

CALIFORNIA INSTITUTE OF TECHNOLOGY

EARTHQUAKE ENGINEERING RESEARCH LABORATORY

STRONG MOTION EARTHQUAKE ACCELEROGRAMS DIGITIZED AND PLOTTED DATA

VOLUME I - UNCORRECTED ACCELEROGRAMS

PART Q - ACCELEROGRAMS IQ233 THROUGH IQ243

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

LOG NOS: 71.162, 71.163, 71.164, 71.165,
71.166, 71.167, 71.168, 71.169,
71.170, 71.171, 71.172,

REPORT NO. EERL 73-22



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

PASADENA, CALIFORNIA

DECEMBER 1973

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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 eleven records consisting of two records from 9100 Wilshire Boulevard in Beverly Hills and three records each from the buildings at 14724 Ventura Boulevard and 800 W. First Street in Los Angeles, and 1760 N. Orchid Avenue in Hollywood.

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PREFACE TO VOLUME I, PART Q

This issue of uncorrected digitized earthquake records contains data from the San Fernando, California, earthquake of February 9, 1971. The data from this earthquake appeared first in Volume I, Part C, Report No. EERL 71-20, and this continuation includes records from the following locations:

1. 14724 Ventura Blvd., Los Angeles (3 records)
2. 1760 N. Orchid Avenue, Hollywood (3 records)
3. 9100 Wilshire Blvd., Beverly Hills (2 records)
4. 800 W. First Street, Los Angeles (3 records)

All these records are from MO-2 instruments using 35-mm film. Information on the film preparation for digitizing may be found in the preface to Volume I, Part P, Report No. EERL 73-21.

The records from the building at 14724 Ventura Boulevard however were digitized, as a test case, from the original 35-mm film. Special precautions were taken during digitizing, specifically the use of a 2x magnifying lens, a very dense digitizing rate, and the avoidance of translating the records on the digitizing table. Using the lens enabled the trace center-line to be followed as accurately as the discretizing capability of the digitizer allowed. This means that the digitizing error in the selection of a point on the acceleration trace is no more than $\pm 0.001g$, or $\pm 0.01g/10$, using the nominal sensitivity for the horizontal components of an MO-2 record. The selection of a point during standard digitizing of an AR-240 record, with no magnifying lens, is associated with a human error of, at worst, ± 3 discrete digitizer units. A discretizing capability of $\pm 0.002g/10$ gives an overall individual point accuracy of $\pm 0.006g/10$, which is of

the same order of accuracy as the figure above ($\pm 0.01g/10$) for the 35-mm film. It must be remembered, however, that careful digitizing throughout the entire length of a record results in a value for the root-mean-square human error considerably less than the values calculated in both of the above cases. In particular, the average standard deviation for random digitization errors in the standard data processing procedures is one discrete digitizer unit. The recording speed of the MO-2 instrument is sufficiently high that a digitizing rate in excess of 40 points per second was easily maintained. For these reasons it was expected that the high-frequency components were adequately recorded during the digitizing. This was confirmed by the general shape of the Fourier spectrum plots and by a comparison with the spectra of a nearby building at 15250 Ventura Boulevard.

Long period accuracy was maintained with the high digitizing rate, which helps limit the long period amplitudes of the noise spectrum, and by digitizing a record length of only two feet with no consequent translation on the digitizing table. Only one of the records exceeded two feet in length—the 1st floor record was digitized to 36 sec, the total duration being 43 sec. Again, a comparison of the Fourier spectrum plots with those of the building at 15250 Ventura Boulevard confirms this long period accuracy. Another check can be made by comparing integrated ground displacements for the ground level records in the two buildings. The comparison is also good, when considered in the light of the assessment of long period errors included as a section in Volume II, Part G, Report No. EERL 73-52. The

special care taken with these three records has permitted their inclusion in this report with others which have undergone the standard processing.

Further comments on the records and digitizations in this report follow.

IQ233, 234, 235. 14724 Ventura Boulevard, Los Angeles; 1st, 6th, and 13th (Penthouse) Floors. These were specially digitized as described above. The 1st floor record was digitized to 36 sec from a total duration of 43 sec. The other two records were digitized for their entire length of 39 sec.

IQ236, 237, 238. 1760 North Orchid Avenue, Hollywood; Ground, 12th, and 23rd Floors. All records were digitized to the end at 41 to 42 seconds. The ground floor record had a very faint and intermittent time mark trace, but an estimate could be made of the average film transport speed, 1.67 cm/sec.

The particular model of the MO-2 instrument used in this building places the time mark trace above the three main acceleration traces but offset a few centimeters in the direction of increasing time. This is a consequence of the fact that the timing light is directed onto the film at a different location from where the accelerations are being recorded. Thus the clear time mark trace on the 12th floor record required a translation of 2.2 sec to align its first mark with the start of the acceleration traces.

There was no time mark trace on the 23rd floor record, and a typical MO-2 recording speed of 1.62 cm/sec was assumed.

IQ239, 240. 9100 Wilshire Boulevard, Beverly Hills; Basement and 5th Floor. These records were digitized to the end at 45 and 38 sec, respectively. There were no time marks on either record, and a typical MO-2 recording speed of 1.62 cm/sec was assumed.

IQ241, 242, 243. 800 West First Street, Los Angeles; 1st, 16th, and 33rd Floors. All records were digitized to the end at 47 to 49 sec. There was no time mark trace on the 1st floor record and the average speed of 1.62 cm/sec was used. The other two records had the offset time mark trace mentioned above in IQ237 and a translation of 1.47 sec was necessary in each case.

The question of where to discontinue digitizing the records, although not arising in this particular report, is answered in most cases on the basis of record amplitude. Experience with the Volume II correction procedures has shown that the decreased signal-to-noise ratio, occurring with low acceleration amplitudes, allows spurious long period components to become predominant. It is clear that future technological progress will perhaps allow more accurate digitizing and consequently a smaller signal-to-noise ratio may become acceptable. We are reporting here the digitized and actual lengths of the accelerograms so that those investigators who want to examine a particular record in more detail are familiar with the basic data available. The amplitudes of the omitted portions of the accelerograms typically do not exceed the levels indicated by the average amplitudes at the end of the digitized portion which can be seen in the plots at the back of this report.

In conclusion we should like to express our gratitude to Mr. Vincent Lee, who has carried out the various details for the production of the Volume I series of tapes with special care and attention, to Miss Barbara Turner and Miss Sharon Vedrode for the typing and editing, to the staff of the Willis H. Booth Computing Center, and to the Caltech Graphic Arts Facilities. We acknowledge the general support of the Earthquake Research Affiliates Program and the grants from the National Science Foundation. We appreciate the cooperation of the Seismic Engineering Branch of the U.S. Geological Survey (formerly the Seismological Field Survey of the National Oceanic and Atmospheric Administration) and the National Science Foundation.

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NOTES ON THE VOLUME I SERIES

The following includes some general background information describing the Volume I series.

Parts A and B contained data from records dating from the Long Beach earthquake of March 10, 1933. The most recent earthquake represented in these two early parts was the Borrego Mountain, California, earthquake of April 8, 1968, from which three records were selected. Part C contained the first of the records from the San Fernando, California, earthquake of February 9, 1971, a sufficiently important earthquake that all the records considered suitable for standard digitizing will be included in the issues following Part C.

The preface to Part A contained details of preparation for digitization of photographic paper records, while Part G contained the details for 70-mm film preparation. The first of the 35-mm film records from the San Fernando earthquake appeared in Part P where information on the film preparation for digitizing may be found.

A description of the naming of component directions of the records was given in Part M. Consistent with this, the component direction, where it appears in this report, refers to the direction of the transducer pendulum motion for the trace to be deflected "up" on the record when viewed in the normal way with time increasing from left to right. This has been the procedure followed consistently by the Seismic Engineering Branch, U. S. Geological Survey (formerly the Seismological Field Survey, U. S. Coast and Geodetic Survey). During earthquake acceleration measurements the transducer pendulum responds

dynamically to an "inertia force" whose direction is opposite to that of the acceleration of the instrument base. It follows that the true ground acceleration will be opposite to the pendulum motion defined above. For those applications requiring true ground motion, therefore, the directions as given in the standard data of the Volume I series will need to be reversed.

Some reproductions in the publication "United States Earthquakes" issued by the National Oceanic and Atmospheric Administration (formerly the U.S. Coast and Geodetic Survey) have reversed component directions to indicate true ground motion. A few special cases of incorrect component description, a result of these reversed component directions, appeared in Parts A and B and a complete list of their correct directions was included in Part M.

The plots following the computer printouts contain arrows indicating the length of the digitized portion in each film set-up on the digitizing table. Each individual trace has asterisks inserted in the computer printout next to the coordinates of the points corresponding to these arrows.

All of the reports in this Volume I contain references concerning particular aspects of the various earthquake records. A list of these reports and other publications of the Earthquake Engineering Research Laboratory appears at the back of this issue, including the EERL Report Number and the Accession Number, with which they are obtainable from:

National Technical Information Service
U.S. Department of Commerce
Springfield, Virginia 22151.

The records included in the various parts of Volume I appear subsequently in the same parts of Volumes II, III, and IV, except for a number of deletions of low amplitude accelerograms in Parts G through Y. The Volume II reports present corrected digitized data prepared so that the maximum information over the widest practicable frequency range is available. Part G of Volume II, Report No. EERL 73-52, contains in the section entitled "Current Assessment of Long Period Errors" a detailed description of the selection of a long period limit of 8 seconds for all 70- and 35-mm film records, compared with the standard of approximately 15 sec, as a consequence primarily of the preparation and digitization techniques used in obtaining the original data.

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

| Series Ref. No. | Caltech Log No. | Instrmt; Serial No. | Station No.; Location | Component Direction | Period* T ₀ , (sec) | Sens. (cm/g) | Damp* Ratio, ξ | Damp* % crit. |
|--------------------|--------------------|------------------------|---|------------------------|-----------------------------------|----------------------|-----------------------|----------------------|
| IQ233 | 71.162 | MO-2 165 | 253 Los Angeles, 14724 Ventura Boulevard, 1st Floor | S12W N78W Up | 0.03 0.03 0.03 | 1.51 1.53 2.36 | 10 10 10 | 59.2 59.2 59.2 |
| IQ234 | 71.163 | MO-2 129 | 254 Los Angeles, 14724 Ventura Boulevard, 6th Floor | S12W N78W Up | 0.03 0.03 0.03 | 1.57 1.57 2.42 | 10 10 10 | 59.2 59.2 59.2 |
| IQ235 | 71.164 | MO-2 188 | 255 Los Angeles, 14724 Ventura Boulevard, Penthouse | S12W N78W Up | 0.03 0.03 0.03 | 1.52 1.53 2.34 | 10 10 10 | 59.2 59.2 59.2 |
| IQ236 | 71.165 | MO-2 152 | 446 Hollywood, 1760 N. Orchid Avenue, Ground Floor | South East Up | 0.03 0.03 0.03 | 1.47 1.52 2.34 | 10 10 10 | 59.2 59.2 59.2 |
| IQ237 | 71.166 | MO-2 135 | 447 Hollywood, 1760 N. Orchid Avenue, 12th Floor | South East Up | 0.03 0.03 0.03 | 1.54 1.55 2.26 | 10 10 10 | 59.2 59.2 59.2 |
| IQ238 | 71.167 | MO-2 132 | 448 Hollywood, 1760 N. Orchid Avenue, 23rd Floor | South East Up | 0.03 0.03 0.03 | 1.54 1.57 2.42 | 10 10 10 | 59.2 59.2 59.2 |
| IQ239 | 71.168 | MO-2 148 | 416 Beverly Hills, 9100 Wilshire Boulevard, Basement | South East Up | 0.03 0.03 0.03 | 1.54 1.49 2.44 | 10 10 10 | 59.2 59.2 59.2 |
| IQ240 | 71.169 | MO-2 133 | 417 Beverly Hills, 9100 Wilshire Boulevard, 5th Floor | South East Up | 0.03 0.03 0.03 | 1.42 1.51 2.30 | 10 10 10 | 59.2 59.2 59.2 |

* See footnotes at end of table.

INSTRUMENT CHARACTERISTICS FOR THE SAN FERNANDO EARTHQUAKE, 2-9-71, 0600 PST (cont.)

| Series Ref. No. | Caltech Log No. | Instrmt; Serial No. | Station No.; Location | Component Direction | Period* T _o (sec) | Sens. (cm/g) | Damp* Ratio, ε | Damp* % crit. |
|--------------------|--------------------|------------------------|--|------------------------|---------------------------------|----------------------|-------------------|----------------------|
| IQ241 | 71.170 | MO-2 59 | 172 Los Angeles, 800 W. First Street, 1st Floor | N37E N53W Up | 0.03 0.03 0.03 | 1.59 1.60 2.36 | 10 10 10 | 59.2 59.2 59.2 |
| IQ242 | 71.171 | MO-2 60 | 173 Los Angeles, 800 W. First Street, 16th Floor | N37E N53W Up | 0.03 0.03 0.03 | 1.57 1.59 2.39 | 10 10 10 | 59.2 59.2 59.2 |
| IQ243 | 71.172 | MO-2 81 | 174 Los Angeles, 800 W. First Street, 33rd Floor | N37E N53W Up | 0.03 0.03 0.03 | 1.61 1.56 2.36 | 10 10 10 | 59.2 59.2 59.2 |

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

The periods and damping ratios reported here are nominal values, since there is no calibration test available for these instruments.

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

EARTHQUAKE DATA

The San Fernando, California, Earthquake of February 9, 1971,
0600 PST; epicenter, $34^{\circ}24.0'N$, $118^{\circ}23.7'W$; maximum intensity, XI;
revised magnitude, (M_L), 6.4; depth, 13.0 km.

