6.147	0.007	6.160	0.011	10.131	0.226	10.140	0.248	10.159	0.235	10.174	0.187
6.176	0.007	6.194	-0.019	6.212	-0.019	6.233	0.015	10.194	0.119	10.212	0.067	10.232	0.015	10.247	-0.023
6.252	0.015	6.267	0.040	6.289	0.040	6.308	0.022	10.260	-0.053	10.276	-0.048	10.292	0.021	10.303	0.082
6.326	0.035	6.341	0.034	6.356	0.012	6.371	-0.001	10.318	0.108	10.334	0.087	10.352	-0.003	10.372	-0.127
6.391	0.007	6.408	0.028	6.423	0.041	6.443	0.036	10.389	-0.256	10.405	-0.355	10.425	-0.355	10.446	-0.347
6.457	0.019	6.477	-0.012	6.491	0.001	6.509	0.009	10.469	-0.327	10.487	-0.306	10.501	-0.294	10.520	-0.303
6.529	0.017	6.552	0.025	6.564	0.038	6.581	0.046	10.535	-0.320	10.549	-0.311	10.569	-0.281	10.595	-0.230
6.598	0.041	6.615	0.033	6.629	0.021	6.640	-0.009	10.612	-0.178	10.628	-0.135	10.645	-0.109	10.660	-0.118
6.657	-0.047	6.677	-0.047	6.694	-0.034	6.704	-0.029	10.673	-0.126	10.690	-0.109	10.711	0.011	10.726	0.123
6.720	-0.007	6.740	0.002	6.754	0.024	6.769	0.037	10.741	0.239	10.756	0.346	10.771	0.411	10.782	0.476
6.787	0.023	6.802	0.001	6.817	-0.026	6.836	-0.022	10.793	0.570	10.804	0.640	10.813	0.700	10.822	0.730
6.850	-0.036	6.863	-0.058	6.881	-0.050	6.893	-0.029	10.829	0.713	10.837	0.666	10.859	0.469	10.871	0.362
6.906	-0.012	6.925	-0.005	6.939	-0.005	6.949	0.003	10.887	0.259	10.899	0.191	10.908	0.135	10.917	0.101
6.967	0.007	6.985	-0.011	7.003	-0.025	7.022	-0.022	10.923	0.088	10.937	0.097	10.950	0.128	10.962	0.141
7.060	-0.001	7.058	0.020	7.081	0.059	7.096	0.089	10.970	0.141	10.979	0.116	10.986	0.064	11.004	-0.056
7.107	0.103	7.124	0.094	7.139	0.073	7.154	0.035	11.014	-0.133	11.031	-0.304	11.043	-0.407	11.053	-0.467
7.173	0.010	7.192	0.032	7.210	0.062	7.229	0.080	11.063	-0.501	11.072	-0.514	11.085	-0.505	11.103	-0.470
7.247	0.080	7.265	0.062	7.284	0.036	7.302	0.006	11.124	-0.401	11.144	-0.306	11.159	-0.232	11.169	-0.202
7.328	-0.025	7.348	-0.051	7.367	-0.042	7.387	-0.025	11.175	-0.193	11.185	-0.206	11.205	-0.227	11.216	-0.222
7.410	-0.034	7.434	-0.065	7.452	-0.078	7.472	-0.100	11.240	-0.170	11.259	-0.083	11.276	0.015	11.297	0.166
7.492	-0.130	7.514	-0.083	7.536	-0.028	7.557	0.019	11.309	0.243	11.321	0.282	11.333	0.265	11.354	0.196
7.573	0.058	7.590	0.070	7.611	0.061	7.629	0.052	11.366	0.153	11.379	0.140	11.393	0.166	11.409	0.278
7.654	0.056	7.679	0.068	7.698	0.090	7.715	0.102	11.430	0.415	11.442	0.467	11.454	0.492	11.469	0.505
7.733	0.106	7.750	0.097	7.773	0.067	7.792	0.019	11.481	0.497	11.493	0.475	11.506	0.415	11.532	0.205
7.814	-0.011	7.836	-0.024	7.853	-0.038	7.869	-0.059	11.545	0.123	11.556	0.080	11.565	0.067	11.585	0.093
7.884	-0.077	7.901	-0.055	7.914	-0.043	7.925	-0.039	11.603	0.144	11.623	0.209	11.636	0.226	11.652	0.170
7.948	-0.056	7.965	-0.078	7.984	-0.091	7.999	-0.100	11.665	0.071	11.684	-0.165	11.707	-0.462	11.717	-0.556
8.019	-0.083	8.038	-0.075	8.058	-0.058	8.074	-0.053	11.727	-0.621	11.736	-0.634	11.748	-0.603	11.766	-0.526
8.086	-0.045	8.103	-0.071	8.118	-0.083	8.133	-0.088	11.778	-0.470	11.797	-0.440	11.813	-0.462	11.841	-0.496
8.145	-0.062	8.167	-0.023	8.183	-0.010	8.204	0.024	11.861	-0.505	11.874	-0.466	11.897	-0.298	11.938	0.101
8.225	0.058	8.238	0.071	8.258	0.046	8.273	0.037	11.953	0.213	11.970	0.286	11.981	0.308	11.991	0.286
8.290	0.046	8.313	0.041	8.335	0.015	8.354	0.020	12.012	0.196	12.030	0.144	12.045	0.127	12.067	0.183
8.376	0.020	8.397	0.050	8.412	0.058	8.430	0.033	12.084	0.303	12.111	0.510	12.126	0.566	12.139	0.587
8.526	-0.032	8.545	-0.040	8.572	-0.040	8.591	-0.036	12.159	0.544	12.178	0.458	12.214	0.213	12.228	0.162
8.607	0.011	8.621	0.032	8.633	0.045	8.653	0.023	12.241	0.149	12.265	0.175	12.277	0.179	12.292	0.132
8.670	0.017	8.687	-0.008	8.706	0.008	8.726	0.038	12.309	0.012	12.325	-0.169	12.343	-0.430	12.354	-0.538
8.745	0.080	8.760	0.123	8.775	0.140	8.795	0.140	12.367	-0.606	12.375	-0.619	12.388	-0.585	12.405	-0.477
8.817	0.084	8.837	0.024	8.857	-0.053	8.881	-0.144	12.433	-0.253	12.448	-0.176	12.460	-0.158	12.469	-0.154
8.906	-0.187	8.933	-0.221	8.951	-0.212	8.963	-0.208	12.483	-0.214	12.514	-0.411	12.527	-0.467	12.540	-0.488
8.987	-0.255	9.001	-0.264	9.022	-0.199	9.038	-0.126	12.556	-0.454	12.588	-0.286	12.609	-0.178	12.639	0.033
9.061	-0.079	9.080	-0.040	9.100	-0.006	9.122	-0.028	12.652	0.123	12.669	0.205	12.700	0.338	12.712	0.355
9.140	-0.083	9.158	-0.105	9.181	-0.096	9.202	-0.045	12.725	0.333	12.752	0.179	12.768	0.136	12.782	0.166
9.226	0.063	9.245	0.136	9.256	0.183	9.272	0.209	12.806	0.255	12.824	0.315	12.855	0.435	12.870	0.465
9.288	0.213	9.311	0.187	9.331	0.157	9.343	0.140	12.886	0.431	12.919	0.280	12.925	0.258	12.941	0.233
9.354	0.140	9.377	0.174	9.393	0.217	9.406	0.265	12.957	0.250	12.986	0.357	13.000	0.387	13.012	0.348
9.418	0.303	9.430	0.316	9.449	0.278	9.469	0.149	13.029	0.219	13.045	0.017	13.069	-0.280	13.081	-0.371
9.485	0.046	9.502	-0.053	9.522	-0.148	9.540	-0.178	13.093	-0.431	13.103	-0.427	13.125	-0.337	13.156	-0.307
9.560	-0.165	9.578	-0.118	9.596	-0.053	9.614	-0.006	13.192	-0.315	13.206	-0.350	13.229	-0.427	13.241	-0.444
9.634	0.024	9.650	0.011	9.670	-0.015	9.686	-0.075	13.256	-0.414	13.275	-0.328	13.300	-0.101	13.316	0.054
9.706	-0.118	9.722	-0.187	9.745	-0.255	9.761	-0.303	13.331	0.131	13.346	0.174	13.361	0.200	13.372	0.200
9.780	-0.342	9.804	-0.309	9.819	-0.279	9.834	-0.258	13.387	0.153	13.397	0.097	13.417	-0.049	13.427	-0.101
9.855	-0.267	9.868	-0.254	9.891	-0.216	9.912	-0.140	13.437	-0.109	13.448	-0.075	13.466	0.050	13.490	0.299
								13.513	0.544	13.530	0.664	13.541	0.712	13.554	0.733



13.566	0.720	13.581	0.660	13.599	0.518	13.623	0.235	17.711	0.223	17.731	0.308	17.741	0.325	17.754	0.295
13.635	0.157	13.650	0.114	13.674	0.119	13.686	0.097	17.769	0.192	17.799	-0.152	17.822	-0.535	17.838	-0.762
13.707	0.003	13.739	-0.169	13.771	-0.298	13.800	-0.436	17.850	-0.883	17.860	-0.921	17.875	-0.857	17.917	-0.410
13.815	-0.470	13.845	-0.487	13.855	-0.530	13.889	-0.728	17.929	-0.337	17.941	-0.311	17.955	-0.337	17.978	-0.457
13.902	-0.775	13.914	-0.801	13.931	-0.754	13.949	-0.664	18.007	-0.638	18.022	-0.689	18.036	-0.655	18.051	-0.552
13.967	-0.535	13.979	-0.449	13.997	-0.354	14.025	-0.191	18.083	-0.208	18.111	0.044	18.134	0.207	18.153	0.293
14.042	-0.105	14.059	-0.019	14.072	0.046	14.090	0.170	18.163	0.306	18.186	0.288	18.204	0.335	18.222	0.446
14.111	0.398	14.128	0.574	14.143	0.725	14.155	0.772	18.243	0.605	18.258	0.695	18.273	0.729	18.297	0.785
14.164	0.789	14.179	0.776	14.215	0.716	14.239	0.694	18.309	0.794	18.321	0.773	18.339	0.640	18.370	0.322
14.253	0.712	14.279	0.780	14.291	0.815	14.300	0.811	18.387	0.193	18.417	0.043	18.439	-0.021	18.477	-0.067
14.311	0.763	14.327	0.643	14.348	0.372	14.371	0.123	18.495	-0.110	18.519	-0.209	18.537	-0.325	18.564	-0.487
14.383	0.003	14.398	-0.118	14.440	-0.427	14.463	-0.592	18.582	-0.560	18.602	-0.599	18.613	-0.595	18.632	-0.522
14.494	-0.750	14.512	-0.840	14.528	-0.874	14.556	-0.866	18.673	-0.242	18.691	-0.131	18.714	-0.045	18.731	-0.002
14.582	-0.887	14.599	-0.866	14.615	-0.775	14.645	-0.470	18.750	0.011	18.768	0.037	18.786	0.097	18.816	0.217
14.657	-0.367	14.675	-0.290	14.698	-0.234	14.714	-0.144	18.842	0.285	18.864	0.340	18.896	0.340	18.909	0.319
14.738	0.063	14.763	0.346	14.787	0.664	14.798	0.793	18.930	0.280	18.944	0.280	18.971	0.309	18.989	0.300
14.806	0.849	14.814	0.879	14.822	0.862	14.849	0.677	19.023	0.274	19.044	0.235	19.060	0.184	19.098	-0.023
14.864	0.578	14.883	0.535	14.897	0.561	14.930	0.686	19.116	-0.092	19.140	-0.173	19.160	-0.206	19.179	-0.240
14.946	0.720	14.957	0.716	14.973	0.630	14.991	0.441	19.194	-0.287	19.219	-0.390	19.231	-0.424	19.245	-0.427
15.008	0.209	15.027	-0.028	15.041	-0.187	15.056	-0.298	19.260	-0.401	19.274	-0.328	19.304	-0.148	19.323	-0.049
15.070	-0.358	15.082	-0.376	15.093	-0.346	15.116	-0.290	19.344	0.011	19.365	0.058	19.383	0.080	19.396	0.063
15.128	-0.268	15.139	-0.298	15.166	-0.453	15.189	-0.659	19.423	0.024	19.434	0.015	19.449	0.054	19.470	0.127
15.205	-0.780	15.227	-0.870	15.242	-0.887	15.255	-0.853	19.488	0.157	19.520	0.179	19.530	0.209	19.560	0.303
15.269	-0.763	15.301	-0.428	15.316	-0.312	15.332	-0.239	19.583	0.364	19.603	0.402	19.624	0.419	19.632	0.423
15.356	-0.149	15.392	0.001	15.421	0.176	15.452	0.430	19.645	0.410	19.687	0.375	19.687	0.284	19.706	0.206
15.476	0.661	15.488	0.752	15.497	0.794	15.506	0.807	19.721	0.180	19.746	0.140	19.757	0.101	19.789	-0.019
15.515	0.790	15.537	0.699	15.563	0.566	15.596	0.389	19.803	-0.097	19.818	-0.187	19.841	-0.364	19.853	-0.433
15.613	0.321	15.631	0.273	15.653	0.252	15.663	0.209	19.871	0.506	19.886	-0.545	19.904	-0.554	19.920	-0.511
15.689	0.093	15.709	0.046	15.730	0.020	15.746	0.007	19.950	-0.336	19.967	-0.267	19.990	-0.237	20.012	-0.268
15.758	-0.032	15.771	-0.101	15.799	-0.294	15.822	-0.478	20.038	-0.285	20.058	-0.268	20.080	-0.192	20.113	-0.012
15.837	-0.585	15.858	-0.675	15.872	-0.710	15.880	-0.705	20.128	-0.052	20.145	-0.108	20.179	-0.193	20.201	-0.283
15.897	-0.662	15.927	-0.550	15.952	-0.511	15.964	-0.472	20.218	0.381	20.247	0.587	20.256	0.638	20.271	0.690
15.994	-0.330	16.008	-0.270	16.026	-0.188	16.035	-0.123	20.278	0.677	20.297	0.616	20.314	0.496	20.339	0.289
16.059	0.049	16.071	0.122	16.083	0.152	16.094	0.140	20.356	0.186	20.373	0.130	20.391	0.121	20.427	0.091
16.115	0.080	16.130	0.080	16.146	0.114	16.160	0.187	20.444	0.069	20.469	-0.009	20.519	-0.194	20.543	-0.302
16.178	0.325	16.199	0.505	16.212	0.609	16.227	0.677	20.568	-0.380	20.597	-0.406	20.621	-0.401	20.647	-0.376
16.249	0.742	16.265	0.768	16.277	0.751	16.295	0.669	20.671	-0.320	20.730	-0.144	20.750	-0.096	20.787	-0.016
16.312	0.605	16.324	0.575	16.348	0.532	16.360	0.498	20.809	0.052	20.839	0.146	20.863	0.201	20.889	0.273
16.372	0.451	16.382	0.378	16.404	0.159	16.426	-0.107	20.907	0.324	20.922	0.358	20.934	0.371	21.006	0.369
16.447	-0.425	16.465	-0.614	16.477	-0.691	16.488	-0.729	21.020	0.347	21.045	0.286	21.061	0.268	21.082	0.258
16.494	-0.725	16.510	-0.673	16.531	-0.510	16.548	-0.368	21.095	0.236	21.128	0.123	21.146	0.071	21.156	0.053
16.560	-0.320	16.569	-0.342	16.596	-0.449	16.613	-0.479	21.189	-0.013	21.204	-0.022	21.231	-0.135	21.253	-0.230
16.712	-0.053	16.738	-0.006	16.762	0.024	16.785	0.041	21.274	-0.313	21.292	-0.361	21.329	-0.431	21.345	-0.454
16.801	0.097	16.815	0.187	16.847	0.534	16.870	0.783	21.360	-0.459	21.388	-0.447	21.411	-0.418	21.437	-0.372
16.886	0.873	16.893	0.882	16.907	0.821	16.923	0.641	21.470	-0.271	21.484	-0.233	21.500	-0.204	21.525	-0.169
16.950	0.309	16.965	0.215	16.981	0.176	17.000	0.214	21.544	-0.118	21.563	0.071	21.595	0.119	21.609	0.140
17.027	0.330	17.039	0.364	17.046	0.373	17.058	0.355	21.749	0.248	21.759	0.269	21.771	0.269	21.788	0.252
17.082	0.226	17.108	-0.006	17.147	-0.466	17.165	-0.659	21.800	0.222	21.847	0.054	21.870	-0.032	21.886	-0.071
17.179	-0.732	17.188	-0.754	17.203	-0.719	17.227	-0.651	21.898	-0.075	21.924	-0.058	21.937	-0.083	21.971	-0.195
17.246	-0.625	17.279	-0.664	17.318	-0.621	17.335	-0.565	21.999	-0.268	22.015	-0.311	22.029	-0.315	22.037	-0.333
17.347	-0.475	17.366	-0.260	17.395	0.166	17.410	0.295	22.049	-0.311	22.063	-0.255	22.099	-0.053	22.110	-0.006
17.422	0.351	17.431	0.351	17.442	0.333	17.463	0.278	22.126	0.024	22.144	0.041	22.161	0.033	22.177	0.007
17.479	0.273	17.498	0.329	17.518	0.450	17.553	0.841	22.198	-0.036	22.212	-0.049	22.226	-0.023	22.259	0.093
17.572	1.030	17.586	1.077	17.593	1.064	17.610	0.956	22.273	0.127	22.290	0.153	22.300	0.144	22.313	0.097
17.651	0.435	17.666	0.275	17.682	0.189	17.694	0.176	22.343	-0.058	22.360	-0.131	22.375	-0.182	22.388	-0.199



22.400	-0.187	22.447	-0.058	22.466	-0.028	22.476	-0.028	27.743	-0.182	27.763	-0.208	27.792	-0.217	27.814	-0.235
22.490	-0.053	22.515	-0.139	22.532	-0.174	22.546	-0.182	27.833	-0.256	27.855	-0.287	27.874	-0.300	27.885	-0.300
22.558	-0.174	22.577	-0.126	22.605	-0.023	22.621	0.028	27.910	-0.279	27.988	-0.147	28.068	0.007	28.119	0.101
22.651	0.069	22.672	0.102	22.708	0.165	22.750	0.222	28.147	0.157	28.163	0.183	28.204	0.265	28.231	0.290
22.771	0.243	22.781	0.248	22.799	0.230	22.832	0.170	28.261	0.303	28.283	0.303	28.305	0.281	28.365	0.164
22.867	0.127	22.889	0.088	22.940	-0.045	22.967	-0.122	28.437	0.117	28.437	0.017	28.471	-0.044	28.495	-0.083
22.997	-0.208	23.014	-0.247	23.025	-0.247	23.044	-0.234	28.511	-0.087	28.544	-0.092	28.569	-0.096	28.596	-0.118
23.074	-0.178	23.091	-0.139	23.113	-0.126	23.133	-0.144	28.622	-0.131	28.637	-0.131	28.660	-0.088	28.740	0.084
23.169	-0.199	23.191	-0.212	23.209	-0.187	23.241	-0.105	28.752	0.119	28.772	0.135	28.803	0.161	28.831	0.160
23.279	-0.032	23.305	0.049	23.337	0.105	23.373	0.143	28.846	0.160	28.881	0.125	28.920	0.095	28.951	0.073
23.406	0.186	23.429	0.215	23.441	0.211	23.454	0.181	28.985	0.038	29.005	0.008	29.040	-0.066	29.070	-0.122
23.488	0.047	23.514	-0.026	23.538	-0.074	23.555	-0.096	29.094	-0.144	29.117	-0.140	29.141	-0.137	29.161	-0.137
23.573	-0.083	23.595	-0.066	23.610	-0.075	23.628	-0.118	29.201	-0.155	29.201	-0.181	29.224	-0.207	29.239	-0.208
23.654	-0.217	23.667	-0.260	23.682	-0.285	23.694	-0.281	29.263	-0.183	29.295	-0.136	29.315	-0.120	29.338	-0.107
23.711	-0.251	23.757	-0.152	23.772	-0.131	23.792	-0.152	29.372	-0.095	29.418	-0.058	29.464	-0.012	29.506	0.017
23.808	-0.182	23.833	-0.247	23.850	-0.277	23.861	-0.277	29.537	0.034	29.570	0.041	29.584	0.058	29.621	0.097
23.988	0.295	24.002	0.273	24.030	0.213	24.054	0.174	29.638	0.114	29.658	0.106	29.676	0.071	29.702	0.033
24.083	0.174	24.103	0.179	24.120	0.162	24.144	0.119	29.723	-0.002	29.763	-0.041	29.797	-0.080	29.814	-0.106
24.168	0.058	24.192	0.007	24.211	-0.015	24.228	-0.028	29.829	-0.153	29.849	-0.197	29.866	-0.218	29.887	-0.236
24.252	-0.032	24.265	-0.040	24.285	-0.058	24.315	-0.079	29.901	-0.232	29.922	-0.206	29.939	-0.163	29.976	-0.056
24.334	-0.092	24.357	-0.105	24.395	-0.109	24.411	-0.126	30.006	0.003	30.037	0.037	30.056	0.063	30.077	0.080
24.427	-0.148	24.447	-0.182	24.474	-0.230	24.490	-0.251	30.104	0.098	30.125	0.115	30.145	0.137	30.162	0.151
24.512	-0.264	24.529	-0.273	24.544	-0.247	24.569	-0.182	30.175	0.151	30.188	0.147	30.207	0.130	30.237	0.045
24.598	0.083	24.628	0.003	24.652	0.080	24.682	0.192	30.299	-0.024	30.326	-0.063	30.349	-0.089	30.365	-0.128
24.703	0.252	24.722	0.286	24.736	0.303	24.769	0.320	30.389	-0.189	30.403	-0.223	30.419	-0.249	30.432	-0.271
24.787	0.342	24.813	0.389	24.835	0.427	24.847	0.440	30.445	-0.267	30.465	-0.241	30.517	-0.126	30.533	-0.105
24.859	0.427	24.876	0.392	24.903	0.280	24.929	0.151	30.554	-0.088	30.582	-0.071	30.612	-0.062	30.627	-0.053
24.953	0.052	24.971	0.017	24.987	-0.013	25.012	-0.035	30.649	-0.028	30.693	0.046	30.721	0.076	30.731	0.084
25.021	-0.052	25.040	-0.117	25.079	-0.307	25.105	-0.414	30.747	0.080	30.775	0.067	30.817	0.070	30.831	0.087
25.125	-0.453	25.138	-0.462	25.152	-0.444	25.184	-0.380	30.850	0.104	30.863	0.117	30.884	0.100	30.912	0.043
25.207	-0.350	25.248	-0.337	25.268	-0.320	25.285	-0.290	30.958	-0.065	30.980	-0.087	30.998	-0.087	31.028	-0.074
25.304	-0.217	25.344	-0.002	25.366	0.088	25.384	0.166	31.052	-0.083	31.085	-0.131	31.119	-0.199	31.147	-0.260
25.408	0.226	25.440	0.295	25.475	0.376	25.500	0.441	31.163	-0.290	31.179	-0.307	31.191	-0.298	31.232	-0.277
25.516	0.467	25.531	0.484	25.547	0.475	25.569	0.428	31.259	-0.294	31.292	-0.299	31.319	-0.269	31.349	-0.205
25.592	0.368	25.610	0.299	25.637	0.179	25.661	0.084	31.402	-0.051	31.431	0.009	31.474	0.064	31.518	0.089
25.694	-0.036	25.715	-0.131	25.746	-0.277	25.766	-0.363	31.564	0.140	31.590	0.148	31.637	0.146	31.664	0.157
25.790	-0.444	25.813	-0.505	25.828	-0.522	25.848	-0.513	31.687	0.186	31.705	0.215	31.725	0.227	31.743	0.231
25.872	-0.479	25.915	-0.397	25.939	-0.337	25.952	-0.273	31.774	0.217	31.774	0.217	31.791	0.205	31.818	0.196
25.984	-0.101	26.018	0.097	26.045	0.248	26.066	0.333	31.846	0.153	31.875	0.106	31.900	0.037	31.917	0.006
26.090	0.419	26.105	0.450	26.126	0.480	26.154	0.501	31.949	-0.105	31.974	-0.156	32.005	-0.195	32.038	-0.212
26.175	0.544	26.196	0.561	26.205	0.548	26.220	0.514	32.065	-0.221	32.096	-0.208	32.108	-0.208	32.144	-0.178
26.241	0.441	26.274	0.282	26.312	0.085	26.342	-0.078	32.176	-0.139	32.208	-0.092	32.251	-0.010	32.278	0.058
26.363	-0.189	26.391	-0.301	26.418	-0.408	26.449	-0.493	32.299	0.114	32.323	0.157	32.344	0.192	32.366	0.209
26.462	-0.528	26.482	-0.557	26.496	-0.561	26.513	-0.540	32.383	0.213	32.401	0.222	32.428	0.209	32.456	0.187
26.544	-0.471	26.606	-0.290	26.632	-0.212	26.645	-0.148	32.475	0.170	32.507	0.123	32.527	0.096	32.552	0.087
26.693	0.106	26.721	0.252	26.742	0.351	26.761	0.411	32.595	0.072	32.624	0.063	32.646	0.064	32.673	0.039
26.777	0.441	26.799	0.454	26.819	0.445	26.840	0.467	32.700	0.022	32.723	0.001	32.762	-0.010	32.811	0.002
26.865	0.484	26.880	0.480	26.901	0.462	26.925	0.398	32.827	-0.007	32.881	-0.068	32.890	-0.072	32.909	-0.086
26.982	0.162	27.007	0.067	27.031	-0.006	27.074	-0.096	32.931	-0.099	32.971	-0.108	32.991	-0.108	33.009	-0.108
27.094	-0.135	27.127	-0.169	27.149	-0.199	27.178	-0.255	33.072	-0.088	33.072	-0.075	33.096	-0.053	33.115	-0.032
27.204	-0.260	27.225	-0.247	27.252	-0.217	27.275	-0.165	33.131	-0.010	33.151	0.003	33.172	0.015	33.195	0.028
27.305	-0.088	27.331	-0.032	27.372	0.050	27.417	0.119	33.236	0.046	33.236	0.046	33.254	0.046	33.268	0.050
27.447	0.170	27.467	0.192	27.487	0.196	27.504	0.179	33.300	0.046	33.300	0.046	33.308	0.037	33.324	0.020
27.545	0.123	27.567	0.097	27.592	0.097	27.621	0.092	33.339	-0.002	33.366	-0.053	33.391	-0.101	33.405	-0.118
27.635	0.083	27.663	0.022	27.699	-0.086	27.722	-0.143	33.419	-0.126	33.429	-0.122	33.446	-0.114	33.468	-0.088
								33.501	-0.071		-0.062	33.523	-0.053	33.540	-0.053



33.557	-0.036	33.575	-0.015	33.596	0.020	33.615	0.063
33.636	0.101	33.651	0.136	33.663	0.148	33.684	0.160
33.705	0.159	33.724	0.176	33.744	0.188	33.760	0.196
33.779	0.196	33.804	0.195	33.818	0.186	33.838	0.173
33.852	0.156	33.870	0.143	33.890	0.125	33.911	0.099
33.936	0.064	33.955	0.038	33.981	0.016	34.000	-0.001
34.024	-0.028	34.039	-0.040	34.063	-0.058	34.081	-0.071
34.108	-0.096	34.121	-0.105	34.142	-0.096	34.175	-0.071
34.198	-0.058	34.223	-0.023	34.241	-0.006	34.264	0.003
34.289	0.007	34.320	0.028	34.345	0.046	34.370	0.063
34.386	0.076	34.403	0.101	34.424	0.114	34.439	0.114
34.457	0.106	34.475	0.080	34.498	0.037	34.526	-0.015
34.550	-0.040	34.577	-0.053	34.604	-0.058	34.621	-0.075
34.646	-0.105	34.667	-0.131	34.691	-0.156	34.711	-0.169
34.732	-0.161	34.763	-0.148	34.780	-0.135	34.798	-0.122
34.807	-0.118	34.827	-0.126	34.852	-0.135	34.867	-0.126
34.891	-0.109	34.958	-0.049				