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10233

71-162. 2/9/71 0600PST 14724 VENTURA BOULEVARD, 1ST FLOOR, LOS ANGELES, CAL. S12W

2300 POINTS 36.519 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 ADIRECTION, IS 0.4518 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|-------|------|-------|
| 0.0 | -0.049 | 0.030 | -0.027 | 0.053 | -0.026 | 0.089 | -0.047 | 3.051 | 0.148 | 3.066 | 0.062 | 3.077 | -0.066 | 3.096 | -0.238 | | | | |
| 0.115 | -0.068 | 0.147 | -0.025 | 0.174 | -0.024 | 0.213 | -0.023 | 3.113 | -0.196 | 3.128 | 0.078 | 3.149 | -0.114 | 3.168 | -0.051 | | | | |
| 0.234 | -0.023 | 0.257 | 0.020 | 0.281 | -0.001 | 0.319 | -0.042 | 3.209 | -0.096 | 3.236 | 0.008 | 3.262 | -0.100 | 3.294 | 0.111 | | | | |
| 0.342 | -0.042 | 0.355 | -0.084 | 0.378 | -0.084 | 0.425 | -0.084 | 3.313 | 0.088 | 3.338 | 0.023 | 3.368 | 0.106 | 3.394 | 0.041 | | | | |
| 0.459 | -0.020 | 0.481 | -0.043 | 0.498 | -0.064 | 0.517 | 0.086 | 3.423 | -0.046 | 3.451 | -0.239 | 3.479 | -0.049 | 3.498 | 0.035 | | | | |
| 0.530 | -0.022 | 0.547 | -0.042 | 0.566 | -0.085 | 0.583 | -0.086 | 3.528 | 0.225 | 3.551 | 0.075 | 3.574 | -0.224 | 3.613 | -0.162 | | | | |
| 0.602 | -0.065 | 0.614 | -0.044 | 0.634 | -0.023 | 0.649 | 0.040 | 3.642 | -0.057 | 3.657 | -0.079 | 3.681 | 0.111 | 3.710 | 0.003 | | | | |
| 0.665 | 0.040 | 0.689 | -0.003 | 0.712 | -0.025 | 0.746 | -0.090 | 3.747 | 0.277 | 3.768 | 0.062 | 3.793 | 0.064 | 3.821 | 0.043 | | | | |
| 0.763 | -0.133 | 0.778 | -0.048 | 0.785 | -0.006 | 0.810 | 0.026 | 3.859 | 0.257 | 3.878 | 0.023 | 3.908 | 0.024 | 3.934 | -0.103 | | | | |
| 0.831 | 0.039 | 0.842 | 0.061 | 0.868 | 0.083 | 0.885 | -0.001 | 3.953 | -0.060 | 3.970 | -0.123 | 3.991 | -0.016 | 4.027 | -0.185 | | | | |
| 0.908 | 0.043 | 0.933 | 0.023 | 0.950 | 0.045 | 0.970 | -0.102 | 4.049 | -0.100 | 4.074 | -0.142 | 4.100 | -0.162 | 4.127 | 0.072 | | | | |
| 0.987 | -0.080 | 1.008 | -0.036 | 1.029 | 0.029 | 1.051 | -0.012 | 4.149 | 0.030 | 4.185 | -0.117 | 4.208 | -0.031 | 4.240 | 0.225 | | | | |
| 1.067 | 0.032 | 1.089 | -0.009 | 1.108 | 0.056 | 1.127 | -0.006 | 4.263 | 0.438 | 4.274 | 0.226 | 4.297 | -0.347 | 4.321 | -0.006 | | | | |
| 1.140 | -0.005 | 1.163 | 0.061 | 1.186 | -0.065 | 1.204 | -0.169 | 4.336 | 0.144 | 4.353 | 0.017 | 4.391 | -0.194 | 4.417 | -0.299 | | | | |
| 1.220 | -0.102 | 1.225 | 0.005 | 1.255 | 0.005 | 1.291 | 0.029 | 4.442 | -0.129 | 4.465 | 0.234 | 4.482 | 0.341 | 4.497 | 0.235 | | | | |
| 1.308 | -0.054 | 1.321 | -0.074 | 1.344 | -0.072 | 1.365 | -0.092 | 4.525 | 0.321 | 4.553 | 0.152 | 4.587 | 0.260 | 4.602 | 0.090 | | | | |
| 1.391 | -0.071 | 1.408 | -0.071 | 1.425 | -0.049 | 1.442 | 0.015 | 4.629 | -0.570 | 4.659 | -0.400 | 4.676 | -0.443 | 4.706 | -0.316 | | | | |
| 1.459 | 0.163 | 1.476 | 0.163 | 1.510 | 0.078 | 1.529 | -0.028 | 4.742 | -0.104 | 4.767 | 0.257 | 4.782 | 0.278 | 4.804 | 0.236 | | | | |
| 1.552 | -0.134 | 1.567 | -0.049 | 1.586 | 0.079 | 1.599 | 0.015 | 4.833 | 0.342 | 4.852 | 0.065 | 4.880 | -0.212 | 4.904 | 0.086 | | | | |
| 1.612 | -0.134 | 1.622 | -0.197 | 1.639 | -0.155 | 1.663 | -0.091 | 4.942 | -0.298 | 4.972 | 0.021 | 4.995 | -0.086 | 5.012 | 0.255 | | | | |
| 1.678 | -0.091 | 1.695 | -0.070 | 1.724 | -0.070 | 1.737 | -0.006 | 5.031 | 0.680 | 5.048 | 0.574 | 5.069 | 0.447 | 5.084 | 0.128 | | | | |
| 1.754 | 0.079 | 1.769 | 0.143 | 1.792 | 0.100 | 1.805 | -0.028 | 5.097 | -0.594 | 5.114 | -1.359 | 5.127 | -1.550 | 5.154 | -1.486 | | | | |
| 1.827 | 0.014 | 1.835 | -0.071 | 1.858 | -0.136 | 1.880 | -0.094 | 5.184 | -1.380 | 5.195 | -1.167 | 5.210 | -0.550 | 5.229 | 0.555 | | | | |
| 1.892 | -0.009 | 1.907 | 0.097 | 1.927 | 0.011 | 1.943 | -0.138 | 5.241 | 0.980 | 5.261 | 1.491 | 5.280 | 1.788 | 5.299 | 2.171 | | | | |
| 1.967 | -0.181 | 1.982 | -0.118 | 2.001 | -0.033 | 2.016 | 0.051 | 5.316 | 2.405 | 5.348 | 1.896 | 5.359 | 1.471 | 5.380 | 0.430 | | | | |
| 2.027 | 0.030 | 2.046 | -0.013 | 2.073 | 0.050 | 2.084 | 0.071 | 5.410 | -2.035 | 5.426 | -2.396 | 5.452 | -2.183 | 5.467 | -1.438 | | | | |
| 2.094 | 0.028 | 2.109 | -0.015 | 2.131 | 0.006 | 2.145 | -0.101 | 5.476 | -0.992 | 5.492 | -0.460 | 5.507 | -0.247 | 5.522 | -0.566 | | | | |
| 2.160 | -0.059 | 2.177 | -0.123 | 2.195 | -0.207 | 2.212 | -0.144 | 5.544 | -0.863 | 5.565 | 2.094 | 5.595 | 0.882 | 5.607 | 1.498 | | | | |
| 2.228 | 0.090 | 2.239 | 0.324 | 2.252 | 0.388 | 2.260 | 0.346 | 5.618 | 1.860 | 5.635 | 1.924 | 5.650 | 1.924 | 5.665 | 1.627 | | | | |
| 2.284 | 0.198 | 2.305 | -0.015 | 2.320 | -0.227 | 2.337 | -0.312 | 5.697 | 0.034 | 5.718 | -0.560 | 5.733 | -0.390 | 5.756 | -0.304 | | | | |
| 2.364 | -0.312 | 2.382 | -0.333 | 2.396 | -0.205 | 2.416 | 0.094 | 5.786 | 0.121 | 5.803 | -0.594 | 5.829 | -1.024 | 5.860 | -1.999 | | | | |
| 2.443 | 0.051 | 2.456 | 0.115 | 2.479 | 0.158 | 2.492 | 0.094 | 5.875 | -1.509 | 5.897 | 0.594 | 5.922 | -0.104 | 5.945 | -0.230 | | | | |
| 2.505 | 0.030 | 2.516 | -0.076 | 2.526 | -0.097 | 2.550 | -0.096 | 5.969 | -0.781 | 5.996 | -0.035 | 6.014 | -0.395 | 6.028 | -0.670 | | | | |
| 2.562 | -0.096 | 2.584 | 0.010 | 2.609 | -0.033 | 2.622 | 0.009 | 6.043 | -0.712 | 6.064 | -0.243 | 6.082 | -0.162 | 6.105 | -0.006 | | | | |
| 2.637 | 0.158 | 2.654 | 0.285 | 2.660 | 0.221 | 2.667 | 0.115 | 6.120 | -0.005 | 6.141 | 0.187 | 6.150 | 0.358 | 6.171 | 0.465 | | | | |
| 2.675 | 0.094 | 2.696 | 0.072 | 2.707 | -0.013 | 2.722 | -0.204 | 6.194 | 0.871 | 6.220 | 0.258 | 6.237 | 0.304 | 6.262 | 0.499 | | | | |
| 2.741 | -0.247 | 2.771 | -0.226 | 2.788 | -0.227 | 2.811 | -0.099 | 6.286 | 0.226 | 6.301 | -0.069 | 6.328 | -0.397 | 6.337 | -1.104 | | | | |
| 2.822 | 0.113 | 2.828 | 0.155 | 2.839 | 0.092 | 2.862 | 0.091 | 6.362 | -0.590 | 6.377 | -0.184 | 6.398 | -0.393 | 6.426 | 0.079 | | | | |
| 2.868 | 0.027 | 2.890 | -0.122 | 2.915 | 0.005 | 2.941 | -0.080 | 6.451 | -0.194 | 6.481 | 0.215 | 6.511 | -0.184 | 6.532 | 0.329 | | | | |
| 2.975 | -0.017 | 2.998 | -0.146 | 3.019 | -0.020 | 3.037 | 0.191 | 6.547 | 0.927 | 6.579 | 1.570 | 6.586 | 1.124 | 6.607 | 0.043 | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6.622 | -1.720 | 6.641 | -2.166 | 6.654 | -1.889 | 6.677 | -0.995 | 10.447 | -2.502 | 10.458 | -2.246 | 10.464 | -1.842 | 10.472 | -1.268 |
| 6.702 | 0.133 | 6.724 | 0.665 | 6.747 | 0.284 | 6.777 | 0.477 | 10.479 | -0.800 | 10.487 | -0.523 | 10.492 | -0.310 | 10.500 | -0.034 |
| 6.811 | 0.287 | 6.826 | 0.713 | 6.847 | 0.906 | 6.862 | 1.310 | 10.509 | 0.264 | 10.515 | 0.562 | 10.521 | 0.966 | 10.530 | 1.328 |
| 6.881 | 1.715 | 6.900 | 1.461 | 6.919 | 0.931 | 6.932 | 0.336 | 10.538 | 1.584 | 10.543 | 1.796 | 10.555 | 1.754 | 10.562 | 1.712 |
| 6.947 | -0.130 | 6.966 | -0.214 | 6.989 | -0.468 | 7.017 | -0.659 | 10.574 | 1.819 | 10.585 | 1.926 | 10.598 | 2.054 | 10.611 | 1.949 |
| 7.064 | -0.318 | 7.091 | -0.339 | 7.123 | 0.086 | 7.153 | 0.406 | 10.621 | 1.800 | 10.626 | 1.631 | 10.636 | 1.568 | 10.643 | 1.526 |
| 7.181 | 0.172 | 7.213 | 0.491 | 7.226 | 0.385 | 7.253 | -0.337 | 10.653 | 1.399 | 10.666 | 1.124 | 10.675 | 0.317 | 10.683 | -0.171 |
| 7.268 | -0.252 | 7.281 | -0.337 | 7.310 | -1.250 | 7.332 | -0.591 | 10.691 | -0.829 | 10.698 | -0.956 | 10.706 | -0.943 | 10.715 | -0.891 |
| 7.357 | 0.281 | 7.364 | -0.251 | 7.381 | -0.633 | 7.406 | -0.441 | 10.726 | -0.784 | 10.736 | -0.592 | 10.743 | -0.421 | 10.753 | -0.272 |
| 7.425 | 0.325 | 7.438 | 0.688 | 7.447 | 0.858 | 7.470 | 0.498 | 10.768 | -0.398 | 10.781 | -0.567 | 10.791 | -0.779 | 10.798 | -0.948 |
| 7.478 | 0.074 | 7.485 | -0.181 | 7.500 | -0.414 | 7.502 | -0.643 | 10.804 | -1.139 | 10.813 | -1.181 | 10.825 | -1.031 | 10.828 | -0.967 |
| 7.513 | -0.583 | 7.525 | -0.922 | 7.545 | -1.346 | 7.562 | -1.663 | 10.834 | -1.733 | 10.842 | -1.541 | 10.847 | -0.477 | 10.864 | -0.561 |
| 7.585 | -1.131 | 7.604 | -0.896 | 7.617 | 0.104 | 7.651 | 1.594 | 10.874 | -0.666 | 10.887 | -0.553 | 10.894 | -0.218 | 10.904 | 0.080 |
| 7.672 | 2.382 | 7.687 | 2.553 | 7.704 | 2.001 | 7.719 | 1.514 | 10.874 | -0.666 | 10.887 | -0.553 | 10.894 | -0.218 | 10.904 | 0.080 |
| 7.736 | 1.132 | 7.764 | 0.539 | 7.780 | 0.200 | 7.783 | 0.094 | 10.915 | 0.357 | 10.923 | 0.677 | 10.934 | 0.848 | 10.947 | 0.700 |
| 7.808 | -0.097 | 7.827 | -0.566 | 7.851 | -1.014 | 7.870 | -1.802 | 10.955 | 0.637 | 10.968 | 0.510 | 10.977 | 0.341 | 10.989 | -0.126 |
| 7.885 | -2.441 | 7.902 | -2.633 | 7.916 | -2.124 | 7.936 | -1.106 | 11.006 | -0.422 | 11.015 | -0.358 | 11.036 | -0.293 | 11.051 | -0.377 |
| 7.961 | 0.890 | 7.982 | 1.866 | 8.008 | 2.204 | 8.029 | 1.798 | 11.070 | -0.483 | 11.087 | -0.334 | 11.098 | -0.122 | 11.106 | 0.006 |
| 8.033 | 0.925 | 8.087 | -0.247 | 8.106 | -1.119 | 8.114 | -1.333 | 11.119 | 0.070 | 11.142 | 0.091 | 11.151 | 0.283 | 11.159 | 0.538 |
| 8.133 | -0.930 | 8.155 | -0.209 | 8.172 | 0.236 | 8.193 | 0.957 | 11.170 | 0.644 | 11.183 | 0.538 | 11.195 | 0.390 | 11.208 | 0.220 |
| 8.218 | 1.507 | 8.236 | 1.103 | 8.263 | 0.570 | 8.286 | 0.547 | 11.219 | 0.114 | 11.240 | -0.014 | 11.255 | -0.098 | 11.266 | -0.183 |
| 8.316 | 0.121 | 8.348 | -0.306 | 8.378 | 0.394 | 8.420 | 0.392 | 11.281 | -0.226 | 11.297 | -0.162 | 11.306 | -0.140 | 11.317 | -0.161 |
| 8.442 | -0.274 | 8.474 | -0.525 | 8.497 | -0.760 | 8.520 | -0.591 | 11.334 | 0.073 | 11.340 | 0.285 | 11.355 | 0.413 | 11.364 | 0.753 |
| 8.546 | -0.178 | 8.565 | -0.232 | 8.582 | -0.658 | 8.603 | -0.936 | 11.380 | 0.753 | 11.393 | 0.732 | 11.404 | 0.732 | 11.414 | 0.711 |
| 8.639 | -1.337 | 8.667 | -1.037 | 8.691 | -1.119 | 8.710 | -0.459 | 11.421 | 0.690 | 11.429 | 0.563 | 11.438 | 0.308 | 11.453 | -0.011 |
| 8.733 | 0.117 | 8.765 | 0.163 | 8.797 | 0.484 | 8.812 | 0.953 | 11.463 | -0.351 | 11.476 | -0.457 | 11.491 | -0.287 | 11.500 | -0.031 |
| 8.835 | 1.232 | 8.852 | 0.829 | 8.876 | 0.677 | 8.895 | -0.994 | 11.517 | -0.074 | 11.531 | -0.201 | 11.542 | -0.413 | 11.559 | -0.541 |
| 8.912 | -0.653 | 8.927 | -0.226 | 8.965 | 0.542 | 8.993 | 0.417 | 11.568 | -0.311 | 11.580 | -0.094 | 11.587 | 0.118 | 11.597 | 0.267 |
| 9.033 | 0.845 | 9.054 | 0.209 | 9.069 | -0.215 | 9.086 | -0.406 | 11.606 | 0.374 | 11.621 | 0.416 | 11.633 | 0.480 | 11.642 | 0.587 |
| 9.109 | 0.493 | 9.135 | -0.212 | 9.154 | 0.087 | 9.186 | 0.556 | 11.650 | 0.757 | 11.655 | 0.906 | 11.663 | 1.033 | 11.678 | 0.906 |
| 9.209 | 0.493 | 9.222 | -0.016 | 9.235 | -0.228 | 9.258 | -0.524 | 11.691 | 0.524 | 11.701 | 0.120 | 11.710 | -0.284 | 11.719 | -0.496 |
| 9.267 | 0.029 | 9.295 | 0.370 | 9.311 | 0.329 | 9.320 | -0.160 | 11.729 | -0.666 | 11.739 | -0.772 | 11.755 | -0.900 | 11.772 | -1.154 |
| 9.337 | -0.499 | 9.365 | -0.285 | 9.397 | 0.248 | 9.420 | 0.589 | 11.785 | -1.367 | 11.799 | -1.600 | 11.814 | -1.430 | 11.829 | -1.281 |
| 9.441 | 0.610 | 9.471 | 0.885 | 9.496 | 0.630 | 9.516 | 0.629 | 11.840 | -1.132 | 11.853 | -0.919 | 11.863 | -0.727 | 11.876 | -0.514 |
| 9.539 | 0.033 | 9.554 | -0.307 | 9.599 | 0.499 | 9.615 | -0.054 | 11.886 | -0.238 | 11.897 | 0.088 | 11.906 | 0.103 | 11.920 | 0.338 |
| 9.628 | -0.670 | 9.643 | -0.968 | 9.671 | -0.480 | 9.688 | -0.204 | 11.927 | 0.508 | 11.935 | 0.657 | 11.957 | 0.530 | 11.967 | 0.382 |
| 9.699 | 0.178 | 9.711 | 0.496 | 9.716 | 0.603 | 9.724 | 0.624 | 11.980 | 0.212 | 11.989 | -0.021 | 11.999 | -0.361 | 12.010 | -0.445 |
| 9.732 | 0.581 | 9.745 | 0.453 | 9.754 | 0.346 | 9.762 | 0.091 | 12.018 | -0.360 | 12.035 | -0.232 | 12.050 | -0.359 | 12.071 | -0.358 |
| 9.775 | -0.292 | 9.779 | -0.526 | 9.790 | -0.951 | 9.798 | -1.185 | 12.086 | -0.400 | 12.089 | -0.548 | 12.105 | -0.335 | 12.118 | -0.292 |
| 9.805 | -1.334 | 9.817 | -1.419 | 9.824 | -1.313 | 9.837 | -1.165 | 12.127 | -0.292 | 12.146 | -0.334 | 12.157 | -0.184 | 12.163 | -0.035 |
| 9.847 | -0.889 | 9.860 | -0.379 | 9.869 | 0.067 | 9.881 | 0.364 | 12.172 | 0.093 | 12.186 | 0.242 | 12.193 | 0.263 | 12.206 | 0.136 |
| 9.890 | 0.640 | 9.900 | 0.746 | 9.909 | 0.810 | 9.917 | 0.852 | 12.216 | -0.033 | 12.223 | -0.309 | 12.231 | -0.564 | 12.240 | -0.882 |
| 9.928 | 0.767 | 9.934 | 0.703 | 9.945 | 0.554 | 9.956 | 0.490 | 12.252 | -1.052 | 12.263 | -1.031 | 12.278 | -1.116 | 12.291 | -1.222 |
| 9.962 | 0.384 | 9.971 | 0.192 | 9.981 | 0.043 | 9.988 | -0.064 | 12.299 | -1.307 | 12.314 | -1.137 | 12.322 | -0.924 | 12.329 | -0.860 |
| 9.998 | -0.170 | 10.013 | -0.022 | 10.024 | 0.127 | 10.030 | 0.254 | 12.339 | -0.301 | 12.350 | -0.605 | 12.363 | -0.668 | 12.376 | -0.711 |
| 10.039 | 0.403 | 10.054 | 0.296 | 10.058 | -0.083 | 10.071 | -0.172 | 12.390 | -0.732 | 12.397 | -0.817 | 12.410 | -0.944 | 12.418 | -0.986 |
| 10.077 | -0.342 | 10.085 | -0.534 | 10.094 | -0.470 | 10.102 | -0.385 | 12.431 | -0.774 | 12.441 | -0.581 | 12.448 | -0.285 | 12.456 | -0.157 |
| 10.111 | -0.237 | 10.119 | -0.109 | 10.130 | -0.067 | 10.134 | -0.004 | 12.471 | -0.178 | 12.480 | -0.199 | 12.495 | -0.156 | 12.510 | -0.050 |
| 10.145 | 0.060 | 10.154 | 0.123 | 10.164 | 0.187 | 10.181 | 0.165 | 12.527 | -0.135 | 12.542 | -0.220 | 12.556 | -0.347 | 12.571 | -0.198 |
| 10.194 | 0.165 | 10.202 | 0.250 | 10.211 | 0.441 | 10.215 | 0.589 | 12.580 | -0.028 | 12.590 | 0.079 | 12.599 | 0.100 | 12.609 | 0.036 |
| 10.222 | 0.802 | 10.232 | 0.994 | 10.239 | 1.143 | 10.251 | 1.207 | 12.618 | -0.091 | 12.633 | 0.015 | 12.646 | 0.100 | 12.667 | 0.078 |
| 10.258 | 1.144 | 10.266 | 0.974 | 10.273 | 0.613 | 10.283 | 0.486 | 12.684 | 0.078 | 12.697 | 0.162 | 12.709 | 0.396 | 12.714 | 0.587 |
| 10.288 | 0.359 | 10.300 | 0.275 | 10.307 | 0.254 | 10.319 | 0.254 | 12.727 | 0.778 | 12.739 | 0.884 | 12.754 | 0.820 | 12.767 | 0.586 |
| 10.330 | 0.234 | 10.341 | 0.256 | 10.351 | 0.171 | 10.364 | -0.041 | 12.782 | 0.309 | 12.794 | 0.075 | 12.803 | -0.117 | 12.814 | -0.308 |
| 10.373 | -0.338 | 10.383 | -0.720 | 10.390 | -0.975 | 10.396 | -1.336 | 12.828 | -0.245 | 12.835 | -0.160 | 12.841 | -0.081 | 12.852 | -0.012 |
| 10.409 | -1.590 | 10.419 | -1.759 | 10.432 | -2.078 | 10.441 | -2.438 | 12.871 | 0.030 | 12.880 | 0.115 | 12.890 | 0.285 | 12.901 | 0.391 |
| | | | | | | | | 12.911 | 0.518 | 12.924 | 0.412 | 12.935 | 0.284 | 12.946 | 0.135 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 12.963 | 0.113 | 12.982 | 0.134 | 12.996 | 0.176 | 13.009 | 0.239 | 15.808 | -0.183 | 15.918 | -0.163 | 15.833 | -0.100 | 15.840 | -0.057 |
| 13.022 | 0.281 | 13.037 | 0.387 | 13.060 | 0.556 | 13.082 | 0.597 | 15.850 | -0.037 | 15.854 | -0.058 | 15.869 | -0.059 | 15.886 | -0.102 |
| 13.056 | 0.702 | 13.107 | 0.850 | 13.120 | 0.977 | 13.131 | 0.997 | 15.899 | -0.124 | 15.912 | -0.125 | 15.927 | -0.126 | 15.937 | -0.126 |
| 13.148 | 0.954 | 13.165 | 0.825 | 13.175 | 0.655 | 13.188 | 0.484 | 15.946 | -0.127 | 15.959 | -0.191 | 15.969 | -0.234 | 15.976 | -0.320 |
| 13.198 | 0.334 | 13.207 | 0.185 | 13.215 | 0.121 | 13.228 | 0.269 | 15.980 | -0.320 | 15.984 | -0.362 | 15.995 | -0.363 | 16.007 | -0.364 |
| 13.235 | 0.417 | 13.245 | 0.522 | 13.256 | 0.585 | 13.265 | 0.649 | 16.025 | -0.428 | 16.035 | -0.514 | 16.042 | -0.599 | 16.044 | -0.663 |
| 13.281 | 0.605 | 13.290 | 0.519 | 13.299 | 0.370 | 13.309 | 0.136 | 16.059 | -0.770 | 16.080 | -0.814 | 16.088 | -0.878 | 16.101 | -0.857 |
| 13.318 | -0.078 | 13.326 | -0.269 | 13.341 | -0.249 | 13.358 | -0.172 | 16.112 | -0.837 | 16.118 | -0.816 | 16.125 | -0.774 | 16.127 | -0.752 |
| 13.369 | 0.025 | 13.379 | 0.110 | 13.394 | 0.130 | 13.409 | 0.144 | 16.131 | -0.689 | 16.139 | -0.583 | 16.144 | -0.562 | 16.148 | -0.413 |
| 13.424 | 0.086 | 13.439 | 0.0 | 13.456 | -0.129 | 13.477 | -0.003 | 16.165 | -0.244 | 16.178 | -0.202 | 16.192 | -0.139 | 16.203 | -0.055 |
| 13.498 | 0.081 | 13.520 | 0.080 | 13.530 | 0.122 | 13.551 | 0.206 | 16.218 | 0.029 | 16.229 | 0.114 | 16.237 | 0.156 | 16.239 | 0.219 |
| 13.566 | 0.184 | 13.579 | 0.205 | 13.592 | 0.204 | 13.613 | 0.203 | 16.248 | 0.347 | 16.256 | 0.367 | 16.261 | 0.431 | 16.269 | 0.473 |
| 13.628 | 0.160 | 13.637 | 0.287 | 13.651 | 0.413 | 13.660 | 0.583 | 16.275 | 0.515 | 16.278 | 0.536 | 16.292 | 0.493 | 16.299 | 0.408 |
| 13.671 | 0.689 | 13.686 | 0.603 | 13.696 | 0.539 | 13.705 | 0.411 | 16.307 | 0.344 | 16.312 | 0.259 | 16.324 | 0.258 | 16.331 | 0.237 |
| 13.719 | 0.282 | 13.734 | 0.281 | 13.747 | 0.451 | 13.754 | 0.620 | 16.360 | 0.257 | 16.373 | 0.299 | 16.380 | 0.320 | 16.390 | 0.383 |
| 13.764 | 0.790 | 13.773 | 0.938 | 13.785 | 1.044 | 13.804 | 1.064 | 16.405 | 0.404 | 16.414 | 0.361 | 16.420 | 0.361 | 16.435 | 0.339 |
| 13.819 | 1.127 | 13.832 | 1.148 | 13.845 | 1.105 | 13.862 | 0.976 | 16.445 | 0.317 | 16.456 | 0.295 | 16.480 | 0.294 | 16.490 | 0.315 |
| 13.875 | 0.870 | 13.892 | 0.784 | 13.915 | 0.762 | 13.928 | 0.634 | 16.518 | 0.293 | 16.526 | 0.271 | 16.539 | 0.186 | 16.556 | 0.100 |
| 13.939 | 0.442 | 13.951 | 0.187 | 13.962 | 0.144 | 13.977 | 0.185 | 16.573 | 0.036 | 16.584 | -0.092 | 16.592 | -0.156 | 16.601 | -0.242 |
| 13.994 | 0.227 | 14.019 | 0.141 | 14.036 | 0.077 | 14.056 | -0.094 | 16.603 | -0.263 | 16.611 | -0.327 | 16.628 | -0.285 | 16.641 | -0.222 |
| 14.070 | -0.179 | 14.096 | -0.159 | 14.117 | -0.203 | 14.140 | -0.246 | 16.667 | -0.095 | 16.707 | 0.137 | 16.714 | 0.222 | 16.722 | 0.242 |
| 14.157 | -0.119 | 14.166 | 0.051 | 14.177 | 0.199 | 14.189 | 0.368 | 16.731 | 0.200 | 16.745 | 0.093 | 16.758 | 0.029 | 16.767 | -0.057 |
| 14.202 | 0.474 | 14.211 | 0.559 | 14.224 | 0.601 | 14.232 | 0.707 | 16.782 | -0.143 | 16.794 | -0.164 | 16.801 | -0.228 | 16.811 | -0.250 |
| 14.247 | 0.642 | 14.260 | 0.536 | 14.268 | 0.429 | 14.287 | 0.343 | 16.815 | -0.250 | 16.828 | -0.251 | 16.849 | -0.166 | 16.871 | -0.146 |
| 14.302 | 0.363 | 14.323 | 0.511 | 14.334 | 0.638 | 14.347 | 0.574 | 16.873 | -0.082 | 16.896 | -0.105 | 16.911 | -0.041 | 16.928 | 0.086 |
| 14.362 | 0.403 | 14.370 | 0.126 | 14.383 | 0.040 | 14.393 | -0.045 | 16.935 | 0.213 | 16.945 | 0.340 | 16.958 | 0.339 | 16.988 | 0.381 |
| 14.404 | -0.152 | 14.419 | -0.238 | 14.438 | -0.260 | 14.457 | -0.219 | 17.003 | 0.380 | 17.030 | 0.400 | 17.039 | 0.421 | 17.043 | 0.421 |
| 14.474 | -0.028 | 14.483 | 0.163 | 14.494 | 0.268 | 14.506 | 0.416 | 17.058 | 0.335 | 17.071 | 0.271 | 17.090 | 0.058 | 17.098 | 0.015 |
| 14.517 | 0.543 | 14.536 | 0.500 | 14.559 | 0.477 | 14.574 | 0.498 | 17.115 | -0.050 | 17.135 | -0.051 | 17.147 | -0.052 | 17.154 | -0.009 |
| 14.596 | 0.471 | 14.611 | 0.411 | 14.627 | 0.304 | 14.642 | 0.239 | 17.171 | 0.075 | 17.192 | 0.074 | 17.213 | 0.136 | 17.237 | 0.071 |
| 14.661 | 0.090 | 14.679 | 0.004 | 14.698 | -0.040 | 14.717 | 0.105 | 17.245 | 0.050 | 17.266 | 0.112 | 17.271 | 0.176 | 17.279 | 0.218 |
| 14.738 | -0.085 | 14.753 | -0.043 | 14.770 | 0.063 | 14.791 | 0.125 | 17.286 | 0.196 | 17.311 | 0.131 | 17.332 | 0.066 | 17.349 | -0.020 |
| 14.889 | -0.178 | 14.906 | -0.263 | 14.919 | -0.349 | 14.934 | -0.329 | 17.364 | -0.063 | 17.379 | -0.085 | 17.404 | 0.020 | 17.430 | 0.189 |
| 14.949 | -0.287 | 14.965 | -0.267 | 14.985 | -0.310 | 15.000 | -0.290 | 17.462 | 0.631 | 17.530 | 0.609 | 17.549 | 0.524 | 17.560 | 0.396 |
| 15.015 | -0.354 | 15.038 | -0.313 | 15.061 | -0.272 | 15.076 | -0.145 | 17.524 | 0.631 | 17.530 | 0.609 | 17.549 | 0.524 | 17.560 | 0.396 |
| 15.087 | 0.067 | 15.104 | 0.215 | 15.121 | 0.150 | 15.129 | 0.107 | 17.575 | 0.311 | 17.589 | 0.266 | 17.596 | 0.246 | 17.598 | 0.246 |
| 15.142 | 0.064 | 15.153 | 0.021 | 15.161 | -0.022 | 15.168 | -0.043 | 17.628 | 0.373 | 17.645 | 0.436 | 17.656 | 0.500 | 17.670 | 0.542 |
| 15.182 | -0.065 | 15.189 | -0.066 | 15.200 | -0.088 | 15.204 | -0.130 | 17.694 | 0.605 | 17.707 | 0.690 | 17.724 | 0.647 | 17.734 | 0.562 |
| 15.212 | -0.173 | 15.219 | -0.237 | 15.225 | -0.387 | 15.233 | -0.514 | 17.757 | 0.306 | 17.775 | 0.050 | 17.792 | -0.035 | 17.802 | -0.078 |
| 15.240 | -0.579 | 15.244 | -0.643 | 15.251 | -0.685 | 15.263 | -0.686 | 17.817 | 0.007 | 17.826 | 0.070 | 17.834 | 0.176 | 17.849 | 0.346 |
| 15.274 | -0.623 | 15.284 | -0.623 | 15.295 | -0.624 | 15.297 | -0.624 | 17.855 | 0.388 | 17.883 | 0.281 | 17.894 | 0.196 | 17.915 | 0.005 |
| 15.308 | -0.625 | 15.314 | -0.646 | 15.321 | -0.625 | 15.325 | -0.562 | 17.928 | -0.122 | 18.002 | -0.207 | 17.966 | -0.334 | 17.976 | -0.398 |
| 15.333 | -0.698 | 15.340 | -0.520 | 15.348 | -0.393 | 15.359 | -0.415 | 17.985 | -0.462 | 18.002 | -0.419 | 18.013 | -0.334 | 18.034 | -0.185 |
| 15.368 | -0.415 | 15.385 | -0.437 | 15.391 | -0.480 | 15.399 | -0.502 | 18.049 | -0.036 | 18.066 | -0.035 | 18.087 | 0.007 | 18.106 | -0.120 |
| 15.402 | -0.523 | 15.406 | -0.566 | 15.414 | -0.651 | 15.425 | -0.737 | 18.119 | -0.269 | 18.127 | -0.311 | 18.140 | -0.268 | 18.147 | -0.332 |
| 15.429 | -0.801 | 15.440 | -0.929 | 15.452 | -1.079 | 15.457 | -1.143 | 18.166 | -0.332 | 18.178 | -0.289 | 18.198 | -0.268 | 18.217 | -0.246 |
| 15.467 | -1.186 | 15.474 | -1.207 | 15.489 | -1.251 | 15.512 | -0.082 | 18.238 | -0.246 | 18.253 | -0.288 | 18.264 | -0.309 | 18.293 | -0.288 |
| 15.529 | -1.019 | 15.535 | -0.977 | 15.550 | -0.956 | 15.561 | -0.914 | 18.300 | -0.224 | 18.315 | -0.011 | 18.334 | 0.202 | 18.361 | 0.374 |
| 15.574 | -0.851 | 15.580 | -0.745 | 15.597 | -0.449 | 15.604 | -0.343 | 18.376 | 0.565 | 18.393 | 0.629 | 18.404 | 0.714 | 18.419 | 0.778 |
| 15.618 | -0.237 | 15.620 | -0.216 | 15.621 | -0.237 | 15.640 | -0.175 | 18.430 | 0.779 | 18.446 | 0.694 | 18.457 | 0.439 | 18.480 | 0.185 |
| 15.642 | -0.175 | 15.644 | -0.175 | 15.655 | -0.133 | 15.663 | -0.112 | 18.491 | 0.015 | 18.514 | -0.154 | 18.536 | -0.281 | 18.576 | -0.365 |
| 15.674 | -0.049 | 15.688 | -0.007 | 15.689 | -0.007 | 15.695 | 0.056 | 18.600 | -0.428 | 18.634 | -0.470 | 18.668 | -0.491 | 18.668 | -0.554 |
| 15.705 | 0.098 | 15.716 | 0.119 | 15.723 | 0.076 | 15.729 | 0.055 | 18.685 | -0.532 | 18.731 | -0.404 | 18.761 | -0.234 | 18.795 | -0.234 |
| 15.739 | -0.010 | 15.750 | -0.074 | 15.759 | -0.117 | 15.763 | -0.117 | 18.829 | -0.234 | 18.850 | -0.171 | 18.857 | -0.043 | 18.865 | 0.084 |
| 15.772 | -0.118 | 15.782 | -0.139 | 15.797 | -0.183 | 15.803 | -0.183 | 18.884 | -0.106 | 18.895 | 0.127 | 18.921 | 0.106 | 18.936 | 0.021 |
| | | | | | | | | 18.950 | -0.043 | 18.957 | -0.128 | 18.972 | -0.128 | 18.993 | -0.171 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 19.012 | -0.149 | 19.038 | -0.128 | 19.053 | -0.128 | 19.076 | -0.128 | 23.511 | -0.112 | 23.526 | -0.219 | 23.543 | -0.218 | 23.565 | -0.217 |
| 19.086 | -0.192 | 19.093 | -0.234 | 19.120 | -0.277 | 19.140 | -0.320 | 23.586 | -0.174 | 23.609 | -0.194 | 23.622 | -0.214 | 23.645 | -0.213 |
| 19.167 | -0.321 | 19.178 | -0.279 | 19.193 | -0.245 | 19.206 | -0.216 | 23.677 | -0.127 | 23.697 | -0.147 | 23.731 | -0.039 | 23.745 | -0.111 |
| 19.237 | -0.238 | 19.242 | -0.281 | 19.255 | -0.345 | 19.272 | -0.388 | 23.762 | 0.154 | 23.767 | 0.197 | 23.782 | 0.198 | 23.797 | 0.199 |
| 19.289 | -0.388 | 19.303 | -0.325 | 19.320 | -0.325 | 19.337 | -0.219 | 23.807 | 0.220 | 23.818 | 0.221 | 23.833 | 0.009 | 23.837 | 0.179 |
| 19.350 | -0.156 | 19.382 | -0.135 | 19.397 | -0.051 | 19.414 | -0.009 | 23.858 | 0.138 | 23.879 | 0.033 | 23.890 | -0.009 | 23.916 | -0.008 |
| 19.427 | 0.076 | 19.440 | 0.203 | 19.452 | 0.224 | 19.463 | 0.266 | 23.939 | -0.028 | 23.979 | -0.048 | 24.009 | -0.090 | 24.026 | -0.133 |
| 19.473 | 0.309 | 19.488 | 0.329 | 19.507 | 0.308 | 19.516 | 0.286 | 24.060 | -0.111 | 24.071 | -0.047 | 24.094 | 0.017 | 24.115 | 0.124 |
| 19.524 | 0.307 | 19.546 | 0.307 | 19.561 | 0.243 | 19.569 | 0.201 | 24.141 | 0.230 | 24.167 | 0.294 | 24.200 | 0.274 | 24.218 | 0.189 |
| 19.574 | 0.115 | 19.580 | 0.094 | 19.591 | 0.051 | 19.616 | 0.072 | 24.235 | 0.083 | 24.268 | 0.041 | 24.324 | 0.105 | 24.364 | 0.191 |
| 19.639 | 0.157 | 19.659 | 0.199 | 19.695 | 0.199 | 19.718 | 0.177 | 24.402 | 0.190 | 24.447 | 0.167 | 24.492 | 0.187 | 24.515 | 0.123 |
| 19.725 | 0.135 | 19.733 | 0.092 | 19.742 | 0.071 | 19.756 | 0.071 | 24.558 | 0.058 | 24.581 | 0.036 | 24.598 | -0.028 | 24.643 | 0.034 |
| 19.784 | 0.070 | 19.801 | 0.070 | 19.803 | 0.112 | 19.810 | 0.134 | 24.666 | 0.119 | 24.675 | 0.161 | 24.681 | 0.203 | 24.687 | 0.182 |
| 19.824 | 0.260 | 19.831 | 0.261 | 19.841 | 0.303 | 19.854 | 0.324 | 24.690 | 0.182 | 24.692 | 0.182 | 24.696 | 0.224 | 24.705 | 0.224 |
| 19.863 | 0.260 | 19.871 | 0.175 | 19.895 | 0.069 | 19.909 | 0.026 | 24.721 | 0.117 | 24.739 | 0.053 | 24.766 | -0.032 | 24.779 | -0.032 |
| 19.929 | -0.037 | 19.944 | -0.037 | 19.946 | -0.058 | 19.954 | -0.142 | 24.794 | -0.075 | 24.815 | -0.138 | 24.826 | -0.095 | 24.840 | -0.053 |
| 19.971 | -0.227 | 19.986 | -0.375 | 19.994 | -0.332 | 20.002 | -0.353 | 24.855 | -0.053 | 24.870 | -0.116 | 24.885 | -0.137 | 24.906 | -0.179 |
| 20.020 | -0.374 | 20.045 | -0.394 | 20.046 | -0.394 | 20.063 | -0.244 | 24.917 | -0.201 | 24.928 | -0.158 | 24.933 | -0.136 | 24.968 | -0.242 |
| 20.077 | -0.180 | 20.090 | -0.073 | 20.103 | 0.055 | 20.120 | 0.055 | 24.996 | -0.242 | 25.026 | -0.263 | 25.053 | -0.220 | 25.060 | -0.156 |
| 20.162 | 0.121 | 20.192 | 0.122 | 20.207 | 0.186 | 20.230 | 0.293 | 25.066 | -0.135 | 25.077 | -0.050 | 25.106 | 0.015 | 25.117 | -0.007 |
| 20.231 | 0.294 | 20.254 | 0.273 | 20.264 | 0.210 | 20.286 | 0.104 | 25.128 | 0.057 | 25.160 | 0.100 | 25.179 | 0.101 | 25.194 | 0.122 |
| 20.303 | 0.063 | 20.311 | -0.128 | 20.324 | -0.191 | 20.341 | -0.318 | 25.210 | 0.123 | 25.225 | 0.123 | 25.238 | 0.124 | 25.242 | 0.124 |
| 20.364 | -0.486 | 20.377 | -0.592 | 20.422 | -0.610 | 20.458 | -0.608 | 25.253 | 0.081 | 25.270 | 0.103 | 25.287 | 0.125 | 25.300 | 0.125 |
| 20.496 | -0.542 | 20.528 | -0.518 | 20.556 | -0.431 | 20.562 | -0.388 | 25.315 | 0.104 | 25.323 | -0.002 | 25.336 | -0.044 | 25.345 | -0.129 |
| 20.571 | -0.260 | 20.573 | -0.281 | 20.590 | -0.195 | 20.626 | -0.193 | 25.359 | -0.107 | 25.378 | -0.041 | 25.395 | -0.106 | 25.408 | -0.063 |
| 20.656 | -0.233 | 20.671 | -0.296 | 20.686 | -0.295 | 20.694 | -0.380 | 25.442 | 0.001 | 25.452 | -0.039 | 25.459 | -0.126 | 25.476 | -0.040 |
| 20.711 | -0.379 | 20.722 | -0.378 | 20.741 | -0.378 | 20.760 | -0.420 | 25.496 | -0.040 | 25.512 | -0.039 | 25.534 | -0.039 | 25.547 | -0.038 |
| 20.771 | -0.441 | 20.788 | -0.462 | 20.802 | -0.419 | 20.830 | -0.398 | 25.559 | -0.059 | 25.572 | -0.102 | 25.593 | -0.004 | 25.604 | 0.004 |
| 20.858 | -0.355 | 20.885 | -0.269 | 20.898 | -0.163 | 20.922 | 0.029 | 25.623 | -0.068 | 25.635 | -0.025 | 25.658 | -0.018 | 25.670 | -0.018 |
| 20.949 | 0.135 | 20.979 | 0.199 | 20.998 | 0.306 | 21.011 | 0.327 | 25.683 | -0.061 | 25.695 | -0.103 | 25.700 | -0.103 | 25.706 | -0.146 |
| 21.021 | 0.349 | 21.056 | 0.349 | 21.079 | 0.392 | 21.094 | 0.435 | 25.721 | -0.210 | 25.736 | -0.189 | 25.740 | -0.104 | 25.755 | -0.104 |
| 21.179 | 0.264 | 21.117 | 0.439 | 21.145 | 0.456 | 21.156 | 0.392 | 25.766 | -0.062 | 25.783 | -0.041 | 25.793 | -0.019 | 25.808 | -0.062 |
| 21.273 | 0.221 | 21.194 | 0.222 | 21.226 | 0.264 | 21.245 | 0.200 | 25.810 | -0.062 | 25.823 | -0.084 | 25.842 | -0.190 | 25.859 | -0.190 |
| 21.304 | 0.454 | 21.281 | 0.284 | 21.292 | 0.348 | 21.298 | 0.412 | 25.874 | -0.084 | 25.895 | -0.042 | 25.906 | 0.0 | 25.921 | 0.043 |
| 21.417 | 0.367 | 21.426 | 0.304 | 21.434 | 0.325 | 21.470 | 0.431 | 25.933 | 0.021 | 25.931 | 0.0 | 25.967 | -0.022 | 25.980 | -0.022 |
| 21.508 | 0.558 | 21.509 | 0.557 | 21.525 | 0.472 | 21.557 | 0.429 | 26.004 | -0.043 | 26.027 | -0.106 | 26.048 | -0.021 | 26.068 | 0.001 |
| 21.577 | 0.429 | 21.600 | 0.556 | 21.615 | 0.641 | 21.636 | 0.705 | 26.087 | -0.042 | 26.102 | -0.084 | 26.119 | -0.126 | 26.148 | -0.126 |
| 21.653 | 0.726 | 21.674 | 0.662 | 21.698 | 0.619 | 21.730 | 0.597 | 26.167 | -0.083 | 26.182 | -0.040 | 26.201 | -0.040 | 26.216 | -0.104 |
| 21.766 | 0.533 | 21.768 | 0.512 | 21.806 | 0.447 | 21.840 | 0.362 | 26.238 | -0.125 | 26.257 | -0.103 | 26.280 | -0.082 | 26.303 | 0.004 |
| 21.857 | 0.277 | 21.874 | 0.256 | 21.885 | -0.064 | 21.912 | -0.213 | 26.321 | 0.025 | 26.342 | 0.068 | 26.371 | 0.068 | 26.395 | 0.091 |
| 21.938 | -0.192 | 21.963 | -0.266 | 21.991 | -0.214 | 22.010 | -0.257 | 26.423 | 0.092 | 26.440 | 0.114 | 26.465 | 0.201 | 26.480 | 0.286 |
| 22.038 | -0.300 | 22.083 | -0.236 | 22.106 | -0.194 | 22.134 | -0.195 | 26.503 | 0.266 | 26.523 | 0.204 | 26.552 | 0.184 | 26.571 | 0.142 |
| 22.166 | -0.089 | 22.183 | 0.039 | 22.214 | 0.123 | 22.232 | 0.208 | 26.584 | 0.104 | 26.601 | 0.186 | 26.618 | 0.124 | 26.629 | 0.145 |
| 22.257 | 0.208 | 22.287 | 0.165 | 22.310 | 0.122 | 22.321 | 0.037 | 26.644 | 0.104 | 26.665 | 0.126 | 26.684 | 0.127 | 26.701 | 0.192 |
| 22.329 | -0.048 | 22.357 | -0.133 | 22.376 | -0.197 | 22.425 | -0.261 | 26.718 | -0.129 | 26.733 | 0.045 | 26.754 | 0.018 | 26.775 | -0.017 |
| 22.465 | -0.346 | 22.501 | -0.388 | 22.538 | -0.495 | 22.561 | -0.516 | 26.797 | -0.016 | 26.818 | 0.048 | 26.835 | 0.091 | 26.854 | 0.028 |
| 22.591 | -0.558 | 22.619 | -0.431 | 22.655 | -0.282 | 22.697 | -0.197 | 26.939 | -0.097 | 26.962 | -0.055 | 26.993 | -0.035 | 26.990 | 0.031 |
| 22.740 | -0.006 | 22.776 | 0.142 | 22.808 | -0.157 | 22.829 | 0.200 | 27.009 | 0.011 | 27.029 | 0.011 | 27.046 | 0.012 | 27.065 | 0.012 |
| 22.854 | 0.141 | 22.876 | 0.014 | 22.899 | -0.157 | 22.929 | 0.248 | 27.078 | -0.030 | 27.099 | 0.115 | 27.118 | -0.135 | 27.133 | -0.071 |
| 22.976 | -0.115 | 22.995 | -0.115 | 23.033 | -0.031 | 23.073 | 0.096 | 27.145 | 0.014 | 27.171 | 0.057 | 27.190 | 0.015 | 27.211 | 0.036 |
| 23.101 | 0.096 | 23.142 | 0.095 | 23.158 | -0.032 | 23.171 | -0.138 | 27.231 | 0.035 | 27.246 | 0.013 | 27.254 | 0.077 | 27.263 | 0.161 |
| 23.193 | -0.265 | 23.237 | -0.265 | 23.241 | -0.307 | 23.269 | -0.243 | 27.275 | 0.139 | 27.294 | 0.245 | 27.301 | 0.308 | 27.318 | 0.350 |
| 23.276 | -0.179 | 23.299 | -0.115 | 23.333 | -0.136 | 23.367 | -0.072 | 27.333 | 0.350 | 27.345 | 0.370 | 27.350 | 0.349 | 27.367 | 0.327 |
| 23.403 | -0.029 | 23.426 | -0.071 | 23.448 | -0.135 | 23.488 | -0.134 | 27.384 | 0.305 | 27.392 | 0.284 | 27.413 | 0.262 | 27.428 | 0.261 |
| | | | | | | | | 27.437 | 0.197 | 27.452 | 0.217 | 27.467 | 0.174 | 27.494 | 0.173 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27.505 | 0.173 | 27.526 | 0.172 | 27.543 | 0.108 | 27.556 | 0.150 | 31.130 | -0.076 | 31.150 | -0.055 | 31.167 | -0.035 | 31.184 | -0.036 |
| 27.573 | 0.128 | 27.592 | 0.063 | 27.605 | 0.063 | 27.626 | 0.040 | 31.205 | -0.100 | 31.228 | -0.101 | 31.243 | -0.038 | 31.258 | -0.061 |
| 27.649 | 0.040 | 27.662 | 0.060 | 27.679 | 0.038 | 27.700 | 0.016 | 31.283 | -0.147 | 31.303 | -0.106 | 31.320 | -0.107 | 31.332 | -0.044 |
| 27.722 | 0.006 | 27.732 | 0.006 | 27.752 | -0.092 | 27.767 | -0.093 | 31.356 | -0.088 | 31.373 | -0.068 | 31.386 | -0.016 | 31.407 | -0.028 |
| 27.777 | -0.072 | 27.786 | -0.008 | 27.805 | 0.012 | 27.817 | 0.054 | 31.418 | 0.014 | 31.426 | -0.008 | 31.432 | -0.029 | 31.439 | 0.034 |
| 27.830 | 0.032 | 27.839 | 0.032 | 27.858 | 0.010 | 27.873 | -0.033 | 31.460 | 0.011 | 31.477 | -0.054 | 31.492 | -0.009 | 31.515 | -0.014 |
| 27.888 | -0.055 | 27.903 | -0.037 | 27.919 | -0.077 | 27.934 | -0.078 | 31.528 | -0.036 | 31.537 | 0.006 | 31.551 | -0.101 | 31.562 | -0.080 |
| 27.945 | -0.100 | 27.960 | -0.379 | 27.975 | -0.080 | 27.988 | -0.080 | 31.575 | -0.188 | 31.598 | -0.147 | 31.603 | -0.147 | 31.619 | -0.084 |
| 28.011 | -0.101 | 28.026 | -0.101 | 28.039 | -0.143 | 28.047 | -0.100 | 31.637 | -0.085 | 31.660 | -0.065 | 31.671 | -0.002 | 31.681 | 0.019 |
| 28.058 | -0.100 | 28.073 | -0.036 | 28.094 | -0.035 | 28.104 | -0.014 | 31.704 | 0.039 | 31.719 | 0.038 | 31.734 | 0.122 | 31.745 | 0.100 |
| 28.109 | -0.013 | 28.122 | -0.013 | 28.134 | -0.013 | 28.145 | 0.073 | 31.762 | 0.078 | 31.779 | 0.077 | 31.800 | 0.055 | 31.824 | 0.096 |
| 28.160 | 0.030 | 28.183 | 0.010 | 28.205 | -0.011 | 28.222 | 0.011 | 31.865 | 0.116 | 31.860 | 0.179 | 31.877 | 0.200 | 31.896 | 0.241 |
| 28.238 | 0.011 | 28.247 | 0.011 | 28.258 | -0.009 | 28.275 | -0.009 | 31.909 | 0.240 | 31.923 | 0.282 | 31.949 | 0.238 | 31.970 | 0.195 |
| 28.286 | 0.013 | 28.321 | 0.035 | 28.332 | 0.056 | 28.343 | 0.099 | 31.979 | 0.152 | 31.996 | 0.067 | 32.009 | 0.086 | 32.026 | 0.022 |
| 28.358 | 0.078 | 28.379 | 0.142 | 28.396 | 0.058 | 28.413 | 0.015 | 32.041 | 0.064 | 32.053 | 0.063 | 32.070 | 0.126 | 32.087 | 0.104 |
| 28.434 | 0.037 | 28.449 | 0.015 | 28.464 | 0.037 | 28.487 | 0.015 | 32.096 | 0.104 | 32.123 | 0.103 | 32.138 | 0.102 | 32.158 | 0.080 |
| 28.507 | -0.027 | 28.524 | -0.091 | 28.538 | -0.112 | 28.555 | -0.176 | 32.174 | 0.016 | 32.187 | 0.058 | 32.204 | 0.078 | 32.225 | 0.099 |
| 28.568 | -0.197 | 28.579 | -0.218 | 28.604 | -0.197 | 28.615 | -0.133 | 32.234 | 0.141 | 32.253 | 0.098 | 32.268 | 0.097 | 32.276 | 0.097 |
| 28.632 | -0.091 | 28.651 | -0.091 | 28.659 | -0.112 | 28.683 | -0.048 | 32.291 | 0.075 | 32.300 | 0.074 | 32.310 | -0.011 | 32.323 | -0.033 |
| 28.708 | -0.070 | 28.728 | -0.070 | 28.743 | -0.091 | 28.759 | -0.155 | 32.345 | -0.097 | 32.362 | -0.141 | 32.377 | -0.077 | 32.396 | -0.121 |
| 28.781 | -0.155 | 28.798 | -0.155 | 28.817 | -0.155 | 28.838 | -0.156 | 32.411 | -0.057 | 32.434 | -0.058 | 32.445 | -0.080 | 32.464 | -0.081 |
| 28.864 | -0.157 | 28.893 | -0.137 | 28.904 | -0.116 | 28.921 | -0.117 | 32.478 | -0.039 | 32.483 | -0.039 | 32.495 | -0.082 | 32.504 | -0.104 |
| 28.932 | -0.053 | 28.953 | -0.033 | 28.970 | -0.012 | 28.991 | 0.050 | 32.521 | -0.189 | 32.542 | -0.169 | 32.557 | -0.169 | 32.570 | -0.170 |
| 29.013 | 0.092 | 29.034 | 0.091 | 29.053 | 0.091 | 29.070 | 0.090 | 32.587 | -0.171 | 32.604 | -0.214 | 32.619 | -0.214 | 32.634 | -0.215 |
| 29.083 | 0.026 | 29.106 | 0.025 | 29.125 | -0.019 | 29.142 | -0.019 | 32.653 | -0.216 | 32.670 | -0.195 | 32.685 | -0.196 | 32.702 | -0.218 |
| 29.157 | 0.001 | 29.174 | 0.001 | 29.195 | 0.064 | 29.215 | 0.063 | 32.715 | -0.261 | 32.730 | -0.283 | 32.746 | -0.304 | 32.759 | -0.284 |
| 29.240 | 0.020 | 29.266 | 0.040 | 29.289 | 0.061 | 29.304 | 0.018 | 32.768 | -0.263 | 32.776 | -0.284 | 32.789 | -0.285 | 32.808 | -0.286 |
| 29.312 | 0.039 | 29.325 | 0.060 | 29.340 | 0.060 | 29.357 | 0.059 | 32.827 | -0.265 | 32.838 | -0.244 | 32.851 | -0.224 | 32.865 | -0.181 |
| 29.370 | 0.144 | 29.389 | 0.228 | 29.399 | 0.249 | 29.414 | 0.292 | 32.880 | -0.118 | 32.895 | -0.160 | 32.904 | -0.139 | 32.919 | -0.140 |
| 29.440 | 0.270 | 29.453 | 0.184 | 29.478 | 0.141 | 29.491 | 0.098 | 32.929 | -0.161 | 32.940 | -0.161 | 32.951 | -0.119 | 32.965 | -0.140 |
| 29.499 | 0.098 | 29.514 | 0.119 | 29.529 | 0.140 | 29.551 | 0.118 | 32.974 | -0.098 | 32.985 | -0.119 | 33.000 | -0.056 | 33.016 | -0.098 |
| 29.576 | 0.139 | 29.595 | 0.117 | 29.610 | 0.053 | 29.621 | -0.012 | 33.023 | -0.056 | 33.038 | -0.056 | 33.048 | 0.008 | 33.065 | -0.014 |
| 29.638 | -0.076 | 29.659 | -0.059 | 29.674 | -0.078 | 29.689 | -0.079 | 33.083 | -0.057 | 33.097 | -0.014 | 33.110 | -0.078 | 33.119 | -0.100 |
| 29.697 | -0.101 | 29.706 | -0.080 | 29.718 | -0.059 | 29.735 | -0.025 | 33.129 | -0.100 | 33.144 | -0.100 | 33.159 | -0.100 | 33.170 | -0.100 |
| 29.750 | 0.088 | 29.755 | 0.045 | 29.769 | 0.044 | 29.780 | -0.020 | 33.185 | -0.122 | 33.197 | -0.079 | 33.212 | -0.016 | 33.227 | -0.037 |
| 29.784 | -0.020 | 29.801 | 0.022 | 29.820 | -0.001 | 29.838 | -0.023 | 33.231 | -0.037 | 33.238 | -0.080 | 33.252 | -0.059 | 33.267 | -0.059 |
| 29.848 | -0.045 | 29.867 | -0.046 | 29.882 | -0.068 | 29.898 | -0.111 | 33.282 | -0.101 | 33.302 | -0.143 | 33.319 | -0.079 | 33.335 | -0.036 |
| 29.918 | -0.133 | 29.935 | -0.113 | 29.954 | -0.071 | 29.980 | -0.094 | 33.340 | -0.014 | 33.359 | 0.029 | 33.372 | 0.071 | 33.386 | 0.008 |
| 29.999 | -0.137 | 30.018 | -0.138 | 30.033 | -0.203 | 30.061 | -0.162 | 33.401 | -0.013 | 33.418 | -0.034 | 33.431 | -0.012 | 33.446 | 0.010 |
| 30.078 | -0.120 | 30.091 | -0.057 | 30.103 | 0.006 | 30.114 | -0.016 | 33.455 | 0.031 | 33.469 | 0.053 | 33.480 | 0.053 | 33.487 | 0.011 |
| 30.125 | -0.017 | 30.133 | 0.004 | 30.146 | 0.025 | 30.154 | 0.025 | 33.501 | -0.010 | 33.516 | -0.010 | 33.527 | -0.010 | 33.538 | -0.052 |
| 30.157 | 0.024 | 30.169 | 0.066 | 30.191 | 0.086 | 30.208 | 0.064 | 33.552 | -0.051 | 33.567 | -0.072 | 33.586 | -0.114 | 33.599 | -0.135 |
| 30.222 | 0.085 | 30.235 | 0.020 | 30.248 | -0.044 | 30.261 | 0.019 | 33.620 | -0.135 | 33.633 | -0.134 | 33.642 | -0.092 | 33.659 | -0.091 |
| 30.274 | -0.003 | 30.282 | -0.025 | 30.297 | -0.047 | 30.308 | -0.047 | 33.678 | -0.027 | 33.691 | -0.047 | 33.710 | -0.108 | 33.720 | -0.065 |
| 30.320 | -0.048 | 30.329 | -0.070 | 30.346 | -0.070 | 30.359 | -0.007 | 33.740 | -0.020 | 33.748 | 0.002 | 33.759 | 0.003 | 33.765 | 0.046 |
| 30.375 | 0.056 | 30.384 | 0.013 | 30.393 | 0.055 | 30.405 | 0.033 | 33.773 | 0.026 | 33.780 | 0.026 | 33.788 | 0.006 | 33.795 | -0.036 |
| 30.422 | 0.138 | 30.441 | 0.159 | 30.458 | 0.137 | 30.478 | 0.174 | 33.803 | -0.077 | 33.824 | -0.097 | 33.839 | -0.074 | 33.854 | -0.051 |
| 30.503 | 0.155 | 30.601 | 0.197 | 30.541 | 0.092 | 30.563 | 0.155 | 33.863 | -0.050 | 33.871 | -0.049 | 33.884 | -0.069 | 33.895 | -0.068 |
| 30.554 | 0.238 | 30.671 | 0.301 | 30.699 | 0.364 | 30.722 | 0.321 | 33.903 | -0.067 | 33.908 | -0.066 | 33.912 | -0.066 | 33.924 | -0.065 |
| 30.737 | 0.300 | 30.750 | 0.235 | 30.775 | 0.277 | 30.792 | 0.341 | 33.933 | -0.064 | 33.939 | -0.021 | 33.952 | 0.019 | 33.961 | -0.040 |
| 30.812 | 0.255 | 30.828 | 0.191 | 30.850 | 0.233 | 30.873 | 0.253 | 33.969 | -0.060 | 33.982 | -0.016 | 33.997 | 0.007 | 34.005 | 0.029 |
| 30.880 | 0.168 | 30.894 | 0.231 | 30.907 | 0.188 | 30.920 | 0.230 | 34.050 | -0.009 | 34.058 | -0.029 | 34.075 | 0.006 | 34.082 | 0.037 |
| 30.939 | 0.208 | 30.948 | 0.250 | 30.962 | 0.250 | 30.973 | 0.313 | 34.097 | -0.004 | 34.112 | -0.045 | 34.133 | 0.0 | 34.146 | 0.023 |
| 30.996 | 0.269 | 31.014 | 0.205 | 31.014 | 0.141 | 31.033 | 0.140 | 34.160 | 0.045 | 34.165 | 0.046 | 34.178 | 0.005 | 34.190 | 0.027 |
| 31.050 | 0.097 | 31.069 | 0.160 | 31.094 | 0.074 | 31.115 | 0.010 | 34.194 | 0.049 | 34.209 | 0.050 | 34.216 | 0.051 | 34.231 | 0.095 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 34.243 | C.160 | 34.256 | 0.140 | 34.277 | 0.143 | 34.301 | 0.188 |
| 34.322 | C.190 | 34.333 | 0.149 | 34.346 | 0.150 | 34.356 | 0.215 |
| 34.375 | C.195 | 34.386 | 0.218 | 34.399 | 0.156 | 34.413 | 0.136 |
| 34.422 | C.158 | 34.435 | 0.138 | 34.446 | 0.139 | 34.450 | 0.118 |
| 34.465 | C.056 | 34.477 | -0.006 | 34.492 | -0.069 | 34.499 | -0.090 |
| 34.513 | -0.132 | 34.530 | -0.067 | 34.541 | -0.024 | 34.545 | 0.061 |
| 34.565 | C.084 | 34.579 | 0.063 | 34.588 | 0.128 | 34.598 | 0.128 |
| 34.609 | C.193 | 34.622 | 0.278 | 34.631 | 0.343 | 34.643 | 0.301 |
| 34.656 | C.238 | 34.669 | 0.196 | 34.679 | 0.218 | 34.688 | 0.176 |
| 34.707 | C.177 | 34.716 | 0.220 | 34.732 | 0.221 | 34.747 | 0.158 |
| 34.758 | C.137 | 34.769 | 0.095 | 34.786 | 0.075 | 34.803 | -0.030 |
| 34.818 | -0.136 | 34.835 | -0.114 | 34.849 | -0.007 | 34.860 | 0.036 |
| 34.888 | C.059 | 34.903 | 0.060 | 34.917 | 0.124 | 34.934 | 0.146 |
| 34.951 | C.082 | 34.968 | -0.002 | 34.986 | -0.065 | 35.001 | 0.041 |
| 35.018 | 0.191 | 35.032 | 0.191 | 35.047 | 0.234 | 35.056 | 0.234 |
| 35.071 | C.277 | 35.086 | 0.256 | 35.102 | 0.150 | 35.111 | 0.172 |
| 35.126 | 0.130 | 35.137 | 0.151 | 35.147 | 0.152 | 35.156 | 0.067 |
| 35.164 | -0.018 | 35.175 | -0.039 | 35.185 | 0.068 | 35.198 | 0.196 |
| 35.213 | 0.217 | 35.224 | 0.238 | 35.243 | 0.237 | 35.256 | 0.215 |
| 35.268 | C.257 | 35.277 | 0.299 | 35.288 | 0.235 | 35.304 | 0.192 |
| 35.321 | 0.085 | 35.328 | 0.0 | 35.338 | -0.086 | 35.349 | -0.108 |
| 35.364 | -0.129 | 35.373 | -0.236 | 35.383 | -0.364 | 35.396 | -0.450 |
| 35.404 | -0.407 | 35.413 | -0.302 | 35.422 | -0.238 | 35.428 | -0.153 |
| 35.443 | -0.154 | 35.451 | -0.091 | 35.462 | -0.049 | 35.472 | -0.028 |
| 35.487 | -0.071 | 35.500 | -0.029 | 35.509 | -0.050 | 35.517 | 0.013 |
| 35.530 | C.056 | 35.540 | -0.008 | 35.549 | -0.030 | 35.562 | -0.009 |
| 35.572 | 0.012 | 35.583 | -0.009 | 35.592 | -0.073 | 35.602 | -0.116 |
| 35.607 | -0.222 | 35.621 | -0.243 | 35.632 | -0.286 | 35.643 | -0.371 |
| 35.653 | -0.329 | 35.660 | -0.265 | 35.670 | -0.351 | 35.681 | -0.308 |
| 35.691 | -0.308 | 35.698 | -0.351 | 35.708 | -0.330 | 35.719 | -0.287 |
| 35.732 | -0.180 | 35.743 | -0.180 | 35.753 | -0.115 | 35.766 | -0.072 |
| 35.775 | -0.029 | 35.785 | -0.029 | 35.796 | -0.007 | 35.804 | 0.078 |
| 35.819 | C.015 | 35.826 | 0.037 | 35.842 | 0.016 | 35.851 | 0.017 |
| 35.864 | -0.089 | 35.877 | -0.216 | 35.887 | -0.301 | 35.902 | -0.257 |
| 35.917 | -0.320 | 35.932 | -0.341 | 35.942 | -0.341 | 35.953 | -0.298 |
| 35.959 | -0.276 | 35.964 | -0.255 | 35.970 | -0.255 | 35.977 | -0.191 |
| 35.985 | -0.148 | 35.994 | -0.084 | 36.008 | -0.041 | 36.023 | 0.003 |
| 36.036 | C.024 | 36.044 | 0.088 | 36.059 | 0.089 | 36.066 | 0.068 |
| 36.074 | C.004 | 36.079 | -0.080 | 36.091 | -0.101 | 36.098 | -0.143 |
| 36.108 | -0.143 | 36.119 | -0.185 | 36.129 | -0.185 | 36.145 | -0.120 |
| 36.164 | -0.098 | 36.170 | -0.077 | 36.174 | -0.013 | 36.183 | -0.012 |
| 36.198 | C.073 | 36.225 | 0.180 | 36.240 | 0.244 | 36.251 | 0.266 |
| 36.264 | C.245 | 36.278 | 0.203 | 36.293 | 0.118 | 36.310 | 0.076 |
| 36.325 | C.076 | 36.338 | 0.076 | 36.349 | 0.076 | 36.363 | 0.098 |
| 36.376 | C.098 | 36.385 | 0.141 | 36.395 | 0.098 | 36.410 | 0.077 |
| 36.421 | 0.014 | 36.440 | -0.028 | 36.455 | -0.049 | 36.468 | -0.049 |
| 36.476 | -0.006 | 36.491 | 0.015 | 36.502 | 0.037 | 36.519 | 0.016 |