IH 126

71.132 2/9/71 0600 PST FULLERTON, 2600 NUTWOOD AVE P.HSE DOWN

2355 POINTS 35.018 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 0.1019 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.053	0.014	-0.001	0.030	-0.023	0.044	-0.028	2.255	0.071	2.266	0.021	2.280	-0.001	2.292	0.012		
0.059	-0.027	0.069	-0.009	0.083	0.013	0.101	0.054	2.309	0.053	2.327	0.093	2.344	0.115	2.361	0.119		
0.116	0.090	0.127	0.104	0.146	0.100	0.162	0.087	2.379	0.119	2.393	0.128	2.407	0.146	2.415	0.150		
0.179	0.069	0.198	0.020	0.215	-0.048	0.227	-0.079	2.432	0.096	2.445	0.024	2.459	-0.030	2.468	-0.058		
0.240	-0.065	0.257	0.067	0.267	0.070	0.278	0.115	2.484	-0.022	2.507	0.072	2.517	0.095	2.532	0.122		
0.290	0.178	0.299	0.201	0.305	0.201	0.318	0.183	2.548	0.117	2.565	0.063	2.579	0.008	2.593	-0.005		
0.332	0.143	0.342	0.094	0.356	0.031	0.366	-0.019	2.612	-0.001	2.628	0.026	2.641	0.066	2.652	0.098		
0.377	-0.050	0.389	-0.077	0.398	-0.081	0.413	-0.076	2.672	0.111	2.691	0.116	2.709	0.116	2.724	0.084		
0.427	-0.009	0.437	0.050	0.449	0.113	0.461	0.167	2.739	0.030	2.748	-0.001	2.763	-0.028	2.781	0.017		
0.472	0.195	0.482	0.199	0.492	0.199	0.506	0.154	2.800	0.111	2.814	0.179	2.827	0.215	2.844	0.160		
0.522	0.065	0.533	0.006	0.542	-0.021	0.551	-0.034	2.853	0.106	2.867	0.007	2.878	-0.029	2.895	-0.052		
0.566	-0.029	0.580	-0.020	0.595	0.052	0.603	0.084	2.907	-0.052	2.920	-0.043	2.938	0.024	2.952	0.109		
0.613	0.111	0.623	0.116	0.637	0.125	0.650	0.125	2.966	0.190	2.976	0.239	2.988	0.262	3.001	0.230		
0.668	0.084	0.683	0.030	0.695	-0.015	0.709	-0.015	3.020	0.140	3.038	0.040	3.049	-0.018	3.064	-0.059		
0.726	-0.006	0.747	0.017	0.763	0.057	0.775	0.075	3.082	-0.019	3.100	0.040	3.119	0.089	3.131	0.120		
0.784	0.093	0.802	0.075	0.816	0.030	0.829	-0.001	3.140	0.129	3.160	0.089	3.177	0.030	3.196	-0.010		
0.841	-0.033	0.856	-0.015	0.870	0.048	0.880	0.120	3.211	-0.028	3.227	0.008	3.242	0.075	3.253	0.098		
0.889	0.188	0.896	0.228	0.904	0.246	0.917	0.228	3.269	0.107	3.281	0.134	3.295	0.143	3.309	0.111		
0.930	0.152	0.944	0.053	0.956	-0.033	0.970	-0.074	3.327	0.043	3.342	0.002	3.362	-0.039	3.374	-0.066		
0.984	-0.051	1.001	0.021	1.018	0.089	1.030	0.134	3.394	-0.026	3.408	0.059	3.420	0.103	3.436	0.130		
1.046	0.134	1.061	0.125	1.076	0.107	1.089	0.053	3.446	0.134	3.459	0.156	3.477	0.124	3.492	0.047		
1.105	-0.010	1.117	-0.033	1.135	-0.019	1.153	0.026	3.504	0.011	3.519	-0.003	3.532	0.006	3.547	0.055		
1.168	0.098	1.180	0.138	1.195	0.179	1.209	0.165	3.560	0.086	3.577	0.103	3.597	0.103	3.613	0.084		
1.227	0.107	1.242	0.062	1.257	0.008	1.268	-0.024	3.631	0.044	3.646	-0.001	3.655	-0.024	3.668	-0.042		
1.288	-0.019	1.312	0.012	1.329	0.053	1.344	0.093	3.686	0.021	3.702	0.093	3.713	0.138	3.727	0.188		
1.354	0.102	1.372	0.075	1.385	0.048	1.400	0.030	3.745	0.219	3.766	0.165	3.780	0.107	3.798	0.017		
1.414	0.035	1.431	0.044	1.449	0.053	1.464	0.071	3.816	-0.046	3.831	-0.101	3.843	-0.132	3.867	-0.064		
1.479	0.093	1.494	0.066	1.516	0.017	1.540	0.053	3.879	0.026	3.911	0.102	3.899	0.134	3.909	0.152		
1.560	0.102	1.577	0.125	1.593	0.102	1.606	0.080	3.926	0.129	3.942	0.098	3.957	0.048	3.970	0.008		
1.616	0.062	1.630	0.071	1.647	0.080	1.663	0.084	3.978	-0.033	3.984	-0.042	3.997	-0.006	4.015	0.039		
1.675	0.084	1.690	0.071	1.707	0.066	1.722	0.044	4.029	0.093	4.042	0.129	4.050	0.152	4.059	0.129		
1.740	0.048	1.752	0.062	1.758	0.075	1.772	0.053	4.071	0.089	4.082	0.026	4.093	-0.010	4.103	-0.028		
1.787	0.044	1.799	0.021	1.814	0.021	1.832	0.044	4.112	-0.028	4.124	-0.010	4.139	0.053	4.152	0.129		
1.848	0.080	1.862	0.116	1.874	0.152	1.883	0.156	4.158	0.161	4.168	0.192	4.187	0.174	4.207	0.138		
1.895	0.138	1.907	0.098	1.919	0.071	1.934	0.044	4.227	0.071	4.245	-0.006	4.257	-0.042	4.273	-0.055		
1.952	0.035	1.967	0.044	1.983	0.048	1.997	0.066	4.288	-0.015	4.307	0.039	4.327	0.084	4.337	0.125		
2.011	0.111	2.027	0.134	2.044	0.143	2.063	0.152	4.348	0.170	4.372	0.197	4.372	0.174	4.385	0.102		
2.077	0.152	2.090	0.111	2.103	0.035	2.119	-0.051	4.397	0.057	4.412	0.048	4.426	0.044	4.436	0.026		
2.134	-0.087	2.149	-0.060	2.165	0.008	2.179	0.075	4.463	0.120	4.472	0.156	4.482	0.174	4.500	0.161		
2.194	0.120	2.204	0.138	2.220	0.143	2.242	0.120	4.516	0.089	4.533	0.003	4.545	-0.064	4.555	-0.078		



4.571	-0.037	4.593	0.044	4.610	0.143	4.623	0.206	7.739	-0.041	7.756	-0.104	7.770	-0.131	7.783	-0.118
4.639	0.237	4.654	0.228	4.678	0.107	4.699	0.008	7.802	-0.055	7.819	0.070	7.835	0.210	7.843	0.264
4.701	-0.078	4.711	-0.114	4.720	-0.137	4.733	-0.096	7.857	0.308	7.871	0.272	7.885	0.146	7.901	-0.012
4.750	0.017	4.758	0.089	4.766	0.143	4.773	0.179	7.917	-0.116	7.933	-0.165	7.946	-0.161	7.962	-0.116
4.787	0.192	4.800	0.206	4.811	0.192	4.825	0.152	7.981	-0.009	7.995	0.099	8.005	0.180	8.021	0.220
4.843	0.044	4.853	-0.019	4.862	-0.046	4.870	-0.060	8.037	0.171	8.055	0.017	8.070	-0.078	8.088	-0.123
4.883	-0.024	4.907	0.062	4.916	0.116	4.928	0.134	8.108	-0.083	8.127	-0.037	8.146	0.003	8.166	0.039
4.943	0.183	4.961	0.192	4.976	0.192	4.988	0.134	8.182	0.057	8.199	0.039	8.220	0.017	8.238	0.048
5.003	0.026	5.013	-0.006	5.024	-0.033	5.043	0.012	8.256	0.107	8.267	0.120	8.283	0.102	8.302	0.026
5.057	0.057	5.069	0.098	5.081	0.125	5.094	0.102	8.323	-0.083	8.333	-0.141	8.345	-0.168	8.358	-0.137
5.109	0.030	5.123	0.015	5.144	0.008	5.159	0.026	8.379	0.026	8.391	0.141	8.400	0.201	8.409	0.219
5.178	0.080	5.213	0.125	5.213	0.125	5.219	0.152	8.426	0.174	8.449	0.075	8.464	-0.015	8.477	-0.060
5.232	0.170	5.243	0.134	5.256	0.048	5.266	-0.042	8.493	-0.083	8.513	-0.046	8.535	0.021	8.553	0.080
5.279	-0.087	5.294	-0.064	5.312	0.003	5.330	0.088	8.568	0.156	8.582	0.188	8.594	0.147	8.607	0.012
5.346	0.137	5.360	0.155	5.376	0.168	5.392	0.176	8.618	-0.087	8.630	-0.164	8.642	-0.186	8.666	-0.123
5.406	0.158	5.421	0.049	5.433	-0.028	5.445	-0.073	8.684	-0.043	8.706	0.042	8.723	0.091	8.739	0.118
5.462	-0.042	5.480	0.061	5.493	0.151	5.503	0.200	8.754	0.104	8.767	0.090	8.779	0.076	8.788	0.098
5.513	0.222	5.539	0.186	5.558	0.109	5.575	-0.013	8.800	0.111	8.817	0.071	8.833	0.026	8.849	0.039
5.592	-0.054	5.607	-0.100	5.614	-0.131	5.631	-0.069	8.859	0.048	8.877	-0.015	8.891	-0.046	8.909	-0.024
5.656	0.080	5.674	0.174	5.688	0.242	5.701	0.273	8.936	0.044	8.951	0.116	8.968	0.165	8.986	0.188
5.715	-0.170	5.735	0.075	5.744	0.003	5.754	0.003	9.001	0.188	9.016	0.053	9.034	-0.060	9.049	-0.119
5.758	-0.033	5.768	-0.055	5.788	-0.006	5.800	0.039	9.067	-0.119	9.091	-0.037	9.103	0.030	9.118	0.107
5.813	0.088	5.830	0.115	5.844	0.124	5.855	0.137	9.128	0.125	9.150	0.080	9.171	0.017	9.190	-0.028
5.863	0.119	5.875	0.060	5.888	-0.039	5.900	-0.097	9.218	-0.024	9.231	-0.037	9.247	0.039	9.258	0.084
5.911	-0.129	5.923	-0.120	5.937	-0.048	5.952	0.059	9.269	0.129	9.288	0.125	9.321	0.098	9.349	0.066
5.964	0.122	5.979	0.167	5.990	0.158	6.011	0.122	9.365	0.030	9.378	-0.006	9.394	0.003	9.408	0.030
6.023	0.076	6.041	0.094	6.053	0.107	6.063	0.098	9.421	0.044	9.439	-0.042	9.456	-0.092	9.468	-0.123
6.140	-0.066	6.152	-0.075	6.165	-0.039	6.183	0.003	9.474	-0.137	9.488	-0.114	9.506	-0.051	9.515	0.017
6.199	-0.042	6.214	-0.060	6.231	-0.042	6.241	0.044	9.526	0.080	9.540	0.107	9.556	0.075	9.578	0.003
6.252	0.143	6.260	0.228	6.265	0.269	6.276	0.309	9.597	-0.006	9.616	-0.006	9.633	-0.024	9.653	-0.055
6.287	0.286	6.303	0.160	6.315	0.056	6.325	-0.039	9.662	0.069	9.681	-0.028	9.697	0.008	9.712	0.021
6.335	-0.102	6.344	-0.147	6.353	-0.174	6.365	-0.143	9.735	-0.006	9.747	-0.028	9.765	0.012	9.776	0.053
6.380	-0.062	6.392	0.032	6.403	0.104	6.413	0.162	9.791	0.093	9.803	0.106	9.824	0.047	9.839	-0.043
6.426	0.202	6.435	0.215	6.450	0.179	6.466	0.102	9.853	-0.129	9.868	-0.175	9.886	-0.126	9.905	-0.054
6.480	0.030	6.496	-0.007	6.518	-0.043	6.536	-0.062	9.928	0.076	9.942	0.165	9.952	0.219	9.964	0.241
6.549	-0.071	6.572	0.009	6.589	0.086	6.603	0.126	10.059	-0.058	10.076	-0.045	10.090	-0.019	10.105	0.039
6.618	0.134	6.632	0.094	6.646	0.066	6.662	0.084	10.116	0.075	10.127	0.098	10.151	0.080	10.166	0.026
6.675	0.107	6.693	0.094	6.707	0.095	6.725	0.023	10.182	-0.028	10.198	-0.051	10.222	-0.010	10.247	0.039
6.736	-0.071	6.748	-0.147	6.761	-0.183	6.786	-0.074	10.263	0.066	10.283	0.048	10.300	0.030	10.317	0.058
6.802	0.048	6.820	0.156	6.831	0.209	6.839	0.236	10.337	0.045	10.350	0.005	10.365	-0.008	10.385	0.010
6.850	0.254	6.867	0.230	6.881	0.176	6.897	0.035	10.403	0.033	10.416	0.047	10.435	0.025	10.453	-0.011
6.908	-0.033	6.922	-0.083	6.932	-0.083	6.948	-0.039	10.470	-0.033	10.486	-0.012	10.504	0.006	10.529	-0.036
6.969	0.082	6.984	0.157	6.993	0.198	7.005	0.215	10.548	-0.082	10.567	-0.042	10.580	0.008	10.596	0.026
7.022	0.178	7.037	0.070	7.053	-0.021	7.066	-0.080	10.609	0.039	10.628	0.026	10.645	-0.024	10.661	-0.064
7.081	-0.099	7.093	-0.073	7.108	-0.024	7.122	0.057	10.685	-0.019	10.707	-0.006	10.755	0.008	10.777	0.012
7.133	0.098	7.145	0.125	7.161	0.108	7.181	0.036	10.801	-0.006	10.821	-0.051	10.840	-0.145	10.858	-0.181
7.198	0.005	7.216	0.006	7.230	-0.030	7.241	-0.043	10.882	-0.135	10.903	0.109	10.918	0.280	10.933	0.366
7.257	-0.002	7.272	0.016	7.289	0.016	7.300	-0.029	10.942	0.389	10.954	0.358	10.977	0.147	10.990	0.008
7.311	-0.047	7.323	-0.015	7.335	0.047	7.348	0.021	11.002	-0.069	11.010	-0.118	11.019	-0.149	11.024	-0.194
7.356	0.110	7.370	0.087	7.390	0.011	7.408	-0.021	11.034	-0.207	11.046	-0.166	11.054	-0.139	11.059	-0.080
7.426	-0.031	7.443	-0.017	7.461	0.0	7.478	0.045	11.070	-0.044	11.078	0.010	11.085	0.046	11.091	0.092
7.494	0.099	7.502	0.130	7.513	0.144	7.532	0.121	11.099	0.128	11.106	0.173	11.116	0.173	11.124	0.160
7.553	0.053	7.567	-0.042	7.587	-0.091	7.602	-0.110	11.134	0.147	11.142	0.124	11.150	0.111	11.157	0.098
7.620	-0.083	7.638	-0.052	7.654	0.056	7.665	0.137	11.162	0.080	11.168	0.044	11.173	0.013	11.178	-0.005
7.674	0.199	7.689	0.244	7.704	0.217	7.722	0.081	11.181	-0.023	11.187	-0.050	11.191	-0.068	11.199	-0.090



11.204	-0.099	11.208	-0.126	11.217	-0.130	11.226	-0.103	13.220	0.165	13.227	0.224	13.234	0.278	13.245	0.305
11.232	-0.049	11.239	0.005	11.244	0.051	11.249	0.114	13.256	0.264	13.263	0.174	13.268	0.066	13.275	-0.019
11.255	0.150	11.264	0.164	11.270	0.164	11.277	0.137	13.281	-0.083	13.288	0.155	13.298	-0.222	13.308	-0.254
11.283	0.097	11.291	0.056	11.297	0.012	11.301	-0.038	13.318	-0.263	13.330	-0.231	13.340	-0.105	13.349	-0.010
11.305	-0.074	11.309	-0.105	11.315	-0.141	11.319	-0.173	13.356	0.084	13.365	0.233	13.378	0.305	13.390	0.372
11.325	-0.204	11.331	-0.213	11.335	-0.218	11.342	-0.218	13.399	0.390	13.411	0.323	13.418	0.215	13.426	0.098
11.351	-0.195	11.357	-0.177	11.363	-0.114	11.370	-0.069	13.434	-0.019	13.442	-0.137	13.448	-0.240	13.456	-0.312
11.376	-0.006	11.381	0.053	11.387	0.098	11.394	0.156	13.466	-0.362	13.471	-0.362	13.490	-0.290	13.502	-0.150
11.401	0.228	11.409	0.273	11.418	0.296	11.426	0.296	13.510	0.003	13.517	0.075	13.521	0.174	13.527	0.255
11.432	0.278	11.441	0.228	11.448	0.161	11.454	0.102	13.536	0.350	13.550	0.386	13.557	0.372	13.571	0.246
11.462	0.026	11.468	-0.028	11.471	-0.046	11.474	-0.060	13.579	0.183	13.585	0.125	13.595	-0.024	13.601	-0.101
11.481	-0.064	11.493	-0.078	11.501	-0.055	11.511	-0.028	13.610	-0.155	13.619	-0.159	13.631	-0.141	13.644	-0.114
11.481	-0.064	11.493	-0.078	11.501	-0.055	11.511	-0.028	13.610	-0.155	13.619	-0.159	13.631	-0.141	13.644	-0.114
11.520	0.008	11.531	0.026	11.538	0.035	11.549	0.035	13.650	-0.069	13.661	0.003	13.673	0.089	13.680	0.156
11.559	0.026	11.571	0.026	11.580	0.062	11.588	0.111	13.690	0.219	13.698	0.251	13.705	0.246	13.714	0.170
11.597	0.129	11.604	0.129	11.616	0.075	11.629	0.035	13.721	0.120	13.729	0.053	13.738	-0.006	13.754	-0.055
11.643	0.017	11.654	-0.015	11.667	-0.037	11.672	-0.055	13.770	-0.096	13.781	-0.087	13.797	-0.055	13.809	-0.051
11.685	-0.064	11.695	-0.064	11.707	-0.055	11.719	-0.055	13.818	-0.087	13.827	-0.078	13.833	-0.046	13.840	-0.019
11.734	-0.060	11.747	-0.074	11.758	-0.087	11.768	-0.110	13.858	0.017	13.866	0.003	13.876	-0.010	13.887	-0.015
11.779	-0.101	11.782	-0.087	11.795	-0.055	11.808	-0.010	13.896	-0.033	13.903	-0.069	13.909	-0.087	13.918	-0.096
11.819	0.044	11.830	0.102	11.840	0.143	11.849	0.161	13.927	-0.074	13.939	-0.028	13.949	-0.028	13.957	-0.051
11.855	0.192	11.866	0.224	11.875	0.233	11.888	0.183	13.965	-0.037	13.975	-0.024	13.980	-0.028	13.988	-0.042
11.897	0.125	11.904	0.084	11.906	0.048	11.913	0.026	13.996	-0.055	14.004	-0.101	14.008	-0.114	14.014	-0.119
11.922	-0.006	11.928	-0.028	11.933	-0.042	11.939	-0.069	14.024	-0.096	14.031	-0.033	14.040	-0.006	14.044	0.003
11.949	-0.096	11.965	-0.060	11.980	-0.037	11.997	-0.028	14.056	0.008	14.067	0.071	14.075	0.120	14.083	0.156
12.012	-0.037	12.021	-0.051	12.036	-0.042	12.048	0.035	14.093	0.156	14.098	0.170	14.110	0.219	14.120	0.219
12.056	0.152	12.062	0.224	12.069	0.282	12.079	0.323	14.129	0.192	14.136	0.161	14.145	0.102	14.152	0.057
12.087	0.314	12.096	0.251	12.105	0.174	12.108	0.098	14.160	0.003	14.164	-0.010	14.176	-0.033	14.185	-0.051
12.120	-0.083	12.127	-0.155	12.133	-0.213	12.145	-0.249	14.202	-0.069	14.213	0.030	14.224	0.125	14.234	0.206
12.161	-0.218	12.172	-0.200	12.189	-0.159	12.199	-0.078	14.245	-0.246	14.253	0.264	14.257	0.260	14.269	0.197
12.210	-0.019	12.223	0.116	12.230	0.206	12.235	0.251	14.281	0.107	14.290	0.026	14.301	-0.028	14.309	-0.114
12.243	0.287	12.259	0.300	12.269	0.251	12.278	0.156	14.318	-0.150	14.330	-0.186	14.342	-0.195	14.354	-0.204
12.283	0.080	12.295	-0.028	12.301	-0.064	12.307	0.127	14.368	-0.200	14.378	-0.155	14.387	-0.087	14.398	-0.015
12.316	-0.217	12.325	-0.249	12.336	-0.271	12.346	-0.267	14.408	0.048	14.423	0.102	14.433	0.143	14.442	0.161
12.385	0.085	12.390	0.135	12.399	0.211	12.411	0.279	14.450	0.165	14.460	0.125	14.471	0.044	14.478	-0.010
12.423	0.284	12.433	0.225	12.445	0.149	12.453	0.081	14.485	-0.046	14.493	-0.114	14.504	-0.150	14.514	-0.177
12.462	0.014	12.468	-0.013	12.478	-0.017	12.490	0.001	14.525	-0.182	14.533	-0.177	14.542	-0.164	14.552	-0.137
12.505	0.041	12.516	0.033	12.526	-0.012	12.535	-0.021	14.560	-0.078	14.567	-0.028	14.576	0.017	14.586	0.030
12.544	-0.035	12.556	-0.034	12.568	0.024	12.576	0.051	14.597	0.030	14.608	-0.010	14.618	-0.055	14.625	-0.087
12.588	0.110	12.600	0.133	12.612	0.092	12.623	0.034	14.631	-0.105	14.638	-0.119	14.645	-0.132	14.658	-0.110
12.634	-0.052	12.641	-0.114	12.645	-0.150	12.655	-0.204	14.669	-0.069	14.679	0.026	14.690	0.093	14.699	0.143
12.664	-0.227	12.673	-0.236	12.687	-0.141	12.699	-0.019	14.708	0.161	14.717	0.165	14.720	0.161	14.729	0.125
12.708	0.017	12.723	0.170	12.733	0.210	12.744	0.228	14.735	0.080	14.744	0.021	14.748	-0.024	14.756	-0.078
12.758	0.206	12.775	0.174	12.787	0.107	12.799	0.039	14.760	-0.114	14.768	-0.150	14.775	-0.186	14.783	-0.209
12.805	-0.033	12.820	-0.087	12.830	-0.096	12.837	-0.101	14.787	-0.213	14.799	-0.177	14.807	-0.101	14.813	-0.010
12.847	-0.106	12.857	-0.092	12.872	-0.063	12.881	-0.016	14.820	0.080	14.835	0.233	14.840	0.273	14.840	0.273
12.891	0.029	12.900	0.056	12.908	0.123	12.914	0.173	14.847	0.327	14.856	0.363	14.866	0.372	14.879	0.264
12.924	0.218	12.936	0.236	12.942	0.231	12.954	0.213	14.889	0.138	14.898	0.044	14.904	-0.042	14.910	-0.141
12.961	0.177	12.966	0.132	12.972	0.100	12.978	0.037	14.919	-0.209	14.930	-0.209	14.934	-0.191	14.949	-0.159
12.961	0.177	12.966	0.132	12.972	0.100	12.978	0.037	14.961	-0.087	14.969	0.021	14.976	0.170	14.985	0.269
13.014	-0.247	13.029	-0.229	13.044	-0.112	13.048	-0.027	14.993	0.354	15.003	0.386	15.008	0.386	15.019	0.336
13.060	0.059	13.065	0.126	13.071	0.189	13.077	0.243	15.025	0.269	15.032	0.170	15.037	0.092	15.041	0.044
13.087	0.265	13.095	0.252	13.105	0.189	13.110	0.144	15.047	-0.064	15.054	-0.146	15.062	-0.218	15.068	-0.258
13.119	0.062	13.128	-0.041	13.140	-0.158	13.146	-0.244	15.077	-0.294	15.087	-0.299	15.105	-0.240	15.117	-0.096
13.154	-0.303	13.163	-0.366	13.172	-0.397	13.182	-0.389	15.127	0.026	15.139	0.008	15.152	0.034	15.162	0.062
13.193	-0.303	13.200	-0.164	13.206	-0.055	13.214	0.075	15.177	-0.055	15.190	-0.037	15.199	-0.087	15.206	-0.132
								15.216	-0.159	15.229	-0.168	15.243	-0.123	15.258	-0.064