IQ233

71.162. 2/9/71 0600PST 14724 VENTURA BOULEVARD, 1ST FLOOR, LOS ANGELES, CAL. N78W

2045 POINTS 36.495 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 0.3689 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|-------|
| 0.0 | -0.053 | 0.011 | -0.032 | 0.028 | -0.074 | 0.043 | -0.095 | 1.773 | -0.200 | 1.788 | 0.009 | 1.803 | -0.096 | 1.816 | -0.055 | | |
| 0.059 | -0.073 | 0.074 | -0.010 | 0.094 | -0.010 | 0.104 | -0.030 | 1.825 | 0.029 | 1.833 | 0.029 | 1.848 | -0.014 | 1.863 | -0.056 | | |
| 0.119 | -0.030 | 0.130 | -0.030 | 0.142 | -0.030 | 0.155 | -0.029 | 1.873 | -0.056 | 1.884 | 0.056 | 1.892 | -0.099 | 1.903 | -0.099 | | |
| 0.164 | -0.029 | 0.177 | -0.008 | 0.183 | -0.050 | 0.193 | -0.008 | 1.918 | -0.141 | 1.924 | -0.099 | 1.937 | -0.079 | 1.944 | -0.005 | | |
| 0.200 | -0.029 | 0.208 | -0.028 | 0.215 | -0.028 | 0.225 | -0.007 | 1.952 | 0.152 | 1.961 | 0.130 | 1.973 | 0.067 | 1.986 | 0.067 | | |
| 0.232 | -0.007 | 0.242 | -0.028 | 0.253 | -0.069 | 0.262 | -0.068 | 2.005 | 0.003 | 2.009 | 0.018 | 2.014 | -0.018 | 2.026 | -0.102 | | |
| 0.272 | -0.048 | 0.281 | -0.048 | 0.294 | -0.027 | 0.308 | -0.026 | 2.037 | -0.144 | 2.060 | -0.040 | 2.075 | -0.103 | 2.084 | -0.145 | | |
| 0.315 | -0.005 | 0.323 | -0.026 | 0.330 | -0.026 | 0.345 | -0.047 | 2.103 | -0.041 | 2.111 | 0.064 | 2.122 | 0.0 | 2.135 | -0.063 | | |
| 0.361 | -0.025 | 0.370 | -0.004 | 0.381 | -0.025 | 0.393 | 0.017 | 2.148 | 0.021 | 2.163 | -0.085 | 2.179 | -0.043 | 2.192 | 0.021 | | |
| 0.400 | 0.017 | 0.413 | -0.004 | 0.423 | -0.025 | 0.436 | -0.046 | 2.209 | 0.0 | 2.216 | -0.042 | 2.224 | -0.105 | 2.233 | -0.231 | | |
| 0.449 | -0.047 | 0.466 | -0.068 | 0.472 | -0.005 | 0.487 | -0.026 | 2.246 | -0.147 | 2.258 | -0.042 | 2.273 | 0.043 | 2.284 | 0.127 | | |
| 0.502 | -0.026 | 0.512 | -0.068 | 0.519 | -0.005 | 0.529 | 0.016 | 2.297 | 0.103 | 2.309 | 0.190 | 2.316 | 0.082 | 2.331 | 0.001 | | |
| 0.536 | 0.037 | 0.549 | -0.005 | 0.566 | -0.069 | 0.580 | -0.048 | 2.341 | -0.103 | 2.352 | -0.103 | 2.360 | -0.082 | 2.371 | -0.061 | | |
| 0.597 | -0.048 | 0.604 | -0.049 | 0.614 | -0.049 | 0.625 | -0.049 | 2.382 | -0.082 | 2.394 | -0.124 | 2.405 | -0.186 | 2.414 | -0.102 | | |
| 0.642 | -0.029 | 0.661 | -0.008 | 0.670 | -0.008 | 0.676 | 0.013 | 2.429 | -0.060 | 2.435 | -0.060 | 2.447 | -0.018 | 2.458 | -0.060 | | |
| 0.691 | 0.075 | 0.700 | 0.054 | 0.710 | -0.009 | 0.725 | -0.052 | 2.469 | -0.123 | 2.488 | -0.080 | 2.499 | -0.080 | 2.507 | -0.017 | | |
| 0.738 | -0.031 | 0.744 | -0.031 | 0.755 | -0.052 | 0.757 | -0.053 | 2.518 | -0.059 | 2.533 | 0.004 | 2.549 | 0.004 | 2.558 | 0.130 | | |
| 0.766 | -0.011 | 0.783 | -0.095 | 0.802 | -0.094 | 0.816 | -0.094 | 2.571 | 0.088 | 2.582 | 0.046 | 2.632 | 0.003 | 2.656 | -0.039 | | |
| 0.829 | -0.093 | 0.844 | -0.092 | 0.859 | -0.091 | 0.874 | -0.048 | 2.620 | 0.004 | 2.632 | 0.067 | 2.643 | 0.004 | 2.656 | -0.039 | | |
| 0.889 | -0.068 | 0.904 | -0.047 | 0.919 | -0.088 | 0.934 | -0.108 | 2.667 | 0.087 | 2.679 | 0.150 | 2.686 | 0.150 | 2.700 | 0.108 | | |
| 0.948 | -0.002 | 0.965 | 0.062 | 0.980 | 0.062 | 0.989 | 0.021 | 2.712 | 0.024 | 2.771 | -0.081 | 2.732 | -0.019 | 2.751 | 0.065 | | |
| 0.995 | -0.021 | 1.004 | -0.063 | 1.016 | -0.083 | 1.025 | -0.166 | 2.761 | -0.019 | 2.771 | -0.002 | 2.784 | -0.019 | 2.794 | -0.103 | | |
| 1.040 | -0.060 | 1.048 | -0.038 | 1.057 | 0.025 | 1.065 | 0.047 | 2.805 | -0.229 | 2.826 | -0.272 | 2.832 | -0.167 | 2.839 | -0.125 | | |
| 1.074 | 0.153 | 1.087 | 0.070 | 1.093 | -0.035 | 1.102 | -0.118 | 2.847 | -0.043 | 2.860 | -0.020 | 2.881 | -0.042 | 2.892 | -0.063 | | |
| 1.114 | -0.159 | 1.129 | -0.157 | 1.138 | -0.157 | 1.146 | -0.114 | 2.903 | -0.082 | 2.913 | 0.021 | 2.922 | 0.084 | 2.930 | 0.063 | | |
| 1.161 | -0.029 | 1.169 | 0.077 | 1.184 | 0.078 | 1.191 | 0.058 | 2.941 | 0.062 | 2.956 | 0.041 | 2.964 | 0.020 | 2.977 | -0.002 | | |
| 1.199 | -0.131 | 1.212 | -0.129 | 1.220 | -0.108 | 1.235 | -0.065 | 2.988 | 0.018 | 2.998 | -0.066 | 3.000 | -0.066 | 3.017 | 0.038 | | |
| 1.246 | -0.043 | 1.257 | -0.042 | 1.269 | -0.104 | 1.280 | -0.019 | 3.024 | 0.100 | 3.043 | 0.057 | 3.053 | -0.070 | 3.071 | 0.013 | | |
| 1.287 | 0.087 | 1.295 | 0.024 | 1.308 | -0.016 | 1.320 | -0.068 | 3.090 | 0.138 | 3.102 | 0.242 | 3.111 | 0.178 | 3.122 | -0.073 | | |
| 1.329 | 0.069 | 1.337 | 0.028 | 1.350 | 0.071 | 1.365 | 0.072 | 3.132 | -0.117 | 3.141 | -0.222 | 3.154 | -0.265 | 3.168 | -0.224 | | |
| 1.372 | 0.030 | 1.382 | 0.009 | 1.393 | -0.012 | 1.403 | -0.012 | 3.179 | -0.183 | 3.190 | -0.016 | 3.202 | 0.005 | 3.213 | -0.059 | | |
| 1.410 | -0.012 | 1.418 | -0.012 | 1.425 | -0.012 | 1.433 | -0.012 | 3.226 | -0.060 | 3.236 | -0.124 | 3.245 | -0.061 | 3.266 | 0.0 | | |
| 1.440 | -0.054 | 1.452 | -0.117 | 1.463 | -0.012 | 1.476 | 0.051 | 3.279 | -0.022 | 3.294 | -0.022 | 3.309 | 0.018 | 3.319 | -0.045 | | |
| 1.488 | -0.012 | 1.493 | -0.012 | 1.510 | -0.012 | 1.523 | 0.009 | 3.332 | -0.172 | 3.343 | -0.277 | 3.351 | -0.383 | 3.360 | -0.216 | | |
| 1.533 | 0.030 | 1.544 | 0.051 | 1.554 | 0.009 | 1.563 | -0.012 | 3.372 | 0.069 | 3.375 | 0.035 | 3.383 | 0.077 | 3.389 | 0.223 | | |
| 1.569 | -0.054 | 1.578 | -0.075 | 1.590 | -0.138 | 1.599 | -0.137 | 3.396 | 0.307 | 3.402 | 0.391 | 3.411 | 0.285 | 3.421 | 0.159 | | |
| 1.608 | -0.116 | 1.620 | -0.030 | 1.629 | -0.135 | 1.637 | -0.261 | 3.428 | 0.096 | 3.434 | -0.031 | 3.443 | 0.116 | 3.455 | 0.115 | | |
| 1.646 | -0.156 | 1.657 | -0.032 | 1.665 | -0.074 | 1.673 | -0.116 | 3.472 | 0.135 | 3.496 | 0.134 | 3.508 | 0.238 | 3.523 | 0.154 | | |
| 1.682 | -0.116 | 1.690 | -0.263 | 1.707 | -0.137 | 1.722 | -0.053 | 3.534 | -0.036 | 3.545 | -0.141 | 3.551 | -0.330 | 3.564 | -0.226 | | |
| 1.737 | -0.115 | 1.744 | -0.073 | 1.756 | -0.032 | 1.763 | -0.053 | 3.579 | -0.185 | 3.594 | -0.186 | 3.615 | -0.145 | 3.628 | -0.229 | | |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 3.651 | -0.293 | 3.662 | -0.189 | 3.674 | -0.022 | 3.683 | 0.124 | 6.181 | 0.329 | 6.192 | -0.048 | 6.198 | -0.634 | 6.211 | -0.989 |
| 3.700 | -0.023 | 3.711 | -0.192 | 3.728 | -0.025 | 3.738 | 0.122 | 6.222 | -0.840 | 6.226 | -0.525 | 6.245 | -0.102 | 6.256 | -0.100 |
| 3.751 | 0.184 | 3.766 | 0.162 | 3.781 | 0.225 | 3.798 | 0.141 | 6.277 | -0.097 | 6.288 | 0.051 | 6.296 | 0.178 | 6.309 | 0.495 |
| 3.815 | 0.079 | 3.827 | 0.037 | 3.842 | 0.101 | 3.855 | 0.227 | 6.318 | 0.371 | 6.338 | 0.142 | 6.335 | -0.172 | 6.345 | -0.230 |
| 3.864 | 0.059 | 3.881 | 0.150 | 3.896 | -0.359 | 3.917 | -0.317 | 6.354 | 0.714 | 6.381 | 0.626 | 6.390 | -0.814 | 6.409 | -1.230 |
| 3.930 | -0.233 | 3.945 | -0.232 | 3.962 | -0.043 | 3.983 | -0.126 | 6.417 | -0.872 | 6.428 | -0.346 | 6.439 | -0.093 | 6.452 | 0.056 |
| 4.000 | -0.210 | 4.010 | -0.356 | 4.025 | -0.167 | 4.032 | -0.146 | 6.462 | 0.351 | 6.471 | 0.709 | 6.483 | 1.005 | 6.490 | 1.216 |
| 4.046 | -0.104 | 4.063 | -0.103 | 4.070 | -0.040 | 4.091 | 0.107 | 6.502 | 1.071 | 6.515 | 0.926 | 6.528 | 0.760 | 6.539 | 0.615 |
| 4.115 | 0.024 | 4.119 | -0.018 | 4.138 | -0.080 | 4.153 | 0.025 | 6.553 | 0.512 | 6.566 | 0.221 | 6.581 | 0.014 | 6.598 | 0.141 |
| 4.166 | 0.214 | 4.181 | 0.130 | 4.195 | 0.026 | 4.206 | -0.099 | 6.611 | 0.310 | 6.619 | 0.583 | 6.628 | 0.814 | 6.636 | 1.087 |
| 4.219 | -0.225 | 4.227 | -0.350 | 4.242 | -0.266 | 4.249 | -0.077 | 6.651 | 1.256 | 6.658 | 1.130 | 6.673 | 0.775 | 6.687 | 1.041 |
| 4.265 | 0.050 | 4.278 | -0.034 | 4.291 | -0.054 | 4.300 | -0.030 | 6.696 | -0.525 | 6.705 | -1.531 | 6.715 | -1.992 | 6.728 | -2.075 |
| 4.310 | 0.073 | 4.317 | 0.010 | 4.325 | -0.095 | 4.338 | -0.094 | 6.736 | -1.320 | 6.743 | -0.396 | 6.753 | -0.228 | 6.772 | -0.332 |
| 4.357 | 0.032 | 4.370 | 0.033 | 4.378 | 0.117 | 4.387 | 0.034 | 6.783 | -0.226 | 6.792 | -0.016 | 6.809 | 0.174 | 6.819 | 0.216 |
| 4.402 | -0.050 | 4.416 | 0.098 | 4.425 | 0.077 | 4.433 | 0.077 | 6.832 | 0.343 | 6.839 | 0.532 | 6.855 | 0.679 | 6.862 | 0.533 |
| 4.451 | 0.057 | 4.455 | -0.048 | 4.463 | -0.047 | 4.472 | -0.215 | 6.870 | 0.408 | 6.879 | 0.198 | 6.890 | 0.031 | 6.898 | -0.052 |
| 4.489 | -0.361 | 4.497 | -0.214 | 4.508 | -0.109 | 4.527 | -0.087 | 6.907 | 0.137 | 6.913 | 0.263 | 6.921 | 0.410 | 6.930 | 0.243 |
| 4.538 | -0.044 | 4.551 | 0.124 | 4.565 | -0.043 | 4.576 | -0.169 | 6.975 | -0.948 | 6.987 | -0.174 | 6.998 | -0.530 | 7.007 | -0.866 |
| 4.585 | -0.316 | 4.606 | -0.211 | 4.618 | 0.208 | 4.623 | 0.062 | 7.023 | -0.341 | 7.034 | 0.205 | 7.043 | 0.540 | 7.053 | 0.687 |
| 4.635 | 0.103 | 4.655 | 0.166 | 4.670 | 0.106 | 4.684 | 0.124 | 7.060 | 0.918 | 7.075 | 0.750 | 7.091 | 0.583 | 7.098 | 0.772 |
| 4.695 | -0.023 | 4.701 | -0.170 | 4.704 | -0.380 | 4.718 | -0.569 | 7.106 | 0.919 | 7.119 | 1.129 | 7.126 | 0.982 | 7.140 | 0.772 |
| 4.725 | -0.296 | 4.731 | -0.129 | 4.738 | 0.039 | 4.740 | 0.207 | 7.142 | -0.320 | 7.151 | 0.521 | 7.162 | 0.269 | 7.164 | 0.059 |
| 4.750 | 0.375 | 4.761 | 0.249 | 4.769 | -0.003 | 4.776 | -0.213 | 7.172 | -0.213 | 7.179 | -0.465 | 7.187 | -0.549 | 7.194 | -0.674 |
| 4.780 | -0.402 | 4.787 | -0.549 | 4.801 | -0.444 | 4.806 | -0.109 | 7.202 | -0.595 | 7.209 | -0.506 | 7.217 | -0.276 | 7.223 | 0.018 |
| 4.810 | 0.751 | 4.816 | 0.541 | 4.821 | 0.688 | 4.831 | 0.793 | 7.230 | 0.207 | 7.242 | 0.186 | 7.253 | 0.228 | 7.268 | 0.585 |
| 4.844 | 0.311 | 4.854 | 0.625 | 4.861 | 0.478 | 4.869 | 0.457 | 7.276 | 0.795 | 7.291 | 0.816 | 7.300 | 0.690 | 7.310 | 0.271 |
| 4.876 | 0.541 | 4.889 | 0.582 | 4.899 | 0.729 | 4.908 | 0.666 | 7.276 | 0.795 | 7.291 | 0.816 | 7.300 | 0.690 | 7.310 | 0.271 |
| 4.920 | 0.309 | 4.925 | -0.026 | 4.935 | -0.194 | 4.946 | -0.215 | 7.321 | -0.169 | 7.330 | -0.442 | 7.334 | -0.652 | 7.351 | -0.421 |
| 4.957 | -0.320 | 4.967 | -0.446 | 4.980 | -0.530 | 4.989 | -0.530 | 7.366 | -0.190 | 7.374 | -0.441 | 7.383 | -0.840 | 7.396 | -1.154 |
| 4.997 | -0.425 | 5.005 | -0.299 | 5.012 | -0.194 | 5.020 | -0.152 | 7.404 | -0.755 | 7.413 | -0.146 | 7.428 | 0.904 | 7.438 | 1.387 |
| 5.029 | 0.047 | 5.035 | 0.058 | 5.042 | 0.079 | 5.056 | 0.247 | 7.449 | 1.807 | 7.461 | 1.346 | 7.472 | 0.676 | 7.483 | 0.047 |
| 5.067 | 0.184 | 5.080 | 0.163 | 5.093 | -0.005 | 5.103 | -0.151 | 7.493 | -0.393 | 7.504 | -0.581 | 7.519 | -0.307 | 7.532 | -0.180 |
| 5.116 | -0.403 | 5.127 | -0.508 | 5.142 | -0.696 | 5.159 | -0.696 | 7.542 | 0.051 | 7.549 | 0.303 | 7.557 | 0.660 | 7.570 | 0.997 |
| 5.171 | -0.507 | 5.184 | -0.276 | 5.195 | -0.108 | 5.208 | -0.234 | 7.578 | 1.354 | 7.587 | 1.501 | 7.600 | 1.145 | 7.608 | 0.223 |
| 5.224 | -0.464 | 5.237 | -0.150 | 5.246 | 0.186 | 5.254 | 0.375 | 7.615 | -0.007 | 7.627 | -0.489 | 7.636 | -0.803 | 7.644 | -1.075 |
| 5.261 | 0.186 | 5.271 | 0.040 | 5.286 | 0.061 | 5.301 | 0.124 | 7.655 | -1.410 | 7.670 | -1.283 | 7.685 | -1.198 | 7.702 | -1.029 |
| 5.312 | -0.002 | 5.327 | -0.127 | 5.337 | -0.106 | 5.344 | 0.292 | 7.715 | -0.336 | 7.723 | 0.398 | 7.734 | 0.860 | 7.746 | 1.092 |
| 5.350 | 0.544 | 5.365 | 0.754 | 5.378 | 1.132 | 5.388 | 1.048 | 7.759 | 0.941 | 7.770 | 0.275 | 7.783 | -0.185 | 7.791 | 0.151 |
| 5.403 | 0.902 | 5.412 | 0.692 | 5.427 | 0.881 | 5.442 | 0.924 | 7.800 | 0.382 | 7.815 | 0.213 | 7.827 | -0.187 | 7.836 | -0.083 |
| 5.452 | 0.630 | 5.471 | -1.257 | 5.480 | -1.718 | 5.493 | -1.991 | 7.846 | 0.294 | 7.853 | 0.545 | 7.865 | 0.544 | 7.876 | 0.418 |
| 5.505 | -1.885 | 5.522 | -1.948 | 5.533 | -2.053 | 5.543 | -1.801 | 7.883 | 0.249 | 7.899 | 0.101 | 7.906 | 0.289 | 7.925 | -0.006 |
| 5.550 | -1.171 | 5.561 | -0.374 | 5.571 | 0.214 | 5.578 | 0.508 | 7.934 | -0.531 | 7.955 | -1.036 | 7.957 | -0.721 | 7.963 | -0.407 |
| 5.592 | 0.760 | 5.601 | 0.970 | 5.611 | 1.222 | 5.620 | 1.306 | 7.972 | -0.219 | 7.989 | -0.263 | 8.008 | 0.030 | 8.016 | 0.386 |
| 5.633 | 1.117 | 5.646 | 0.614 | 5.654 | 0.090 | 5.661 | -0.602 | 8.027 | 0.846 | 8.038 | 0.971 | 8.050 | 1.054 | 8.068 | 1.283 |
| 5.667 | -1.294 | 5.675 | -1.503 | 5.686 | -1.230 | 5.692 | -0.811 | 8.084 | 1.114 | 8.095 | 0.568 | 8.106 | -0.188 | 8.117 | -0.440 |
| 5.705 | -0.433 | 5.716 | -0.475 | 5.729 | -0.285 | 5.746 | 0.197 | 8.131 | -0.001 | 8.138 | 0.544 | 8.148 | 0.669 | 8.157 | 0.354 |
| 5.754 | 1.267 | 5.765 | 1.792 | 5.777 | 1.729 | 5.788 | 1.520 | 8.165 | 0.038 | 8.172 | -0.214 | 8.182 | -0.382 | 8.193 | -0.467 |
| 5.799 | 0.892 | 5.813 | 0.158 | 5.826 | 0.117 | 5.835 | 0.411 | 8.206 | -0.489 | 8.219 | -0.532 | 8.235 | -0.638 | 8.250 | -0.408 |
| 5.845 | 0.811 | 5.856 | 0.602 | 5.867 | -0.027 | 5.879 | -0.509 | 8.261 | -0.198 | 8.276 | -0.472 | 8.289 | -0.724 | 8.299 | -0.473 |
| 5.890 | -0.529 | 5.901 | -0.423 | 5.913 | -0.465 | 5.930 | -0.526 | 8.312 | 0.051 | 8.319 | 0.323 | 8.333 | 0.553 | 8.342 | 0.867 |
| 5.941 | -0.253 | 5.954 | 0.167 | 5.964 | 0.105 | 5.977 | 0.001 | 8.350 | 0.993 | 8.363 | 0.866 | 8.378 | 0.991 | 8.393 | 0.760 |
| 5.988 | 0.212 | 5.998 | 0.275 | 6.007 | 0.150 | 6.016 | 0.004 | 8.408 | 0.339 | 8.420 | -0.039 | 8.438 | -0.459 | 8.448 | -0.229 |
| 6.022 | -0.269 | 6.030 | -0.457 | 6.054 | -0.287 | 6.064 | -0.560 | 8.454 | 0.062 | 8.461 | 0.106 | 8.469 | 0.357 | 8.478 | 0.629 |
| 6.077 | -1.020 | 6.084 | -0.663 | 6.094 | -0.369 | 6.103 | -0.158 | 8.486 | 0.734 | 8.499 | 0.607 | 8.508 | 0.334 | 8.518 | -0.065 |
| 6.109 | 0.073 | 6.116 | 0.241 | 6.124 | 0.409 | 6.132 | 0.619 | 8.533 | -0.905 | 8.544 | -1.367 | 8.555 | -1.535 | 8.565 | -1.200 |
| 6.139 | 0.788 | 6.150 | 0.789 | 6.158 | 0.621 | 6.167 | 0.517 | 8.574 | -0.445 | 8.589 | 0.036 | 8.601 | 0.078 | 8.622 | 0.121 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8.635 | 0.207 | 8.642 | 0.333 | 8.652 | 0.670 | 8.661 | 0.796 | 11.266 | -0.753 | 11.285 | -0.962 | 11.300 | -0.815 | 11.312 | -0.815 |
| 8.676 | 0.609 | 8.682 | 0.295 | 8.691 | -0.040 | 8.699 | -0.333 | 11.336 | -0.731 | 11.338 | -0.647 | 11.346 | -0.605 | 11.363 | -0.605 |
| 8.712 | -1.128 | 8.722 | -1.128 | 8.735 | -1.316 | 8.748 | -1.316 | 11.368 | -0.521 | 11.383 | -0.145 | 11.393 | -0.017 | 11.402 | 0.193 |
| 8.757 | -0.604 | 8.763 | -0.810 | 8.774 | -0.389 | 8.793 | -0.262 | 11.415 | 0.487 | 11.427 | 0.655 | 11.440 | 0.361 | 11.449 | -0.037 |
| 8.805 | -0.177 | 8.816 | -0.029 | 8.824 | 0.119 | 8.839 | 0.183 | 11.459 | -0.352 | 11.470 | -0.792 | 11.478 | -0.645 | 11.489 | -0.267 |
| 8.858 | 0.038 | 8.871 | 0.207 | 8.884 | 0.154 | 8.895 | 0.650 | 11.499 | 0.068 | 11.516 | -0.078 | 11.529 | -0.015 | 11.538 | 0.195 |
| 8.908 | 0.294 | 8.920 | 0.002 | 8.931 | -0.123 | 8.939 | 0.108 | 11.549 | 0.489 | 11.568 | 0.279 | 11.576 | 0.069 | 11.589 | -0.077 |
| 8.946 | 0.319 | 8.958 | 0.634 | 8.969 | 0.950 | 8.976 | 1.098 | 11.597 | 0.070 | 11.610 | 0.280 | 11.619 | 0.448 | 11.633 | 0.238 |
| 8.999 | 1.121 | 9.012 | 0.870 | 9.022 | 0.577 | 9.035 | 0.263 | 11.646 | -0.014 | 11.657 | -0.328 | 11.663 | -0.391 | 11.674 | -0.454 |
| 9.043 | -0.030 | 9.050 | -0.596 | 9.065 | -0.805 | 9.080 | -0.532 | 11.689 | -0.684 | 11.697 | -0.894 | 11.702 | -1.146 | 11.712 | -1.292 |
| 9.090 | -0.091 | 9.103 | 0.245 | 9.112 | 0.435 | 9.120 | 0.519 | 11.725 | -1.103 | 11.735 | -0.977 | 11.746 | -0.705 | 11.759 | -0.599 |
| 9.135 | 0.646 | 9.150 | 0.814 | 9.171 | 0.794 | 9.186 | 0.439 | 11.768 | -0.453 | 11.780 | -0.347 | 11.787 | -0.263 | 11.799 | -0.326 |
| 9.194 | 0.211 | 9.211 | 0.020 | 9.222 | -0.503 | 9.229 | -0.923 | 11.806 | -0.452 | 11.818 | -0.347 | 11.827 | -0.158 | 11.840 | -0.053 |
| 9.239 | -1.363 | 9.248 | -1.572 | 9.269 | -1.927 | 9.278 | -1.738 | 11.857 | 0.032 | 11.867 | 0.200 | 11.878 | 0.200 | 11.891 | 0.075 |
| 9.290 | -1.570 | 9.301 | -1.234 | 9.312 | -0.981 | 9.324 | -0.603 | 11.899 | -0.050 | 11.916 | -0.029 | 11.933 | 0.140 | 11.950 | 0.224 |
| 9.333 | -0.372 | 9.341 | -0.183 | 9.360 | 0.112 | 9.369 | 0.427 | 11.967 | 0.309 | 11.982 | 0.414 | 11.991 | 0.645 | 12.003 | 0.415 |
| 9.379 | 0.973 | 9.390 | 1.330 | 9.401 | 1.268 | 9.411 | 0.975 | 12.012 | 0.269 | 12.020 | -0.004 | 12.035 | -0.213 | 12.044 | 0.108 |
| 9.420 | 0.765 | 9.430 | 0.701 | 9.445 | 0.617 | 9.462 | 0.617 | 12.057 | 0.019 | 12.076 | 0.061 | 12.093 | 0.062 | 12.103 | 0.251 |
| 9.480 | 0.595 | 9.492 | 0.511 | 9.514 | 0.133 | 9.533 | 0.321 | 12.118 | 0.399 | 12.123 | 0.252 | 12.138 | 0.085 | 12.140 | -0.167 |
| 9.545 | 0.531 | 9.556 | 0.845 | 9.567 | 0.845 | 9.577 | 0.656 | 12.163 | -0.376 | 12.172 | -0.019 | 12.195 | 0.485 | 12.208 | 0.360 |
| 9.588 | 0.404 | 9.596 | 0.278 | 9.603 | 0.152 | 9.613 | 0.025 | 12.218 | 0.214 | 12.229 | 0.151 | 12.240 | 0.298 | 12.256 | 0.445 |
| 9.624 | -0.269 | 9.639 | -0.521 | 9.656 | -0.269 | 9.679 | -0.354 | 12.269 | 0.299 | 12.284 | 0.152 | 12.297 | 0.047 | 12.307 | -0.330 |
| 9.688 | -0.459 | 9.701 | -0.417 | 9.718 | -0.607 | 9.732 | -0.271 | 12.314 | -0.708 | 12.329 | -0.707 | 12.339 | -0.477 | 12.352 | -0.883 |
| 9.743 | 0.190 | 9.752 | 0.714 | 9.762 | 1.049 | 9.777 | 0.797 | 12.361 | -0.246 | 12.376 | -0.413 | 12.397 | -0.266 | 12.403 | -0.056 |
| 9.786 | 0.377 | 9.794 | 0.0 | 9.801 | -0.315 | 9.818 | -0.337 | 12.412 | 0.175 | 12.420 | 0.364 | 12.433 | 0.322 | 12.435 | 0.322 |
| 9.830 | -0.610 | 9.843 | -1.008 | 9.852 | -0.904 | 9.864 | -0.568 | 12.442 | 0.280 | 12.452 | 0.091 | 12.458 | 0.007 | 12.473 | -0.955 |
| 9.867 | -0.338 | 9.875 | -0.149 | 9.884 | 0.018 | 9.896 | 0.228 | 12.490 | -0.181 | 12.497 | -0.370 | 12.512 | -0.474 | 12.531 | -0.432 |
| 9.903 | 0.458 | 9.913 | 0.773 | 9.926 | 1.213 | 9.937 | 0.982 | 12.546 | -0.369 | 12.556 | -0.222 | 12.571 | -0.222 | 12.586 | -0.117 |
| 9.952 | 0.415 | 9.958 | 0.331 | 9.979 | 0.351 | 9.994 | 0.225 | 12.599 | 0.093 | 12.609 | 0.219 | 12.622 | 0.135 | 12.631 | 0.010 |
| 10.005 | -0.048 | 10.018 | -0.342 | 10.026 | -0.636 | 10.037 | -0.825 | 12.641 | 0.156 | 12.652 | 0.303 | 12.661 | 0.470 | 12.677 | 0.449 |
| 10.047 | -0.615 | 10.054 | -0.385 | 10.062 | -0.070 | 10.081 | -0.711 | 12.692 | 0.386 | 12.712 | 0.301 | 12.722 | 0.448 | 12.739 | 0.468 |
| 10.086 | -0.281 | 10.111 | -0.176 | 10.124 | -0.114 | 10.137 | -0.303 | 12.765 | 0.510 | 12.778 | 0.467 | 12.795 | 0.299 | 12.807 | 0.047 |
| 10.149 | -0.849 | 10.156 | -0.744 | 10.166 | -0.262 | 10.177 | -0.262 | 12.822 | 0.235 | 12.829 | 0.424 | 12.850 | 0.319 | 12.865 | 0.150 |
| 10.190 | 0.199 | 10.198 | -0.053 | 10.213 | -0.326 | 10.224 | -0.137 | 12.875 | 0.003 | 12.890 | 0.045 | 12.909 | -0.040 | 12.924 | 0.044 |