15.270	-0.001	15.279	0.062	15.291	0.138	15.301	0.152	17.966	0.026	17.978	0.057	17.993	0.053	18.003	0.035
15.311	0.142	15.323	0.111	15.329	0.057	15.339	-0.002	18.013	0.030	18.029	0.035	18.044	0.017	18.056	0.003
15.352	-0.052	15.372	-0.075	15.393	-0.093	15.408	-0.034	18.069	0.003	18.077	-0.035	18.085	-0.024	18.095	-0.078
15.423	0.064	15.426	0.145	15.441	0.222	15.452	0.240	18.110	-0.119	18.123	-0.123	18.141	-0.092	18.158	-0.002
15.460	0.230	15.473	0.185	15.485	0.131	15.499	0.086	18.165	0.065	18.175	0.123	18.186	0.173	18.198	0.195
15.508	0.072	15.517	0.032	15.520	0.014	15.530	-0.032	18.210	-0.199	18.216	0.181	18.229	0.082	18.244	-0.022
15.542	-0.045	15.556	-0.023	15.572	0.040	15.584	0.098	18.261	-0.117	18.286	-0.176	18.297	-0.154	18.322	-0.046
15.595	0.152	15.603	0.161	15.611	0.147	15.626	0.062	18.346	0.021	18.365	0.049	18.381	0.090	18.388	0.099
15.641	0.003	15.650	-0.046	15.664	-0.078	15.679	-0.105	18.402	0.085	18.402	0.081	18.424	0.041	18.446	0.014
15.691	-0.064	15.706	0.012	15.716	0.062	15.726	0.116	18.462	0.001	18.483	0.028	18.505	0.073	18.525	0.119
15.741	0.165	15.746	0.143	15.758	0.089	15.769	0.066	18.543	0.164	18.559	0.146	18.570	0.097	18.579	0.056
15.779	0.035	15.779	-0.001	15.791	-0.037	15.799	-0.078	18.591	0.021	18.603	0.007	18.615	-0.011	18.630	-0.028
15.812	-0.119	15.823	-0.132	15.843	-0.136	15.853	-0.118	18.652	-0.069	18.667	-0.096	18.677	-0.110	18.691	-0.114
15.865	-0.077	15.885	-0.050	15.900	-0.041	15.910	-0.018	18.704	-0.051	18.719	-0.010	18.734	0.030	18.747	0.057
15.927	-0.014	15.936	-0.036	15.950	-0.063	15.961	-0.090	18.762	0.035	18.777	0.001	18.787	-0.064	18.801	-0.141
15.968	-0.117	15.976	-0.112	15.989	-0.076	16.002	-0.017	18.809	-0.164	18.830	-0.128	18.844	-0.096	18.860	-0.029
16.013	0.001	16.029	0.037	16.036	0.025	16.048	0.010	18.869	0.025	18.880	0.106	18.898	0.146	18.909	0.137
16.060	-0.008	16.068	-0.030	16.077	-0.025	16.089	-0.007	18.939	0.006	18.953	-0.035	18.969	-0.058	18.993	-0.053
16.104	-0.025	16.118	-0.047	16.125	-0.043	16.140	-0.020	19.010	0.009	19.022	0.054	19.033	0.090	19.047	0.108
16.154	-0.006	16.163	-0.006	16.178	0.039	16.193	0.039	19.062	0.103	19.074	0.081	19.080	0.063	19.095	0.026
16.205	0.030	16.212	0.039	16.225	0.093	16.238	0.179	19.104	-0.101	19.113	-0.019	19.125	-0.042	19.146	-0.033
16.249	0.129	16.265	0.228	16.281	0.224	16.291	0.183	19.164	0.021	19.177	0.035	19.185	0.035	19.201	0.004
16.303	0.197	16.317	0.066	16.328	0.030	16.338	0.017	19.214	-0.072	19.234	-0.139	19.242	-0.170	19.254	-0.206
16.342	0.008	16.358	0.044	16.370	0.103	16.381	0.157	19.266	-0.201	19.284	-0.169	19.300	-0.101	19.314	-0.024
16.393	0.184	16.402	0.220	16.414	0.220	16.426	0.189	19.324	0.017	19.340	0.053	19.357	0.075	19.369	0.098
16.436	0.149	16.450	0.104	16.461	0.059	16.477	0.010	19.391	0.071	19.413	0.053	19.422	0.039	19.446	-0.033
16.495	-0.049	16.510	-0.062	16.527	-0.066	16.543	-0.079	19.458	0.046	19.470	-0.051	19.488	-0.033	19.506	0.012
16.554	-0.093	16.573	-0.106	16.584	-0.115	16.600	-0.142	19.532	0.071	19.556	0.102	19.572	0.116	19.592	0.102
16.608	-0.151	16.624	-0.173	16.642	-0.159	16.652	-0.141	19.603	0.071	19.621	0.066	19.638	0.062	19.660	0.066
16.661	-0.114	16.672	-0.074	16.683	-0.051	16.694	0.003	19.675	0.043	19.691	-0.025	19.707	-0.043	19.723	-0.057
16.702	0.089	16.710	0.152	16.719	0.233	16.731	0.228	19.745	-0.018	19.760	0.068	19.768	0.121	19.788	0.157
16.744	0.197	16.755	0.116	16.761	0.053	16.768	-0.019	19.805	0.161	19.812	0.143	19.827	0.156	19.841	0.034
16.774	-0.087	16.782	-0.150	16.792	-0.195	16.798	-0.213	19.860	0.038	19.878	-0.115	19.890	-0.102	19.906	-0.161
16.805	-0.227	16.822	-0.209	16.833	-0.173	16.846	-0.105	19.913	-0.080	19.925	-0.003	19.938	0.091	19.951	0.136
16.857	-0.016	16.868	0.128	16.875	0.218	16.885	0.317	19.963	0.140	19.976	0.077	19.986	0.023	19.997	-0.067
16.898	0.380	16.911	0.362	16.914	0.339	16.925	0.281	20.007	-0.140	20.023	-0.198	20.037	-0.203	20.042	-0.199
16.935	0.191	16.943	0.109	16.952	0.064	16.966	0.028	20.056	-0.158	20.069	-0.109	20.080	-0.037	20.090	0.021
16.983	0.019	17.001	-0.009	17.016	-0.027	17.028	-0.027	20.105	0.037	20.119	0.070	20.134	0.029	20.151	-0.070
17.046	0.031	17.057	0.085	17.070	0.148	17.090	0.170	20.163	-0.124	20.176	-0.147	20.196	-0.166	20.221	-0.121
17.105	0.148	17.120	0.107	17.128	0.089	17.141	0.044	20.237	-0.027	20.259	0.058	20.275	0.134	20.291	0.161
17.158	-0.001	17.169	-0.060	17.183	-0.074	17.204	-0.110	20.303	0.161	20.323	0.133	20.346	0.106	20.361	0.070
17.219	-0.119	17.240	-0.087	17.254	-0.028	17.263	-0.006	20.378	0.047	20.395	0.002	20.411	-0.021	20.429	-0.021
17.275	0.048	17.287	0.089	17.301	0.125	17.309	0.098	20.450	0.024	20.465	0.095	20.478	0.136	20.496	0.113
17.320	0.066	17.337	0.003	17.348	-0.064	17.357	-0.128	20.509	0.036	20.521	-0.040	20.531	-0.099	20.543	-0.140
17.436	-0.001	17.453	0.030	17.464	0.030	17.465	0.037	20.562	-0.158	20.576	-0.136	20.587	-0.077	20.604	-0.014
17.479	0.080	17.491	0.129	17.503	0.152	17.514	0.143	20.617	0.053	20.629	0.134	20.642	0.156	20.653	0.161
17.521	0.120	17.532	0.089	17.541	0.053	17.551	0.035	20.671	0.120	20.681	0.057	20.697	0.012	20.716	-0.037
17.560	0.035	17.577	0.080	17.592	0.125	17.597	0.156	20.731	-0.042	20.753	-0.024	20.771	0.035	20.781	0.071
17.622	0.138	17.634	0.111	17.646	0.052	17.655	0.007	20.793	0.084	20.811	-0.035	20.824	-0.051	20.836	-0.146
17.665	-0.029	17.676	-0.057	17.691	-0.066	17.701	-0.057	20.851	-0.196	20.863	-0.228	20.874	-0.224	20.886	-0.175
17.714	-0.022	17.729	0.037	17.738	0.077	17.750	0.113	20.901	-0.099	20.917	-0.014	20.934	0.039	20.954	-0.079
17.762	0.126	17.776	0.112	17.791	0.093	17.803	0.057	20.980	-0.046	20.993	-0.069	21.012	-0.049	21.025	-0.076
17.809	0.030	17.824	0.012	17.836	0.030	17.854	0.039	21.046	-0.099	21.072	-0.069	21.088	-0.024	21.107	0.020
17.869	0.017	17.879	-0.001	17.889	-0.010	17.904	-0.033	21.122	0.037	21.140	0.032	21.158	0.0	21.163	0.0
17.914	-0.060	17.924	-0.064	17.940	-0.060	17.954	-0.028	21.181	0.008	21.200	0.039	21.212	0.056	21.228	0.028
								21.243	0.001	21.265	-0.068	21.288	-0.078	21.315	-0.061



21.340	-0.013	21.355	0.036	21.371	0.067	21.381	0.093	25.320	-0.069	25.329	-0.092	25.345	-0.114	25.359	-0.128
21.398	0.083	21.413	0.042	21.428	0.014	21.440	-0.031	25.371	0.123	25.389	-0.092	25.425	0.003	25.443	0.030
21.456	-0.068	21.468	-0.109	21.484	-0.124	21.503	-0.084	25.458	-0.017	25.486	-0.024	25.509	-0.064	25.523	-0.051
21.521	-0.022	21.537	0.058	21.554	0.066	21.574	-0.001	25.543	-0.015	25.577	0.071	25.591	0.111	25.606	0.116
21.592	-0.041	21.610	-0.141	21.626	-0.132	21.654	-0.083	25.622	0.093	25.651	-0.026	25.675	-0.015	25.699	-0.019
21.669	0.012	21.686	0.107	21.702	0.134	21.718	0.125	25.736	-0.019	25.761	-0.024	25.777	-0.028	25.802	-0.019
21.742	0.044	21.764	-0.019	21.777	-0.064	21.803	-0.060	25.818	-0.019	25.833	-0.024	25.851	-0.037	25.872	-0.060
21.818	-0.080	21.847	0.053	21.860	0.084	21.862	0.080	25.890	-0.069	25.917	-0.083	25.926	-0.092	25.945	-0.087
21.866	0.019	21.888	0.080	21.871	0.089	21.875	0.080	25.956	-0.092	25.975	-0.128	25.982	-0.101	26.004	-0.024
21.886	0.057	21.901	0.012	21.915	-0.006	21.948	-0.006	26.071	0.035	26.094	0.057	26.104	0.057	26.143	0.003
21.961	-0.033	21.995	-0.114	22.010	-0.137	22.044	-0.132	26.170	-0.024	26.195	-0.037	26.207	-0.037	26.225	-0.006
22.047	-0.110	22.069	-0.101	22.091	-0.096	22.102	-0.105	26.231	0.003	26.254	0.057	26.267	0.057	26.281	0.057
22.126	-0.159	22.138	-0.182	22.151	-0.168	22.170	-0.128	26.303	0.017	26.330	-0.024	26.344	-0.042	26.366	-0.019
22.194	-0.046	22.209	-0.006	22.227	0.030	22.239	0.044	26.393	0.036	26.411	0.045	26.429	0.037	26.472	-0.008
22.258	0.008	22.295	-0.119	22.310	-0.155	22.330	-0.114	26.492	-0.021	26.513	0.024	26.538	0.036	26.552	0.061
22.349	-0.042	22.373	0.080	22.387	0.089	22.406	0.039	26.561	-0.043	26.576	0.020	26.607	-0.065	26.622	-0.092
22.440	-0.114	22.454	-0.150	22.475	-0.123	22.493	-0.055	26.637	0.105	26.659	-0.083	26.680	-0.037	26.709	0.017
22.515	0.035	22.533	0.062	22.549	0.039	22.595	-0.132	26.725	0.030	26.763	0.030	26.778	-0.001	26.804	-0.074
22.611	-0.173	22.623	-0.159	22.650	-0.092	22.675	0.002	26.821	-0.105	26.832	-0.101	26.852	-0.074	26.881	-0.001
22.689	0.033	22.716	0.022	22.738	-0.001	22.752	-0.047	26.901	0.030	26.917	0.039	26.933	0.048	26.944	0.035
22.771	-0.075	22.790	-0.068	22.806	-0.060	22.825	-0.015	26.966	0.003	26.988	-0.037	27.003	-0.037	27.018	-0.033
22.850	-0.001	22.869	0.008	22.884	0.003	22.904	-0.019	27.051	0.026	27.076	0.044	27.100	0.012	27.116	-0.037
22.927	-0.060	22.953	-0.092	22.958	-0.074	22.987	-0.042	27.140	-0.101	27.155	-0.123	27.176	-0.096	27.200	-0.024
23.007	-0.051	23.023	-0.060	23.037	-0.051	23.046	-0.046	27.215	0.008	27.229	0.021	27.250	-0.001	27.263	-0.028
23.059	-0.033	23.067	-0.033	23.079	-0.042	23.093	-0.051	27.288	-0.078	27.307	-0.101	27.327	-0.101	27.343	-0.078
23.109	-0.069	23.121	-0.083	23.132	-0.092	23.143	-0.083	27.364	-0.028	27.390	0.003	27.406	0.012	27.422	-0.010
23.157	-0.074	23.169	-0.078	23.180	-0.096	23.195	-0.128	27.463	-0.055	27.489	-0.064	27.514	-0.033	27.540	-0.010
23.207	-0.146	23.217	-0.137	23.236	-0.096	23.256	-0.033	27.572	-0.037	27.587	-0.028	27.623	0.008	27.641	0.003
23.270	-0.010	23.285	-0.006	23.299	-0.015	23.314	-0.046	27.670	-0.002	27.700	0.015	27.725	0.001	27.748	0.018
23.340	-0.132	23.356	-0.187	23.425	-0.052	23.439	-0.003	27.786	0.049	27.805	0.057	27.816	0.039	27.832	0.003
23.388	-0.187	23.404	-0.129	23.472	0.046	23.487	0.019	27.853	-0.056	27.874	-0.088	27.886	-0.070	27.906	-0.031
23.451	0.033	23.461	0.051	23.472	0.046	23.487	0.019	27.923	0.006	27.937	0.010	27.952	0.001	27.968	-0.043
23.523	-0.121	23.538	-0.166	23.553	-0.185	23.569	-0.176	27.991	-0.094	28.013	-0.144	28.027	-0.149	28.043	-0.122
23.585	-0.144	23.612	-0.037	23.630	-0.001	23.638	-0.001	28.075	-0.055	28.088	-0.046	28.105	-0.051	28.131	-0.069
23.652	-0.024	23.693	-0.128	23.705	-0.155	23.717	-0.150	28.159	-0.092	28.187	-0.110	28.205	-0.114	28.221	-0.101
23.737	-0.123	23.753	-0.083	23.777	-0.015	23.789	0.008	28.250	-0.078	28.265	-0.069	28.287	-0.087	28.309	-0.096
23.807	0.101	23.818	0.003	23.840	-0.074	23.860	-0.101	28.329	-0.087	28.364	-0.056	28.385	-0.048	28.406	-0.025
23.870	-0.101	23.887	-0.074	23.911	-0.037	23.927	-0.024	28.415	-0.039	28.439	-0.071	28.457	-0.085	28.469	-0.085
23.945	-0.015	23.951	-0.028	23.983	-0.101	23.996	-0.123	28.484	-0.058	28.510	0.0	28.525	0.0	28.538	0.004
24.010	-0.110	24.031	-0.087	24.055	-0.055	24.073	-0.042	28.552	-0.005	28.564	-0.023	28.576	-0.046	28.600	-0.114
24.159	-0.155	24.186	-0.074	24.205	-0.033	24.218	-0.024	28.616	-0.132	28.626	-0.141	28.638	-0.132	28.670	-0.087
24.231	-0.046	24.249	-0.083	24.276	-0.150	24.293	-0.159	28.705	-0.015	28.720	-0.006	28.732	-0.015	28.751	-0.037
24.309	-0.155	24.324	-0.123	24.348	-0.074	24.363	-0.060	28.775	-0.069	28.791	-0.083	28.807	-0.078	28.833	-0.029
24.384	-0.069	24.407	-0.101	24.427	-0.110	24.441	-0.087	28.852	0.002	28.865	0.016	28.873	0.007	28.900	-0.025
24.469	-0.006	24.484	0.017	24.501	0.003	24.535	-0.064	28.927	-0.080	28.942	-0.098	28.958	-0.103	28.978	-0.094
24.554	-0.119	24.567	-0.146	24.577	-0.141	24.598	-0.105	28.996	-0.076	29.011	-0.049	29.026	-0.045	29.038	-0.059
24.634	-0.037	24.657	-0.001	24.673	0.008	24.686	-0.001	29.056	-0.090	29.083	-0.149	29.095	-0.168	29.108	-0.159
24.704	-0.033	24.729	-0.096	24.749	-0.137	24.761	-0.141	29.140	-0.119	29.168	-0.065	29.182	-0.052	29.192	-0.077
24.781	-0.128	24.803	-0.096	24.821	-0.042	24.837	-0.011	29.206	-0.044	29.239	-0.076	29.260	-0.090	29.278	-0.077
24.858	0.007	24.875	0.002	24.897	-0.030	24.920	-0.084	29.301	-0.051	29.323	-0.025	29.340	-0.016	29.354	-0.016
24.939	-0.111	24.953	-0.102	24.993	-0.053	25.020	0.005	29.365	-0.030	29.381	-0.053	29.399	-0.063	29.422	-0.050
25.032	0.014	25.043	0.004	25.074	-0.041	25.094	-0.077	29.438	-0.019	29.456	-0.001	29.467	0.012	29.484	0.016
25.107	-0.086	25.130	-0.069	25.151	-0.046	25.163	-0.024	29.498	-0.002	29.513	-0.021	29.530	-0.057	29.554	-0.081
25.179	-0.019	25.194	-0.028	25.212	-0.042	25.230	-0.046	29.572	-0.068	29.614	-0.060	29.633	-0.083	29.659	-0.105
25.250	-0.060	25.268	-0.074	25.284	-0.060	25.305	-0.060	29.677	-0.087	29.705	-0.060	29.729	-0.033	29.747	-0.019
								29.766	-0.028	29.795	-0.064	29.821	-0.078	29.843	-0.061



29.863	-0.038	29.894	-0.034	29.949	-0.031	29.980	-0.013	34.604	-0.051	34.622	-0.055	34.644	-0.064	34.668	-0.074
30.045	-0.018	30.069	-0.019	30.098	-0.051	30.133	-0.073	34.685	-0.069	34.709	-0.046	34.728	-0.037	34.741	-0.037
30.154	-0.064	30.181	-0.050	30.201	-0.031	30.212	-0.031	34.760	-0.064	34.779	-0.096	34.800	-0.123	34.817	-0.132
30.234	-0.039	30.278	-0.052	30.300	-0.060	30.324	-0.056	34.837	-0.110	34.856	-0.087	34.872	-0.055	34.894	-0.037
30.348	-0.038	30.375	-0.025	30.394	-0.025	30.410	-0.030	34.915	-0.046	34.950	-0.051	35.018	-0.042		
30.432	-0.048	30.451	-0.049	30.467	-0.062	30.489	-0.094								
30.504	-0.103	30.527	-0.068	30.562	-0.019	30.578	-0.010								
30.605	-0.015	30.621	-0.033	30.637	-0.046	30.651	-0.037								
30.681	-0.024	30.706	-0.001	30.737	0.026	30.751	0.030								
30.766	0.017	30.785	0.003	30.807	-0.029	30.827	-0.060								
30.843	0.070	30.871	-0.052	30.903	-0.021	30.919	-0.012								
30.937	-0.026	30.997	-0.049	31.027	-0.068	31.062	-0.095								
31.079	-0.114	31.110	-0.100	31.142	-0.078	31.167	-0.055								
31.178	-0.051	31.191	-0.060	31.226	-0.105	31.241	-0.132								
31.256	-0.123	31.277	-0.083	31.300	-0.042	31.313	-0.051								
31.338	-0.083	31.365	-0.092	31.386	-0.070	31.424	-0.017								
31.439	-0.012	31.454	-0.026	31.490	-0.067	31.518	-0.090								
31.533	-0.072	31.574	-0.023	31.591	-0.001	31.606	-0.010								
31.632	-0.043	31.665	-0.102	31.674	-0.103	31.693	-0.077								
31.722	-0.033	31.727	-0.025	31.742	-0.039	31.781	-0.054								
31.814	-0.087	31.838	-0.105	31.858	-0.092	31.877	-0.105								
31.897	-0.096	31.917	-0.105	31.937	-0.123	31.968	-0.087								
31.990	-0.046	32.034	-0.042	32.051	-0.051	32.071	-0.064								
32.100	-0.101	32.118	-0.110	32.152	-0.074	32.185	-0.046								
32.211	-0.028	32.233	-0.037	32.257	-0.064	32.285	-0.096								
32.304	-0.105	32.350	-0.051	32.370	-0.037	32.389	-0.046								
32.412	-0.074	32.445	-0.114	32.465	-0.114	32.481	-0.119								
32.495	-0.105	32.523	-0.083	32.542	-0.069	32.573	-0.092								
32.612	-0.112	32.617	-0.107	32.634	-0.113	32.666	-0.118								
32.693	-0.118	32.701	-0.127	32.719	-0.140	32.728	-0.148								
32.740	-0.139	32.762	-0.120	32.778	-0.102	32.791	-0.088								
32.803	-0.083	32.821	-0.096	32.843	-0.114	32.856	-0.119								
32.880	-0.119	32.892	-0.115	32.902	-0.106	32.918	-0.079								
32.932	-0.062	32.943	-0.053	32.955	-0.053	32.968	-0.058								
32.988	-0.081	33.006	-0.103	33.024	-0.126	33.040	-0.140								
33.049	-0.149	33.067	-0.131	33.084	-0.118	33.108	-0.091								
33.123	-0.083	33.137	-0.092	33.160	-0.110	33.174	-0.119								
33.186	-0.114	33.205	-0.101	33.219	-0.083	33.237	-0.074								
33.253	-0.078	33.264	-0.087	33.283	-0.096	33.303	-0.101								
33.314	-0.110	33.330	-0.101	33.348	-0.083	33.367	-0.064								
33.386	-0.051	33.400	-0.042	33.415	-0.051	33.433	-0.074								
33.453	-0.105	33.473	-0.132	33.484	-0.137	33.500	-0.128								
33.516	-0.110	33.538	-0.078	33.552	-0.060	33.562	-0.064								
33.582	-0.078	33.599	-0.092	33.617	-0.101	33.635	-0.110								
33.658	-0.110	33.673	-0.101	33.690	-0.083	33.716	-0.056								
33.734	-0.039	33.750	-0.021	33.763	-0.026	33.786	-0.036								
33.830	-0.033	33.857	-0.043	33.880	-0.052	33.898	-0.043								
33.917	-0.030	33.936	-0.026	33.950	-0.026	33.967	-0.045								
33.983	-0.072	34.004	-0.090	34.019	-0.095	34.036	-0.082								
34.055	-0.069	34.075	-0.064	34.093	-0.078	34.117	-0.105								
34.135	-0.123	34.151	-0.128	34.175	-0.114	34.196	-0.114								
34.221	-0.110	34.233	-0.105	34.254	-0.092	34.269	-0.087								
34.284	-0.092	34.304	-0.101	34.319	-0.101	34.337	-0.087								
34.362	-0.074	34.380	-0.060	34.401	-0.055	34.414	-0.055								
34.439	-0.074	34.452	-0.083	34.470	-0.069	34.495	-0.037								
34.511	-0.024	34.521	-0.019	34.545	-0.028	34.569	-0.042								



71-228 2/9/71 0600PST SAN DIEGO GAS AND ELECTRIC 85MT. NORTH

11118 POINTS 27.750 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 0.0184 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	0.012	0.023	0.024	0.046	0.020	0.071	0.020	3.815	0.034	3.835	0.025	3.873	-0.015	3.900	-0.015	3.939	-0.021
0.109	0.020	0.142	0.020	0.162	0.020	0.188	0.023	3.916	-0.016	3.939	-0.016	3.969	-0.016	3.994	-0.021	4.027	-0.021
0.214	0.039	0.243	0.043	0.264	0.047	0.284	0.047	4.005	-0.021	4.027	-0.021	4.049	-0.021	4.063	-0.021	4.085	-0.010
0.310	0.055	0.339	0.066	0.365	0.061	0.392	0.061	4.085	-0.010	4.110	-0.002	4.133	0.018	4.161	0.022	4.183	0.029
0.411	0.057	0.428	0.036	0.443	0.036	0.459	0.036	4.085	-0.010	4.206	0.037	4.224	0.049	4.243	0.041	4.262	0.032
0.475	0.027	0.489	0.027	0.501	0.011	0.518	0.010	4.262	0.032	4.280	0.021	4.307	0.020	4.325	0.020	4.345	0.020
0.536	0.010	0.560	0.005	0.582	0.009	0.606	0.020	4.345	0.020	4.368	0.004	4.392	0.004	4.411	-0.013	4.432	-0.013
0.629	0.027	0.652	0.034	0.676	0.033	0.700	0.032	4.432	-0.013	4.450	-0.005	4.474	0.003	4.500	0.006	4.523	0.013
0.726	0.039	0.745	0.039	0.774	0.034	0.791	0.021	4.523	0.013	4.553	0.022	4.575	0.021	4.605	0.013	4.634	0.013
0.815	0.016	0.832	-0.000	0.858	-0.013	0.878	-0.014	4.634	0.013	4.663	0.017	4.692	0.017	4.710	0.021	4.738	0.033
0.897	-0.014	0.922	-0.015	0.954	-0.016	0.972	-0.016	4.738	0.033	4.759	0.033	4.780	0.025	4.803	0.013	4.838	0.017
1.001	-0.001	1.032	0.002	1.054	0.005	1.084	0.012	4.838	0.017	4.863	-0.017	4.882	0.018	4.907	0.010	4.937	0.010
1.102	0.023	1.123	0.027	1.144	0.038	1.167	0.058	4.937	0.010	4.959	-0.002	4.981	-0.005	5.008	0.003	5.040	0.015
1.184	0.061	1.220	0.053	1.220	0.041	1.241	0.036	5.040	0.015	5.069	0.007	5.096	0.007	5.126	0.019	5.148	0.032
1.268	0.024	1.287	0.024	1.308	0.019	1.325	0.019	5.148	0.032	5.174	0.051	5.200	0.052	5.224	0.032	5.243	0.036
1.343	0.014	1.366	-0.002	1.390	-0.006	1.419	0.002	5.243	0.032	5.264	0.036	5.282	0.048	5.307	0.064	5.331	0.056
1.453	0.001	1.479	-0.007	1.496	-0.007	1.520	-0.003	5.331	0.056	5.356	0.044	5.377	0.016	5.430	0.020	5.458	0.016
1.550	0.001	1.567	0.001	1.590	0.000	1.609	-0.004	5.458	0.016	5.488	0.044	5.512	0.040	5.537	0.028	5.572	0.024
1.627	-0.008	1.644	-0.008	1.662	0.012	1.693	0.028	5.534	0.040	5.553	0.044	5.572	0.040	5.597	0.024	5.618	0.012
1.712	0.028	1.735	0.024	1.752	0.024	1.776	0.024	5.618	0.012	5.650	0.012	5.669	0.012	5.693	-0.004	5.716	0.012
1.801	0.024	1.818	0.012	1.837	-0.004	1.868	-0.028	5.716	0.012	5.740	0.000	5.766	-0.004	5.794	-0.004	5.822	0.000
1.894	-0.008	1.915	0.000	1.946	0.004	1.979	0.012	5.822	0.004	5.862	0.020	5.890	0.020	5.918	0.012	5.946	0.000
1.995	0.039	2.032	0.055	2.061	0.047	2.085	0.047	5.951	0.016	5.979	0.004	6.007	0.000	6.030	0.000	6.057	0.000
2.111	0.047	2.137	0.046	2.162	0.038	2.187	0.030	6.057	0.016	6.086	0.020	6.117	0.036	6.149	0.048	6.179	0.008
2.215	0.010	2.245	-0.007	2.265	-0.007	2.299	0.013	6.181	0.028	6.214	0.008	6.246	0.008	6.277	0.008	6.308	-0.008
2.323	0.012	2.347	-0.004	2.375	-0.005	2.398	-0.005	6.311	-0.008	6.334	-0.020	6.364	-0.024	6.386	-0.024	6.422	-0.008
2.444	0.003	2.447	0.006	2.471	0.010	2.489	0.017	6.412	-0.024	6.438	-0.020	6.472	-0.008	6.503	-0.008	6.547	0.008
2.508	0.001	2.530	-0.007	2.555	-0.007	2.578	-0.008	6.523	-0.004	6.547	0.008	6.566	0.012	6.595	0.021	6.637	0.003
2.603	-0.000	2.625	0.004	2.646	0.015	2.673	0.019	6.617	0.025	6.641	0.009	6.677	-0.003	6.713	0.002	6.744	0.038
2.703	0.023	2.724	0.022	2.752	0.026	2.778	0.018	6.741	0.006	6.764	0.014	6.794	0.026	6.821	0.038	6.848	0.048
2.803	0.033	2.822	0.033	2.844	0.017	2.870	0.013	6.848	0.055	6.874	0.039	6.900	0.040	6.936	0.048	6.964	0.030
2.899	0.025	2.925	0.005	2.946	0.005	2.967	0.013	6.964	0.025	6.989	0.013	7.024	0.034	7.044	0.030	7.073	0.030
2.987	0.013	3.011	0.012	3.031	0.008	3.054	0.016	7.073	0.030	7.119	0.030	7.150	0.030	7.150	0.030	7.150	0.030
3.074	0.020	3.103	0.004	3.128	0.008	3.162	0.016	7.183	0.034	7.208	0.038	7.234	0.030	7.262	0.030	7.283	0.025
3.194	0.028	3.229	0.036	3.253	0.032	3.276	0.033	7.296	0.030	7.327	0.029	7.354	0.020	7.383	0.025	7.411	-0.025
3.301	0.000	3.331	-0.012	3.357	0.004	3.380	0.003	7.406	0.004	7.426	-0.012	7.446	-0.020	7.471	-0.025	7.501	-0.014
3.403	-0.001	3.425	-0.007	3.453	0.030	3.476	0.006	7.494	-0.021	7.524	-0.017	7.551	-0.014	7.573	-0.014	7.593	-0.014
3.500	-0.014	3.523	-0.019	3.548	-0.015	3.570	-0.003	7.618	-0.010	7.655	0.005	7.687	-0.011	7.712	-0.015	7.742	-0.015
3.596	0.016	3.628	0.027	3.652	0.010	3.685	-0.002	7.755	-0.009	7.783	0.016	7.820	0.028	7.850	0.032	7.880	-0.011
3.708	-0.011	3.730	0.020	3.762	0.031	3.795	0.034	7.888	0.020	7.922	0.001	7.946	0.005	7.980	-0.011		



8.006	-0.011	8.043	0.009	8.075	0.005	8.102	0.006	13.663	0.007	13.689	0.010	13.721	0.017	13.747	0.017
8.132	0.006	8.149	0.014	8.177	0.019	8.213	0.019	13.784	0.015	13.817	0.018	13.851	0.025	13.877	0.023
8.243	0.019	8.263	0.016	8.281	0.016	8.313	0.032	13.901	0.014	13.930	0.000	13.961	-0.002	13.988	-0.010
8.341	0.036	8.364	0.041	8.392	0.033	8.419	0.025	14.010	-0.010	14.037	-0.014	14.065	-0.018	14.091	-0.021
8.448	0.030	8.473	0.022	8.505	-0.006	8.529	0.013	14.115	-0.017	14.141	-0.017	14.169	-0.017	14.192	-0.009
8.550	-0.013	8.573	0.003	8.594	0.019	8.611	0.023	14.216	-0.006	14.243	0.010	14.270	0.009	14.296	0.016
8.641	-0.004	8.677	0.004	8.703	0.004	8.724	0.004	14.326	0.023	14.351	0.023	14.377	0.023	14.406	0.014
8.747	0.005	8.790	-0.011	8.818	-0.015	8.848	0.011	14.440	-0.011	14.468	0.011	14.488	0.007	14.507	-0.000
8.875	-0.022	8.905	-0.018	8.929	-0.006	8.958	0.010	14.520	-0.004	14.540	-0.008	14.561	-0.016	14.584	-0.015
8.984	-0.002	9.013	-0.001	9.038	0.007	9.059	0.011	14.607	-0.015	14.633	-0.019	14.662	-0.014	14.691	-0.010
9.096	-0.005	9.137	-0.000	9.170	0.008	9.209	0.012	14.717	-0.002	14.747	0.006	14.781	-0.002	14.811	-0.001
9.241	0.001	9.270	0.009	9.307	0.013	9.336	0.001	14.842	-0.001	14.875	0.007	14.912	0.008	14.941	0.004
9.362	0.002	9.389	-0.001	9.414	-0.005	9.438	-0.004	14.971	0.004	15.001	0.004	15.029	-0.004	15.055	-0.008
9.469	-0.016	9.509	-0.015	9.533	-0.014	9.561	-0.009	15.092	-0.021	15.122	-0.020	15.157	-0.020	15.185	-0.020
9.593	-0.008	9.623	0.005	9.653	0.018	9.679	0.015	15.210	-0.015	15.245	-0.009	15.283	0.000	15.309	0.008
9.706	0.016	9.726	0.021	9.750	0.021	9.781	0.022	15.333	0.016	15.358	0.032	15.383	0.036	15.413	0.035
9.808	0.023	9.847	0.012	9.879	0.009	9.913	0.002	15.445	0.035	15.473	0.034	15.496	0.034	15.509	0.046
9.940	0.002	9.969	0.003	9.989	-0.001	10.020	-0.008	15.531	0.054	15.550	0.054	15.570	0.050	15.599	0.042
10.047	-0.008	10.074	-0.004	10.097	-0.012	10.120	-0.012	15.621	0.029	15.653	0.021	15.685	0.021	15.718	0.013
10.162	-0.012	10.200	-0.016	10.228	-0.012	10.243	-0.012	15.752	0.014	15.784	-0.002	15.813	-0.022	15.841	-0.019
10.265	-0.012	10.278	-0.012	10.302	-0.008	10.317	0.000	15.869	-0.023	15.899	-0.024	15.929	-0.020	15.960	-0.020
10.332	0.000	10.343	0.000	10.356	0.008	10.375	0.004	16.000	-0.014	16.026	-0.005	16.050	0.004	16.078	0.008
10.390	0.004	10.406	0.004	10.427	0.004	10.446	0.000	16.107	0.004	16.137	0.007	16.168	0.009	16.194	0.007
10.460	0.000	10.481	0.000	10.501	-0.000	10.519	-0.001	16.224	-0.002	16.250	-0.003	16.276	-0.012	16.296	-0.025
10.533	-0.005	10.553	0.001	10.568	-0.003	10.592	-0.005	16.327	-0.025	16.364	-0.029	16.393	-0.025	16.425	-0.017
10.609	-0.006	10.624	-0.006	10.641	-0.007	10.661	-0.007	16.458	-0.026	16.496	-0.019	16.525	-0.017	16.554	-0.010
10.678	-0.008	10.692	-0.008	10.711	-0.008	10.728	-0.008	16.592	-0.006	16.617	-0.006	16.649	-0.005	16.676	-0.005
10.742	-0.016	10.761	-0.024	10.784	-0.020	10.808	-0.012	16.703	-0.009	16.734	-0.006	16.764	-0.015	16.791	-0.008
10.832	-0.016	10.854	-0.012	10.876	-0.004	10.899	0.011	16.812	-0.009	16.833	-0.014	16.863	-0.014	16.889	-0.014
10.922	0.014	10.945	0.022	10.974	0.021	11.003	0.021	16.917	-0.025	16.938	-0.032	16.959	-0.039	16.971	-0.034
11.036	0.013	11.068	-0.002	11.092	-0.021	11.111	-0.032	16.994	-0.032	17.018	-0.030	17.050	-0.028	17.077	-0.023
11.134	-0.023	11.163	-0.015	11.187	-0.006	11.214	-0.006	17.101	-0.023	17.125	-0.020	17.146	-0.017	17.171	-0.018
11.245	-0.007	11.271	-0.007	11.300	-0.009	11.327	-0.010	17.196	-0.019	17.219	-0.015	17.245	-0.012	17.270	-0.003
11.353	-0.008	11.380	-0.001	11.406	-0.002	11.436	0.002	17.294	-0.003	17.322	0.002	17.348	0.006	17.374	0.009
11.460	0.001	11.489	-0.007	11.514	-0.015	11.538	-0.015	17.399	0.008	17.421	0.004	17.445	-0.004	17.471	-0.016
11.561	-0.018	11.583	-0.019	11.609	-0.023	11.642	-0.020	17.497	-0.023	17.521	-0.022	17.553	-0.022	17.578	-0.022
11.675	-0.013	11.691	-0.010	11.710	-0.002	11.733	0.002	17.602	-0.019	17.626	-0.015	17.651	-0.019	17.676	-0.020
11.756	-0.002	11.766	0.010	11.787	0.010	11.810	0.009	17.696	-0.020	17.728	-0.028	17.757	-0.034	17.791	-0.024
11.829	-0.002	11.850	-0.003	11.872	-0.003	11.894	-0.011	17.820	-0.023	17.850	-0.023	17.879	-0.023	17.911	-0.022
11.913	-0.004	11.936	-0.005	11.962	-0.009	11.977	-0.009	17.940	-0.022	17.971	-0.018	18.011	-0.019	18.041	-0.019
11.995	-0.001	12.015	0.003	12.035	0.003	12.053	-0.000	18.067	-0.016	18.094	-0.017	18.125	-0.019	18.147	-0.023
12.076	-0.008	12.098	-0.015	12.116	-0.027	12.136	-0.027	18.177	-0.027	18.207	-0.031	18.233	-0.042	18.260	-0.049
12.153	-0.035	12.172	-0.043	12.195	-0.035	12.216	-0.028	18.280	-0.020	18.306	-0.027	18.335	-0.025	18.362	-0.024
12.242	-0.029	12.262	-0.022	12.284	-0.023	12.305	-0.007	18.387	-0.022	18.414	-0.020	18.443	-0.022	18.473	-0.027
12.322	0.000	12.340	0.000	12.359	0.012	12.378	0.008	18.502	-0.023	18.534	-0.023	18.567	-0.025	18.595	-0.023
12.400	0.008	12.426	0.012	12.449	0.021	12.473	0.017	18.627	-0.019	18.660	-0.024	18.689	-0.019	18.717	-0.011
12.494	0.021	12.522	0.026	12.546	0.026	12.576	0.030	18.756	-0.014	18.797	-0.010	18.829	0.002	18.870	0.001
12.604	0.025	12.629	0.025	12.658	0.021	12.679	0.016	18.901	0.009	18.940	0.012	18.972	0.011	19.017	0.022
12.705	0.008	12.728	0.008	12.752	0.004	12.774	-0.008	19.049	0.020	19.080	0.015	19.112	0.006	19.151	0.001
12.798	-0.016	12.820	-0.008	12.844	-0.016	12.874	-0.026	19.183	0.000	19.217	-0.004	19.227	-0.008	19.245	-0.012
12.900	-0.015	12.925	-0.015	12.950	-0.015	12.974	-0.014	19.263	-0.012	19.283	-0.007	19.310	-0.006	19.338	-0.006
13.001	-0.010	13.032	-0.002	13.060	-0.002	13.088	-0.002	19.366	-0.005	19.391	-0.004	19.416	-0.006	19.437	-0.006
13.119	-0.001	13.149	-0.005	13.181	-0.009	13.219	-0.009	19.465	-0.013	19.491	-0.013	19.515	-0.021	19.540	-0.021
13.252	-0.013	13.285	-0.014	13.316	-0.010	13.353	-0.011	19.569	-0.022	19.596	-0.023	19.624	-0.023	19.650	-0.020
13.392	-0.011	13.429	-0.011	13.461	-0.010	13.493	-0.006	19.676	-0.016	19.704	-0.012	19.729	-0.007	19.752	-0.006
13.528	-0.006	13.562	-0.006	13.594	-0.002	13.631	0.000	19.777	-0.004	19.802	-0.003	19.827	-0.005	19.852	-0.004



19.872	-0.007	19.906	-0.009	19.932	-0.012	19.961	-0.016	24.890	-0.008	24.908	-0.008	24.927	-0.007	24.953	-0.007
19.985	-0.016	20.005	-0.012	20.032	-0.012	20.063	-0.012	24.971	-0.007	24.989	-0.007	25.004	-0.014	25.009	-0.014
20.090	-0.008	20.113	-0.012	20.142	-0.008	20.169	-0.008	25.018	-0.014	25.028	-0.013	25.044	-0.013	25.062	-0.012
20.200	-0.008	20.239	-0.012	20.290	-0.016	20.324	-0.016	25.088	-0.015	25.112	-0.018	25.135	-0.022	25.168	-0.025
20.359	-0.009	20.393	-0.005	20.423	-0.006	20.443	-0.006	25.188	-0.029	25.213	-0.029	25.240	-0.029	25.265	-0.029
20.469	0.010	20.500	0.014	20.519	0.010	20.537	0.005	25.300	-0.030	25.329	-0.031	25.360	-0.031	25.392	-0.031
20.557	0.009	20.572	0.008	20.582	0.009	20.593	0.009	25.422	-0.031	25.449	-0.031	25.478	-0.018	25.496	-0.018
20.605	0.006	20.615	0.002	20.615	-0.001	20.620	-0.001	25.514	-0.017	25.540	-0.017	25.559	-0.016	25.580	-0.016
20.633	-0.004	20.647	-0.004	20.664	-0.003	20.685	-0.003	25.615	-0.012	25.639	-0.008	25.659	-0.008	25.682	-0.008
20.703	-0.003	20.726	-0.006	20.748	-0.005	20.770	-0.005	25.703	-0.009	25.720	-0.009	25.746	-0.009	25.767	-0.009
20.788	-0.005	20.815	-0.000	20.837	-0.000	20.862	-0.004	25.787	-0.014	25.810	-0.013	25.828	-0.013	25.848	-0.013
20.892	-0.004	20.912	-0.004	20.940	-0.004	20.974	-0.004	25.864	-0.012	25.880	-0.012	25.907	-0.012	25.927	-0.012
20.997	-0.008	21.023	-0.012	21.044	-0.012	21.067	-0.012	25.947	-0.012	25.968	-0.016	25.993	-0.016	26.016	-0.016
21.078	-0.012	21.100	-0.012	21.126	-0.012	21.157	-0.012	26.031	-0.020	26.053	-0.020	26.069	-0.020	26.093	-0.020
21.200	-0.012	21.229	-0.012	21.249	-0.011	21.286	-0.010	26.113	-0.024	26.133	-0.024	26.159	-0.024	26.179	-0.024
21.318	-0.010	21.336	-0.009	21.351	-0.008	21.373	-0.008	26.202	-0.024	26.228	-0.024	26.247	-0.024	26.267	-0.024
21.391	-0.007	21.412	-0.007	21.434	-0.007	21.453	-0.003	26.285	-0.024	26.307	-0.016	26.333	-0.016	26.360	-0.021
21.472	-0.003	21.486	-0.008	21.510	-0.008	21.531	-0.017	26.388	-0.017	26.415	-0.018	26.441	-0.019	26.472	-0.011
21.548	-0.018	21.577	-0.018	21.595	-0.027	21.622	-0.027	26.501	-0.016	26.533	-0.012	26.559	-0.012	26.594	-0.008
21.642	-0.027	21.665	-0.028	21.697	-0.024	21.723	-0.020	26.619	-0.008	26.653	-0.012	26.683	-0.012	26.714	-0.008
21.750	-0.012	21.775	-0.012	21.803	-0.008	21.839	-0.012	26.740	-0.007	26.760	-0.007	26.785	-0.007	26.815	-0.006
21.865	-0.012	21.893	-0.008	21.924	-0.008	21.955	-0.004	26.834	-0.006	26.851	-0.002	26.869	-0.001	26.892	-0.001
21.977	0.000	22.002	0.000	22.033	0.000	22.062	0.001	26.907	-0.001	26.926	-0.001	26.949	-0.001	26.973	-0.001
22.098	0.001	22.103	0.001	22.116	0.002	22.134	0.006	27.003	-0.001	27.026	-0.001	27.050	-0.002	27.074	-0.002
22.162	0.007	22.187	0.007	22.205	0.008	22.231	0.008	27.093	-0.002	27.125	-0.002	27.155	-0.002	27.187	-0.006
22.255	0.008	22.275	0.008	22.301	0.008	22.320	0.000	27.216	-0.005	27.244	-0.005	27.270	-0.005	27.292	-0.004
22.343	0.000	22.365	0.000	22.386	0.000	22.407	0.000	27.322	0.004	27.345	0.008	27.360	0.012	27.380	0.012
22.427	0.000	22.448	0.000	22.468	0.000	22.491	-0.000	27.404	0.012	27.438	0.008	27.471	0.011	27.499	0.011
22.508	-0.001	22.531	-0.001	22.550	-0.002	22.573	-0.007	27.501	-0.010	27.548	0.013	27.566	0.005	27.589	0.005
22.601	-0.009	22.625	-0.010	22.643	-0.010	22.668	-0.010	27.610	0.004	27.626	0.012	27.641	0.012	27.655	0.012
22.691	-0.013	22.717	-0.012	22.741	-0.010	22.769	-0.009	27.673	0.004	27.696	0.020	27.712	0.020	27.727	0.020
22.799	-0.008	22.830	-0.008	22.848	-0.008	22.851	-0.008	27.737	0.020	27.750	0.008				
22.868	-0.008	22.888	-0.008	22.909	-0.008	22.933	-0.000								
22.957	-0.001	22.982	-0.001	23.011	-0.002	23.046	-0.003								
23.063	-0.004	23.087	-0.004	23.110	-0.005	23.132	-0.006								
23.154	-0.005	23.182	-0.005	23.208	-0.005	23.231	-0.004								
23.261	-0.004	23.284	-0.004	23.292	-0.008	23.311	-0.008								
23.333	-0.008	23.357	-0.008	23.381	-0.008	23.401	-0.008								
23.428	-0.012	23.447	-0.016	23.473	-0.016	23.489	-0.016								
23.509	-0.020	23.530	-0.025	23.552	-0.025	23.573	-0.026								
23.592	-0.022	23.615	-0.019	23.635	-0.019	23.661	-0.019								
23.684	-0.014	23.713	-0.004	23.734	-0.007	23.752	-0.006								
23.784	-0.005	23.809	-0.004	23.831	-0.004	23.853	-0.008								
23.872	-0.012	23.900	-0.012	23.928	-0.012	23.950	-0.016								
23.966	-0.016	23.985	-0.016	24.004	-0.016	24.025	-0.020								
24.049	-0.024	24.072	-0.028	24.098	-0.032	24.117	-0.032								
24.139	-0.032	24.166	-0.028	24.187	-0.028	24.206	-0.024								
24.218	-0.024	24.230	-0.028	24.244	-0.028	24.261	-0.028								
24.277	-0.028	24.299	-0.028	24.313	-0.032	24.331	-0.024								
24.348	-0.016	24.369	-0.020	24.388	-0.019	24.410	-0.019								
24.431	-0.019	24.454	-0.022	24.480	-0.021	24.505	-0.021								
24.526	-0.016	24.547	-0.012	24.570	-0.012	24.597	-0.012								
24.619	-0.012	24.643	-0.012	24.670	-0.009	24.698	-0.006								
24.705	-0.006	24.718	-0.006	24.733	-0.007	24.748	-0.007								
24.764	-0.007	24.783	-0.007	24.801	-0.007	24.814	-0.008								
24.826	-0.008	24.844	-0.008	24.859	-0.008	24.876	-0.008								



71.228 2/9/71 0600PST SAN DIEGO GAS AND ELECTRIC BSMT. EAST

1055 POINTS	27.744 SECONDS
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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 0.0152 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.028	0.033	-0.012	0.062	-0.004	0.091	-0.004	3.656	-0.027	3.681	-0.007	3.701	0.005	3.716	0.013		
0.117	-0.005	0.147	0.003	0.181	-0.013	0.210	-0.021	3.743	0.017	3.771	0.033	3.798	0.029	3.825	0.013		
0.230	-0.029	0.248	-0.021	0.270	-0.009	0.282	-0.001	3.853	0.001	3.880	0.005	3.905	0.009	3.926	0.004		
0.308	-0.005	0.335	0.007	0.363	0.011	0.390	0.014	3.951	-0.004	3.972	-0.008	3.994	-0.008	4.026	-0.020		
0.411	0.022	0.424	0.022	0.446	0.030	0.477	0.030	4.044	-0.033	4.067	-0.041	4.087	-0.038	4.115	-0.022		
0.500	0.030	0.522	0.030	0.550	0.034	0.583	0.026	4.146	-0.007	4.171	-0.008	4.192	-0.012	4.224	-0.033		
0.610	0.026	0.640	0.010	0.666	0.010	0.692	0.006	4.246	-0.038	4.274	-0.018	4.300	0.005	4.326	0.044		
0.724	0.006	0.735	0.006	0.747	0.006	0.767	0.018	4.350	0.032	4.383	0.032	4.405	0.031	4.431	0.035		
0.788	0.018	0.811	0.022	0.830	0.030	0.852	0.017	4.458	0.031	4.487	0.007	4.524	0.002	4.543	0.002		
0.877	0.017	0.898	0.025	0.918	0.025	0.938	0.025	4.571	0.002	4.598	-0.018	4.624	0.006	4.653	-0.002		
0.956	0.025	0.977	0.021	1.005	0.020	1.020	0.012	4.688	-0.002	4.717	-0.005	4.744	0.007	4.769	0.019		
1.044	0.000	1.067	-0.001	1.086	-0.001	1.113	-0.002	4.798	-0.005	4.825	-0.009	4.839	-0.009	4.881	0.011		
1.134	-0.003	1.159	-0.003	1.184	-0.004	1.205	0.005	4.921	0.016	4.952	0.008	4.986	-0.008	5.008	-0.007		
1.235	-0.006	1.261	-0.014	1.287	-0.011	1.306	0.000	5.044	-0.015	5.068	-0.015	5.094	-0.011	5.121	-0.011		
1.321	0.012	1.347	0.023	1.369	0.018	1.389	0.013	5.144	-0.015	5.167	-0.015	5.187	-0.015	5.222	-0.015		
1.411	0.004	1.432	0.003	1.451	0.002	1.462	0.005	5.245	-0.023	5.281	-0.011	5.309	-0.003	5.352	0.009		
1.502	0.008	1.530	0.003	1.544	-0.001	1.561	-0.010	5.362	0.008	5.399	0.016	5.420	0.012	5.457	0.024		
1.591	0.010	1.614	0.005	1.631	0.009	1.655	0.005	5.482	0.019	5.505	0.015	5.526	0.011	5.553	0.027		
1.677	-0.012	1.701	-0.016	1.722	-0.020	1.745	-0.017	5.579	0.031	5.598	0.031	5.617	0.027	5.637	0.007		
1.777	-0.021	1.792	-0.022	1.810	-0.022	1.826	-0.022	5.661	0.006	5.689	0.014	5.715	0.022	5.740	0.026		
1.838	-0.026	1.858	-0.034	1.882	-0.022	1.908	-0.006	5.761	0.022	5.782	0.018	5.806	0.010	5.826	0.014		
1.925	0.006	2.053	-0.006	2.076	-0.014	2.101	-0.010	5.846	0.018	5.865	0.018	5.883	0.014	5.907	-0.010		
2.122	-0.014	2.150	-0.022	2.151	-0.022	2.151	-0.022	5.927	-0.030	5.948	-0.030	5.969	-0.003	5.994	0.013		
2.190	-0.022	2.207	-0.022	2.228	-0.034	2.249	-0.034	6.103	0.021	6.041	0.021	6.062	0.029	6.082	0.025		
2.268	-0.038	2.288	-0.038	2.309	0.030	2.344	-0.014	6.209	-0.008	6.237	-0.020	6.264	-0.025	6.284	-0.025		
2.346	-0.002	2.368	0.002	2.418	-0.010	2.437	-0.022	6.311	-0.029	6.355	-0.025	6.382	-0.021	6.411	-0.013		
2.460	-0.031	2.478	-0.031	2.504	-0.019	2.532	-0.003	6.443	0.007	6.474	0.003	6.495	0.003	6.529	0.003		
2.567	0.009	2.591	0.016	2.612	0.016	2.631	0.012	6.568	0.023	6.596	0.031	6.620	0.035	6.654	0.043		
2.656	0.002	2.679	0.008	2.704	0.031	2.728	0.031	6.674	0.043	6.708	0.031	6.741	0.027	6.767	0.020		
2.753	0.023	2.780	-0.005	2.801	-0.017	2.823	-0.017	6.789	0.008	6.810	-0.004	6.832	-0.004	6.856	-0.024		
2.840	-0.017	2.861	-0.017	2.882	-0.013	2.900	-0.013	6.885	-0.013	6.912	-0.005	6.938	0.003	6.958	-0.003		
2.913	-0.013	2.930	-0.014	2.948	-0.014	2.962	-0.014	7.066	0.006	7.093	0.002	7.123	0.002	7.147	0.000		
3.063	-0.010	3.087	-0.010	3.114	-0.010	3.043	-0.010	7.096	0.001	7.096	0.001	7.113	0.001	7.130	0.000		
3.151	-0.027	3.174	-0.027	3.192	-0.027	3.216	-0.027	7.146	-0.000	7.163	-0.000	7.182	-0.001	7.198	-0.001		
3.243	0.039	3.277	-0.020	3.300	0.008	3.330	0.027	7.217	0.005	7.242	-0.002	7.268	0.022	7.294	0.021		
3.358	0.019	3.379	0.003	3.406	0.009	3.435	0.006	7.321	0.021	7.346	0.020	7.371	0.020	7.392	0.019		
3.452	-0.006	3.473	-0.006	3.489	-0.006	3.518	-0.019	7.419	0.011	7.448	-0.002	7.469	-0.018	7.487	-0.030		
3.550	-0.027	3.574	-0.035	3.598	-0.031	3.625	-0.027	7.514	0.027	7.545	-0.015	7.573	-0.000	7.606	-0.000		
								7.634	-0.001	7.653	-0.001	7.681	0.019	7.709	0.015		