| 10.232 | 0.136 | 10.239 | 0.514 | 10.253 | 0.851 | 10.262 | 0.620 | 12.937 | 0.211 | 12.948 | 0.190 | 12.962 | 0.106 | 12.980 | 0.042 |
| 10.273 | -0.029 | 10.290 | -0.406 | 10.305 | -0.321 | 10.321 | -0.111 | 12.986 | 0.021 | 13.007 | 0.021 | 13.024 | 0.062 | 13.037 | 0.104 |
| 10.336 | 0.121 | 10.343 | -0.026 | 10.356 | -0.256 | 10.372 | -0.444 | 13.050 | 0.292 | 13.067 | 0.228 | 13.084 | 0.206 | 13.094 | 0.289 |
| 10.390 | -0.506 | 10.402 | -0.841 | 10.417 | -1.301 | 10.430 | -1.510 | 13.109 | 0.414 | 13.122 | 0.350 | 13.131 | 0.223 | 13.139 | 0.055 |
| 10.443 | -1.573 | 10.456 | -1.320 | 10.470 | -0.795 | 10.487 | -0.228 | 13.147 | -0.155 | 13.160 | -0.366 | 13.169 | -0.408 | 13.188 | -0.263 |
| 10.500 | 0.213 | 10.513 | 0.529 | 10.526 | 0.466 | 10.540 | 0.404 | 13.198 | -0.053 | 13.209 | -0.135 | 13.220 | -0.013 | 13.230 | -0.202 |
| 10.537 | 0.615 | 10.562 | 1.014 | 10.577 | 1.224 | 10.600 | 1.120 | 13.237 | -0.476 | 13.249 | -0.434 | 13.260 | -0.309 | 13.271 | -0.100 |
| 10.611 | 0.869 | 10.617 | 0.723 | 10.632 | 0.430 | 10.647 | -0.219 | 13.279 | 0.004 | 13.286 | 0.171 | 13.294 | 0.318 | 13.303 | 0.296 |
| 10.658 | -0.721 | 10.670 | -0.678 | 10.692 | -0.823 | 10.698 | -0.676 | 13.316 | 0.211 | 13.333 | 0.189 | 13.341 | 0.254 | 13.356 | 0.272 |
| 10.706 | -0.298 | 10.719 | 0.227 | 10.728 | 0.815 | 10.742 | 1.257 | 13.371 | 0.145 | 13.386 | 0.018 | 13.409 | 0.017 | 13.424 | -0.173 |
| 10.759 | 1.594 | 10.776 | 1.343 | 10.787 | 0.862 | 10.802 | 0.339 | 13.434 | -0.384 | 13.449 | -0.468 | 13.467 | -0.364 | 13.483 | -0.386 |
| 10.813 | -0.059 | 10.825 | -0.163 | 10.834 | -0.603 | 10.847 | -0.749 | 13.498 | -0.345 | 13.517 | -0.262 | 13.537 | -0.326 | 13.558 | -0.411 |
| 10.864 | -0.831 | 10.872 | -1.145 | 10.885 | -1.438 | 10.896 | -1.353 | 13.581 | -0.286 | 13.590 | -0.098 | 13.596 | 0.090 | 13.605 | -0.258 |
| 10.910 | -1.163 | 10.915 | -1.079 | 10.923 | -0.931 | 10.932 | -0.826 | 13.634 | 0.298 | 13.649 | 0.402 | 13.658 | 0.528 | 13.681 | 0.631 |
| 10.938 | -0.679 | 10.947 | -0.552 | 10.955 | -0.384 | 10.964 | -0.173 | 13.694 | 0.778 | 13.705 | 0.966 | 13.719 | 1.091 | 13.734 | 0.943 |
| 10.970 | 0.016 | 10.977 | 0.227 | 10.981 | 0.374 | 10.991 | 0.605 | 13.747 | 0.796 | 13.756 | 0.669 | 13.771 | 0.732 | 13.785 | 0.710 |
| 11.004 | 0.753 | 11.021 | 0.733 | 11.030 | 0.482 | 11.038 | 0.209 | 13.800 | 0.646 | 13.815 | 0.436 | 13.830 | 0.309 | 13.843 | 0.141 |
| 11.047 | -0.063 | 11.059 | -0.168 | 11.068 | 0.084 | 11.078 | 0.441 | 13.854 | -0.258 | 13.868 | -0.301 | 13.883 | -0.301 | 13.898 | -0.302 |
| 11.093 | 0.441 | 11.102 | 0.189 | 11.108 | 0.042 | 11.117 | -0.314 | 13.913 | -0.240 | 13.922 | -0.072 | 13.932 | 0.032 | 13.943 | 0.137 |
| 11.127 | -0.566 | 11.142 | -0.859 | 11.151 | -0.628 | 11.161 | -0.083 | 13.955 | 0.262 | 13.973 | 0.157 | 13.989 | 0.030 | 14.002 | 0.093 |
| 11.172 | 0.253 | 11.181 | 0.819 | 11.191 | 0.903 | 11.206 | 0.715 | 14.007 | 0.218 | 14.023 | 0.301 | 14.034 | 0.427 | 14.056 | 0.342 |
| 11.219 | 0.505 | 11.234 | 0.254 | 11.242 | -0.019 | 11.251 | -0.312 | 14.072 | 0.258 | 14.083 | 0.152 | 14.102 | 0.047 | 14.117 | -0.038 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 14.134 | 0.045 | 14.149 | 0.171 | 14.170 | 0.149 | 14.185 | 0.274 | 18.104 | -0.082 | 18.127 | -0.103 | 18.140 | -0.081 | 18.176 | -0.081 |
| 14.198 | 0.504 | 14.217 | 0.713 | 14.226 | 0.629 | 14.238 | 0.461 | 18.195 | -0.144 | 18.213 | 0.003 | 18.244 | -0.101 | 18.266 | -0.227 |
| 14.245 | 0.272 | 14.270 | 0.417 | 14.289 | 0.270 | 14.300 | 0.067 | 18.289 | -0.331 | 18.296 | -0.415 | 18.327 | -0.372 | 18.359 | -0.392 |
| 14.315 | -0.424 | 14.336 | -0.488 | 14.360 | -0.447 | 14.376 | -0.322 | 18.372 | -0.287 | 18.393 | -0.182 | 18.410 | -0.076 | 18.442 | -0.117 |
| 14.385 | -0.176 | 14.400 | -0.030 | 14.417 | 0.053 | 14.440 | 0.115 | 18.468 | -0.368 | 18.506 | -0.556 | 18.531 | -0.493 | 18.546 | -0.408 |
| 14.451 | 0.010 | 14.462 | -0.285 | 14.477 | -0.537 | 14.493 | -0.412 | 18.568 | -0.219 | 18.597 | -0.134 | 18.615 | -0.092 | 18.634 | -0.028 |
| 14.506 | -0.308 | 14.525 | -0.309 | 14.542 | -0.268 | 14.557 | 0.067 | 18.653 | -0.070 | 18.706 | 0.141 | 18.734 | 0.078 | 18.757 | 0.371 |
| 14.564 | 0.360 | 14.579 | 0.443 | 14.589 | 0.170 | 14.604 | 0.044 | 18.795 | 0.602 | 18.840 | 0.586 | 18.855 | 0.560 | 18.868 | 0.371 |
| 14.617 | 0.148 | 14.634 | 0.252 | 14.653 | 0.146 | 14.668 | 0.040 | 18.901 | 0.246 | 18.908 | 0.183 | 18.936 | 0.392 | 18.963 | 0.267 |
| 14.685 | 0.123 | 14.706 | 0.038 | 14.723 | 0.037 | 14.740 | 0.037 | 18.991 | 0.246 | 19.016 | 0.057 | 19.035 | 0.015 | 19.087 | 0.204 |
| 14.753 | -0.090 | 14.766 | -0.154 | 14.785 | -0.071 | 14.798 | -0.092 | 19.120 | 0.119 | 19.163 | 0.307 | 19.197 | 0.201 | 19.223 | 0.305 |
| 14.810 | -0.240 | 14.823 | -0.366 | 14.832 | -0.514 | 14.844 | -0.535 | 19.246 | 0.242 | 19.286 | 0.547 | 19.308 | 0.282 | 19.323 | 0.387 |
| 14.864 | -0.494 | 14.876 | -0.453 | 14.895 | -0.517 | 14.912 | -0.602 | 19.359 | 0.533 | 19.376 | 0.426 | 19.406 | 0.343 | 19.439 | 0.405 |
| 14.927 | -0.519 | 14.942 | -0.582 | 14.965 | -0.667 | 14.978 | -0.563 | 19.457 | 0.509 | 19.488 | 0.445 | 19.514 | 0.424 | 19.539 | 0.465 |
| 14.991 | -0.522 | 15.006 | -0.586 | 15.023 | -0.817 | 15.032 | -0.965 | 19.563 | 0.549 | 19.595 | 0.597 | 19.616 | 0.150 | 19.642 | 0.087 |
| 15.048 | -1.028 | 15.070 | -0.862 | 15.083 | -0.632 | 15.095 | -0.443 | 19.671 | -0.040 | 19.701 | 0.002 | 19.722 | -0.040 | 19.769 | -0.188 |
| 15.116 | -0.088 | 15.136 | -0.047 | 15.153 | -0.111 | 15.174 | -0.091 | 19.814 | -0.063 | 19.844 | -0.210 | 19.877 | -0.357 | 19.905 | -0.315 |
| 15.185 | 0.013 | 15.200 | 0.180 | 15.219 | 0.242 | 15.242 | 0.199 | 19.943 | -0.377 | 19.967 | -0.376 | 19.986 | -0.501 | 20.011 | -0.626 |
| 15.265 | 0.177 | 15.287 | 0.176 | 15.310 | 0.175 | 15.323 | 0.132 | 20.026 | -0.625 | 20.065 | -0.708 | 20.084 | -0.581 | 20.116 | -0.475 |
| 15.340 | -0.142 | 15.359 | -0.205 | 15.378 | -0.332 | 15.387 | -0.396 | 20.139 | -0.411 | 20.167 | -0.263 | 20.199 | -0.241 | 20.228 | -0.387 |
| 15.402 | -0.585 | 15.414 | -0.670 | 15.427 | -0.607 | 15.448 | -0.525 | 20.254 | -0.302 | 20.267 | -0.239 | 20.294 | -0.196 | 20.320 | -0.152 |
| 15.459 | -0.357 | 15.470 | -0.253 | 15.486 | -0.212 | 15.499 | -0.318 | 20.360 | -0.129 | 20.382 | -0.274 | 20.403 | -0.441 | 20.420 | -0.293 |
| 15.514 | -0.465 | 15.527 | -0.340 | 15.538 | -0.236 | 15.554 | -0.236 | 20.449 | -0.144 | 20.484 | -0.163 | 20.515 | -0.224 | 20.549 | -0.410 |
| 15.565 | -0.258 | 15.586 | -0.259 | 15.606 | -0.302 | 15.621 | -0.282 | 20.579 | -0.303 | 20.615 | -0.154 | 20.639 | -0.132 | 20.692 | -0.254 |
| 15.638 | -0.199 | 15.655 | -0.284 | 15.680 | -0.390 | 15.695 | -0.285 | 20.734 | -0.168 | 20.773 | -0.357 | 20.805 | -0.251 | 20.854 | -0.419 |
| 15.706 | -0.098 | 15.714 | 0.070 | 15.727 | 0.237 | 15.748 | 0.236 | 20.879 | -0.083 | 20.903 | -0.232 | 20.941 | 0.338 | 20.990 | 0.233 |
| 15.763 | 0.319 | 15.780 | 0.465 | 15.788 | 0.465 | 15.805 | 0.338 | 21.051 | 0.465 | 21.075 | 0.402 | 21.115 | 0.571 | 21.138 | 0.633 |
| 15.818 | 0.107 | 15.833 | -0.041 | 15.846 | 0.063 | 15.861 | 0.188 | 21.158 | 0.465 | 21.177 | 0.318 | 21.204 | 0.213 | 21.241 | -0.102 |
| 15.878 | 0.271 | 15.893 | 0.312 | 15.912 | 0.269 | 15.925 | 0.080 | 21.285 | 0.359 | 21.309 | 0.191 | 21.357 | 0.148 | 21.406 | 0.001 |
| 15.940 | -0.131 | 15.954 | -0.362 | 15.976 | -0.468 | 15.993 | -0.532 | 21.432 | 0.168 | 21.466 | 0.147 | 21.534 | 0.293 | 21.557 | 0.291 |
| 16.010 | -0.596 | 16.027 | -0.575 | 16.042 | -0.387 | 16.054 | -0.073 | 21.583 | 0.481 | 21.598 | 0.481 | 21.627 | 0.375 | 21.657 | 0.291 |
| 16.067 | 0.094 | 16.082 | 0.072 | 16.099 | 0.113 | 16.118 | 0.217 | 21.687 | 0.417 | 21.715 | 0.290 | 21.734 | 0.311 | 21.762 | 0.080 |
| 16.133 | 0.342 | 16.152 | 0.320 | 16.163 | 0.236 | 16.180 | 0.109 | 21.783 | 0.164 | 21.802 | -0.163 | 21.832 | -0.047 | 21.868 | -0.005 |
| 16.192 | 0.255 | 16.197 | 0.318 | 16.212 | 0.275 | 16.235 | 0.211 | 21.912 | -0.258 | 21.949 | -0.069 | 21.972 | -0.154 | 21.997 | -0.112 |
| 16.258 | 0.063 | 16.275 | -0.001 | 16.286 | 0.083 | 16.290 | 0.208 | 22.025 | -0.322 | 22.040 | -0.406 | 22.087 | -0.155 | 22.131 | 0.201 |
| 16.257 | 0.271 | 16.312 | 0.312 | 16.348 | 0.395 | 16.369 | 0.394 | 22.157 | 0.243 | 22.180 | 0.305 | 22.202 | 0.221 | 22.215 | 0.179 |
| 16.377 | 0.331 | 16.388 | 0.121 | 16.405 | 0.036 | 16.422 | 0.056 | 22.240 | 0.284 | 22.246 | 0.304 | 22.268 | 0.136 | 22.304 | 0.241 |
| 16.441 | 0.182 | 16.460 | 0.349 | 16.490 | 0.285 | 16.511 | 0.347 | 22.323 | 0.178 | 22.351 | 0.324 | 22.385 | 0.094 | 22.414 | -0.011 |
| 16.539 | 0.283 | 16.560 | 0.345 | 16.569 | 0.428 | 16.590 | 0.469 | 22.457 | -0.242 | 22.493 | -0.326 | 22.531 | -0.347 | 22.548 | -0.473 |
| 16.620 | 0.510 | 16.633 | 0.426 | 16.641 | 0.216 | 16.650 | 0.048 | 22.578 | -0.347 | 22.616 | -0.389 | 22.659 | -0.095 | 22.689 | -0.221 |
| 16.658 | -0.037 | 16.680 | -0.058 | 16.714 | -0.144 | 16.735 | -0.082 | 22.737 | -0.011 | 22.767 | -0.075 | 22.797 | 0.030 | 22.825 | -0.096 |
| 16.756 | -0.145 | 16.792 | -0.084 | 16.815 | -0.169 | 16.841 | -0.274 | 22.865 | -0.181 | 22.878 | -0.202 | 22.918 | -0.139 | 22.935 | -0.266 |
| 16.867 | -0.255 | 16.882 | -0.045 | 16.913 | 0.205 | 16.932 | 0.079 | 22.965 | -0.286 | 22.988 | -0.371 | 23.010 | -0.288 | 23.040 | -0.456 |
| 16.954 | -0.027 | 16.981 | 0.014 | 17.013 | -0.051 | 17.043 | 0.032 | 23.076 | -0.288 | 23.105 | -0.352 | 23.144 | -0.289 | 23.191 | -0.100 |
| 17.056 | 0.158 | 17.073 | 0.283 | 17.086 | 0.198 | 17.100 | 0.009 | 23.218 | -0.078 | 23.263 | 0.111 | 23.290 | 0.216 | 23.346 | 0.406 |
| 17.118 | -0.181 | 17.147 | -0.245 | 17.171 | -0.331 | 17.186 | -0.331 | 23.380 | 0.218 | 23.416 | 0.554 | 23.444 | 0.491 | 23.469 | 0.491 |
| 17.219 | -0.249 | 17.237 | 0.085 | 17.258 | 0.294 | 17.283 | 0.167 | 23.497 | 0.324 | 23.529 | 0.115 | 23.552 | -0.074 | 23.603 | -0.176 |
| 17.307 | 0.166 | 17.337 | 0.038 | 17.358 | 0.142 | 17.385 | 0.183 | 23.628 | 0.077 | 23.660 | 0.205 | 23.701 | 0.060 | 23.735 | 0.250 |
| 17.404 | 0.182 | 17.424 | 0.202 | 17.443 | 0.096 | 17.462 | -0.073 | 23.763 | 0.378 | 23.818 | 0.632 | 23.839 | 0.487 | 23.875 | 0.258 |
| 17.502 | -0.179 | 17.534 | -0.264 | 17.558 | -0.349 | 17.594 | -0.224 | 23.898 | 0.070 | 23.928 | -0.033 | 23.965 | 0.052 | 23.982 | 0.052 |
| 17.611 | -0.308 | 17.649 | -0.414 | 17.683 | -0.352 | 17.700 | -0.122 | 24.024 | -0.115 | 24.058 | -0.073 | 24.103 | 0.012 | 24.132 | -0.135 |
| 17.726 | 0.087 | 17.757 | 0.170 | 17.770 | 0.212 | 17.791 | 0.149 | 24.154 | -0.030 | 24.183 | -0.008 | 24.203 | 0.034 | 24.232 | 0.160 |
| 17.808 | -0.020 | 17.821 | -0.209 | 17.836 | -0.461 | 17.845 | -0.482 | 24.260 | 0.035 | 24.285 | -0.007 | 24.322 | -0.006 | 24.375 | -0.007 |
| 17.864 | -0.336 | 17.875 | -0.168 | 17.894 | 0.041 | 17.911 | -0.063 | 24.411 | 0.013 | 24.443 | -0.071 | 24.471 | -0.135 | 24.487 | -0.072 |
| 17.919 | -0.084 | 17.955 | -0.063 | 17.977 | -0.042 | 18.002 | 0.085 | 24.502 | 0.053 | 24.526 | -0.094 | 24.549 | -0.073 | 24.573 | -0.033 |
| 18.019 | -0.209 | 18.032 | -0.355 | 18.049 | -0.481 | 18.070 | -0.271 | 24.607 | 0.008 | 24.634 | -0.034 | 24.655 | -0.035 | 24.685 | -0.120 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 24.715 | 0.047 | 24.745 | -0.037 | 24.770 | -0.100 | 24.798 | -0.016 | 32.032 | -0.236 | 32.049 | -0.279 | 32.094 | -0.197 | 32.130 | -0.219 |
| 24.815 | -0.100 | 24.834 | -0.120 | 24.868 | -0.078 | 24.906 | 0.027 | 32.179 | -0.116 | 32.226 | -0.139 | 32.274 | -0.162 | 32.328 | -0.017 |
| 24.940 | -0.119 | 24.981 | -0.056 | 25.009 | -0.160 | 25.034 | -0.076 | 32.359 | 0.066 | 32.377 | 0.128 | 32.398 | 0.085 | 32.455 | 0.062 |
| 25.068 | -0.096 | 25.108 | -0.075 | 25.128 | -0.159 | 25.162 | -0.263 | 32.508 | 0.165 | 32.525 | 0.101 | 32.568 | 0.099 | 32.578 | 0.057 |
| 25.208 | -0.220 | 25.249 | -0.093 | 25.285 | -0.029 | 25.319 | -0.091 | 32.608 | 0.077 | 32.630 | 0.116 | 32.680 | 0.116 | 32.702 | 0.031 |
| 25.344 | 0.056 | 25.379 | 0.057 | 25.430 | 0.185 | 25.459 | 0.227 | 32.742 | 0.051 | 32.772 | -0.014 | 32.797 | 0.027 | 32.849 | 0.109 |
| 25.489 | 0.270 | 25.525 | 0.166 | 25.553 | 0.293 | 25.606 | 0.104 | 32.878 | 0.088 | 32.912 | 0.067 | 32.953 | 0.066 | 32.989 | 0.108 |
| 25.646 | 0.082 | 25.674 | -0.170 | 25.717 | -0.255 | 25.766 | -0.444 | 33.027 | 0.191 | 33.061 | 0.295 | 33.110 | 0.295 | 33.151 | 0.252 |
| 25.782 | -0.444 | 25.808 | -0.444 | 25.846 | -0.319 | 25.868 | -0.131 | 33.184 | 0.147 | 33.229 | 0.209 | 33.272 | 0.251 | 33.316 | 0.232 |
| 25.878 | -0.089 | 25.908 | -0.131 | 25.946 | -0.111 | 26.001 | 0.036 | 33.365 | 0.149 | 33.404 | 0.066 | 33.454 | 0.046 | 33.487 | 0.026 |
| 26.035 | 0.037 | 26.068 | 0.058 | 26.099 | 0.205 | 26.131 | -0.046 | 33.525 | 0.006 | 33.550 | -0.098 | 33.580 | -0.013 | 33.627 | -0.075 |
| 26.169 | -0.129 | 26.204 | -0.003 | 26.236 | 0.018 | 26.265 | -0.086 | 33.661 | -0.011 | 33.699 | 0.034 | 33.731 | -0.047 | 33.769 | -0.043 |
| 26.303 | 0.145 | 26.323 | 0.166 | 26.352 | 0.062 | 26.399 | -0.083 | 33.807 | -0.060 | 33.859 | -0.054 | 33.888 | -0.114 | 33.920 | -0.195 |
| 26.416 | -0.166 | 26.442 | -0.144 | 26.484 | -0.247 | 26.514 | -0.203 | 33.952 | -0.150 | 34.015 | -0.061 | 34.039 | 0.006 | 34.084 | 0.032 |
| 26.546 | -0.181 | 26.565 | -0.075 | 26.588 | -0.032 | 26.616 | 0.075 | 34.122 | -0.105 | 34.152 | 0.018 | 34.190 | 0.148 | 34.222 | 0.067 |
| 26.648 | 0.035 | 26.680 | 0.078 | 26.701 | 0.142 | 26.724 | 0.101 | 34.250 | 0.112 | 34.297 | 0.054 | 34.345 | -0.025 | 34.365 | -0.023 |
| 26.754 | 0.145 | 26.778 | 0.020 | 26.812 | -0.084 | 26.829 | -0.104 | 34.390 | -0.041 | 34.418 | 0.109 | 34.443 | -0.015 | 34.471 | 0.114 |
| 26.863 | -0.187 | 26.903 | -0.144 | 26.929 | -0.207 | 26.926 | -0.143 | 34.503 | 0.074 | 34.524 | 0.222 | 34.552 | 0.014 | 34.590 | 0.142 |
| 26.990 | -0.057 | 27.029 | -0.057 | 27.056 | -0.119 | 27.086 | -0.035 | 34.633 | -0.128 | 34.654 | 0.041 | 34.679 | 0.063 | 34.707 | 0.064 |
| 27.111 | 0.055 | 27.148 | 0.030 | 27.175 | -0.012 | 27.214 | 0.050 | 34.724 | -0.061 | 34.735 | -0.144 | 34.756 | -0.038 | 34.788 | -0.162 |
| 27.235 | 0.113 | 27.267 | 0.216 | 27.296 | 0.173 | 27.318 | 0.130 | 34.818 | -0.034 | 34.843 | -0.117 | 34.866 | -0.032 | 34.900 | -0.135 |
| 27.337 | 0.109 | 27.365 | 0.149 | 27.405 | 0.232 | 27.418 | 0.252 | 34.947 | -0.113 | 34.986 | -0.070 | 35.043 | -0.026 | 35.100 | 0.101 |
| 27.441 | 0.230 | 27.464 | 0.313 | 27.499 | 0.249 | 27.507 | 0.249 | 35.136 | -0.003 | 35.166 | -0.023 | 35.188 | -0.127 | 35.213 | -0.064 |
| 27.532 | 0.185 | 27.562 | 0.121 | 27.613 | 0.161 | 27.645 | 0.222 | 35.247 | -0.003 | 35.262 | -0.192 | 35.281 | -0.403 | 35.307 | -0.362 |
| 27.681 | 0.242 | 27.726 | 0.150 | 27.758 | 0.281 | 27.786 | 0.301 | 35.338 | -0.405 | 35.356 | -0.091 | 35.390 | 0.432 | 35.407 | 0.284 |
| 27.818 | 0.362 | 27.839 | 0.441 | 27.866 | 0.612 | 27.885 | 0.548 | 35.430 | 0.304 | 35.449 | 0.157 | 35.458 | 0.072 | 35.475 | 0.051 |
| 27.926 | 0.484 | 27.962 | 0.441 | 27.986 | 0.482 | 28.028 | 0.504 | 35.490 | 0.008 | 35.498 | -0.097 | 35.519 | -0.286 | 35.551 | -0.077 |
| 28.051 | 0.399 | 28.085 | 0.212 | 28.104 | 0.128 | 28.120 | 0.108 | 35.581 | -0.035 | 35.607 | 0.216 | 35.624 | 0.090 | 35.658 | -0.016 |
| 28.145 | 0.087 | 28.168 | 0.130 | 28.188 | 0.193 | 28.205 | 0.110 | 35.692 | -0.121 | 35.726 | -0.057 | 35.758 | -0.182 | 35.787 | 0.008 |
| 28.228 | 0.006 | 28.266 | -0.035 | 28.302 | -0.118 | 28.322 | -0.118 | 35.847 | 0.011 | 35.879 | -0.113 | 35.913 | -0.028 | 35.930 | -0.111 |
| 28.347 | -0.012 | 28.377 | 0.030 | 28.409 | -0.032 | 28.449 | -0.053 | 35.959 | -0.131 | 35.987 | -0.046 | 36.011 | -0.087 | 36.025 | -0.066 |
| 28.498 | -0.032 | 28.534 | -0.053 | 28.560 | -0.032 | 28.598 | 0.094 | 36.040 | -0.002 | 36.064 | -0.022 | 36.078 | -0.022 | 36.089 | 0.0 |
| 28.636 | 0.010 | 28.685 | -0.116 | 28.715 | -0.158 | 28.738 | -0.200 | 36.098 | 0.0 | 36.110 | 0.043 | 36.123 | 0.064 | 36.140 | 0.107 |
| 28.768 | -0.242 | 28.794 | -0.305 | 28.836 | -0.264 | 28.868 | -0.182 | 36.155 | 0.107 | 36.168 | 0.108 | 36.176 | 0.087 | 36.202 | 0.151 |
| 28.885 | -0.287 | 28.919 | -0.352 | 28.976 | -0.396 | 29.019 | -0.397 | 36.215 | 0.089 | 36.229 | -0.037 | 36.244 | 0.026 | 36.261 | 0.026 |
| 29.051 | -0.483 | 29.085 | -0.358 | 29.115 | -0.401 | 29.140 | -0.339 | 36.276 | 0.069 | 36.298 | 0.069 | 36.306 | 0.090 | 36.327 | 0.070 |
| 29.164 | -0.235 | 29.223 | -0.195 | 29.242 | -0.238 | 29.272 | -0.281 | 36.338 | 0.070 | 36.351 | 0.070 | 36.359 | 0.112 | 36.372 | 0.112 |
| 29.308 | -0.177 | 29.336 | -0.198 | 29.376 | -0.073 | 29.406 | -0.137 | 36.383 | 0.134 | 36.398 | 0.134 | 36.415 | 0.113 | 36.432 | 0.092 |
| 29.450 | -0.180 | 29.474 | -0.244 | 29.516 | -0.161 | 29.548 | -0.225 | 36.442 | 0.093 | 36.457 | 0.093 | 36.470 | 0.072 | 36.485 | 0.072 |
| 29.584 | -0.142 | 29.629 | -0.144 | 29.685 | -0.083 | 29.714 | -0.022 | 36.495 | 0.115 | | | | | | |
| 29.736 | -0.023 | 29.761 | -0.003 | 29.804 | 0.036 | 29.827 | -0.007 | | | | | | | | |
| 29.865 | -0.009 | 29.893 | 0.032 | 29.935 | 0.155 | 29.961 | 0.070 | | | | | | | | |
| 30.003 | 0.089 | 30.040 | 0.171 | 30.076 | 0.211 | 30.120 | 0.209 | | | | | | | | |
| 30.161 | 0.207 | 30.191 | 0.226 | 30.222 | 0.267 | 30.256 | 0.223 | | | | | | | | |
| 30.305 | 0.200 | 30.358 | 0.239 | 30.378 | 0.196 | 30.420 | 0.299 | | | | | | | | |
| 30.459 | 0.276 | 30.493 | 0.233 | 30.539 | 0.337 | 30.575 | 0.336 | | | | | | | | |
| 30.614 | 0.293 | 30.648 | 0.208 | 30.686 | 0.228 | 30.726 | 0.123 | | | | | | | | |
| 30.780 | 0.121 | 30.811 | 0.204 | 30.826 | 0.246 | 30.858 | 0.224 | | | | | | | | |
| 30.890 | 0.139 | 30.914 | 0.033 | 30.950 | 0.094 | 30.975 | 0.072 | | | | | | | | |
| 31.011 | 0.197 | 31.050 | 0.069 | 31.079 | -0.016 | 31.105 | -0.080 | | | | | | | | |
| 31.158 | -0.019 | 31.192 | 0.043 | 31.224 | 0.125 | 31.260 | 0.039 | | | | | | | | |
| 31.294 | 0.100 | 31.320 | 0.056 | 31.339 | 0.097 | 31.383 | 0.157 | | | | | | | | |
| 31.424 | 0.025 | 31.481 | 0.025 | 31.519 | 0.022 | 31.547 | -0.063 | | | | | | | | |
| 31.577 | -0.107 | 31.615 | -0.131 | 31.634 | -0.174 | 31.654 | -0.154 | | | | | | | | |
| 31.700 | -0.303 | 31.751 | -0.327 | 31.773 | -0.244 | 31.815 | -0.267 | | | | | | | | |
| 31.866 | -0.354 | 31.894 | -0.439 | 31.926 | -0.336 | 31.992 | -0.234 | | | | | | | | |