7.743	-0.001	7.764	0.002	7.804	0.002	7.824	0.002	13.825	0.020	13.854	0.020	13.883	0.024	13.915	0.015
7.838	-0.010	7.859	-0.010	7.891	-0.006	7.917	0.014	13.940	0.031	13.964	0.026	13.995	0.017	14.025	0.017
7.944	0.014	7.972	0.022	7.990	0.030	8.012	0.034	14.055	0.008	14.084	0.015	14.115	0.006	14.141	0.006
8.042	0.038	8.068	0.030	8.090	0.022	8.113	-0.002	14.170	0.001	14.200	0.001	14.232	-0.008	14.263	0.004
8.143	-0.010	8.160	-0.010	8.200	-0.014	8.218	-0.018	14.295	-0.009	14.320	-0.003	14.349	-0.021	14.382	-0.022
8.242	-0.034	8.263	-0.038	8.289	-0.042	8.319	-0.030	14.406	-0.014	14.435	-0.002	14.465	-0.002	14.495	-0.006
8.351	-0.022	8.376	-0.023	8.410	-0.023	8.434	-0.023	14.526	-0.002	14.555	0.003	14.585	0.003	14.621	0.007
8.459	-0.023	8.476	-0.023	8.500	-0.020	8.531	-0.008	14.654	0.011	14.681	0.011	14.713	0.027	14.738	0.019
8.568	-0.003	8.597	0.003	8.627	0.003	8.650	-0.005	14.768	0.019	14.797	0.011	14.821	0.019	14.846	0.015
8.675	-0.005	8.700	-0.010	8.723	-0.014	8.745	-0.018	14.870	0.027	14.897	0.026	14.928	0.018	14.958	0.018
8.761	-0.022	8.786	-0.023	8.807	-0.023	8.830	-0.015	14.991	0.014	15.027	0.017	15.056	0.017	15.087	0.017
8.850	-0.015	8.873	-0.011	8.895	-0.011	8.922	-0.005	15.122	0.013	15.153	0.016	15.189	0.012	15.221	0.012
8.942	-0.015	8.963	-0.015	8.987	-0.003	9.011	0.005	15.253	0.012	15.282	0.008	15.313	0.008	15.347	0.008
9.041	0.005	9.070	0.013	9.098	0.025	9.128	0.025	15.381	0.009	15.415	0.005	15.445	-0.006	15.478	-0.010
9.150	0.025	9.179	0.033	9.206	0.033	9.234	0.025	15.511	-0.013	15.546	-0.025	15.573	-0.021	15.612	-0.020
9.249	0.009	9.280	0.009	9.306	0.005	9.337	-0.007	15.648	-0.020	15.682	-0.015	15.710	-0.011	15.730	-0.007
9.367	-0.003	9.396	-0.003	9.437	-0.011	9.466	-0.015	15.744	-0.015	15.773	0.013	15.799	-0.006	15.824	0.014
9.487	-0.015	9.513	-0.023	9.549	-0.035	9.580	-0.035	15.850	0.010	15.873	0.013	15.898	0.013	15.924	0.009
9.615	-0.028	9.650	-0.016	9.681	-0.012	9.720	-0.000	15.951	0.009	15.980	0.013	16.007	0.013	16.035	0.005
9.748	-0.004	9.785	-0.000	9.814	-0.004	9.858	-0.016	16.064	0.005	16.094	0.004	16.117	-0.004	16.145	0.004
9.904	-0.009	9.944	-0.001	9.973	0.011	10.005	0.011	16.178	0.008	16.208	0.015	16.237	0.011	16.266	0.015
10.040	0.007	10.086	0.007	10.125	0.003	10.138	0.011	16.301	0.014	16.325	0.018	16.351	0.006	16.377	-0.006
10.159	0.010	10.167	0.010	10.189	0.010	10.206	0.010	16.405	-0.026	16.428	-0.027	16.456	-0.023	16.482	-0.019
10.226	0.010	10.245	0.006	10.269	0.010	10.295	0.009	16.517	-0.011	16.545	-0.015	16.572	-0.011	16.599	0.000
10.321	0.005	10.351	0.001	10.378	0.001	10.403	-0.003	16.629	0.004	16.656	0.016	16.686	0.024	16.707	0.020
10.429	-0.003	10.452	-0.007	10.479	-0.004	10.500	-0.012	16.736	-0.000	16.765	0.007	16.787	0.003	16.812	0.003
10.524	-0.020	10.548	-0.024	10.574	-0.028	10.601	-0.028	16.836	-0.005	16.866	-0.014	16.893	-0.014	16.919	-0.010
10.627	-0.028	10.654	-0.028	10.682	-0.028	10.709	-0.028	16.948	-0.011	16.974	-0.011	17.000	-0.011	17.030	-0.008
10.734	-0.008	10.763	-0.008	10.792	-0.008	10.816	-0.016	17.062	-0.012	17.084	-0.012	17.125	-0.012	17.154	-0.017
10.840	0.008	10.864	0.004	10.889	-0.008	10.917	-0.012	17.184	-0.021	17.218	-0.018	17.234	-0.026	17.263	-0.035
10.943	-0.012	10.968	-0.019	10.994	-0.019	11.012	-0.015	17.289	-0.018	17.313	-0.019	17.343	-0.027	17.371	-0.038
11.036	-0.011	11.063	-0.011	11.084	-0.011	11.110	-0.003	17.397	-0.035	17.424	-0.031	17.455	-0.032	17.485	-0.024
11.135	0.001	11.158	0.005	11.184	0.000	11.208	0.008	17.512	-0.024	17.540	-0.016	17.566	-0.017	17.592	-0.005
11.233	0.008	11.255	0.012	11.280	0.012	11.300	0.007	17.621	-0.001	17.653	-0.009	17.682	-0.017	17.710	-0.013
11.323	0.011	11.347	0.011	11.376	0.005	11.406	0.008	17.734	-0.017	17.758	-0.013	17.790	-0.009	17.818	0.003
11.433	0.011	11.463	0.011	11.499	-0.002	11.530	0.005	17.845	-0.005	17.871	0.003	17.894	0.004	18.003	0.013
11.555	-0.007	11.583	0.004	11.607	-0.000	11.637	-0.001	17.946	0.004	17.974	0.004	18.004	0.001	18.033	0.013
11.665	0.011	11.693	0.011	11.721	0.003	11.745	0.004	18.068	0.013	18.099	0.010	18.125	0.010	18.155	0.018
11.772	0.004	11.798	0.005	11.825	0.021	11.847	0.009	18.219	0.006	18.245	0.006	18.274	0.002	18.303	0.018
11.870	0.014	11.893	0.018	11.920	0.014	11.944	0.018	18.329	0.010	18.350	0.005	18.375	0.005	18.405	-0.005
11.970	0.022	12.000	0.018	12.035	0.014	12.065	0.014	18.400	0.000	18.427	-0.000	18.456	-0.001	18.485	-0.024
12.092	0.010	12.126	0.009	12.157	0.008	12.189	0.016	18.519	-0.014	18.547	-0.019	18.579	-0.019	18.609	-0.024
12.219	0.011	12.251	0.011	12.282	0.006	12.312	-0.002	18.665	-0.033	18.695	-0.033	18.725	-0.034	18.755	-0.034
12.341	-0.018	12.370	-0.023	12.401	-0.015	12.427	-0.015	18.753	-0.022	18.782	-0.015	18.813	-0.019	18.838	-0.023
12.454	-0.019	12.486	-0.016	12.518	-0.012	12.553	-0.016	18.866	-0.015	18.898	-0.003	18.930	-0.011	18.959	-0.019
12.585	-0.016	12.616	-0.016	12.648	-0.015	12.681	-0.019	18.990	-0.011	19.020	-0.015	19.047	-0.019	19.078	-0.023
12.709	-0.011	12.737	-0.015	12.770	-0.007	12.800	-0.006	19.108	-0.014	19.137	-0.014	19.167	-0.018	19.197	-0.014
12.827	-0.006	12.854	-0.014	12.882	-0.006	12.913	-0.009	19.227	-0.010	19.260	-0.011	19.289	-0.015	19.317	-0.011
12.941	-0.013	12.969	-0.017	12.998	-0.025	13.027	-0.025	19.348	-0.007	19.376	-0.008	19.406	-0.000	19.434	-0.000
13.057	-0.033	13.083	-0.041	13.111	-0.033	13.141	-0.025	19.467	0.008	19.503	0.019	19.536	0.015	19.567	0.019
13.170	-0.017	13.199	-0.013	13.220	-0.017	13.246	-0.013	19.596	0.023	19.627	0.027	19.656	0.027	19.685	0.022
13.272	0.002	13.296	0.010	13.324	0.018	13.352	0.002	19.711	0.022	19.742	0.018	19.762	0.014	19.792	0.014
13.380	0.002	13.409	0.006	13.431	0.006	13.453	0.006	19.826	0.006	19.854	0.005	19.888	0.008	19.924	0.003
13.477	0.002	13.508	-0.001	13.538	-0.009	13.567	-0.009	19.953	-0.002	19.981	-0.003	20.016	-0.000	20.048	-0.001
13.596	-0.001	13.630	-0.004	13.658	-0.012	13.680	-0.008	20.075	0.007	20.109	0.010	20.142	0.006	20.171	0.009
13.722	-0.008	13.750	-0.004	13.779	0.004	13.804	0.004	20.200	0.009	20.235	0.009	20.260	0.013	20.289	0.014



20.321	0.018	20.353	0.017	20.384	0.013	20.416	0.012	26.039	-0.001	26.072	-0.002	26.109	-0.008	26.135	-0.012
20.454	-0.008	20.483	-0.000	20.508	-0.005	20.539	-0.006	26.161	-0.012	26.188	-0.013	26.220	-0.009	26.248	-0.009
20.570	-0.002	20.597	0.001	20.623	-0.003	20.652	0.004	26.272	-0.005	26.303	-0.000	26.332	0.000	26.362	0.001
20.675	0.004	20.703	0.004	20.728	0.004	20.756	0.004	26.388	0.005	26.420	0.009	26.451	0.014	26.485	0.022
20.770	-0.004	20.791	0.001	20.812	-0.007	20.830	0.005	26.518	0.017	26.546	0.017	26.578	0.017	26.612	0.016
20.839	-0.003	20.849	-0.003	20.860	-0.002	20.865	-0.002	26.642	0.016	26.680	0.015	26.717	0.014	26.753	0.013
20.880	-0.002	20.888	-0.002	20.904	-0.002	20.920	-0.002	26.782	0.012	26.813	0.014	26.839	0.009	26.865	0.004
20.937	-0.002	20.955	-0.002	20.975	-0.002	20.991	0.002	26.895	0.004	26.924	-0.001	26.954	-0.005	26.984	-0.006
21.005	0.006	21.023	0.014	21.041	0.018	21.062	0.018	27.013	-0.002	27.049	-0.002	27.081	0.002	27.107	0.006
21.086	0.018	21.107	0.014	21.125	0.014	21.146	0.014	27.140	0.009	27.175	0.013	27.214	0.009	27.249	0.008
21.166	-0.006	21.187	0.002	21.210	-0.006	21.228	-0.010	27.272	0.007	27.297	0.007	27.319	0.014	27.338	0.010
21.249	-0.010	21.271	-0.006	21.289	-0.010	21.305	-0.010	27.362	0.010	27.388	0.017	27.402	0.017	27.417	0.013
21.321	-0.006	21.342	-0.006	21.365	-0.002	21.390	-0.002	27.431	0.021	27.451	0.021	27.464	0.021	27.486	0.021
21.412	-0.002	21.431	0.006	21.451	0.010	21.468	0.010	27.510	0.021	27.541	0.026	27.565	0.030	27.589	0.031
21.489	0.014	21.508	0.022	21.528	0.014	21.549	0.014	27.620	0.030	27.649	0.029	27.673	0.028	27.699	0.027
21.574	0.014	21.602	0.014	21.629	0.014	21.655	0.026	27.714	0.018	27.726	0.018	27.744	0.009		
21.681	0.022	21.707	0.022	21.737	0.014	21.760	0.014								
21.787	0.014	21.811	0.014	21.836	0.010	21.856	0.014								
21.882	0.018	21.911	0.010	21.936	0.014	21.959	0.014								
21.980	0.014	22.004	0.006	22.030	0.006	22.048	0.006								
22.073	0.006	22.091	0.014	22.113	0.014	22.134	0.006								
22.140	-0.002	22.164	-0.002	22.210	-0.002	22.234	-0.010								
22.256	-0.018	22.280	-0.014	22.309	-0.014	22.338	-0.018								
22.364	-0.018	22.395	-0.018	22.419	-0.014	22.447	-0.006								
22.474	-0.010	22.503	-0.006	22.531	-0.010	22.552	-0.006								
22.580	-0.002	22.598	-0.002	22.624	-0.002	22.650	-0.002								
22.674	-0.002	22.695	-0.002	22.722	-0.002	22.742	-0.002								
22.766	-0.002	22.793	-0.002	22.819	-0.002	22.840	-0.006								
22.865	-0.006	22.891	-0.010	22.917	-0.010	22.941	-0.006								
22.964	-0.002	22.993	0.002	23.018	0.006	23.051	0.006								
23.085	0.010	23.111	0.015	23.143	0.011	23.172	0.012								
23.193	0.012	23.220	0.016	23.245	0.001	23.271	0.001								
23.302	0.002	23.333	0.002	23.362	0.006	23.395	0.010								
23.418	0.010	23.447	0.010	23.478	0.010	23.510	0.010								
23.548	0.011	23.586	0.011	23.613	0.011	23.639	0.007								
23.692	0.008	23.723	0.008	23.761	0.012	23.786	0.005								
23.817	0.006	23.847	-0.001	23.875	0.000	23.903	0.005								
23.935	0.002	23.966	0.004	24.002	0.012	24.036	0.011								
24.063	0.011	24.100	0.010	24.130	0.001	24.159	0.000								
24.186	-0.008	24.217	-0.014	24.250	-0.019	24.281	-0.020								
24.325	-0.005	24.361	-0.009	24.396	-0.005	24.424	-0.004								
24.448	0.004	24.478	0.009	24.505	0.009	24.534	0.009								
24.566	0.010	24.598	0.022	24.628	0.014	24.657	0.018								
24.683	0.010	24.711	0.010	24.737	-0.010	24.771	-0.006								
24.807	0.006	24.840	0.002	24.865	0.002	24.880	-0.002								
24.900	-0.006	24.926	-0.006	24.948	-0.006	24.976	-0.006								
25.001	-0.006	25.023	-0.006	25.047	-0.010	25.071	-0.010								
25.096	-0.014	25.124	-0.014	25.152	-0.014	25.182	-0.010								
25.212	-0.010	25.238	-0.006	25.275	-0.006	25.305	-0.006								
25.335	-0.006	25.366	-0.006	25.395	-0.002	25.422	-0.002								
25.452	-0.002	25.486	-0.002	25.518	0.006	25.547	0.006								
25.569	0.006	25.594	0.006	25.618	0.002	25.642	0.005								
25.673	0.005	25.697	0.005	25.716	0.001	25.731	-0.007								
25.752	-0.012	25.775	-0.008	25.795	-0.009	25.816	-0.005								
25.830	0.003	25.854	-0.006	25.879	-0.002	25.906	-0.002								
25.929	0.001	25.956	0.005	25.981	0.000	26.010	-0.000								



IH 127

771-228 2/9/71 0600PST SAN DIEGO GAS AND ELECTRIC BSMT.

1119 POINTS 27.758 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 0.0128 G/10.

TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN	TIME	ACCLN
0.0	-0.005	0.028	-0.005	0.058	-0.009	0.086	-0.013	0.156	-0.012	0.184	-0.013	0.254	-0.012	0.282	-0.011	0.352	-0.010	0.380	-0.009
0.108	-0.005	0.130	-0.004	0.156	-0.000	0.184	-0.012	0.254	-0.012	0.282	-0.011	0.352	-0.010	0.380	-0.009	0.450	-0.008	0.478	-0.007
0.204	-0.012	0.215	-0.012	0.244	-0.000	0.261	0.000	0.288	0.000	0.315	0.000	0.342	0.000	0.369	0.000	0.396	0.000	0.423	0.000
0.287	-0.012	0.308	-0.016	0.325	-0.008	0.342	0.000	0.369	0.000	0.396	0.000	0.423	0.000	0.450	0.000	0.477	0.000	0.504	0.000
0.369	-0.015	0.392	-0.011	0.414	-0.007	0.438	0.001	0.461	-0.001	0.484	0.001	0.507	0.001	0.530	0.001	0.553	0.001	0.576	0.001
0.456	-0.003	0.475	0.001	0.494	0.001	0.520	0.017	0.543	0.017	0.566	0.017	0.589	0.017	0.612	0.017	0.635	0.017	0.658	0.017
0.538	-0.018	0.563	0.001	0.589	0.018	0.612	0.018	0.635	0.018	0.658	0.018	0.681	0.018	0.704	0.018	0.727	0.018	0.750	0.018
0.657	0.014	0.685	0.018	0.710	0.022	0.733	0.022	0.756	0.022	0.779	0.022	0.802	0.022	0.825	0.022	0.848	0.022	0.871	0.022
0.761	0.017	0.784	0.017	0.808	0.017	0.831	0.017	0.854	0.017	0.877	0.017	0.900	0.017	0.923	0.017	0.946	0.017	0.969	0.017
0.869	0.021	0.890	0.017	0.914	0.009	0.937	0.001	0.960	0.001	0.983	0.001	1.006	0.001	1.029	0.001	1.052	0.001	1.075	0.001
0.968	0.012	0.999	0.019	1.026	0.019	1.049	0.007	1.072	0.007	1.095	0.007	1.118	0.007	1.141	0.007	1.164	0.007	1.187	0.007
1.061	0.003	1.077	0.002	1.101	0.010	1.124	-0.012	1.147	0.010	1.170	-0.012	1.193	0.010	1.216	-0.012	1.239	0.010	1.262	-0.012
1.147	0.013	1.167	0.013	1.183	0.005	1.203	-0.012	1.226	0.005	1.249	-0.012	1.272	0.005	1.295	-0.012	1.318	0.005	1.341	-0.012
1.228	0.000	1.247	0.016	1.264	0.015	1.287	0.011	1.310	0.011	1.333	0.011	1.356	0.011	1.379	0.011	1.402	0.011	1.425	0.011
1.302	0.003	1.324	-0.013	1.347	0.002	1.370	0.022	1.393	0.022	1.416	0.022	1.439	0.022	1.462	0.022	1.485	0.022	1.508	0.022
1.392	0.025	1.415	0.021	1.440	0.005	1.464	0.000	1.487	0.000	1.510	0.000	1.533	0.000	1.556	0.000	1.579	0.000	1.602	0.000
1.493	0.004	1.521	0.011	1.549	0.023	1.572	0.014	1.600	0.014	1.623	0.014	1.646	0.014	1.669	0.014	1.692	0.014	1.715	0.014
1.594	0.002	1.618	0.006	1.648	0.013	1.673	0.007	1.703	0.007	1.733	0.007	1.763	0.007	1.793	0.007	1.823	0.007	1.853	0.007
1.684	0.012	1.701	0.012	1.717	0.012	1.739	0.007	1.763	0.007	1.787	0.007	1.811	0.007	1.835	0.007	1.859	0.007	1.883	0.007
1.759	0.007	1.779	0.010	1.811	0.018	1.828	0.009	1.906	-0.014	1.995	-0.012	2.083	-0.012	2.172	-0.012	2.261	-0.012	2.350	-0.012
1.825	-0.008	1.846	-0.009	1.864	-0.009	1.884	-0.009	1.906	-0.014	1.995	-0.012	2.083	-0.012	2.172	-0.012	2.261	-0.012	2.350	-0.012
1.925	-0.001	1.946	-0.001	1.964	-0.001	1.984	-0.001	1.995	-0.014	2.083	-0.012	2.172	-0.012	2.261	-0.012	2.350	-0.012	2.439	-0.012
2.016	-0.009	2.039	0.005	2.065	-0.012	2.083	-0.012	2.172	-0.012	2.261	-0.012	2.350	-0.012	2.439	-0.012	2.528	-0.012	2.617	-0.012
2.111	-0.001	2.132	-0.010	2.153	-0.011	2.172	-0.012	2.261	-0.012	2.350	-0.012	2.439	-0.012	2.528	-0.012	2.617	-0.012	2.706	-0.012
2.191	-0.001	2.214	-0.007	2.236	-0.011	2.274	-0.008	2.350	-0.012	2.439	-0.012	2.528	-0.012	2.617	-0.012	2.706	-0.012	2.795	-0.012
2.305	0.016	2.323	0.012	2.344	0.008	2.364	0.003	2.439	-0.012	2.528	-0.012	2.617	-0.012	2.706	-0.012	2.795	-0.012	2.884	-0.012
2.388	0.015	2.414	0.015	2.434	0.008	2.455	0.012	2.528	-0.012	2.617	-0.012	2.706	-0.012	2.795	-0.012	2.884	-0.012	2.973	-0.012
2.483	-0.008	2.507	0.004	2.537	0.008	2.560	0.008	2.617	-0.012	2.706	-0.012	2.795	-0.012	2.884	-0.012	2.973	-0.012	3.062	-0.012
2.581	-0.001	2.600	-0.001	2.623	-0.001	2.642	-0.001	2.706	-0.012	2.795	-0.012	2.884	-0.012	2.973	-0.012	3.062	-0.012	3.151	-0.012
2.673	-0.003	2.691	-0.007	2.713	-0.001	2.742	-0.009	2.820	-0.002	2.836	-0.002	2.938	-0.025	3.018	-0.011	3.036	-0.011	3.125	-0.011
2.775	-0.010	2.799	0.010	2.820	0.002	2.836	-0.002	2.938	-0.025	3.018	-0.011	3.036	-0.011	3.125	-0.011	3.214	-0.010	3.303	-0.010
2.864	-0.002	2.884	0.006	2.918	0.022	2.938	-0.025	3.018	-0.011	3.036	-0.011	3.125	-0.011	3.214	-0.010	3.303	-0.010	3.392	-0.010
2.964	0.024	2.994	0.012	3.018	0.011	3.036	-0.011	3.125	-0.011	3.214	-0.010	3.303	-0.010	3.392	-0.010	3.481	-0.009	3.570	-0.009
3.066	-0.014	3.086	0.013	3.119	0.009	3.137	0.000	3.214	-0.010	3.303	-0.010	3.392	-0.010	3.481	-0.009	3.570	-0.009	3.659	-0.009
3.159	-0.000	3.195	-0.001	3.215	-0.014	3.233	-0.018	3.303	-0.010	3.392	-0.010	3.481	-0.009	3.570	-0.009	3.659	-0.009	3.748	-0.009
3.266	0.001	3.299	0.012	3.325	0.019	3.352	0.018	3.424	0.009	3.452	0.009	3.530	-0.004	3.612	-0.001	3.637	0.011	3.728	0.003
3.375	-0.019	3.398	0.013	3.406	0.009	3.424	0.009	3.530	-0.004	3.612	-0.001	3.637	0.011	3.728	0.003	3.810	0.012	3.900	0.015
3.454	-0.009	3.483	0.008	3.510	-0.004	3.530	-0.004	3.612	-0.001	3.637	0.011	3.728	0.003	3.810	0.012	3.900	0.015	3.989	0.018
3.555	-0.004	3.582	-0.000	3.612	-0.001	3.637	0.011	3.728	0.003	3.810	0.012	3.900	0.015	3.989	0.018	4.078	0.021	4.167	0.024
3.661	-0.031	3.678	0.031	3.700	0.023	3.728	0.003	3.810	0.012	3.900	0.015	3.989	0.018	4.078	0.021	4.167	0.024	4.256	0.027



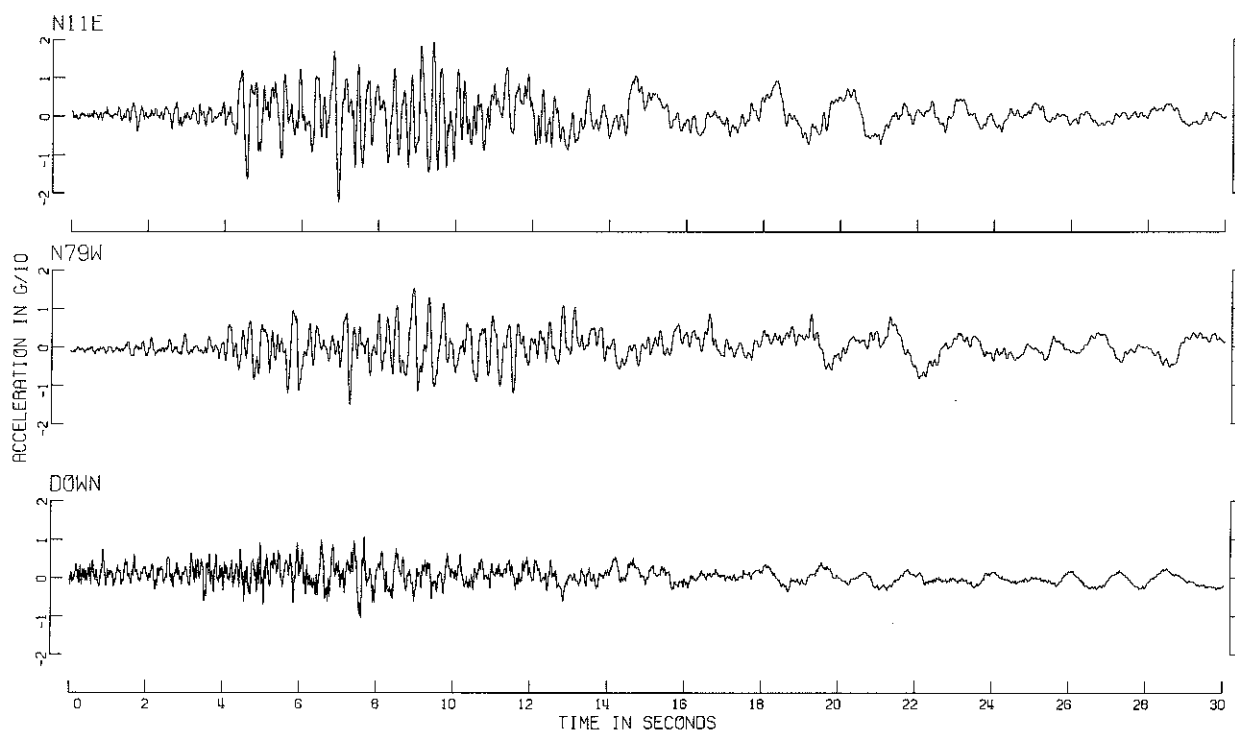
8.209	-0.012	8.247	0.012	8.281	0.004	8.305	-0.008	14.296	-0.009	14.322	-0.009	14.348	-0.005	14.371	-0.001
8.334	-0.013	8.365	-0.013	8.399	0.007	8.424	0.003	14.392	0.003	14.420	0.003	14.441	0.002	14.469	0.006
8.452	-0.009	8.482	-0.008	8.513	-0.004	8.538	-0.000	14.494	0.014	14.515	0.018	14.536	0.017	14.557	0.017
8.566	-0.012	8.587	-0.016	8.612	-0.020	8.642	0.000	14.582	0.013	14.609	0.005	14.630	0.004	14.656	0.004
8.671	0.009	8.701	-0.003	8.737	-0.015	8.774	0.002	14.679	0.004	14.710	0.004	14.734	0.008	14.759	0.008
8.800	0.010	8.825	-0.006	8.849	-0.010	8.874	-0.018	14.790	0.007	14.817	0.011	14.835	0.011	14.856	0.011
8.901	-0.018	8.939	-0.002	8.977	0.015	9.008	0.019	14.882	0.015	14.910	0.015	14.939	0.015	14.960	0.011
9.034	-0.003	9.075	0.003	9.114	0.011	9.142	0.007	14.986	0.007	15.010	0.007	15.033	0.003	15.058	0.003
9.170	-0.001	9.195	-0.004	9.220	0.008	9.247	0.020	15.085	0.003	15.112	0.003	15.134	0.003	15.162	0.003
9.261	0.000	9.289	0.012	9.317	0.004	9.344	0.000	15.185	0.003	15.208	-0.001	15.233	-0.005	15.256	-0.021
9.370	0.000	9.394	0.004	9.414	0.005	9.436	0.001	15.283	-0.021	15.309	-0.021	15.331	-0.021	15.357	-0.021
9.463	-0.003	9.493	-0.003	9.538	0.017	9.572	0.018	15.381	-0.021	15.409	-0.009	15.432	-0.001	15.461	0.007
9.603	-0.002	9.632	-0.006	9.664	-0.002	9.702	0.002	15.490	0.007	15.515	0.011	15.542	0.015	15.569	0.019
9.739	-0.009	9.788	-0.005	9.821	-0.001	9.856	-0.005	15.596	0.019	15.623	0.015	15.649	0.011	15.668	0.007
9.889	-0.013	9.912	-0.009	9.950	-0.001	9.979	-0.005	15.692	0.007	15.722	0.010	15.750	0.014	15.775	0.014
10.021	-0.009	10.059	-0.017	10.092	-0.009	10.067	-0.005	15.801	0.018	15.828	0.016	15.850	0.017	15.879	0.021
10.075	-0.009	10.099	-0.017	10.116	-0.017	10.130	-0.013	15.901	0.017	15.925	0.018	15.953	0.012	15.978	0.004
10.145	-0.008	10.155	-0.008	10.162	-0.004	10.168	-0.003	16.007	0.008	16.038	-0.000	16.063	-0.000	16.088	-0.001
10.180	-0.007	10.188	-0.002	10.201	0.003	10.212	0.003	16.113	-0.001	16.141	-0.001	16.159	-0.001	16.182	-0.003
10.222	0.008	10.236	0.013	10.249	0.013	10.264	0.005	16.210	-0.005	16.235	-0.001	16.269	-0.001	16.293	-0.001
10.277	0.002	10.295	0.006	10.311	0.010	10.328	0.011	16.316	-0.005	16.344	-0.008	16.365	-0.008	16.376	-0.008
10.348	0.011	10.365	0.011	10.385	0.011	10.401	0.007	16.388	-0.008	16.398	-0.008	16.419	-0.004	16.441	-0.006
10.415	-0.001	10.439	-0.001	10.462	-0.001	10.487	-0.001	16.461	-0.000	16.487	-0.007	16.509	-0.007	16.537	-0.006
10.512	-0.001	10.549	0.007	10.563	0.003	10.587	-0.001	16.558	-0.006	16.581	0.002	16.614	0.003	16.646	0.003
10.613	-0.005	10.641	0.003	10.661	-0.005	10.689	-0.017	16.677	0.007	16.704	0.007	16.732	0.003	16.757	0.003
10.710	-0.013	10.739	-0.009	10.750	0.003	10.772	0.007	16.788	0.003	16.812	0.003	16.845	0.003	16.874	0.003
10.792	0.006	10.813	0.002	10.839	0.005	10.862	0.005	16.897	0.003	16.922	0.003	16.950	-0.001	16.984	-0.001
10.880	0.008	10.906	0.008	10.927	0.007	10.957	0.003	17.015	-0.001	17.048	-0.000	17.071	-0.000	17.094	-0.004
10.978	0.003	11.002	0.006	11.017	0.010	11.038	0.011	17.117	-0.004	17.147	-0.003	17.174	-0.003	17.206	-0.002
11.057	0.012	11.077	0.012	11.098	0.013	11.118	0.006	17.236	-0.002	17.263	0.006	17.290	0.007	17.322	0.007
11.142	0.006	11.165	0.010	11.192	0.014	11.225	0.014	17.356	-0.001	17.383	-0.009	17.410	-0.009	17.440	-0.005
11.254	0.014	11.285	0.017	11.314	0.012	11.345	0.010	17.469	-0.006	17.493	-0.006	17.522	0.002	17.545	0.001
11.375	0.001	11.408	-0.001	11.439	0.002	11.467	0.001	17.555	0.005	17.567	0.005	17.586	0.005	17.607	0.008
11.495	-0.001	11.529	-0.000	11.562	-0.001	11.588	0.002	17.624	0.012	17.643	0.012	17.662	0.008	17.682	0.012
11.614	0.005	11.640	0.004	11.664	-0.000	11.695	-0.002	17.706	0.012	17.723	0.007	17.745	0.007	17.764	0.007
11.724	-0.003	11.748	0.013	11.769	0.012	11.790	0.004	17.800	0.003	17.800	0.007	17.823	0.007	17.843	0.007
11.816	-0.000	11.844	-0.001	11.865	0.011	11.889	0.011	17.862	0.007	17.888	0.007	17.917	0.007	17.944	0.007
11.921	0.011	11.947	0.011	11.972	0.007	11.996	0.007	17.961	0.007	17.979	0.003	17.990	0.003	18.008	0.003
12.023	0.011	12.052	0.011	12.078	0.010	12.106	0.002	18.032	0.003	18.049	-0.001	18.071	-0.006	18.091	-0.006
12.132	-0.006	12.162	-0.006	12.190	-0.011	12.219	-0.015	18.110	-0.010	18.130	-0.010	18.155	-0.010	18.181	-0.011
12.253	-0.011	12.285	-0.008	12.316	-0.000	12.349	-0.000	18.206	-0.011	18.231	-0.015	18.262	-0.007	18.287	0.000
12.382	-0.000	12.417	0.003	12.454	0.003	12.490	0.003	18.309	0.004	18.330	-0.004	18.356	-0.004	18.382	0.000
12.524	0.007	12.561	0.007	12.598	0.015	12.641	0.015	18.406	-0.004	18.434	-0.008	18.463	-0.012	18.491	-0.007
12.680	0.015	12.729	0.015	12.766	0.007	12.811	0.007	18.517	-0.003	18.541	-0.007	18.572	-0.003	18.598	0.002
12.856	0.003	12.895	0.007	12.942	0.011	12.974	0.015	18.624	-0.006	18.649	-0.010	18.678	-0.010	18.705	-0.009
13.005	0.015	13.039	0.007	13.076	0.011	13.118	0.011	18.734	-0.005	18.750	-0.005	18.760	-0.005	18.775	-0.005
13.147	0.007	13.173	0.003	13.207	0.003	13.236	0.006	18.789	-0.005	18.811	0.003	18.834	0.003	18.858	0.007
13.268	0.002	13.299	0.001	13.330	-0.003	13.364	-0.008	18.882	0.011	18.904	0.011	18.925	0.007	18.946	0.003
13.403	-0.013	13.434	-0.010	13.466	0.001	13.505	0.004	18.974	0.002	18.994	-0.002	19.018	-0.002	19.046	-0.006
13.544	-0.007	13.586	0.006	13.624	0.001	13.662	0.007	19.069	0.002	19.091	0.001	19.119	0.005	19.146	0.005
13.703	-0.012	13.739	-0.012	13.780	-0.005	13.799	0.003	19.173	0.005	19.195	0.004	19.220	0.006	19.246	0.016
13.818	0.003	13.844	0.003	13.865	0.004	13.890	0.008	19.274	0.012	19.301	0.011	19.317	0.011	19.340	0.011
13.911	0.008	13.932	0.008	13.958	0.008	13.982	0.008	19.365	0.011	19.392	0.011	19.417	0.006	19.441	0.006
14.010	0.005	14.030	0.005	14.056	0.005	14.088	-0.003	19.466	0.006	19.498	0.002	19.527	-0.003	19.557	-0.011
14.110	-0.002	14.134	-0.002	14.157	-0.002	14.188	-0.002	19.585	-0.011	19.618	-0.007	19.649	-0.004	19.679	-0.000
14.212	-0.002	14.230	-0.005	14.252	-0.009	14.277	-0.009	19.716	-0.000	19.745	-0.000	19.770	0.004	19.804	0.003



19.839	0.003	19.871	-0.001	19.899	-0.001	19.915	-0.001	24.815	-0.029	24.843	-0.033	24.870	-0.033	24.899	-0.029
19.928	-0.000	19.943	-0.004	19.972	-0.004	19.994	-0.004	24.923	-0.029	24.953	-0.029	24.982	-0.029	25.011	-0.021
20.017	-0.000	20.037	-0.004	20.059	-0.004	20.089	-0.004	25.031	-0.021	25.049	-0.021	25.073	-0.017	25.096	-0.017
20.120	-0.019	20.146	-0.015	20.182	-0.015	20.208	-0.019	25.124	-0.017	25.156	-0.013	25.189	-0.017	25.218	-0.021
20.234	-0.015	20.267	-0.003	20.290	-0.003	20.314	-0.003	25.246	-0.021	25.277	-0.021	25.307	-0.017	25.324	-0.021
20.340	0.000	20.370	0.000	20.376	0.000	20.400	0.004	25.354	-0.021	25.376	-0.021	25.406	-0.029	25.434	-0.029
20.426	0.004	20.451	0.004	20.483	-0.000	20.504	0.003	25.466	-0.021	25.493	-0.029	25.518	-0.029	25.532	-0.029
20.540	-0.001	20.572	-0.001	20.591	-0.005	20.616	-0.009	25.545	-0.033	25.559	-0.033	25.588	-0.033	25.588	-0.033
20.647	-0.009	20.676	-0.013	20.693	-0.013	20.711	-0.013	25.605	-0.029	25.623	-0.029	25.642	-0.029	25.663	-0.029
20.734	-0.013	20.751	-0.017	20.783	-0.013	20.806	-0.004	25.679	-0.029	25.695	-0.029	25.712	-0.029	25.731	-0.029
20.823	0.000	20.838	0.009	20.844	0.009	20.850	0.010	25.748	-0.029	25.768	-0.029	25.789	-0.029	25.804	-0.029
20.883	0.002	20.898	0.002	20.859	0.002	20.869	0.002	25.824	-0.033	25.849	-0.029	25.871	-0.029	25.896	-0.029
20.884	0.000	20.892	-0.004	20.906	-0.004	20.923	-0.005	25.917	-0.029	25.939	-0.029	25.964	-0.029	25.990	-0.029
20.938	-0.001	20.954	-0.001	20.975	-0.001	20.999	-0.000	26.013	-0.021	26.036	-0.021	26.062	-0.021	26.090	-0.021
21.022	0.001	21.037	0.001	21.056	-0.002	21.078	-0.001	26.122	-0.017	26.144	-0.021	26.167	-0.021	26.195	-0.014
21.097	0.001	21.117	-0.001	21.144	0.001	21.169	-0.001	26.216	-0.014	26.242	-0.014	26.263	-0.015	26.289	-0.018
21.187	0.002	21.212	0.002	21.235	0.001	21.250	0.001	26.320	-0.014	26.344	-0.014	26.373	-0.009	26.402	-0.009
21.269	0.000	21.288	0.000	21.308	-0.000	21.333	-0.000	26.428	-0.009	26.454	-0.009	26.482	-0.009	26.504	-0.009
21.352	-0.001	21.368	-0.001	21.384	-0.001	21.395	-0.005	26.523	-0.009	26.544	-0.009	26.566	-0.013	26.584	-0.025
21.415	-0.005	21.428	-0.005	21.448	-0.005	21.468	-0.005	26.604	-0.025	26.633	-0.025	26.651	-0.021	26.671	-0.021
21.486	-0.009	21.505	-0.009	21.524	-0.013	21.544	-0.009	26.701	-0.021	26.723	-0.021	26.741	-0.025	26.755	-0.025
21.566	-0.005	21.594	-0.009	21.617	-0.013	21.640	-0.009	26.778	-0.022	26.804	-0.018	26.830	-0.019	26.853	-0.016
21.666	-0.005	21.692	-0.009	21.716	-0.013	21.744	-0.013	26.881	-0.012	26.900	-0.012	26.923	-0.013	26.948	-0.013
21.769	-0.017	21.789	-0.013	21.813	-0.021	21.834	-0.017	26.968	-0.012	26.993	-0.008	27.014	-0.012	27.037	-0.007
21.850	-0.017	21.869	-0.013	21.890	-0.009	21.916	-0.009	27.058	-0.011	27.084	-0.010	27.116	-0.010	27.149	-0.009
21.944	-0.009	21.961	-0.013	21.977	-0.005	21.997	-0.005	27.176	-0.009	27.199	-0.009	27.228	-0.009	27.253	-0.009
22.014	-0.001	22.038	-0.005	22.055	-0.001	22.072	-0.005	27.276	-0.009	27.307	-0.013	27.324	-0.009	27.359	-0.013
22.095	-0.005	22.110	-0.005	22.140	-0.005	22.166	-0.001	27.383	-0.013	27.409	-0.014	27.438	-0.012	27.464	-0.017
22.182	-0.005	22.199	-0.005	22.220	-0.001	22.246	-0.006	27.486	-0.022	27.510	-0.015	27.536	-0.014	27.563	-0.009
22.272	-0.010	22.290	-0.011	22.313	-0.008	22.336	-0.008	27.592	-0.006	27.616	-0.003	27.640	-0.003	27.666	-0.009
22.354	-0.009	22.381	-0.010	22.407	-0.011	22.431	-0.012	27.686	-0.006	27.701	-0.003	27.715	-0.024	27.721	-0.013
22.455	-0.012	22.473	-0.012	22.500	-0.012	22.521	-0.017	27.730	-0.009	27.741	-0.002	27.758	-0.015		
22.526	-0.017	22.544	-0.017	22.560	-0.017	22.583	-0.013								
22.603	-0.013	22.616	-0.013	22.637	-0.016	22.655	-0.020								
22.679	-0.020	22.702	-0.020	22.720	-0.023	22.745	-0.027								
22.768	-0.026	22.792	-0.026	22.823	-0.029	22.842	-0.029								
22.864	-0.029	22.891	-0.028	22.914	-0.028	22.935	-0.027								
22.960	-0.026	22.989	-0.013	23.017	-0.016	23.047	-0.007								
23.075	0.002	23.099	0.002	23.125	0.006	23.158	0.005								
23.179	-0.008	23.206	0.000	23.224	-0.000	23.249	-0.004								
23.277	-0.005	23.302	-0.009	23.324	-0.021	23.346	-0.021								
23.370	-0.021	23.394	-0.017	23.428	-0.017	23.451	-0.021								
23.472	-0.025	23.492	-0.025	23.513	-0.021	23.537	-0.021								
23.561	-0.017	23.583	-0.013	23.610	-0.005	23.633	-0.009								
23.661	-0.005	23.692	-0.009	23.708	-0.009	23.730	-0.009								
23.758	-0.005	23.778	-0.005	23.804	-0.005	23.822	-0.009								
23.845	-0.013	23.857	-0.017	23.872	-0.009	23.893	-0.009								
23.912	-0.001	23.933	-0.005	23.956	-0.005	23.968	-0.005								
23.991	-0.005	24.018	-0.005	24.044	-0.005	24.068	-0.005								
24.089	-0.005	24.123	-0.005	24.154	-0.005	24.179	-0.005								
24.203	-0.005	24.224	-0.009	24.246	-0.010	24.272	-0.010								
24.298	-0.011	24.324	-0.011	24.344	-0.012	24.368	-0.012								
24.395	-0.020	24.422	-0.020	24.452	-0.021	24.484	-0.025								
24.510	-0.025	24.533	-0.026	24.558	-0.026	24.579	-0.030								
24.603	-0.031	24.627	-0.031	24.647	-0.032	24.675	-0.032								
24.699	-0.032	24.728	-0.033	24.755	-0.029	24.787	-0.025								

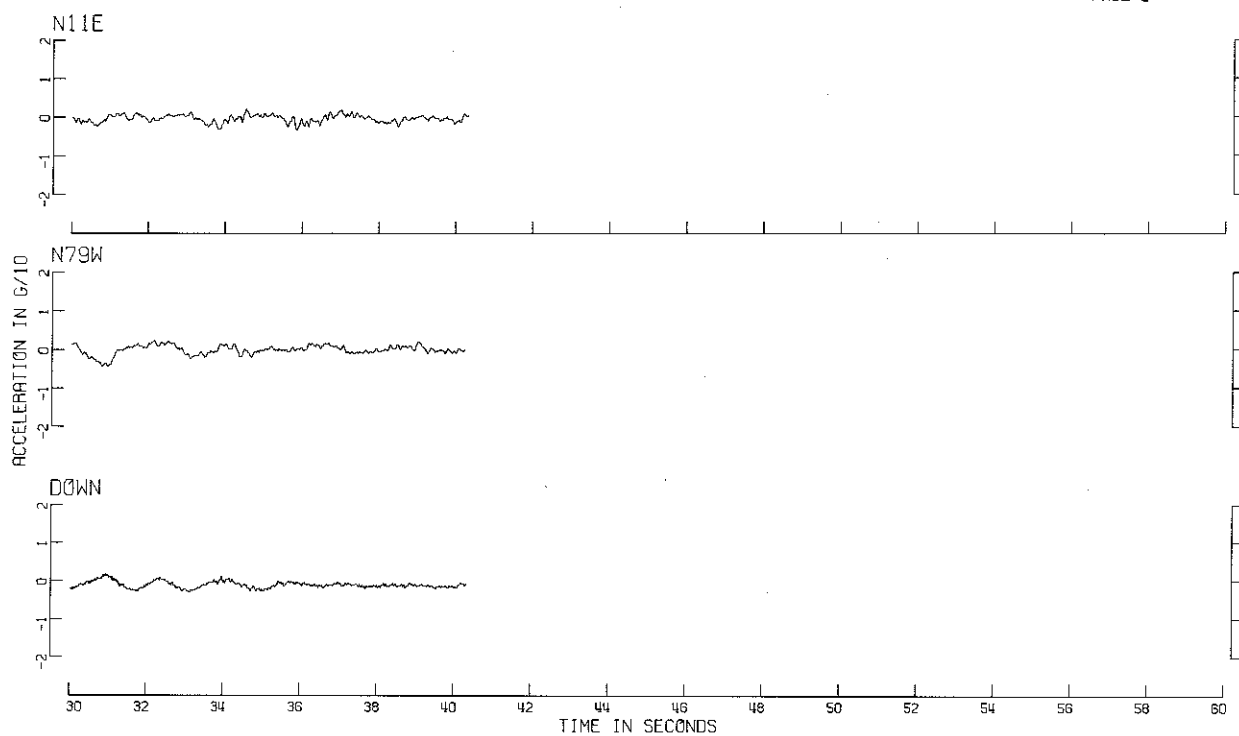


IH115 71.024 2/9/71 0600PST L.A. 15250 VENTURA BLVD. BASEMENT



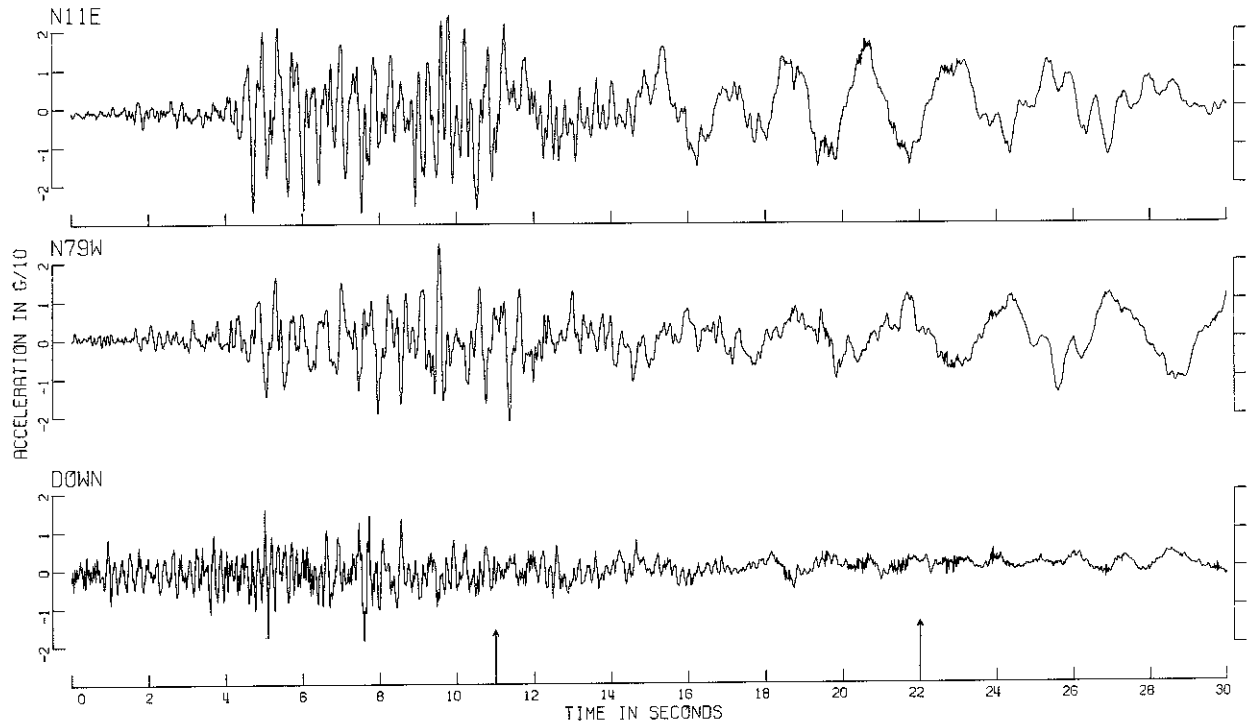
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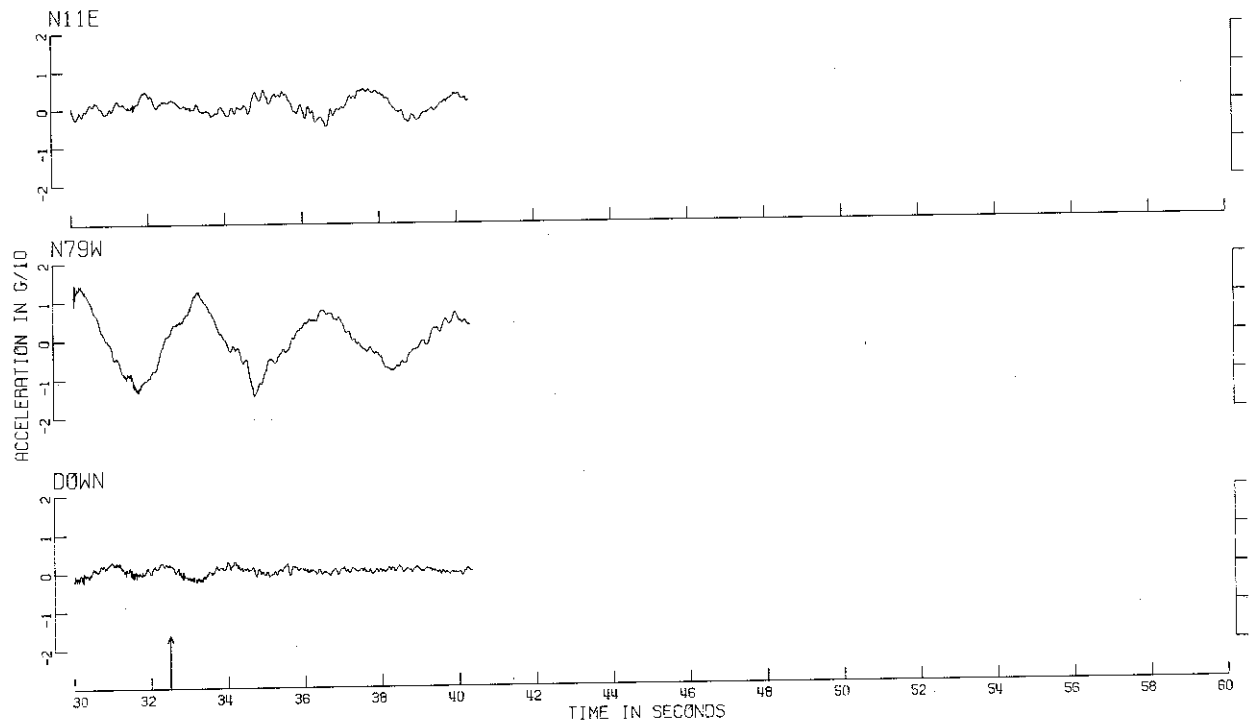


IH116 71.026 2/9/71 0600PST L.A. 15250 VENTURA BLVD. 7TH FL.



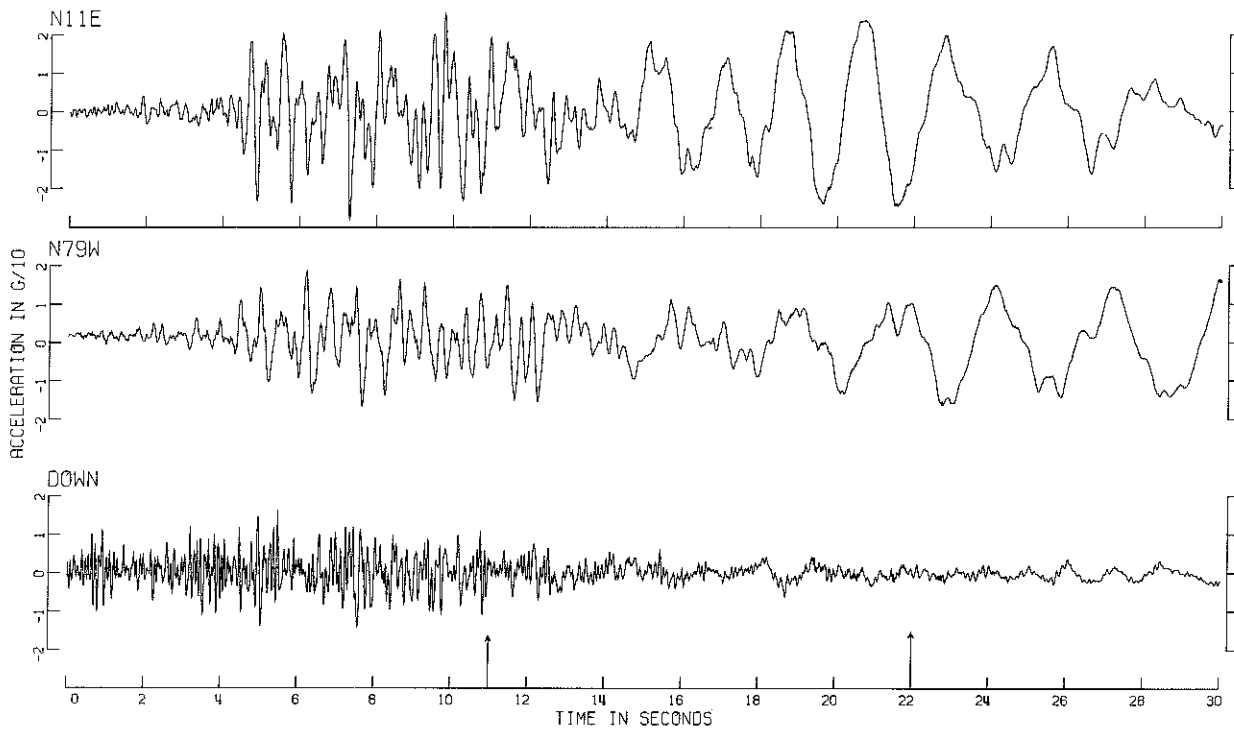
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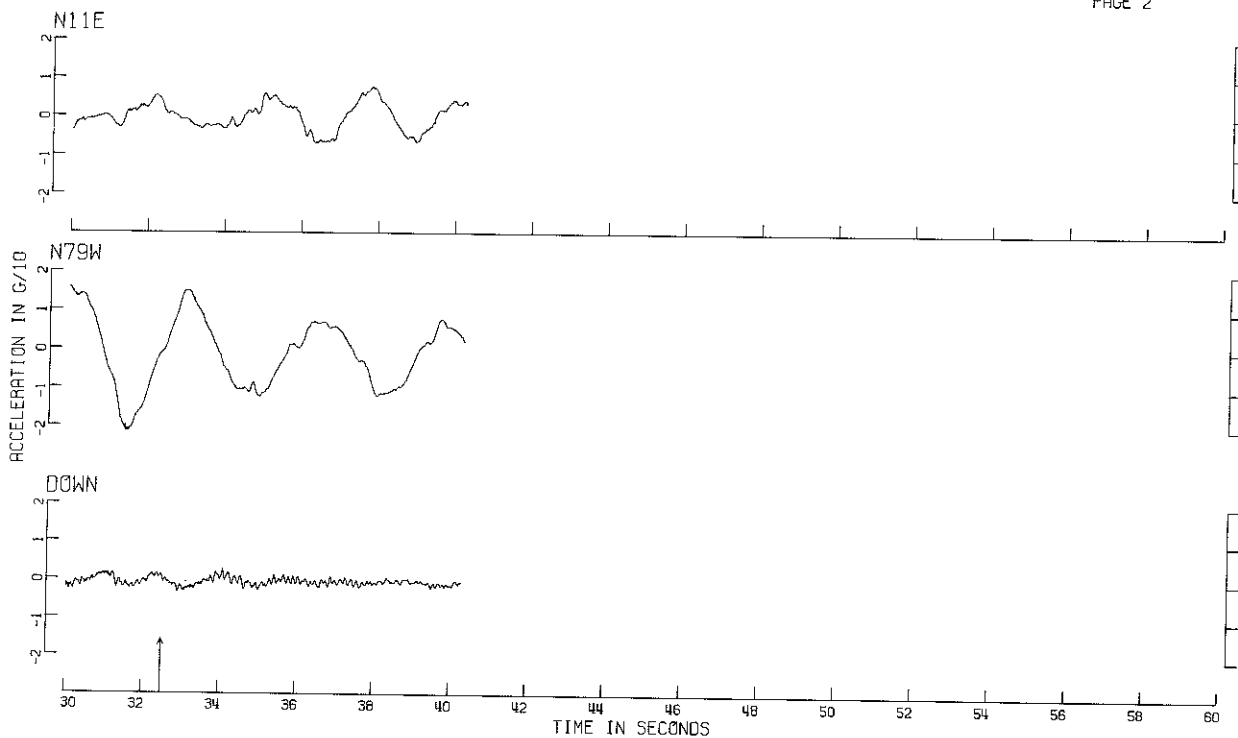