IQ233

71.162. 2/9/71 0600PST 14724 VENTURA BOULEVARD, 1ST FLOOR, LOS ANGELES, CAL. UP

2210 POINTS 36.570 SECONDS

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

UNITS ARE SEC. G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT ADJUSTMENT, IS 0.1952 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|-------|------|-------|
| 0.0 | -0.335 | 0.017 | -0.308 | 0.030 | -0.212 | 0.042 | -0.131 | 1.741 | 0.046 | 1.754 | -0.035 | 1.769 | 0.005 | 1.778 | 0.033 | | | | |
| 0.051 | -0.076 | 0.062 | 0.019 | 0.070 | 0.060 | 0.079 | 0.019 | 1.792 | -0.049 | 1.799 | -0.185 | 1.807 | -0.131 | 1.822 | -0.186 | | | | |
| 0.087 | 0.006 | 0.108 | -0.021 | 0.117 | -0.062 | 0.130 | -0.007 | 1.835 | -0.063 | 1.842 | 0.059 | 1.850 | 0.168 | 1.863 | 0.167 | | | | |
| 0.143 | 0.061 | 0.155 | 0.007 | 0.162 | 0.129 | 0.177 | 0.034 | 1.875 | 0.290 | 1.876 | 0.385 | 1.886 | 0.493 | 1.897 | 0.412 | | | | |
| 0.191 | 0.062 | 0.208 | 0.007 | 0.213 | -0.088 | 0.227 | -0.060 | 1.903 | 0.303 | 1.905 | 0.112 | 1.920 | 0.289 | 1.929 | 0.193 | | | | |
| 0.236 | -0.074 | 0.249 | -0.142 | 0.257 | 0.008 | 0.276 | 0.035 | 1.935 | -0.119 | 1.950 | -0.079 | 1.958 | -0.147 | 1.969 | -0.242 | | | | |
| 0.293 | 0.117 | 0.296 | 0.063 | 0.304 | -0.046 | 0.315 | -0.059 | 1.975 | -0.378 | 1.988 | -0.216 | 1.995 | -0.066 | 2.009 | -0.202 | | | | |
| 0.327 | -0.059 | 0.336 | -0.168 | 0.349 | -0.086 | 0.357 | -0.032 | 2.016 | -0.026 | 2.026 | 0.165 | 2.033 | 0.028 | 2.039 | -0.053 | | | | |
| 0.372 | -0.085 | 0.385 | 0.118 | 0.400 | 0.078 | 0.413 | 0.024 | 2.046 | -0.053 | 2.061 | 0.028 | 2.071 | 0.164 | 2.080 | 0.136 | | | | |
| 0.421 | -0.085 | 0.434 | -0.072 | 0.449 | -0.167 | 0.457 | -0.072 | 2.094 | 0.150 | 2.111 | 0.150 | 2.122 | 0.149 | 2.129 | 0.027 | | | | |
| 0.466 | 0.064 | 0.479 | -0.031 | 0.489 | 0.078 | 0.500 | 0.118 | 2.137 | -0.055 | 2.145 | -0.164 | 2.154 | -0.205 | 2.163 | -0.273 | | | | |
| 0.515 | 0.091 | 0.532 | 0.037 | 0.546 | -0.004 | 0.555 | -0.127 | 2.179 | -0.368 | 2.192 | -0.450 | 2.205 | -0.382 | 2.214 | -0.246 | | | | |
| 0.564 | -0.099 | 0.574 | -0.181 | 0.589 | -0.372 | 0.598 | -0.249 | 2.224 | -0.110 | 2.229 | -0.015 | 2.239 | 0.080 | 2.246 | 0.162 | | | | |
| 0.615 | -0.195 | 0.634 | -0.182 | 0.642 | -0.060 | 0.651 | 0.090 | 2.260 | 0.162 | 2.273 | 0.230 | 2.282 | 0.149 | 2.290 | 0.040 | | | | |
| 0.665 | -0.019 | 0.680 | 0.089 | 0.689 | -0.020 | 0.704 | 0.075 | 2.299 | -0.055 | 2.311 | -0.191 | 2.326 | -0.082 | 2.333 | 0.040 | | | | |
| 0.717 | 0.116 | 0.729 | 0.224 | 0.742 | 0.156 | 0.751 | 0.115 | 2.350 | -0.109 | 2.360 | -0.027 | 2.367 | 0.095 | 2.382 | 0.0 | | | | |
| 0.765 | 0.088 | 0.772 | 0.006 | 0.780 | -0.048 | 0.787 | -0.103 | 2.396 | -0.109 | 2.411 | -0.028 | 2.424 | -0.217 | 2.441 | -0.027 | | | | |
| 0.800 | -0.158 | 0.810 | -0.076 | 0.823 | -0.008 | 0.831 | 0.074 | 2.456 | -0.203 | 2.464 | -0.026 | 2.477 | 0.055 | 2.486 | -0.026 | | | | |
| 0.846 | 0.074 | 0.857 | 0.075 | 0.868 | -0.061 | 0.870 | -0.278 | 2.501 | -0.094 | 2.513 | -0.135 | 2.524 | -0.284 | 2.533 | -0.243 | | | | |
| 0.876 | -0.441 | 0.895 | -0.114 | 0.914 | -0.222 | 0.921 | -0.113 | 2.547 | -0.298 | 2.556 | -0.379 | 2.564 | -0.243 | 2.575 | 0.029 | | | | |
| 0.933 | 0.009 | 0.940 | 0.105 | 0.953 | 0.037 | 0.963 | -0.085 | 2.582 | 0.301 | 2.598 | 0.233 | 2.609 | 0.328 | 2.620 | 0.260 | | | | |
| 0.976 | 0.011 | 0.985 | -0.097 | 0.991 | -0.260 | 1.001 | -0.056 | 2.624 | 0.002 | 2.635 | -0.270 | 2.652 | 0.083 | 2.667 | -0.311 | | | | |
| 1.014 | 0.284 | 1.029 | 0.285 | 1.044 | 0.353 | 1.053 | 0.218 | 2.677 | -0.121 | 2.684 | 0.015 | 2.698 | -0.067 | 2.713 | -0.176 | | | | |
| 1.065 | 0.028 | 1.072 | -0.244 | 1.080 | -0.379 | 1.089 | -0.488 | 2.722 | -0.054 | 2.739 | 0.001 | 2.758 | 0.014 | 2.767 | 0.218 | | | | |
| 1.097 | -0.623 | 1.104 | -0.514 | 1.110 | -0.228 | 1.119 | -0.024 | 2.777 | 0.082 | 2.784 | -0.013 | 2.800 | 0.014 | 2.817 | -0.163 | | | | |
| 1.129 | 0.194 | 1.135 | 0.494 | 1.146 | 0.712 | 1.155 | 0.631 | 2.832 | -0.054 | 2.847 | -0.245 | 2.862 | 0.081 | 2.873 | 0.027 | | | | |
| 1.165 | 0.360 | 1.178 | 0.483 | 1.186 | 0.007 | 1.193 | -0.183 | 2.888 | -0.041 | 2.907 | 0.013 | 2.919 | -0.055 | 2.930 | 0.013 | | | | |
| 1.203 | -0.346 | 1.212 | -0.304 | 1.227 | -0.263 | 1.238 | -0.085 | 2.947 | -0.042 | 2.960 | 0.026 | 2.968 | 0.284 | 2.983 | 0.461 | | | | |
| 1.246 | 0.038 | 1.253 | 0.160 | 1.269 | 0.107 | 1.278 | 0.080 | 2.992 | 0.257 | 3.000 | 0.161 | 3.009 | 0.025 | 3.017 | -0.138 | | | | |
| 1.286 | 0.040 | 1.293 | -0.001 | 1.303 | -0.082 | 1.312 | -0.163 | 3.028 | -0.098 | 3.037 | -0.003 | 3.058 | 0.037 | 3.070 | 0.145 | | | | |
| 1.323 | -0.325 | 1.333 | -0.189 | 1.338 | -0.080 | 1.352 | 0.043 | 3.083 | 0.348 | 3.092 | -0.185 | 3.104 | -0.006 | 3.113 | -0.020 | | | | |
| 1.361 | 0.139 | 1.372 | 0.276 | 1.386 | 0.304 | 1.393 | 0.168 | 3.124 | -0.197 | 3.136 | -0.470 | 3.145 | -0.280 | 3.156 | -0.008 | | | | |
| 1.399 | 0.073 | 1.405 | 0.018 | 1.412 | -0.063 | 1.420 | -0.159 | 3.166 | 0.100 | 3.173 | 0.236 | 3.183 | 0.371 | 3.202 | 0.153 | | | | |
| 1.425 | -0.213 | 1.435 | -0.376 | 1.444 | -0.240 | 1.454 | -0.172 | 3.211 | 0.180 | 3.224 | 0.286 | 3.236 | 0.002 | 3.251 | -0.352 | | | | |
| 1.461 | -0.036 | 1.472 | 0.141 | 1.482 | 0.331 | 1.491 | 0.522 | 3.272 | -0.040 | 3.292 | -0.286 | 3.300 | -0.286 | 3.313 | -0.151 | | | | |
| 1.505 | 0.399 | 1.527 | 0.467 | 1.537 | 0.372 | 1.544 | -0.185 | 3.330 | -0.260 | 3.336 | -0.057 | 3.349 | 0.160 | 3.366 | 0.024 | | | | |
| 1.554 | -0.281 | 1.565 | -0.430 | 1.573 | -0.349 | 1.586 | -0.444 | 3.383 | 0.118 | 3.392 | -0.032 | 3.402 | -0.236 | 3.413 | -0.209 | | | | |
| 1.593 | -0.226 | 1.610 | -0.145 | 1.618 | -0.063 | 1.635 | -0.022 | 3.426 | -0.183 | 3.443 | -0.292 | 3.453 | -0.211 | 3.462 | 0.102 | | | | |
| 1.642 | 0.073 | 1.650 | 0.182 | 1.671 | -0.212 | 1.676 | -0.131 | 3.470 | -0.401 | 3.487 | 0.278 | 3.506 | 0.236 | 3.519 | 0.168 | | | | |
| 1.684 | 0.005 | 1.697 | -0.049 | 1.707 | 0.005 | 1.729 | -0.022 | 3.541 | -0.051 | 3.547 | -0.187 | 3.589 | -0.106 | 3.596 | 0.424 | | | | |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 3.615 | 0.137 | 3.628 | 0.137 | 3.642 | -0.231 | 3.651 | -0.530 | 6.328 | -0.116 | 6.347 | 0.157 | 6.356 | 0.036 | 6.375 | 0.283 |
| 3.659 | -0.462 | 3.670 | -0.544 | 3.679 | 0.082 | 3.693 | 0.271 | 6.383 | -0.002 | 6.398 | -0.259 | 6.409 | -0.271 | 6.424 | -0.528 |
| 3.656 | 0.216 | 3.710 | 0.189 | 3.732 | 0.201 | 3.743 | 0.030 | 6.437 | -0.268 | 6.458 | -0.484 | 6.479 | 0.021 | 6.490 | -0.005 |
| 3.755 | -0.357 | 3.764 | -0.235 | 3.777 | -0.058 | 3.785 | 0.113 | 6.509 | -0.044 | 6.526 | -0.341 | 6.541 | 0.123 | 6.554 | 0.080 |
| 3.800 | 0.063 | 3.808 | 0.254 | 3.821 | 0.376 | 3.836 | 0.064 | 6.570 | 0.194 | 6.585 | 0.671 | 6.607 | 0.524 | 6.630 | 0.635 |
| 3.847 | 0.213 | 3.862 | -0.208 | 3.870 | -0.561 | 3.883 | -0.384 | 6.639 | 0.064 | 6.654 | -0.180 | 6.668 | -0.751 | 6.683 | -1.009 |
| 3.898 | -0.547 | 3.906 | -0.330 | 3.917 | -0.139 | 3.928 | 0.011 | 6.698 | -0.913 | 6.713 | -0.423 | 6.732 | 0.067 | 6.741 | 0.530 |
| 3.940 | 0.324 | 3.949 | 0.487 | 3.959 | 0.270 | 3.972 | 0.243 | 6.756 | 0.707 | 6.766 | 0.458 | 6.781 | 0.218 | 6.796 | -0.135 |
| 3.987 | 0.025 | 3.996 | -0.505 | 4.013 | -0.369 | 4.025 | -0.654 | 6.811 | -0.270 | 6.824 | -0.107 | 6.834 | 0.302 | 6.845 | 0.411 |
| 4.025 | -0.327 | 4.042 | -0.082 | 4.053 | -0.177 | 4.070 | -0.286 | 6.860 | 0.615 | 6.875 | 0.433 | 6.887 | -0.263 | 6.896 | -0.199 |
| 4.081 | -0.218 | 4.093 | -0.326 | 4.098 | -0.435 | 4.104 | -0.285 | 6.915 | -0.199 | 6.934 | -0.334 | 6.949 | -0.225 | 6.964 | -0.211 |
| 4.110 | -0.136 | 4.117 | 0.136 | 4.130 | 0.164 | 4.140 | 0.232 | 6.970 | 0.062 | 6.985 | 0.361 | 7.000 | 0.103 | 7.009 | -0.114 |
| 4.147 | 0.300 | 4.170 | 0.246 | 4.187 | 0.464 | 4.191 | 0.328 | 7.023 | -0.073 | 7.041 | -0.113 | 7.057 | 0.023 | 7.068 | 0.295 |
| 4.158 | 0.111 | 4.210 | 0.165 | 4.219 | 0.070 | 4.229 | -0.052 | 7.083 | 0.526 | 7.098 | 0.349 | 7.117 | 0.051 | 7.138 | 0.336 |
| 4.238 | -0.229 | 4.242 | -0.120 | 4.255 | -0.133 | 4.268 | -0.133 | 7.166 | 0.350 | 7.181 | 0.473 | 7.194 | 0.201 | 7.206 | 0.092 |
| 4.274 | 0.017 | 4.283 | 0.140 | 4.291 | 0.222 | 4.304 | 0.331 | 7.228 | -0.384 | 7.251 | -0.261 | 7.266 | -0.383 | 7.289 | 0.161 |
| 4.312 | 0.535 | 4.321 | 0.766 | 4.331 | 0.590 | 4.336 | 0.250 | 7.302 | -0.016 | 7.323 | -0.043 | 7.344 | 0.147 | 7.366 | 0.216 |
| 4.346 | -0.035 | 4.353 | -0.430 | 4.361 | -0.701 | 4.374 | -0.619 | 7.385 | 0.257 | 7.406 | 0.583 | 7.421 | 0.434 | 7.438 | 0.543 |
| 4.385 | -0.442 | 4.395 | -0.306 | 4.402 | 0.102 | 4.417 | 0.130 | 7.449 | 0.217 | 7.461 | 0.041 | 7.476 | 0.164 | 7.495 | -0.026 |
| 4.427 | 0.225 | 4.436 | 0.361 | 4.448 | -0.005 | 4.487 | -0.086 | 7.576 | -0.104 | 7.593 | 0.074 | 7.608 | -0.062 | 7.621 | -0.306 |
| 4.459 | -0.182 | 4.467 | -0.100 | 4.480 | -0.045 | 4.531 | -0.276 | 7.634 | -0.305 | 7.651 | -0.454 | 7.666 | -0.141 | 7.676 | 0.064 |
| 4.497 | -0.236 | 4.514 | -0.004 | 4.523 | -0.045 | 4.570 | 0.065 | 7.695 | 0.241 | 7.706 | 0.486 | 7.725 | 0.079 | 7.740 | 0.216 |
| 4.540 | 0.248 | 4.553 | -0.465 | 4.563 | -0.193 | 4.616 | 0.624 | 7.755 | -0.110 | 7.772 | -0.381 | 7.780 | -0.245 | 7.793 | -0.095 |
| 4.578 | 0.270 | 4.593 | 0.120 | 4.608 | 0.311 | 4.659 | -0.301 | 7.812 | -0.189 | 7.831 | 0.246 | 7.838 | 0.192 | 7.861 | 0.204 |
| 4.629 | -0.243 | 4.638 | -0.124 | 4.652 | -0.124 | 4.659 | 0.202 | 7.880 | 0.230 | 7.897 | 0.243 | 7.914 | 0.161 | 7.929 | 0.228 |
| 4.669 | -0.437 | 4.678 | -0.192 | 4.685 | 0.011 | 4.736 | 0.433 | 7.946 | 0.037 | 7.961 | 0.009 | 7.974 | -0.210 | 7.991 | -0.469 |
| 4.742 | 0.174 | 4.746 | -0.071 | 4.761 | 0.024 | 4.767 | -0.071 | 8.010 | -0.715 | 8.021 | -0.566 | 8.036 | -0.376 | 8.053 | -0.064 |
| 4.776 | -0.234 | 4.789 | -0.370 | 4.799 | -0.139 | 4.804 | 0.078 | 8.065 | 0.126 | 8.076 | 0.288 | 8.091 | 0.478 | 8.112 | 0.287 |
| 4.820 | -0.003 | 4.835 | 0.364 | 4.844 | 0.037 | 4.855 | -0.330 | 8.127 | 0.055 | 8.148 | 0.244 | 8.157 | -0.042 | 8.165 | -0.355 |
| 4.863 | -0.316 | 4.880 | -0.453 | 4.897 | -0.276 | 4.904 | -0.018 | 8.182 | -0.302 | 8.193 | 0.085 | 8.216 | -0.154 | 8.231 | -0.104 |
| 4.920 | -0.262 | 4.948 | -0.154 | 4.957 | -0.154 | 4.969 | -0.045 | 8.246 | 0.443 | 8.261 | 0.415 | 8.270 | 0.510 | 8.284 | 0.143 |
| 4.978 | 0.199 | 4.995 | -0.073 | 5.012 | 0.131 | 5.023 | 0.267 | 8.301 | -0.103 | 8.327 | 0.019 | 8.338 | 0.127 | 8.353 | 0.222 |
| 5.040 | 0.376 | 5.052 | 0.145 | 5.059 | -0.086 | 5.078 | 0.349 | 8.369 | 0.616 | 8.389 | 0.153 | 8.403 | -0.147 | 8.420 | -0.610 |
| 5.099 | 0.105 | 5.106 | 0.227 | 5.114 | 0.404 | 5.129 | 0.105 | 8.433 | -0.719 | 8.446 | -0.543 | 8.459 | -0.434 | 8.476 | -0.421 |
| 5.139 | 0.200 | 5.157 | -0.099 | 5.169 | -0.656 | 5.188 | -0.330 | 8.489 | -0.109 | 8.510 | -0.205 | 8.518 | 0.067 | 8.540 | 0.052 |
| 5.207 | -0.438 | 5.214 | 0.174 | 5.227 | 0.201 | 5.248 | 0.038 | 8.559 | 0.283 | 8.574 | 0.214 | 8.595 | 0.513 | 8.614 | 0.390 |
| 5.263 | 0.310 | 5.271 | 0.174 | 5.280 | 0.011 | 5.293 | 0.188 | 8.635 | 0.512 | 8.654 | 0.522 | 8.665 | 0.500 | 8.676 | 0.378 |
| 5.303 | 0.065 | 5.318 | 0.188 | 5.333 | 0.120 | 5.344 | -0.029 | 8.689 | 0.257 | 8.703 | 0.230 | 8.723 | 0.123 | 8.748 | 0.138 |
| 5.363 | 0.379 | 5.378 | 0.025 | 5.395 | 0.216 | 5.407 | -0.097 | 8.771 | 0.098 | 8.790 | -0.064 | 8.805 | -0.049 | 8.816 | -0.416 |
| 5.424 | -0.409 | 5.439 | -0.110 | 5.461 | -0.150 | 5.473 | 0.040 | 8.833 | -0.265 | 8.858 | -0.590 | 8.867 | -0.331 | 8.882 | -0.031 |
| 5.492 | 0.245 | 5.505 | 0.503 | 5.522 | 0.340 | 5.531 | 0.490 | 8.897 | 0.228 | 8.912 | 0.542 | 8.929 | 0.380 | 8.946 | -0.404 |
| 5.543 | 0.300 | 5.557 | 0.191 | 5.573 | 0.042 | 5.575 | 0.192 | 8.963 | 0.055 | 8.980 | -0.379 | 9.001 | -0.691 | 9.016 | -0.404 |
| 5.588 | 0.219 | 5.597 | 0.342 | 5.611 | 0.179 | 5.620 | 0.016 | 9.033 | -0.362 | 9.054 | 0.047 | 9.080 | 0.197 | 9.101 | 0.402 |
| 5.628 | -0.093 | 5.637 | -0.215 | 5.644 | -0.242 | 5.665 | -0.582 | 9.114 | 0.280 | 9.127 | 0.172 | 9.144 | 0.145 | 9.160 | -0.181 |
| 5.678 | 0.004 | 5.694 | -0.310 | 5.716 | 0.371 | 5.728 | -0.221 | 9.177 | -0.276 | 9.194 | -0.112 | 9.209 | -0.207 | 9.228 | -0.287 |
| 5.743 | 0.004 | 5.763 | -0.104 | 5.780 | -0.471 | 5.794 | -0.580 | 9.246 | -0.069 | 9.267 | 0.122 | 9.284 | 0.286 | 9.303 | 0.409 |
| 5.809 | -0.253 | 5.820 | 0.141 | 5.829 | 0.400 | 5.841 | 0.455 | 9.320 | 0.423 | 9.335 | 0.309 | 9.350 | -0.079 | 9.367 | 0.003 |
| 5.854 | 0.551 | 5.863 | 0.510 | 5.877 | 0.416 | 5.897 | -0.032 | 9.373 | -0.323 | 9.386 | -0.296 | 9.394 | -0.445 | 9.409 | -0.281 |
| 5.905 | 0.335 | 5.918 | 0.445 | 5.930 | 0.581 | 5.945 | 0.473 | 9.430 | -0.022 | 9.441 | 0.359 | 9.458 | 0.413 | 9.471 | 0.630 |
| 5.960 | 0.474 | 5.975 | -0.015 | 5.986 | -0.477 | 5.998 | -0.490 | 9.486 | 0.127 | 9.513 | 0.031 | 9.530 | -0.187 | 9.554 | 0.003 |
| 6.013 | -0.789 | 6.030 | -1.006 | 6.045 | -0.679 | 6.058 | -0.325 | 9.571 | -0.160 | 9.581 | 0.017 | 9.599 | 0.166 | 9.613 | 0.098 |
| 6.079 | -0.432 | 6.088 | -0.296 | 6.101 | -0.105 | 6.116 | -0.485 | 9.624 | 0.057 | 9.639 | -0.066 | 9.660 | 0.233 | 9.675 | 0.097 |
| 6.133 | -0.185 | 6.154 | -0.470 | 6.169 | -0.347 | 6.186 | -0.550 | 9.699 | 0.028 | 9.722 | 0.014 | 9.735 | -0.259 | 9.752 | -0.598 |
| 6.201 | -0.210 | 6.216 | -0.046 | 6.232 | 0.132 | 6.243 | 0.310 | 9.775 | -0.571 | 9.796 | -0.313 | 9.811 | -0.108 | 9.826 | -0.448 |
| 6.258 | 0.298 | 6.277 | 0.422 | 6.286 | 0.314 | 6.309 | 0.317 | 9.841 | 0.842 | 9.858 | 0.488 | 9.883 | 0.623 | 9.892 | 0.460 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9.911 | 0.460 | 9.922 | 0.364 | 9.934 | 0.459 | 9.949 | 0.364 | 13.284 | 0.125 | 13.301 | 0.138 | 13.313 | 0.138 | 13.324 | 0.205 |
| 9.958 | -0.085 | 9.968 | -0.167 | 9.986 | -0.235 | 10.007 | -0.222 | 13.343 | 0.245 | 13.358 | 0.217 | 13.373 | 0.189 | 13.383 | 0.230 |
| 10.028 | 0.009 | 10.039 | -0.059 | 10.054 | 0.009 | 10.069 | -0.182 | 13.396 | 0.202 | 13.411 | 0.229 | 13.430 | 0.282 | 13.449 | 0.241 |
| 10.085 | -0.413 | 10.103 | -0.196 | 10.119 | 0.035 | 10.134 | 0.578 | 13.466 | 0.213 | 13.477 | 0.063 | 13.488 | -0.182 | 13.507 | -0.156 |
| 10.156 | 0.388 | 10.175 | -0.428 | 10.194 | 0.251 | 10.204 | -0.089 | 13.528 | -0.265 | 13.535 | -0.170 | 13.547 | -0.076 | 13.562 | -0.158 |
| 10.213 | -0.280 | 10.230 | -0.158 | 10.251 | -0.117 | 10.264 | -0.212 | 13.573 | -0.036 | 13.586 | -0.063 | 13.609 | -0.105 | 13.626 | -0.037 |
| 10.279 | -0.497 | 10.302 | -0.482 | 10.315 | -0.346 | 10.332 | -0.128 | 13.639 | 0.044 | 13.660 | 0.111 | 13.686 | -0.110 | 13.703 | 0.014 |
| 10.349 | -0.032 | 10.364 | -0.254 | 10.392 | 0.241 | 10.405 | 0.432 | 13.715 | -0.013 | 13.736 | 0.013 | 13.747 | 0.040 | 13.768 | 0.148 |
| 10.422 | 0.650 | 10.443 | 0.556 | 10.458 | 0.652 | 10.473 | 0.815 | 13.788 | 0.093 | 13.804 | -0.084 | 13.817 | -0.085 | 13.828 | -0.167 |
| 10.489 | 0.666 | 10.502 | 0.381 | 10.523 | 0.110 | 10.536 | -0.339 | 13.841 | -0.222 | 13.854 | -0.144 | 13.866 | -0.073 | 13.881 | 0.022 |
| 10.564 | -0.433 | 10.581 | -0.228 | 10.606 | -0.499 | 10.617 | -0.295 | 13.898 | 0.198 | 13.917 | 0.144 | 13.932 | 0.089 | 13.943 | -0.034 |
| 10.626 | -0.159 | 10.640 | -0.281 | 10.651 | -0.008 | 10.658 | -0.212 | 13.970 | -0.116 | 13.979 | 0.115 | 13.994 | 0.182 | 14.009 | 0.384 |
| 10.674 | -0.401 | 10.687 | -0.251 | 10.709 | -0.182 | 10.723 | 0.009 | 14.032 | 0.385 | 14.045 | 0.303 | 14.075 | 0.412 | 14.090 | 0.264 |
| 10.738 | 0.200 | 10.762 | 0.120 | 10.772 | -0.165 | 10.783 | -0.396 | 14.107 | 0.452 | 14.123 | 0.288 | 14.138 | 0.206 | 14.153 | 0.124 |
| 10.806 | -0.340 | 10.825 | -0.082 | 10.853 | 0.111 | 10.870 | 0.288 | 14.168 | -0.067 | 14.183 | -0.176 | 14.200 | -0.176 | 14.226 | -0.177 |
| 10.888 | 0.017 | 10.898 | -0.050 | 10.917 | -0.280 | 10.934 | -0.565 | 14.249 | -0.246 | 14.268 | -0.219 | 14.289 | -0.151 | 14.304 | -0.111 |
| 10.951 | -0.714 | 10.974 | -0.577 | 10.987 | -0.331 | 11.002 | -0.067 | 14.319 | -0.057 | 14.336 | -0.017 | 14.349 | -0.045 | 14.370 | -0.100 |
| 11.017 | -0.112 | 11.030 | 0.025 | 11.059 | -0.192 | 11.072 | -0.001 | 14.379 | -0.018 | 14.391 | 0.063 | 14.408 | 0.049 | 14.417 | 0.157 |
| 11.087 | 0.352 | 11.110 | 0.489 | 11.125 | 0.217 | 11.146 | 0.067 | 14.430 | 0.320 | 14.449 | 0.346 | 14.477 | 0.427 | 14.498 | 0.331 |
| 11.161 | -0.137 | 11.176 | -0.368 | 11.195 | -0.585 | 11.213 | -0.435 | 14.511 | 0.249 | 14.528 | 0.099 | 14.547 | -0.011 | 14.562 | -0.242 |
| 11.229 | -0.326 | 11.246 | -0.027 | 11.261 | 0.245 | 11.278 | 0.246 | 14.585 | -0.273 | 14.604 | -0.380 | 14.621 | -0.258 | 14.644 | -0.272 |
| 11.267 | 0.463 | 11.315 | 0.327 | 11.319 | 0.409 | 11.336 | 0.474 | 14.674 | -0.217 | 14.702 | -0.125 | 14.717 | -0.098 | 14.729 | 0.092 |
| 11.361 | 0.300 | 11.376 | -0.053 | 11.391 | -0.271 | 11.412 | -0.474 | 14.755 | -0.018 | 14.772 | 0.091 | 14.793 | 0.049 | 14.808 | -0.128 |
| 11.429 | -0.243 | 11.457 | -0.297 | 11.472 | -0.025 | 11.487 | 0.329 | 14.825 | -0.265 | 14.849 | -0.293 | 14.872 | -0.266 | 14.897 | -0.240 |
| 11.508 | 0.410 | 11.523 | 0.247 | 11.534 | 0.003 | 11.553 | 0.193 | 14.912 | -0.295 | 14.925 | -0.200 | 14.938 | -0.241 | 14.957 | -0.201 |
| 11.572 | 0.057 | 11.587 | -0.160 | 11.606 | -0.364 | 11.623 | -0.187 | 14.976 | -0.175 | 14.997 | -0.094 | 15.015 | -0.094 | 15.029 | -0.149 |
| 11.638 | -0.214 | 11.659 | -0.364 | 11.670 | -0.445 | 11.697 | -0.336 | 15.063 | -0.055 | 15.087 | -0.015 | 15.110 | -0.066 | 15.129 | 0.024 |
| 11.719 | -0.186 | 11.729 | -0.023 | 11.746 | 0.304 | 11.767 | 0.494 | 15.142 | -0.031 | 15.159 | -0.072 | 15.178 | -0.154 | 15.187 | -0.222 |
| 11.785 | 0.481 | 11.804 | 0.304 | 11.818 | 0.046 | 11.835 | 0.005 | 15.204 | -0.114 | 15.223 | -0.060 | 15.239 | 0.075 | 15.261 | 0.047 |
| 11.859 | 0.046 | 11.874 | 0.142 | 11.884 | 0.183 | 11.895 | 0.265 | 15.284 | 0.005 | 15.308 | -0.036 | 15.329 | -0.050 | 15.346 | 0.003 |
| 11.910 | 0.061 | 11.921 | 0.048 | 11.940 | 0.143 | 11.955 | 0.062 | 15.361 | -0.011 | 15.374 | -0.106 | 15.389 | -0.120 | 15.404 | -0.284 |
| 11.970 | 0.008 | 11.978 | -0.141 | 11.986 | -0.291 | 11.993 | -0.399 | 15.431 | -0.163 | 15.453 | -0.231 | 15.474 | -0.069 | 15.493 | -0.178 |
| 12.001 | -0.426 | 12.010 | -0.249 | 12.029 | -0.358 | 12.037 | -0.289 | 15.529 | -0.180 | 15.552 | -0.248 | 15.578 | -0.181 | 15.603 | -0.128 |
| 12.048 | -0.167 | 12.069 | -0.160 | 12.084 | 0.093 | 12.093 | 0.134 | 15.623 | -0.033 | 15.640 | 0.048 | 15.657 | 0.224 | 15.678 | 0.210 |
| 12.105 | 0.188 | 12.116 | 0.134 | 12.133 | 0.135 | 12.140 | 0.040 | 15.708 | 0.114 | 15.731 | 0.058 | 15.746 | -0.051 | 15.765 | 0.044 |
| 12.150 | -0.055 | 12.161 | -0.055 | 12.172 | -0.055 | 12.189 | 0.041 | 15.789 | 0.084 | 15.822 | 0.083 | 15.852 | 0.082 | 15.867 | -0.028 |
| 12.201 | -0.040 | 12.206 | -0.081 | 12.225 | -0.053 | 12.235 | -0.148 | 15.890 | 0.080 | 15.910 | -0.002 | 15.944 | -0.044 | 15.974 | -0.004 |
| 12.250 | -0.121 | 12.267 | -0.012 | 12.286 | -0.011 | 12.297 | 0.084 | 15.997 | -0.018 | 16.008 | 0.131 | 16.039 | 0.130 | 16.056 | 0.184 |
| 12.316 | 0.125 | 12.323 | 0.098 | 12.340 | 0.152 | 12.356 | 0.098 | 16.078 | 0.074 | 16.110 | -0.009 | 16.139 | 0.058 | 16.167 | 0.098 |
| 12.373 | -0.120 | 12.388 | -0.079 | 12.399 | -0.174 | 12.412 | -0.255 | 16.195 | 0.125 | 16.220 | 0.097 | 16.250 | 0.041 | 16.277 | 0.095 |
| 12.424 | -0.377 | 12.437 | -0.309 | 12.454 | -0.241 | 12.461 | -0.132 | 16.303 | 0.121 | 16.320 | 0.107 | 16.341 | 0.147 | 16.365 | 0.147 |
| 12.476 | -0.241 | 12.497 | -0.214 | 12.514 | -0.050 | 12.524 | 0.099 | 16.388 | 0.064 | 16.416 | 0.091 | 16.431 | 0.036 | 16.450 | -0.019 |
| 12.537 | -0.009 | 12.552 | 0.032 | 12.569 | 0.018 | 12.580 | -0.009 | 16.473 | -0.019 | 16.490 | -0.183 | 16.516 | -0.075 | 16.541 | -0.103 |