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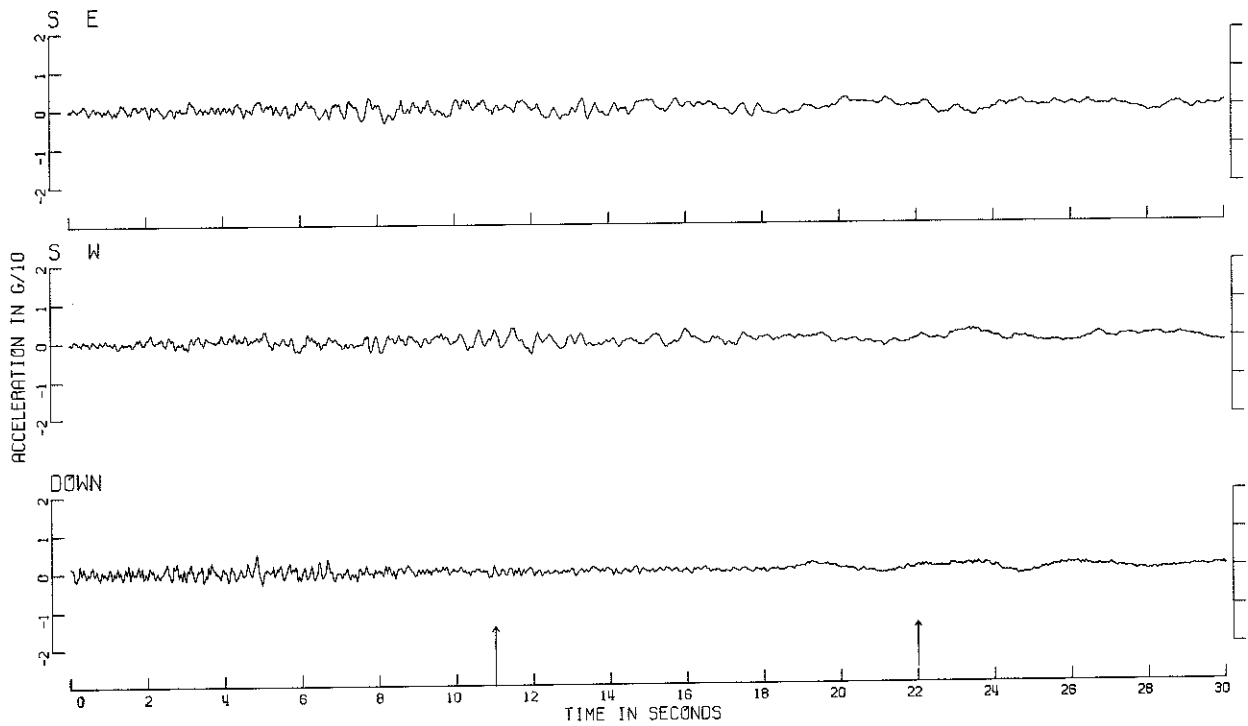
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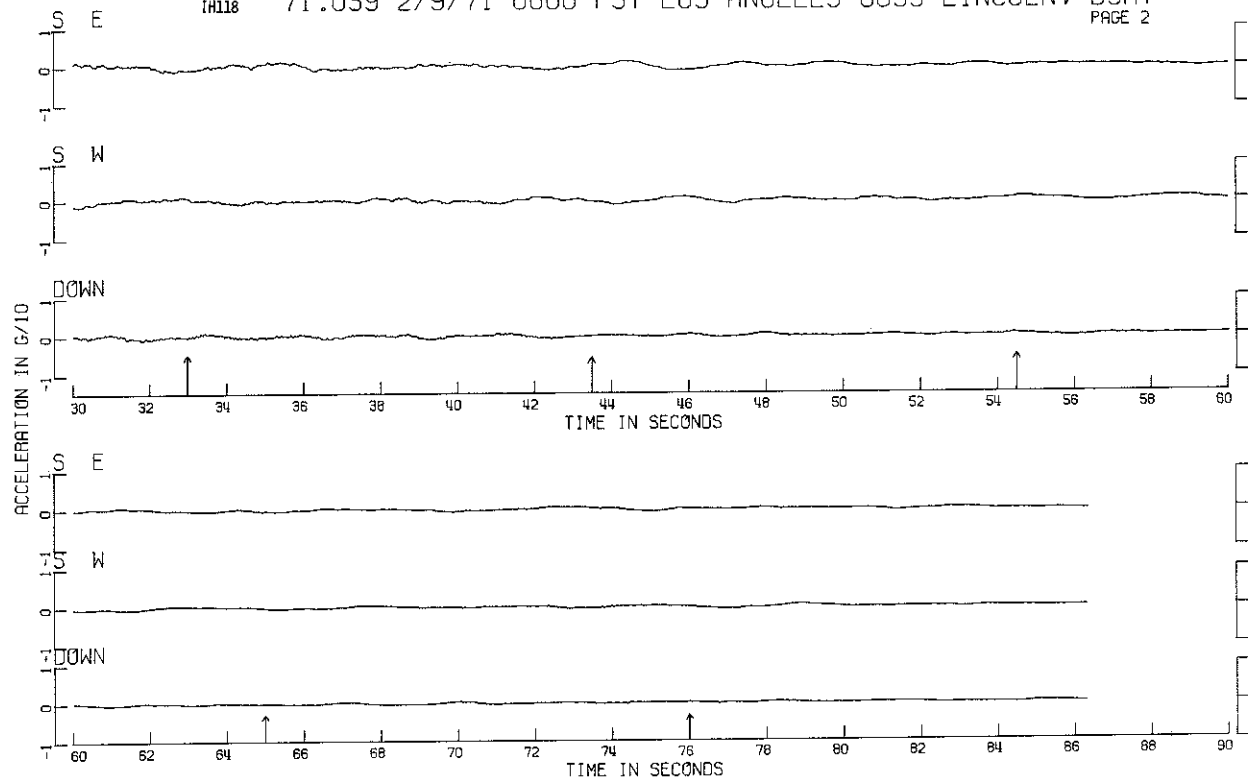




IH118 71.039 2/9/71 0600 PST LOS ANGELES 8639 LINCOLN, BSMT

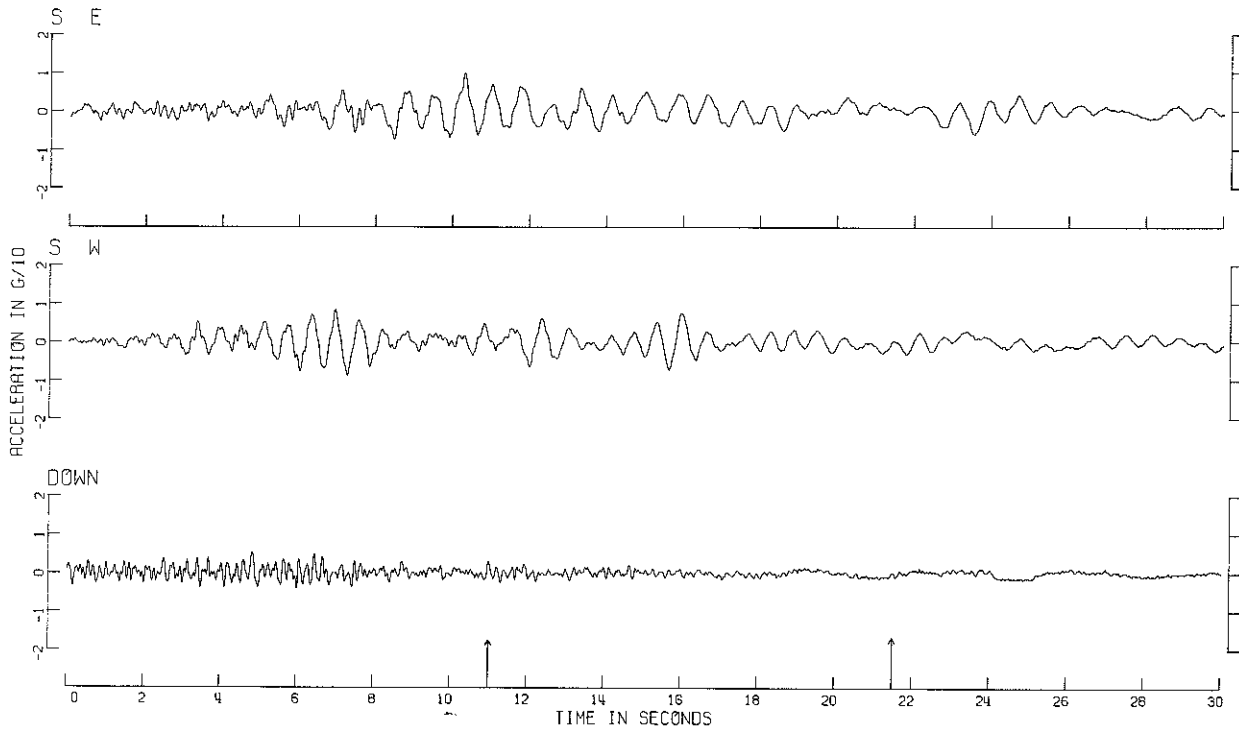


IH118 71.039 2/9/71 0600 PST LOS ANGELES 8639 LINCOLN, BSMT  
PAGE 2

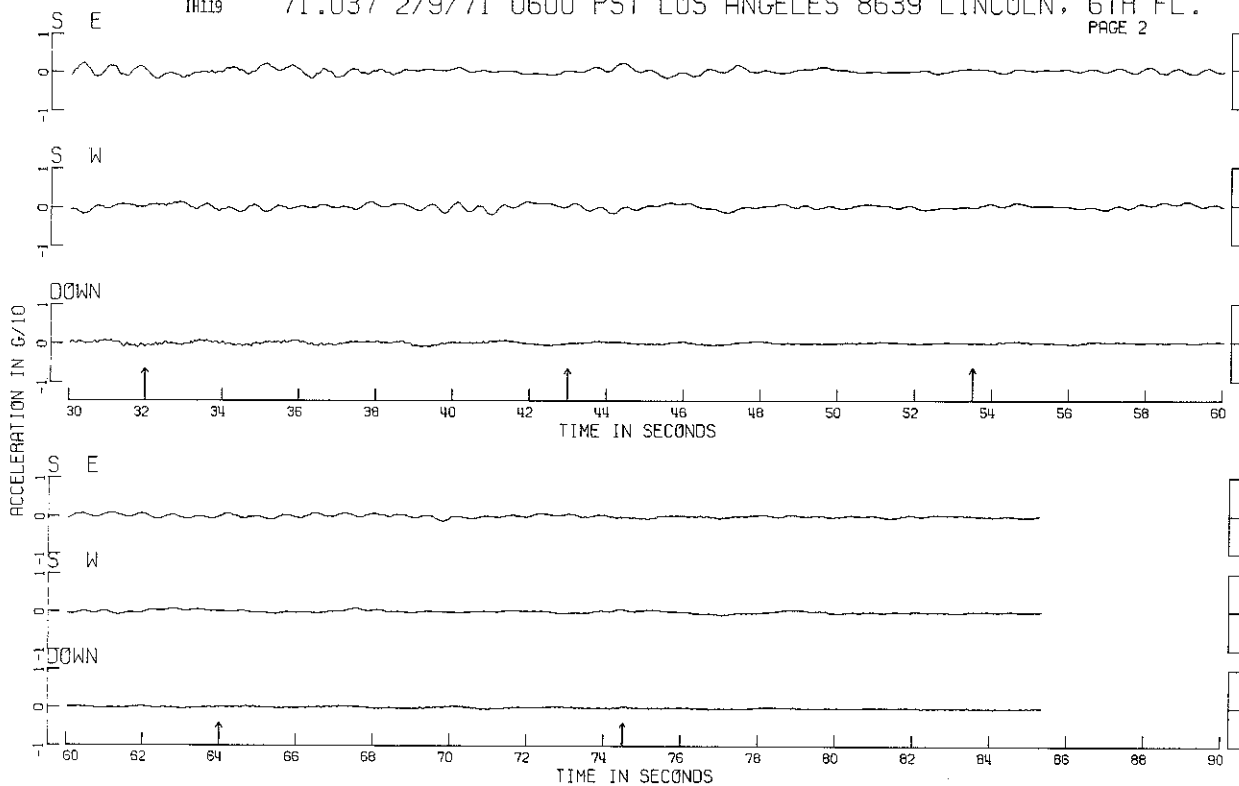




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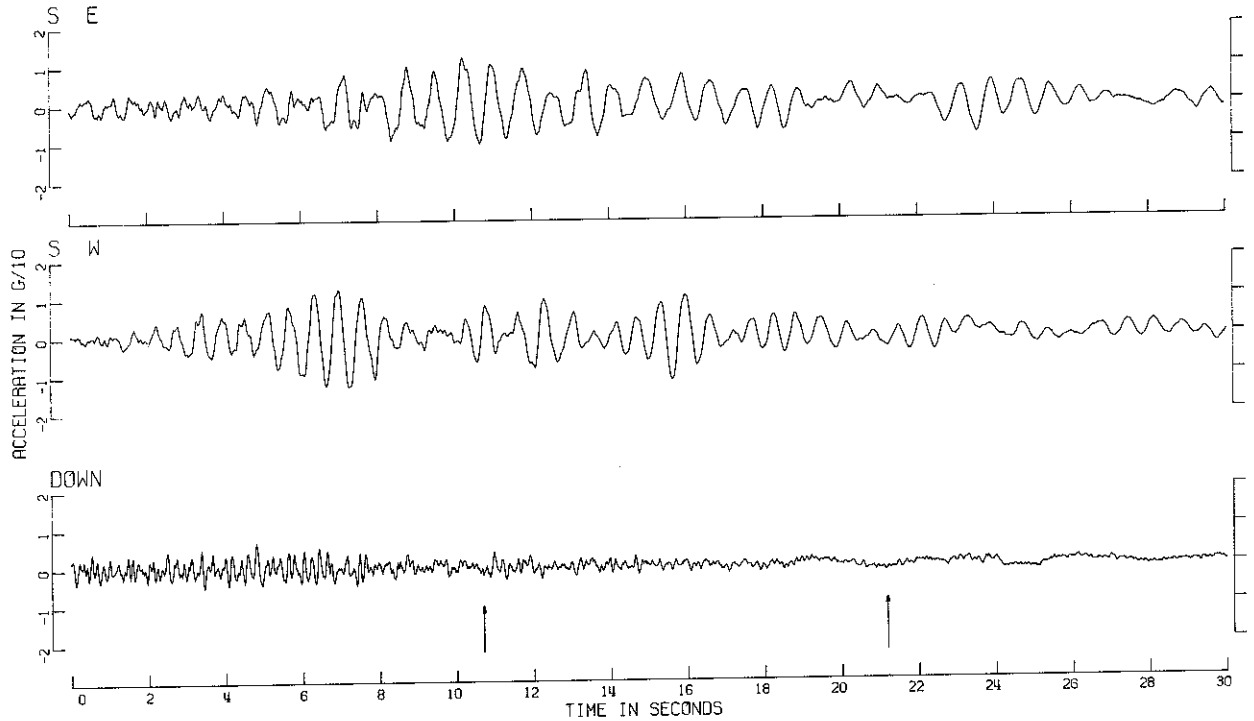


IH119 71.037 2/9/71 0600 PST LOS ANGELES 8639 LINCOLN, 6TH FL. PAGE 2

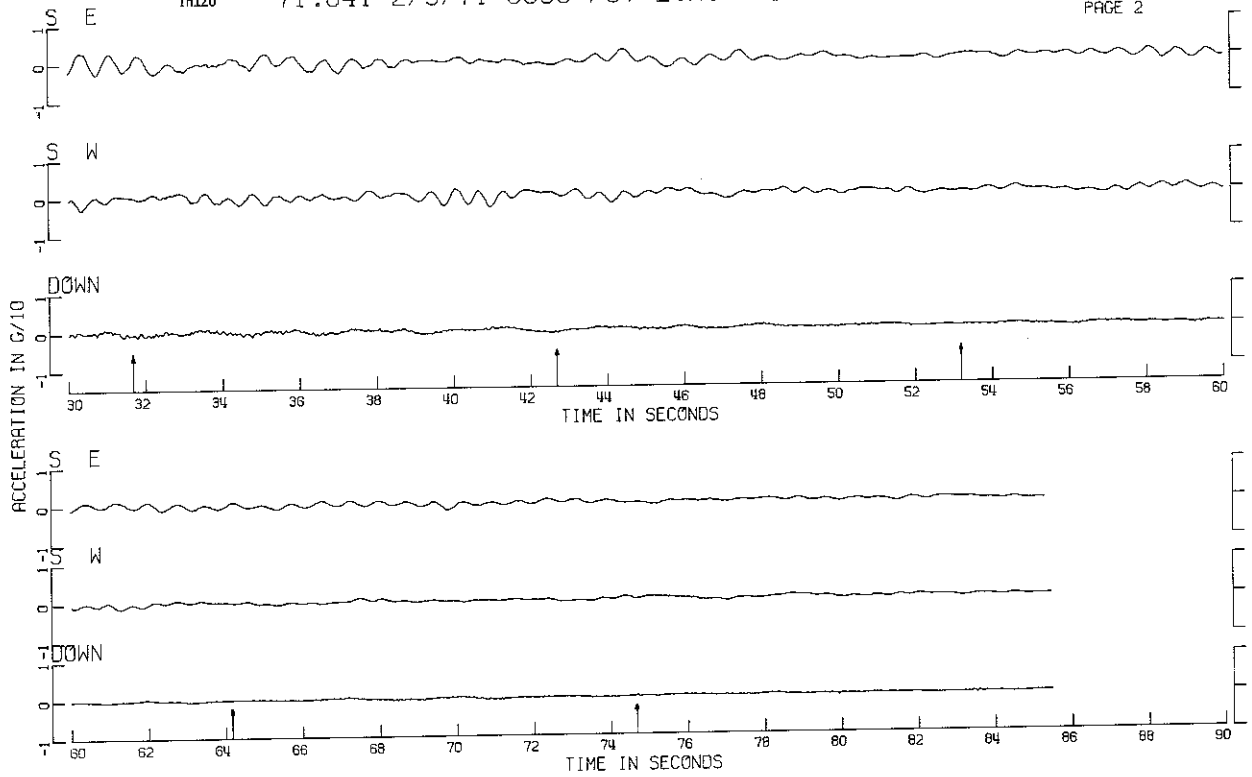




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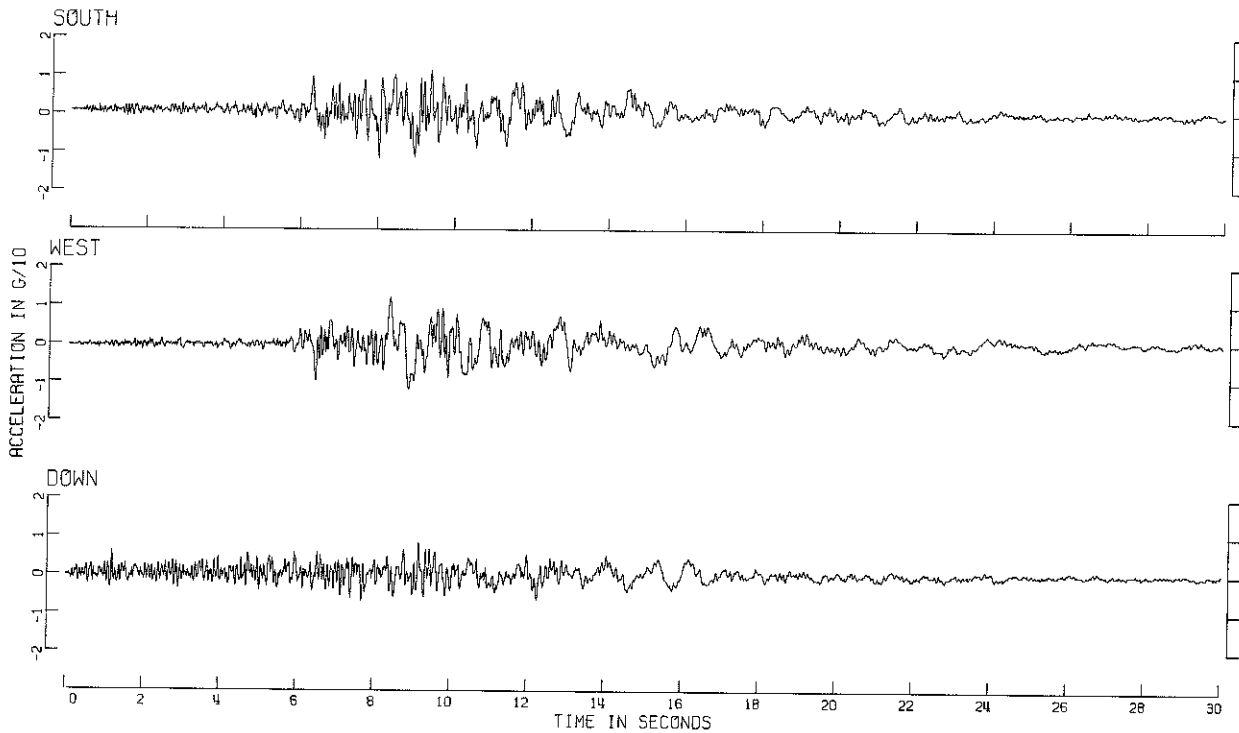


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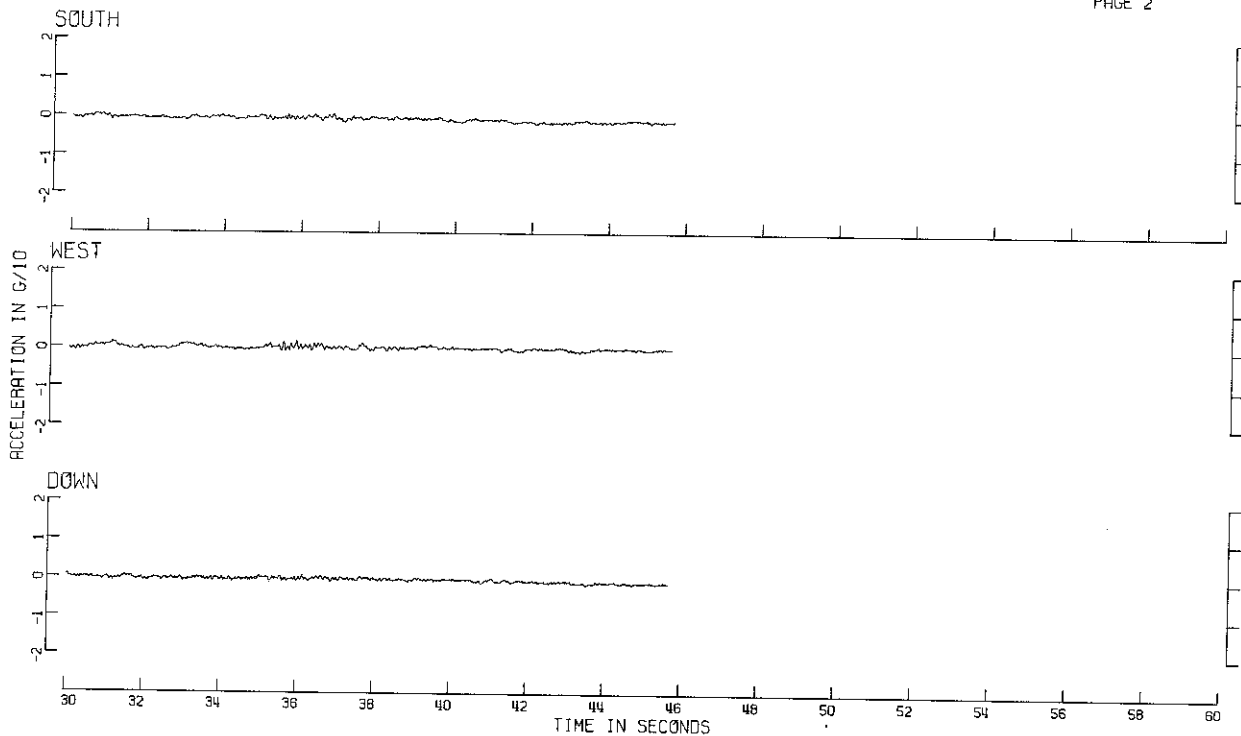


IH121 71.071 2/9/71 0600PST ALHAMBRA 900 S.FREMONT AVE. BSMT.



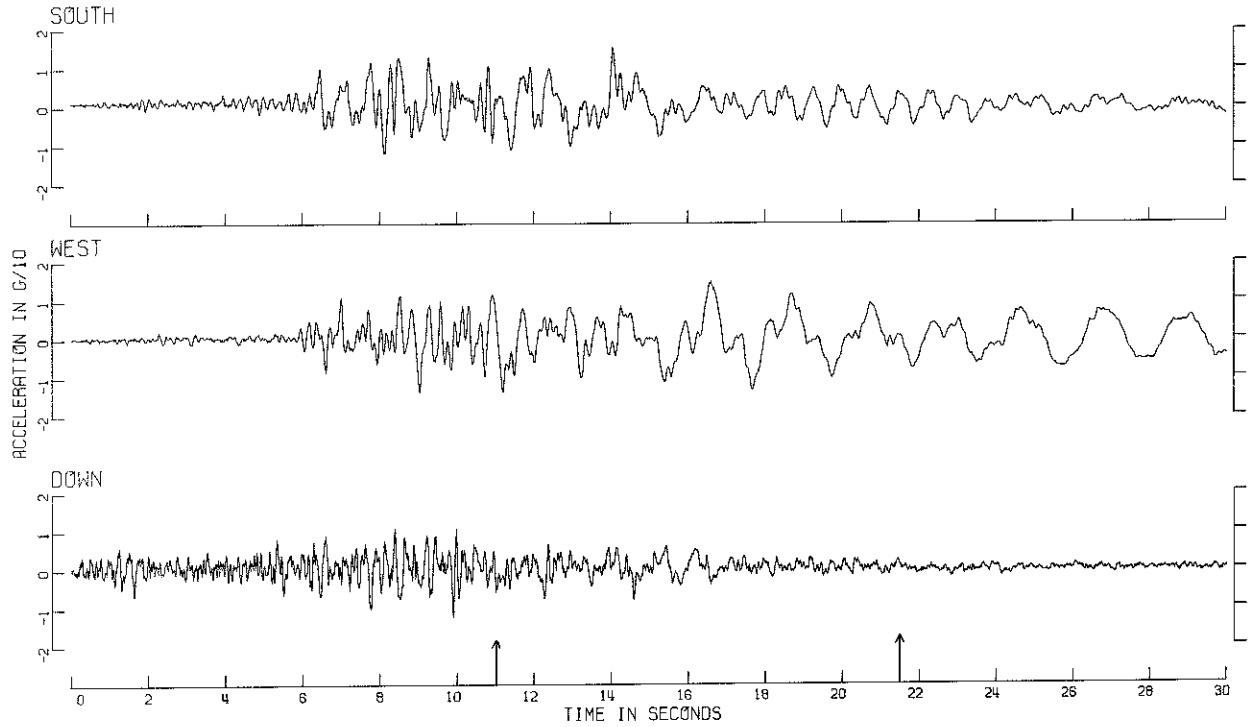
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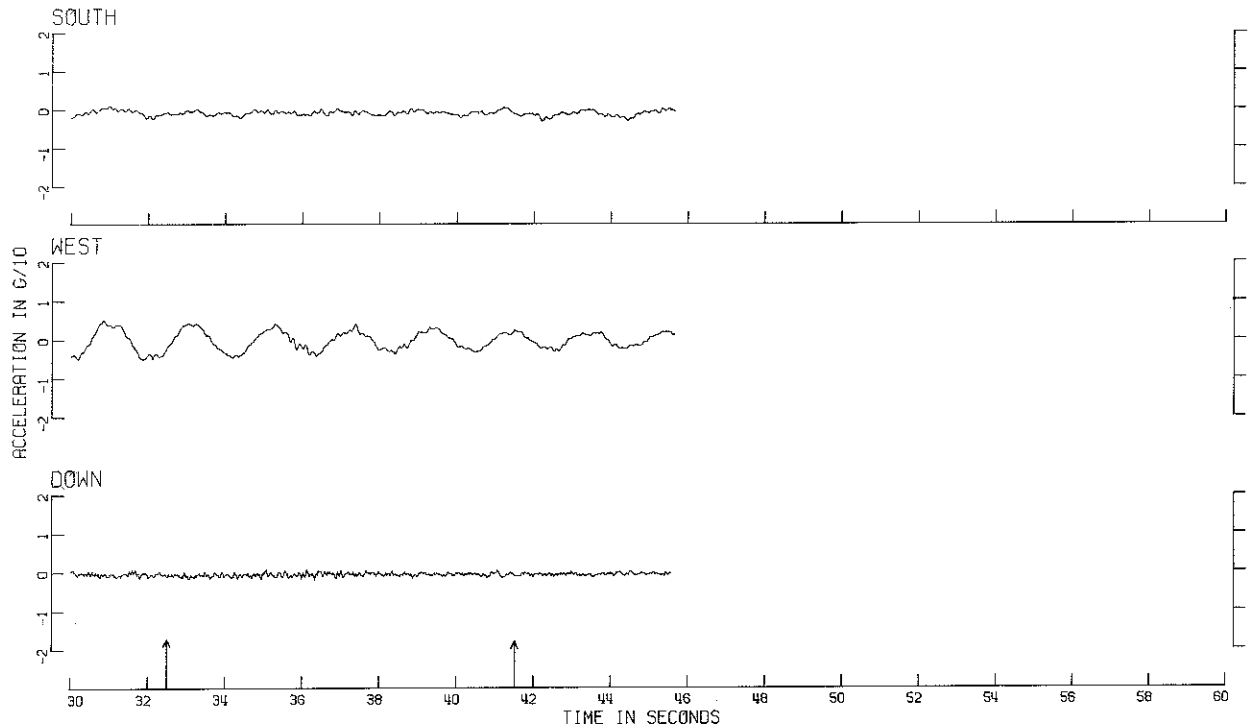


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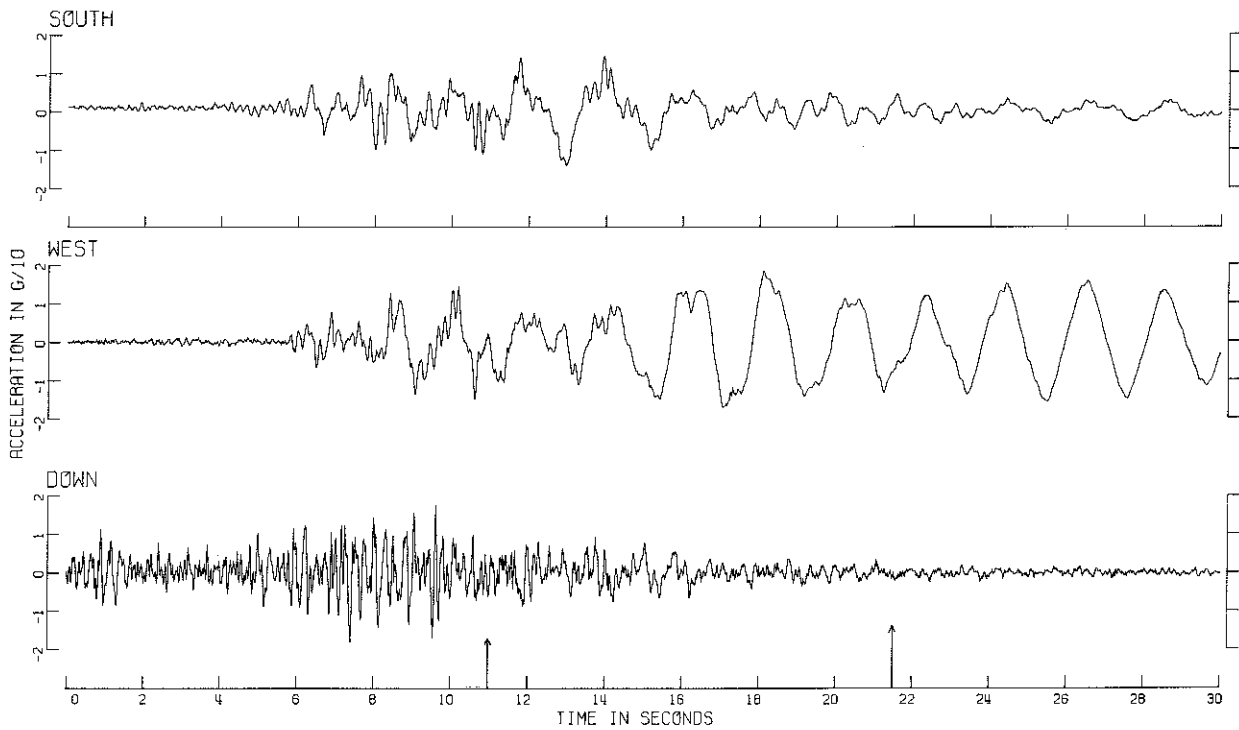
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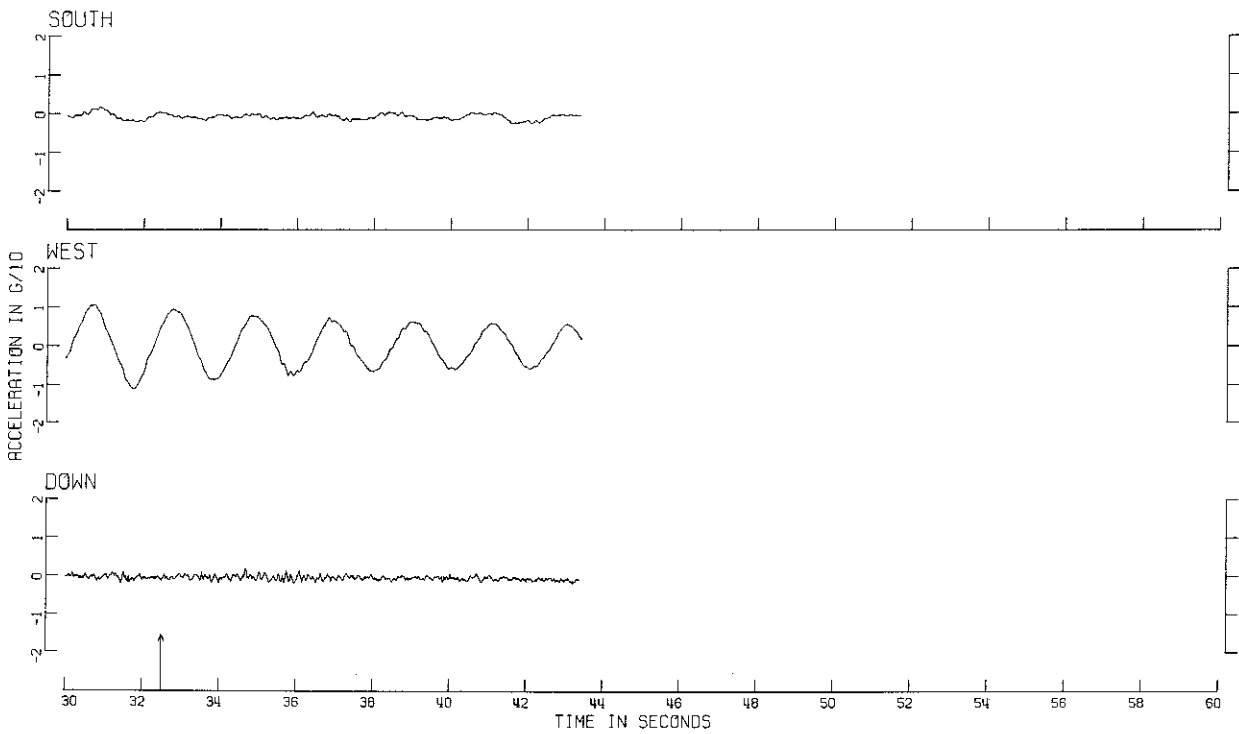


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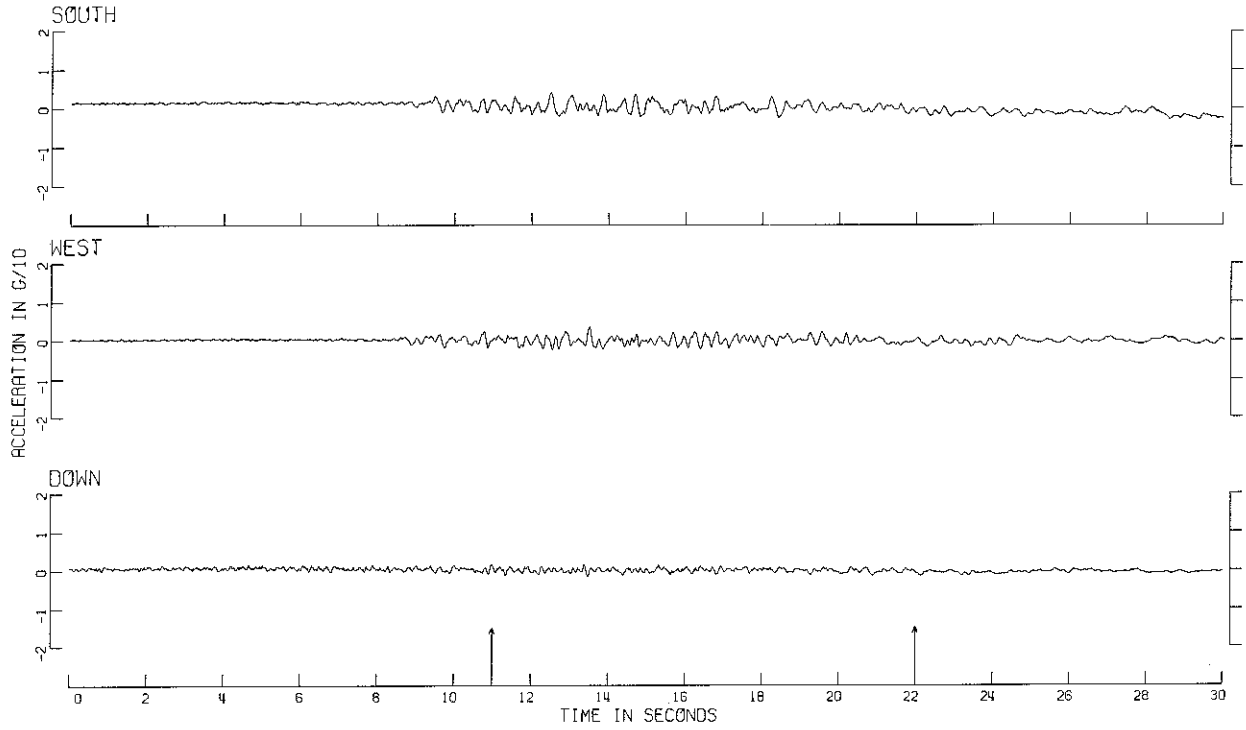
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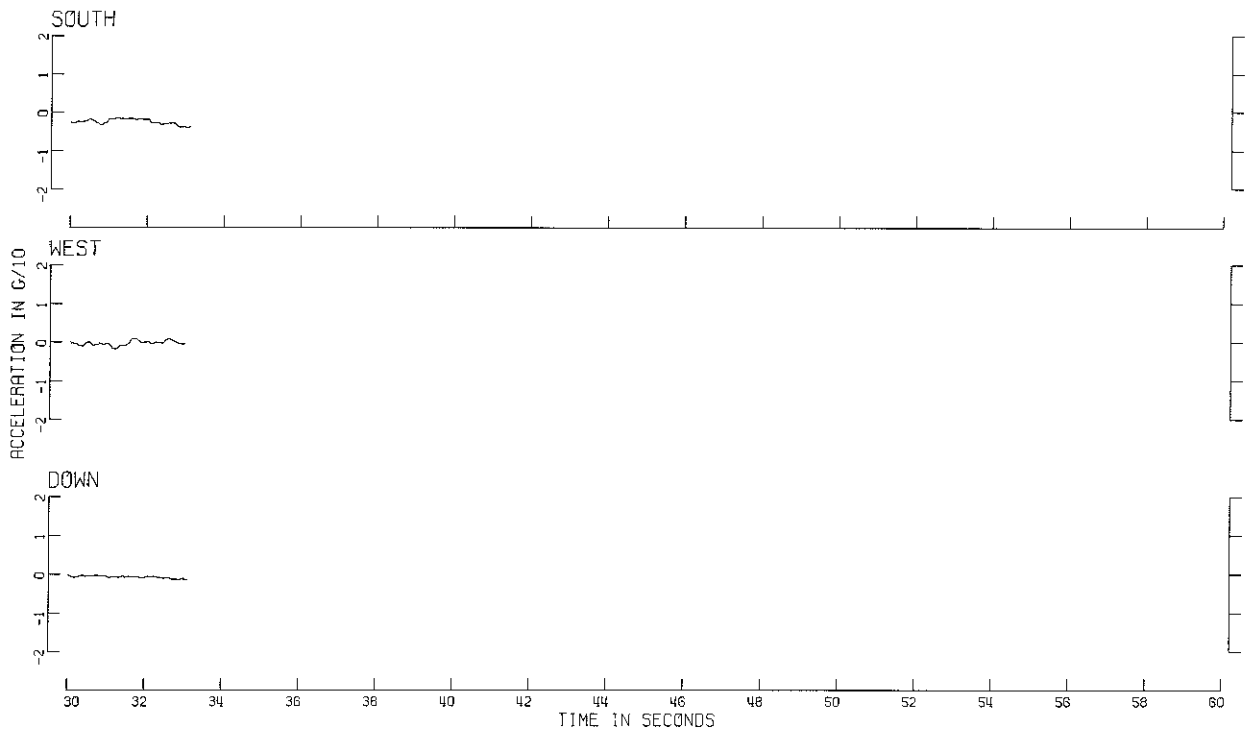


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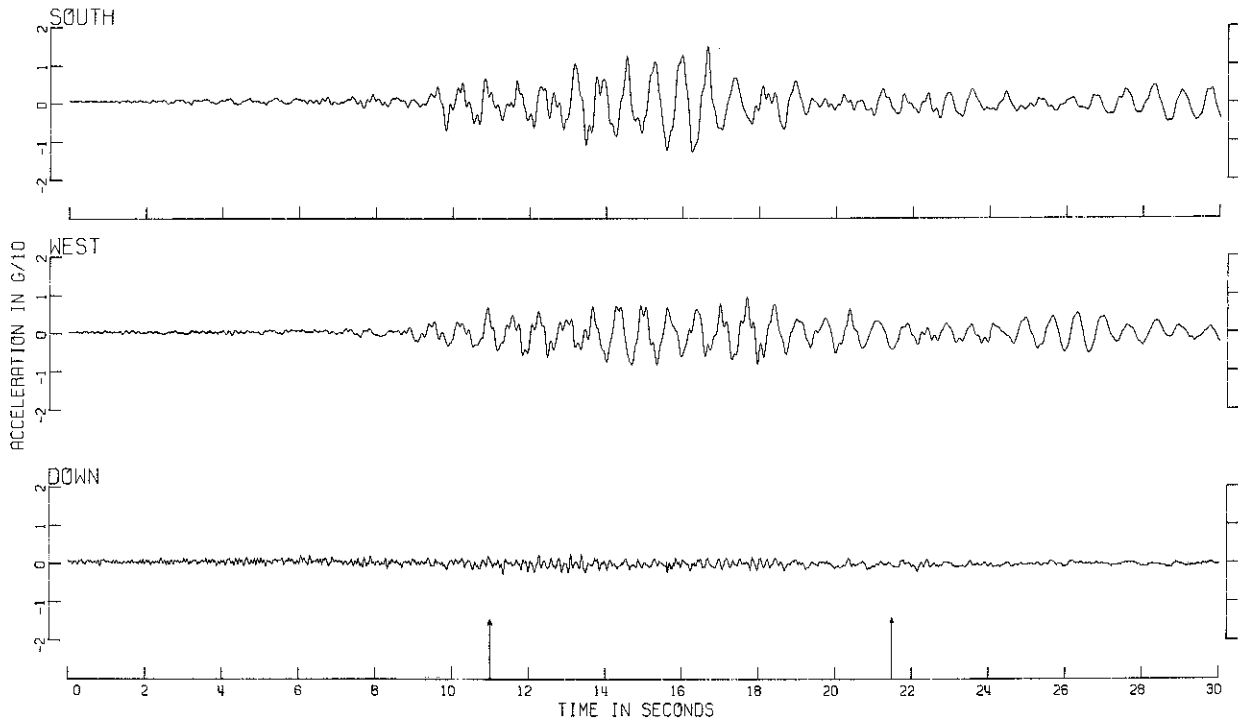
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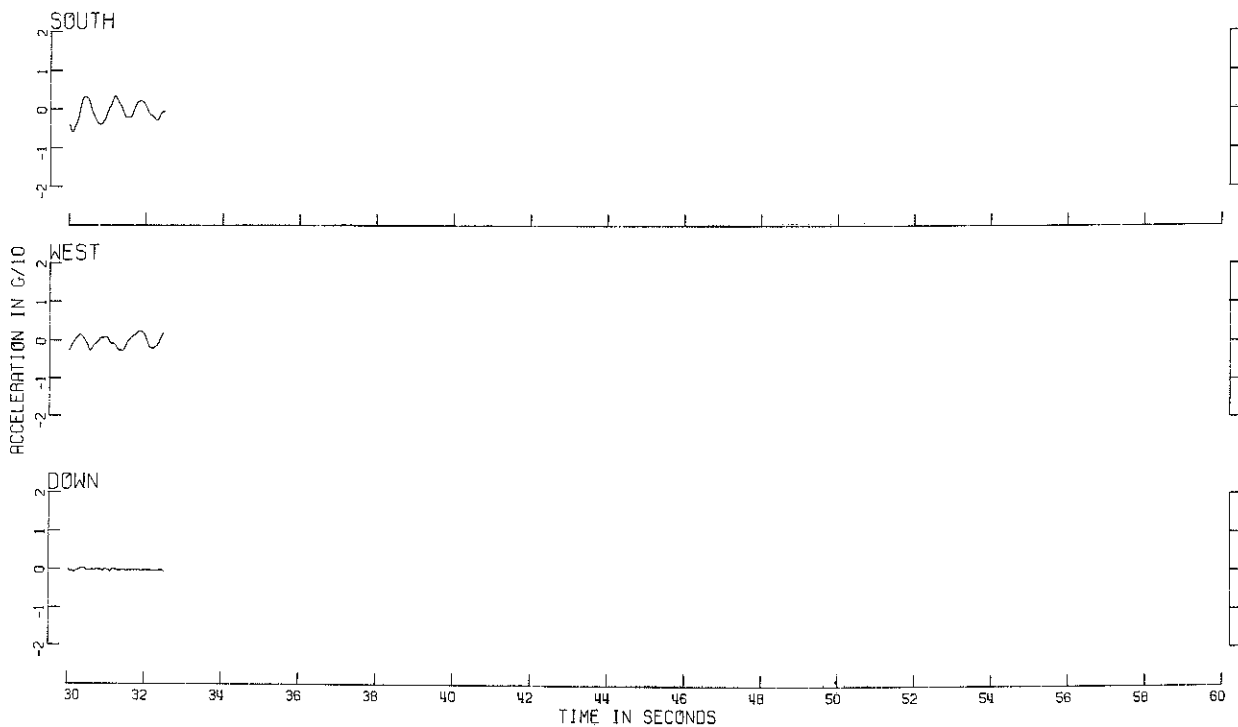


IH125 71.134 2/9/71 0600PST FULLERTON, 2600 NUTWOOD, PENT. (CTR)



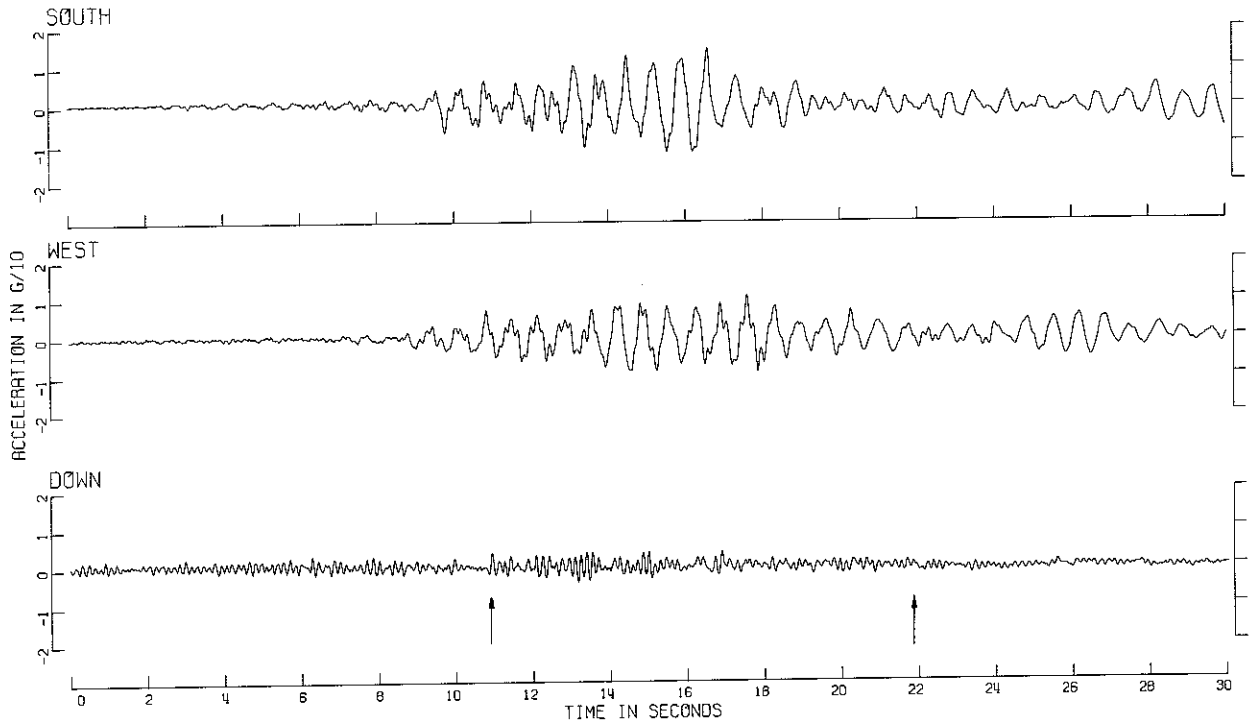
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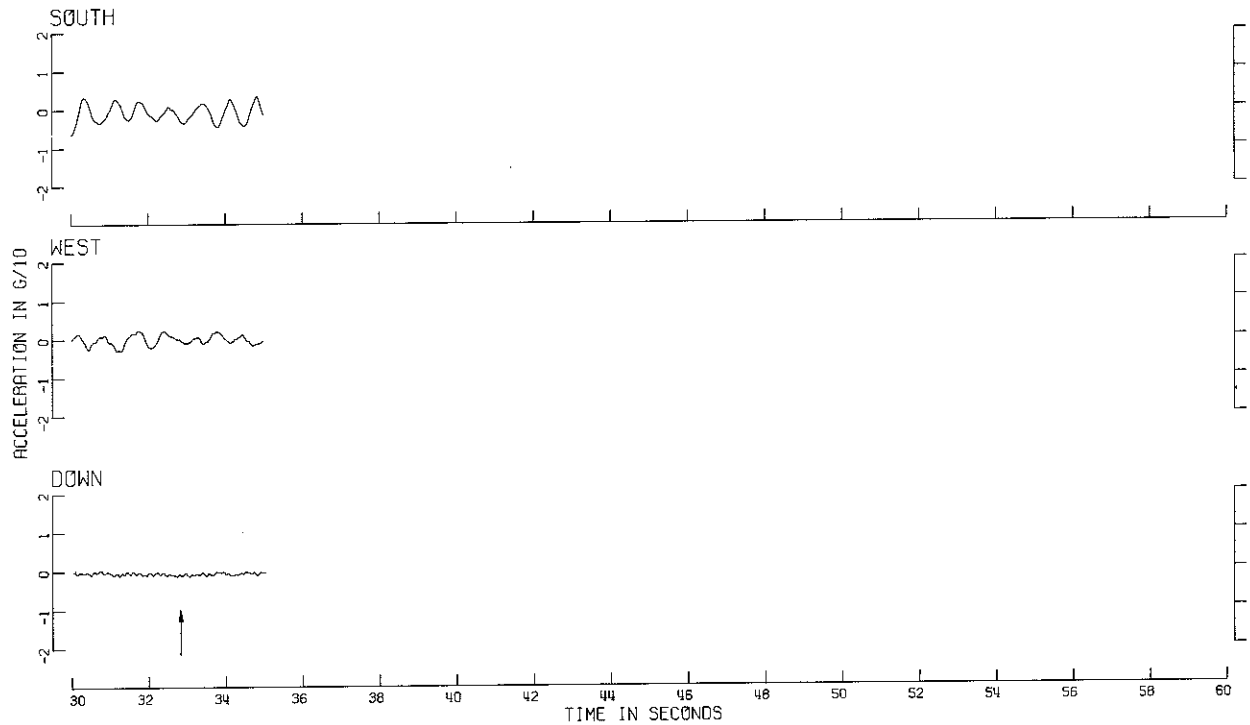


IH126 71.132 2/9/71 0600 PST FULLERTON, 2600 NUTWOOD AVE P.HSE



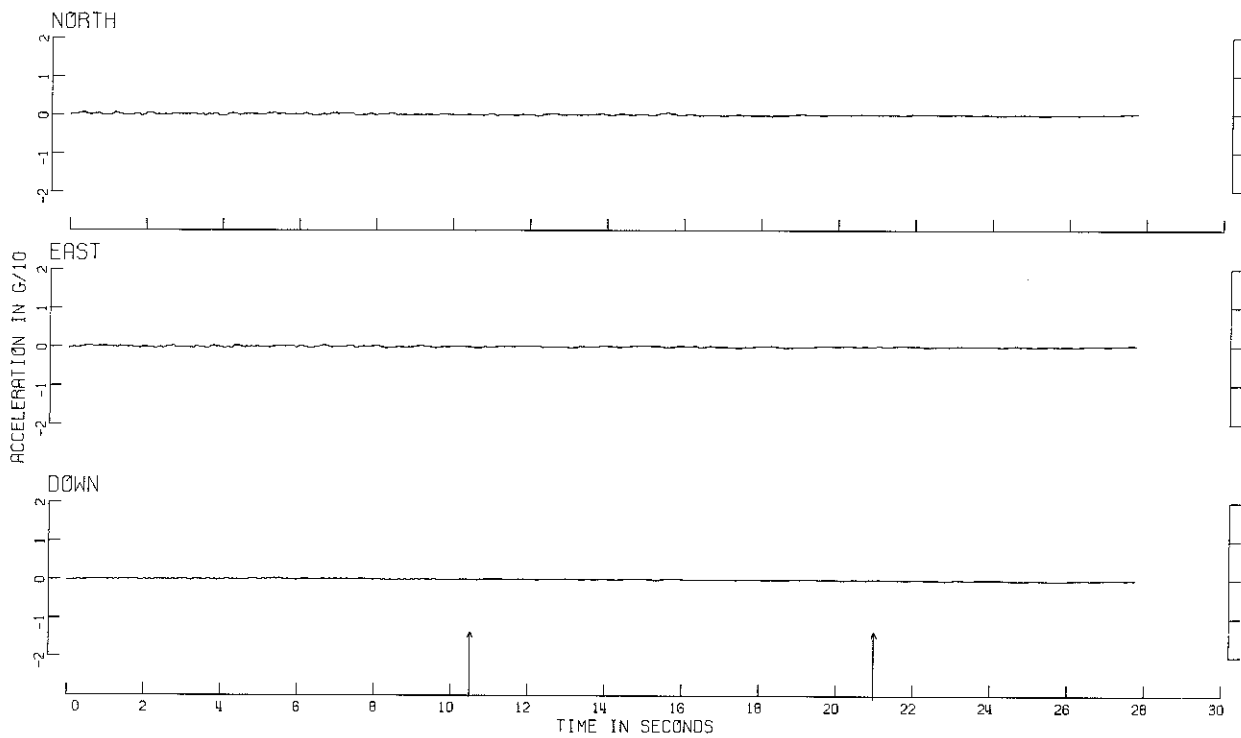
IH126 71.132 2/9/71 0600 PST FULLERTON, 2600 NUTWOOD AVE P.HSE

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IH127 71.228 2/9/71 0600PST SAN DIEGO GAS AND ELECTRIC BSMT.





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:

			<u>Cost</u>
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)	PB-209 749	6
EERL 71-23	" " (Vol. I, Part F)		6
EERL 72-20	" " (Vol. I, Part G)		3
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. Udawadia, 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	PB-209 666	3