| 12.588 | -0.036 | 12.595 | -0.131 | 12.605 | -0.213 | 12.614 | -0.294 | 16.577 | -0.144 | 16.605 | -0.267 | 16.631 | -0.227 | 16.660 | -0.242 |
| 12.626 | -0.430 | 12.633 | -0.376 | 12.635 | -0.226 | 12.648 | -0.185 | 16.673 | -0.269 | 16.696 | -0.270 | 16.713 | -0.175 | 16.728 | -0.080 |
| 12.660 | -0.171 | 12.678 | -0.117 | 12.686 | 0.005 | 12.693 | 0.168 | 16.743 | -0.053 | 16.760 | -0.040 | 16.773 | 0.0 | 16.790 | 0.082 |
| 12.709 | 0.304 | 12.724 | 0.181 | 12.739 | 0.208 | 12.754 | 0.126 | 16.811 | -0.001 | 16.833 | 0.094 | 16.858 | 0.066 | 16.877 | 0.025 |
| 12.784 | 0.207 | 12.799 | 0.153 | 12.814 | 0.139 | 12.831 | 0.138 | 16.896 | -0.071 | 16.918 | -0.180 | 16.947 | -0.194 | 16.966 | -0.113 |
| 12.846 | -0.025 | 12.860 | -0.284 | 12.875 | -0.393 | 12.894 | -0.366 | 16.977 | -0.032 | 16.992 | 0.022 | 17.007 | 0.103 | 17.035 | 0.157 |
| 12.901 | -0.366 | 12.916 | -0.407 | 12.931 | -0.407 | 12.943 | -0.475 | 17.058 | -0.032 | 17.081 | 0.020 | 17.098 | 0.101 | 17.115 | 0.182 |
| 13.011 | -0.164 | 13.020 | 0.013 | 13.033 | 0.149 | 13.043 | 0.284 | 17.135 | 0.209 | 17.152 | 0.235 | 17.168 | 0.126 | 17.188 | 0.071 |
| 13.054 | 0.393 | 13.073 | 0.297 | 13.086 | 0.202 | 13.101 | 0.133 | 17.209 | 0.070 | 17.234 | 0.151 | 17.258 | 0.096 | 17.273 | 0.068 |
| 13.111 | 0.241 | 13.113 | 0.336 | 13.135 | 0.308 | 13.150 | 0.280 | 17.294 | 0.094 | 17.322 | 0.121 | 17.349 | 0.215 | 17.371 | 0.269 |
| 13.173 | 0.334 | 13.192 | 0.292 | 13.209 | 0.251 | 13.215 | 0.319 | 17.394 | 0.145 | 17.413 | 0.145 | 17.428 | 0.035 | 17.462 | 0.034 |
| 13.233 | 0.386 | 13.247 | 0.290 | 13.256 | 0.167 | 13.271 | 0.235 | 17.477 | 0.007 | 17.498 | -0.035 | 17.515 | -0.008 | 17.530 | 0.059 |
| | | | | | | | | 17.551 | -0.009 | 17.564 | -0.050 | 17.583 | 0.031 | 17.604 | -0.023 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 17.624 | -0.051 | 17.647 | -0.051 | 17.668 | -0.052 | 17.685 | -0.038 | 21.742 | -0.125 | 21.757 | -0.085 | 21.764 | -0.112 | 21.779 | -0.112 |
| 17.702 | -0.011 | 17.717 | -0.080 | 17.732 | -0.093 | 17.755 | -0.162 | 21.795 | -0.112 | 21.812 | -0.140 | 21.834 | -0.208 | 21.853 | -0.303 |
| 17.777 | -0.149 | 17.794 | -0.149 | 17.808 | -0.149 | 17.830 | -0.136 | 21.883 | -0.230 | 21.900 | -0.263 | 21.927 | -0.263 | 21.947 | -0.236 |
| 17.840 | -0.177 | 17.855 | -0.245 | 17.874 | -0.354 | 17.891 | -0.341 | 21.967 | -0.195 | 21.997 | -0.168 | 22.023 | -0.141 | 22.038 | -0.074 |
| 17.913 | -0.341 | 17.928 | -0.260 | 17.943 | -0.069 | 17.957 | -0.001 | 22.064 | -0.033 | 22.091 | -0.006 | 22.117 | -0.006 | 22.140 | -0.088 |
| 17.968 | -0.108 | 17.991 | -0.176 | 18.010 | -0.190 | 18.026 | -0.244 | 22.163 | -0.007 | 22.185 | -0.088 | 22.210 | -0.102 | 22.238 | -0.143 |
| 18.042 | -0.122 | 18.057 | -0.136 | 18.077 | -0.122 | 18.094 | -0.109 | 22.263 | -0.184 | 22.283 | -0.184 | 22.310 | -0.157 | 22.329 | -0.144 |
| 18.117 | -0.109 | 18.134 | -0.027 | 18.153 | -0.027 | 18.178 | -0.001 | 22.351 | -0.144 | 22.368 | -0.131 | 22.384 | -0.131 | 22.397 | -0.090 |
| 18.195 | -0.082 | 18.213 | -0.063 | 18.230 | -0.042 | 18.255 | -0.026 | 22.406 | -0.076 | 22.429 | -0.022 | 22.444 | -0.005 | 22.465 | -0.005 |
| 18.274 | -0.015 | 18.296 | -0.015 | 18.330 | -0.012 | 18.353 | -0.066 | 22.485 | -0.069 | 22.506 | -0.049 | 22.523 | -0.049 | 22.540 | -0.035 |
| 18.366 | -0.011 | 18.389 | -0.017 | 18.410 | -0.044 | 18.430 | -0.058 | 22.557 | -0.022 | 22.576 | -0.008 | 22.593 | -0.046 | 22.612 | -0.100 |
| 18.449 | -0.072 | 18.468 | -0.018 | 18.489 | -0.032 | 18.502 | -0.032 | 22.625 | -0.128 | 22.642 | -0.168 | 22.661 | -0.128 | 22.678 | -0.128 |
| 18.521 | -0.019 | 18.542 | -0.008 | 18.561 | -0.103 | 18.578 | -0.157 | 22.714 | -0.128 | 22.731 | -0.155 | 22.752 | -0.168 | 22.771 | -0.155 |
| 18.598 | -0.211 | 18.617 | -0.306 | 18.644 | -0.360 | 18.670 | -0.291 | 22.799 | -0.100 | 22.816 | -0.046 | 22.844 | -0.073 | 22.865 | -0.086 |
| 18.685 | -0.209 | 18.700 | -0.141 | 18.721 | -0.100 | 18.744 | -0.155 | 22.897 | -0.099 | 22.916 | -0.126 | 22.929 | -0.154 | 22.950 | -0.235 |
| 18.768 | -0.087 | 18.787 | -0.046 | 18.810 | -0.005 | 18.827 | -0.032 | 22.971 | -0.262 | 23.001 | -0.207 | 23.027 | -0.207 | 23.057 | -0.152 |
| 18.851 | -0.059 | 18.880 | -0.019 | 18.901 | -0.049 | 18.919 | -0.131 | 23.078 | -0.071 | 23.103 | -0.016 | 23.137 | -0.043 | 23.158 | -0.043 |
| 18.938 | -0.172 | 18.959 | -0.063 | 18.980 | -0.117 | 18.995 | -0.172 | 23.186 | -0.071 | 23.312 | -0.126 | 23.329 | -0.071 | 23.350 | -0.004 |
| 19.014 | -0.213 | 19.033 | -0.226 | 19.057 | -0.281 | 19.072 | -0.215 | 23.371 | -0.037 | 23.393 | -0.064 | 23.410 | -0.050 | 23.431 | -0.118 |
| 19.093 | -0.172 | 19.114 | -0.063 | 19.137 | -0.077 | 19.159 | -0.090 | 23.446 | -0.145 | 23.460 | -0.159 | 23.478 | -0.172 | 23.494 | -0.172 |
| 19.176 | -0.006 | 19.199 | -0.047 | 19.220 | -0.047 | 19.242 | -0.075 | 23.507 | -0.145 | 23.526 | -0.185 | 23.539 | -0.185 | 23.550 | -0.185 |
| 19.263 | -0.021 | 19.272 | -0.034 | 19.293 | -0.101 | 19.314 | -0.033 | 23.569 | -0.171 | 23.586 | -0.185 | 23.611 | -0.197 | 23.631 | -0.265 |
| 19.333 | -0.005 | 19.352 | -0.022 | 19.380 | -0.063 | 19.403 | -0.004 | 23.646 | -0.319 | 23.665 | -0.236 | 23.684 | -0.236 | 23.699 | -0.181 |
| 19.418 | -0.113 | 19.440 | -0.099 | 19.465 | -0.071 | 19.471 | -0.085 | 23.714 | -0.180 | 23.726 | -0.126 | 23.741 | -0.166 | 23.758 | -0.192 |
| 19.499 | -0.011 | 19.520 | -0.002 | 19.537 | -0.080 | 19.561 | -0.039 | 23.780 | -0.192 | 23.801 | -0.137 | 23.818 | -0.109 | 23.848 | -0.108 |
| 19.582 | -0.107 | 19.610 | -0.176 | 19.635 | -0.230 | 19.669 | -0.217 | 23.877 | -0.134 | 23.915 | -0.133 | 23.937 | -0.105 | 23.954 | -0.036 |
| 19.686 | -0.176 | 19.710 | -0.176 | 19.733 | -0.163 | 19.758 | -0.095 | 23.982 | -0.022 | 24.013 | -0.008 | 24.037 | -0.035 | 24.058 | -0.021 |
| 19.778 | -0.055 | 19.810 | -0.0 | 19.835 | -0.055 | 19.852 | -0.110 | 24.069 | -0.021 | 24.077 | -0.006 | 24.100 | -0.062 | 24.115 | -0.021 |
| 19.871 | -0.083 | 19.897 | -0.056 | 19.912 | -0.137 | 19.937 | -0.110 | 24.130 | -0.021 | 24.149 | -0.021 | 24.171 | -0.020 | 24.183 | -0.020 |
| 19.961 | -0.083 | 19.988 | -0.041 | 20.011 | -0.0 | 20.028 | -0.014 | 24.196 | -0.020 | 24.211 | -0.006 | 24.228 | -0.007 | 24.243 | -0.030 |
| 20.043 | -0.015 | 20.063 | -0.015 | 20.080 | -0.029 | 20.097 | -0.016 | 24.262 | -0.076 | 24.279 | -0.117 | 24.286 | -0.117 | 24.303 | -0.130 |
| 20.114 | -0.065 | 20.135 | -0.010 | 20.156 | -0.045 | 20.179 | -0.005 | 24.317 | -0.171 | 24.339 | -0.171 | 24.347 | -0.199 | 24.364 | -0.199 |
| 20.194 | -0.046 | 20.205 | -0.114 | 20.218 | -0.087 | 20.245 | -0.074 | 24.377 | -0.226 | 24.394 | -0.172 | 24.424 | -0.144 | 24.445 | -0.225 |
| 20.258 | -0.007 | 20.267 | -0.034 | 20.279 | -0.048 | 20.298 | -0.021 | 24.460 | -0.239 | 24.471 | -0.266 | 24.485 | -0.306 | 24.498 | -0.306 |
| 20.309 | -0.062 | 20.328 | -0.063 | 20.339 | -0.063 | 20.354 | -0.036 | 24.511 | -0.279 | 24.534 | -0.224 | 24.549 | -0.156 | 24.587 | -0.128 |
| 20.367 | -0.037 | 20.382 | -0.031 | 20.399 | -0.016 | 20.415 | -0.016 | 24.609 | -0.127 | 24.639 | -0.127 | 24.662 | -0.086 | 24.681 | -0.031 |
| 20.422 | -0.015 | 20.439 | -0.015 | 20.449 | -0.014 | 20.458 | -0.014 | 24.709 | -0.017 | 24.736 | -0.003 | 24.762 | -0.002 | 24.785 | -0.066 |
| 20.471 | -0.040 | 20.492 | -0.080 | 20.503 | -0.107 | 20.522 | -0.093 | 24.809 | -0.093 | 24.838 | -0.066 | 24.864 | -0.065 | 24.885 | -0.093 |
| 20.533 | -0.079 | 20.549 | -0.092 | 20.556 | -0.064 | 20.566 | -0.050 | 24.902 | -0.160 | 24.919 | -0.215 | 24.936 | -0.201 | 24.951 | -0.174 |
| 20.579 | -0.005 | 20.594 | -0.022 | 20.609 | -0.035 | 20.624 | -0.020 | 24.968 | -0.133 | 24.989 | -0.132 | 25.017 | -0.159 | 25.040 | -0.186 |
| 20.647 | -0.021 | 20.668 | -0.104 | 20.694 | -0.091 | 20.707 | -0.065 | 25.062 | -0.145 | 25.092 | -0.159 | 25.117 | -0.172 | 25.145 | -0.158 |
| 20.722 | -0.038 | 20.743 | -0.029 | 20.768 | -0.029 | 20.783 | -0.012 | 25.172 | -0.131 | 25.193 | -0.117 | 25.215 | -0.062 | 25.247 | -0.075 |
| 20.803 | -0.001 | 20.820 | -0.040 | 20.836 | -0.028 | 20.858 | -0.014 | 25.268 | -0.102 | 25.293 | -0.115 | 25.313 | -0.088 | 25.353 | -0.006 |
| 20.879 | -0.0 | 20.896 | -0.0 | 20.903 | -0.054 | 20.920 | -0.027 | 25.385 | -0.005 | 25.412 | -0.018 | 25.434 | -0.059 | 25.459 | -0.045 |
| 20.939 | -0.041 | 20.962 | -0.041 | 20.977 | -0.014 | 20.988 | -0.028 | 25.485 | -0.065 | 25.510 | -0.092 | 25.544 | -0.120 | 25.578 | -0.148 |
| 21.009 | -0.028 | 21.017 | -0.082 | 21.030 | -0.082 | 21.049 | -0.110 | 25.606 | -0.175 | 25.636 | -0.189 | 25.670 | -0.120 | 25.695 | -0.038 |
| 21.064 | -0.124 | 21.085 | -0.137 | 21.102 | -0.083 | 21.117 | -0.056 | 25.715 | -0.038 | 25.738 | -0.052 | 25.761 | -0.038 | 25.782 | -0.051 |
| 21.132 | -0.002 | 21.153 | -0.083 | 21.179 | -0.042 | 21.196 | -0.097 | 25.802 | -0.038 | 25.821 | -0.010 | 25.842 | -0.010 | 25.866 | -0.023 |
| 21.211 | -0.151 | 21.224 | -0.205 | 21.238 | -0.192 | 21.253 | -0.232 | 25.885 | -0.045 | 25.902 | -0.113 | 25.934 | -0.140 | 25.950 | -0.086 |
| 21.268 | -0.232 | 21.287 | -0.273 | 21.302 | -0.218 | 21.319 | -0.164 | 25.970 | -0.059 | 25.987 | -0.032 | 26.004 | -0.046 | 26.021 | -0.073 |
| 21.336 | -0.177 | 21.358 | -0.218 | 21.374 | -0.190 | 21.392 | -0.190 | 26.051 | -0.045 | 26.074 | -0.045 | 26.084 | -0.031 | 26.104 | -0.018 |
| 21.408 | -0.190 | 21.421 | -0.176 | 21.438 | -0.149 | 21.455 | -0.135 | 26.123 | -0.018 | 26.144 | -0.004 | 26.170 | -0.010 | 26.189 | -0.031 |
| 21.472 | -0.081 | 21.489 | -0.081 | 21.506 | -0.053 | 21.521 | -0.026 | 26.203 | -0.024 | 26.218 | -0.024 | 26.235 | -0.038 | 26.252 | -0.079 |
| 21.538 | -0.033 | 21.553 | -0.066 | 21.570 | -0.053 | 21.591 | -0.002 | 26.272 | -0.093 | 26.293 | -0.079 | 26.331 | -0.093 | 26.351 | -0.093 |
| 21.604 | -0.093 | 21.623 | -0.066 | 21.638 | -0.079 | 21.657 | -0.002 | 26.350 | -0.080 | 26.365 | -0.080 | 26.386 | -0.053 | 26.410 | -0.026 |
| 21.674 | -0.025 | 21.693 | -0.016 | 21.711 | -0.057 | 21.728 | -0.057 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 26.438 | C.040 | 26.461 | 0.014 | 26.482 | 0.028 | 26.499 | 0.002 | 30.941 | 0.020 | 30.960 | -0.007 | 30.975 | -0.035 | 30.990 | 0.006 |
| 26.520 | 0.043 | 26.542 | 0.071 | 26.565 | 0.072 | 26.584 | 0.100 | 30.999 | -0.063 | 31.009 | -0.131 | 31.022 | -0.090 | 31.030 | -0.131 |
| 26.610 | 0.101 | 26.635 | 0.101 | 26.671 | 0.048 | 26.681 | 0.022 | 31.047 | -0.173 | 31.056 | -0.091 | 31.075 | -0.092 | 31.088 | -0.106 |
| 26.720 | 0.050 | 26.750 | 0.051 | 26.778 | -0.002 | 26.810 | -0.029 | 31.107 | -0.065 | 31.122 | -0.107 | 31.139 | -0.080 | 31.158 | -0.067 |
| 26.837 | -0.028 | 26.873 | -0.028 | 26.897 | -0.014 | 26.918 | -0.054 | 31.173 | 0.014 | 31.190 | -0.068 | 31.209 | -0.068 | 31.224 | -0.177 |
| 26.952 | -0.054 | 26.969 | -0.053 | 26.984 | -0.053 | 27.005 | -0.039 | 31.241 | -0.082 | 31.256 | -0.164 | 31.269 | -0.015 | 31.286 | -0.016 |
| 27.026 | -0.039 | 27.041 | -0.079 | 27.060 | -0.120 | 27.082 | -0.174 | 31.298 | -0.024 | 31.317 | 0.037 | 31.326 | 0.037 | 31.347 | -0.019 |
| 27.118 | -0.160 | 27.148 | -0.118 | 27.167 | -0.145 | 27.186 | -0.131 | 31.356 | -0.114 | 31.373 | -0.101 | 31.388 | -0.116 | 31.401 | -0.062 |
| 27.209 | -0.131 | 27.222 | -0.131 | 27.248 | -0.104 | 27.267 | -0.159 | 31.415 | -0.049 | 31.437 | -0.050 | 31.451 | -0.023 | 31.462 | -0.051 |
| 27.284 | -0.132 | 27.313 | -0.133 | 27.345 | -0.120 | 27.360 | -0.107 | 31.477 | -0.092 | 31.492 | -0.052 | 31.505 | 0.002 | 31.513 | 0.029 |
| 27.373 | -0.094 | 27.390 | -0.067 | 27.407 | -0.068 | 27.426 | -0.041 | 31.526 | -0.028 | 31.536 | 0.069 | 31.553 | 0.068 | 31.571 | 0.013 |
| 27.450 | -0.069 | 27.467 | -0.083 | 27.486 | -0.083 | 27.505 | -0.070 | 31.583 | 0.012 | 31.602 | 0.011 | 31.613 | -0.030 | 31.628 | 0.010 |
| 27.518 | -0.030 | 27.533 | -0.030 | 27.550 | 0.010 | 27.573 | -0.099 | 31.645 | 0.023 | 31.664 | 0.077 | 31.687 | 0.008 | 31.711 | 0.075 |
| 27.592 | -0.086 | 27.616 | -0.073 | 27.633 | -0.033 | 27.654 | -0.033 | 31.732 | 0.007 | 31.747 | 0.088 | 31.768 | 0.046 | 31.790 | 0.100 |
| 27.675 | -0.034 | 27.690 | -0.048 | 27.707 | -0.062 | 27.730 | -0.049 | 31.811 | 0.072 | 31.822 | 0.031 | 31.839 | 0.057 | 31.855 | 0.002 |
| 27.745 | -0.008 | 27.762 | -0.005 | 27.784 | 0.018 | 27.817 | 0.017 | 31.877 | 0.002 | 31.892 | 0.015 | 31.913 | 0.096 | 31.934 | 0.068 |
| 27.841 | C.017 | 27.858 | 0.036 | 27.881 | 0.043 | 27.903 | 0.069 | 31.949 | 0.067 | 31.960 | 0.067 | 31.979 | 0.066 | 31.989 | 0.039 |
| 27.926 | 0.123 | 27.956 | 0.136 | 27.983 | 0.176 | 28.009 | 0.162 | 31.998 | 0.066 | 32.019 | 0.051 | 32.036 | 0.105 | 32.049 | 0.118 |
| 28.024 | 0.121 | 28.053 | 0.081 | 28.075 | 0.081 | 28.100 | 0.082 | 32.070 | 0.145 | 32.085 | 0.090 | 32.094 | 0.049 | 32.108 | 0.062 |
| 28.119 | 0.082 | 28.143 | 0.082 | 28.154 | 0.082 | 28.173 | 0.083 | 32.128 | -0.006 | 32.141 | 0.061 | 32.160 | 0.075 | 32.179 | 0.074 |
| 28.192 | 0.083 | 28.207 | 0.083 | 28.236 | 0.084 | 28.249 | 0.070 | 32.192 | 0.115 | 32.206 | 0.033 | 32.223 | 0.100 | 32.242 | 0.045 |
| 28.266 | 0.098 | 28.279 | 0.125 | 28.298 | 0.153 | 28.315 | 0.153 | 32.260 | 0.086 | 32.274 | 0.140 | 32.285 | 0.139 | 32.306 | 0.152 |
| 28.330 | 0.153 | 28.351 | 0.126 | 28.370 | 0.100 | 28.387 | 0.073 | 32.323 | 0.084 | 32.336 | 0.097 | 32.347 | 0.056 | 32.368 | 0.056 |
| 28.409 | 0.005 | 28.432 | 0.033 | 28.455 | 0.033 | 28.492 | 0.033 | 32.385 | 0.055 | 32.404 | 0.055 | 32.419 | 0.095 | 32.434 | 0.081 |
| 28.513 | C.032 | 28.538 | 0.032 | 28.553 | 0.032 | 28.568 | 0.032 | 32.444 | 0.027 | 32.478 | 0.039 | 32.496 | -0.029 | 32.530 | 0.011 |
| 28.583 | 0.046 | 28.600 | 0.100 | 28.626 | 0.100 | 28.653 | 0.100 | 32.555 | 0.010 | 32.579 | 0.004 | 32.604 | -0.059 | 32.623 | -0.032 |
| 28.662 | 0.060 | 28.687 | 0.046 | 28.706 | 0.046 | 28.726 | 0.032 | 32.644 | -0.033 | 32.661 | -0.033 | 32.680 | -0.075 | 32.698 | -0.102 |
| 28.749 | -0.022 | 28.770 | -0.022 | 28.783 | -0.049 | 28.804 | -0.076 | 32.715 | -0.143 | 32.734 | -0.171 | 32.744 | -0.144 | 32.751 | -0.131 |
| 28.827 | -0.076 | 28.853 | -0.077 | 28.879 | -0.064 | 28.893 | -0.132 | 32.761 | -0.131 | 32.774 | -0.131 | 32.787 | -0.118 | 32.806 | -0.078 |
| 28.910 | -0.133 | 28.940 | -0.133 | 28.976 | -0.134 | 29.002 | -0.121 | 32.827 | -0.119 | 32.844 | -0.148 | 32.925 | -0.107 | 32.942 | -0.094 |
| 29.021 | -0.176 | 29.049 | -0.150 | 29.066 | -0.123 | 29.091 | -0.124 | 32.889 | -0.148 | 32.906 | -0.189 | 33.006 | -0.203 | 33.031 | -0.231 |
| 29.113 | -0.138 | 29.140 | -0.166 | 29.178 | -0.180 | 29.198 | -0.154 | 32.970 | -0.135 | 32.991 | -0.231 | 33.085 | -0.204 | 33.114 | -0.218 |
| 29.217 | -0.113 | 29.242 | -0.114 | 29.280 | -0.128 | 29.310 | -0.074 | 33.048 | -0.176 | 33.067 | -0.204 | 33.159 | -0.164 | 33.174 | -0.096 |
| 29.346 | -0.088 | 29.374 | -0.143 | 29.397 | -0.103 | 29.419 | -0.103 | 33.127 | -0.177 | 33.140 | -0.204 | 33.231 | -0.096 | 33.244 | -0.083 |
| 29.444 | -0.090 | 29.466 | -0.090 | 29.491 | -0.077 | 29.517 | -0.050 | 33.187 | -0.055 | 33.212 | -0.082 | 33.287 | -0.178 | 33.306 | -0.137 |
| 29.551 | -0.051 | 29.580 | -0.051 | 29.606 | -0.052 | 29.631 | -0.052 | 33.259 | -0.137 | 33.272 | -0.151 | 33.327 | -0.122 | 33.346 | -0.149 |
| 29.652 | C.015 | 29.678 | 0.028 | 29.706 | 0.013 | 29.729 | -0.028 | 33.327 | -0.110 | 33.350 | -0.109 | 33.369 | -0.067 | 33.461 | -0.039 |
| 29.746 | -0.029 | 29.759 | -0.124 | 29.778 | -0.084 | 29.799 | -0.031 | 33.410 | -0.095 | 33.423 | -0.067 | 33.442 | -0.067 | 33.461 | -0.039 |
| 29.844 | -0.005 | 29.850 | -0.022 | 29.867 | -0.062 | 29.884 | 0.062 | 33.480 | -0.066 | 33.497 | -0.093 | 33.516 | -0.093 | 33.529 | -0.065 |
| 29.906 | 0.061 | 29.927 | 0.047 | 29.940 | 0.046 | 29.957 | 0.019 | 33.550 | -0.037 | 33.567 | -0.010 | 33.582 | -0.044 | 33.597 | 0.017 |
| 29.972 | C.059 | 29.991 | 0.045 | 30.008 | 0.044 | 30.027 | 0.003 | 33.610 | -0.037 | 33.627 | -0.009 | 33.648 | -0.009 | 33.665 | -0.009 |
| 30.048 | 0.016 | 30.069 | 0.042 | 30.086 | 0.096 | 30.106 | 0.109 | 33.688 | 0.046 | 33.710 | 0.087 | 33.731 | 0.048 | 33.746 | 0.049 |
| 30.123 | C.095 | 30.144 | 0.094 | 30.156 | 0.066 | 30.171 | 0.052 | 33.769 | 0.037 | 33.784 | 0.038 | 33.801 | 0.039 | 33.816 | 0.108 |
| 30.191 | 0.106 | 30.207 | 0.092 | 30.223 | 0.105 | 30.244 | 0.118 | 33.837 | 0.082 | 33.852 | 0.083 | 33.869 | 0.057 | 33.878 | 0.044 |
| 30.254 | C.118 | 30.265 | 0.104 | 30.274 | 0.103 | 30.288 | 0.089 | 33.891 | 0.045 | 33.908 | 0.074 | 33.924 | 0.102 | 33.939 | 0.130 |
| 30.303 | C.089 | 30.310 | 0.088 | 30.322 | 0.102 | 30.329 | 0.129 | 33.950 | 0.172 | 33.959 | 0.118 | 33.976 | 0.146 | 33.988 | 0.133 |
| 30.342 | 0.142 | 30.352 | 0.088 | 30.359 | 0.114 | 30.371 | 0.100 | 34.003 | 0.148 | 34.008 | 0.122 | 34.041 | 0.164 | 34.052 | 0.192 |
| 30.386 | 0.113 | 30.405 | 0.099 | 30.420 | 0.112 | 30.433 | 0.112 | 34.071 | 0.166 | 34.088 | 0.154 | 34.097 | 0.154 | 34.109 | 0.169 |
| 30.442 | C.138 | 30.456 | 0.138 | 30.473 | 0.151 | 30.492 | 0.137 | 34.120 | 0.156 | 34.137 | 0.157 | 34.158 | 0.158 | 34.175 | 0.160 |
| 30.503 | 0.137 | 30.520 | 0.137 | 30.527 | 0.164 | 30.546 | 0.123 | 34.184 | 0.160 | 34.194 | 0.161 | 34.207 | 0.162 | 34.218 | 0.135 |
| 30.563 | C.109 | 30.582 | 0.122 | 30.594 | 0.095 | 30.601 | 0.136 | 34.233 | 0.136 | 34.244 | 0.096 | 34.261 | 0.043 | 34.286 | 0.045 |
| 30.631 | 0.108 | 30.652 | 0.094 | 30.660 | 0.094 | 30.673 | 0.107 | 34.305 | 0.073 | 34.322 | 0.088 | 34.345 | 0.062 | 34.365 | 0.105 |
| 30.690 | 0.107 | 30.703 | 0.093 | 30.728 | 0.106 | 30.750 | 0.106 | 34.384 | 0.092 | 34.405 | 0.094 | 34.422 | 0.095 | 34.443 | 0.069 |
| 30.767 | C.078 | 30.784 | 0.092 | 30.809 | 0.023 | 30.812 | 0.037 | 34.460 | 0.084 | 34.482 | 0.044 | 34.507 | 0.100 | 34.526 | 0.088 |
| 30.828 | -0.004 | 30.841 | -0.018 | 30.850 | -0.005 | 30.871 | -0.019 | 34.547 | 0.075 | 34.564 | 0.075 | 34.584 | 0.049 | 34.607 | 0.009 |
| 30.884 | -C.019 | 30.899 | -0.033 | 30.914 | -0.006 | 30.924 | -0.020 | 34.626 | 0.010 | 34.654 | 0.011 | 34.677 | -0.016 | 34.690 | 0.012 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 34.707 | C.026 | 34.722 | -0.041 | 34.743 | 0.0 | 34.760 | -0.054 |
| 34.777 | -C.053 | 34.798 | -0.052 | 34.822 | -0.038 | 34.850 | -0.023 |
| 34.873 | -C.050 | 34.896 | -0.117 | 34.909 | -0.062 | 34.932 | -0.062 |
| 34.952 | -C.034 | 34.986 | -0.020 | 35.009 | -0.087 | 35.024 | -0.114 |
| 35.047 | -C.168 | 35.064 | -0.127 | 35.075 | -0.100 | 35.098 | -0.167 |
| 35.117 | -C.180 | 35.132 | -0.180 | 35.160 | -0.180 | 35.177 | -0.166 |
| 35.194 | -C.111 | 35.217 | -0.165 | 35.232 | -0.219 | 35.247 | -0.206 |
| 35.264 | -C.206 | 35.283 | -0.207 | 35.302 | -0.139 | 35.319 | -0.153 |
| 35.336 | -C.127 | 35.364 | -0.114 | 35.379 | -0.128 | 35.398 | -0.210 |
| 35.415 | -C.156 | 35.438 | -0.157 | 35.460 | -0.184 | 35.475 | -0.130 |
| 35.490 | -C.076 | 35.507 | -0.104 | 35.523 | -0.132 | 35.538 | -0.050 |
| 35.555 | -C.078 | 35.574 | -0.064 | 35.594 | -0.065 | 35.626 | -0.106 |
| 35.643 | -C.051 | 35.664 | -0.025 | 35.687 | -0.052 | 35.702 | 0.016 |
| 35.728 | -0.052 | 35.749 | -0.066 | 35.766 | -0.052 | 35.783 | -0.037 |
| 35.802 | -0.023 | 35.823 | 0.018 | 35.842 | 0.073 | 35.864 | 0.033 |
| 35.885 | C.047 | 35.906 | 0.089 | 35.928 | 0.103 | 35.949 | 0.103 |
| 35.962 | 0.131 | 35.981 | 0.091 | 36.004 | 0.064 | 36.023 | 0.051 |
| 36.045 | C.051 | 36.061 | 0.079 | 36.079 | 0.093 | 36.096 | 0.121 |
| 36.113 | C.189 | 36.134 | 0.176 | 36.157 | 0.190 | 36.168 | 0.245 |
| 36.187 | C.232 | 36.200 | 0.259 | 36.219 | 0.205 | 36.240 | 0.165 |
| 36.261 | C.179 | 36.285 | 0.193 | 36.300 | 0.179 | 36.323 | 0.261 |
| 36.344 | C.194 | 36.363 | 0.248 | 36.378 | 0.208 | 36.400 | 0.208 |
| 36.423 | C.208 | 36.438 | 0.235 | 36.457 | 0.236 | 36.472 | 0.195 |
| 36.489 | C.222 | 36.506 | 0.182 | 36.519 | 0.141 | 36.532 | 0.182 |
| 36.544 | C.169 | 36.570 | 0.142 | | | | |

2634 POINTS 38.836 SECONDS

RESAMPLED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.6571 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | 0.035 | 0.020 | -0.005 | 0.030 | -0.046 | 0.044 | -0.045 | 2.208 | -0.319 | 2.222 | -0.400 | 2.240 | -0.257 | 2.248 | -0.112 | 2.257 | 0.605 |
| 0.055 | -0.106 | 0.069 | -0.085 | 0.083 | -0.064 | 0.093 | -0.043 | 2.261 | 0.093 | 2.271 | 0.338 | 2.279 | 0.523 | 2.287 | 0.605 | 2.299 | 0.014 |
| 0.107 | -0.043 | 0.117 | -0.083 | 0.131 | -0.082 | 0.139 | -0.082 | 2.297 | 0.503 | 2.309 | 0.402 | 2.321 | -0.433 | 2.329 | -0.535 | 2.342 | -0.014 |
| 0.149 | -0.061 | 0.162 | 0.001 | 0.178 | 0.001 | 0.188 | 0.002 | 2.343 | -0.271 | 2.352 | -0.352 | 2.366 | -0.433 | 2.382 | -0.535 | 2.394 | -0.014 |
| 0.200 | -0.018 | 0.212 | -0.059 | 0.234 | -0.058 | 0.250 | -0.057 | 2.400 | 0.097 | 2.416 | -0.594 | 2.422 | -0.431 | 2.434 | -0.246 | 2.446 | -0.018 |
| 0.257 | -0.016 | 0.267 | 0.005 | 0.281 | 0.005 | 0.299 | -0.055 | 2.446 | 0.020 | 2.461 | 0.368 | 2.465 | 0.553 | 2.471 | 0.737 | 2.483 | -0.016 |
| 0.313 | -0.055 | 0.321 | -0.034 | 0.331 | -0.034 | 0.354 | 0.029 | 2.485 | 0.566 | 2.501 | 0.636 | 2.517 | 0.433 | 2.523 | 0.351 | 2.535 | -0.055 |
| 0.368 | -0.032 | 0.380 | -0.093 | 0.394 | -0.092 | 0.404 | -0.112 | 2.533 | 0.059 | 2.541 | -0.016 | 2.543 | -0.261 | 2.554 | -0.567 | 2.566 | -0.032 |
| 0.416 | -0.091 | 0.438 | -0.069 | 0.457 | -0.068 | 0.475 | -0.046 | 2.558 | -0.659 | 2.572 | -0.791 | 2.586 | -0.749 | 2.598 | -0.624 | 2.610 | -0.091 |
| 0.489 | -0.045 | 0.499 | -0.004 | 0.511 | 0.058 | 0.529 | 0.141 | 2.606 | 0.462 | 2.618 | -0.298 | 2.626 | -0.093 | 2.636 | 0.194 | 2.648 | -0.045 |
| 0.545 | -0.102 | 0.558 | 0.041 | 0.570 | -0.019 | 0.584 | -0.080 | 2.650 | 0.419 | 2.655 | 0.644 | 2.659 | 0.747 | 2.673 | 0.870 | 2.685 | -0.102 |
| 0.598 | -0.140 | 0.608 | -0.181 | 0.630 | -0.200 | 0.646 | -0.178 | 2.683 | 0.830 | 2.691 | 0.728 | 2.701 | 0.504 | 2.709 | 0.279 | 2.721 | -0.140 |
| 0.661 | -0.136 | 0.671 | -0.054 | 0.687 | 0.009 | 0.701 | 0.071 | 2.717 | -0.007 | 2.729 | -0.231 | 2.737 | -0.496 | 2.749 | -0.741 | 2.761 | -0.054 |
| 0.713 | 0.174 | 0.737 | 0.114 | 0.750 | 0.028 | 0.750 | -0.028 | 2.760 | -0.864 | 2.776 | -0.762 | 2.792 | -0.598 | 2.802 | -0.414 | 2.814 | -0.174 |
| 0.766 | -0.109 | 0.776 | -0.108 | 0.786 | -0.108 | 0.794 | -0.107 | 2.816 | -0.209 | 2.822 | -0.058 | 2.832 | -0.282 | 2.842 | -0.650 | 2.854 | -0.109 |
| 0.804 | -0.168 | 0.808 | -0.168 | 0.820 | -0.249 | 0.830 | -0.163 | 2.850 | 0.854 | 2.863 | 0.834 | 2.877 | 0.732 | 2.885 | -0.507 | 2.897 | -0.168 |
| 0.840 | -0.105 | 0.851 | -0.023 | 0.861 | 0.080 | 0.873 | 0.163 | 2.903 | 0.323 | 2.907 | 0.119 | 2.913 | 0.017 | 2.927 | -0.310 | 2.937 | -0.105 |
| 0.883 | 0.286 | 0.899 | 0.205 | 0.915 | 0.103 | 0.927 | 0.043 | 2.937 | -0.555 | 2.943 | -0.517 | 2.952 | -0.718 | 2.960 | -0.759 | 2.974 | -0.286 |
| 0.941 | -0.059 | 0.954 | -0.017 | 0.966 | -0.037 | 0.980 | -0.138 | 2.974 | 0.698 | 2.980 | -0.616 | 2.988 | -0.575 | 2.994 | -0.452 | 3.006 | -0.059 |
| 0.994 | -0.240 | 1.012 | -0.280 | 1.022 | -0.177 | 1.030 | -0.075 | 3.004 | -0.288 | 3.010 | -0.043 | 3.018 | -0.161 | 3.024 | 0.345 | 3.036 | -0.240 |
| 1.042 | -0.033 | 1.053 | 0.070 | 1.065 | 0.173 | 1.079 | 0.276 | 3.032 | 0.730 | 3.040 | 0.511 | 3.048 | 0.673 | 3.055 | 0.755 | 3.067 | -0.033 |
| 1.097 | 0.236 | 1.109 | 0.155 | 1.121 | 0.073 | 1.141 | -0.028 | 3.069 | 0.334 | 3.077 | 0.632 | 3.081 | 0.530 | 3.087 | 0.326 | 3.099 | -0.236 |
| 1.156 | -0.109 | 1.176 | -0.128 | 1.188 | -0.189 | 1.210 | -0.207 | 3.095 | 0.019 | 3.101 | -0.205 | 3.107 | -0.451 | 3.111 | -0.614 | 3.119 | -0.109 |
| 1.228 | -0.124 | 1.236 | -0.021 | 1.248 | 0.102 | 1.261 | 0.144 | 3.119 | -0.696 | 3.133 | -0.819 | 3.149 | -0.758 | 3.162 | -0.697 | 3.174 | -0.696 |
| 1.273 | 0.166 | 1.287 | 0.126 | 1.299 | 0.086 | 1.315 | 0.006 | 3.174 | -0.615 | 3.188 | -0.248 | 3.198 | 0.099 | 3.208 | 0.181 | 3.219 | -0.615 |
| 1.329 | -0.055 | 1.345 | -0.053 | 1.354 | -0.134 | 1.376 | -0.214 | 3.222 | 0.303 | 3.236 | 0.405 | 3.248 | 0.527 | 3.269 | 0.425 | 3.280 | -0.303 |
| 1.386 | -0.295 | 1.402 | -0.273 | 1.418 | -0.068 | 1.438 | -0.005 | 3.279 | 0.240 | 3.291 | -0.005 | 3.297 | -0.210 | 3.305 | -0.373 | 3.316 | -0.386 |
| 1.455 | 0.058 | 1.473 | 0.162 | 1.485 | 0.265 | 1.505 | 0.205 | 3.311 | -0.455 | 3.323 | -0.558 | 3.331 | -0.619 | 3.343 | -0.518 | 3.354 | -0.486 |
| 1.519 | 0.084 | 1.531 | -0.038 | 1.549 | -0.139 | 1.560 | -0.281 | 3.356 | -0.375 | 3.364 | -0.253 | 3.372 | -0.171 | 3.380 | -0.048 | 3.391 | -0.375 |
| 1.574 | -0.239 | 1.590 | -0.197 | 1.604 | -0.139 | 1.614 | -0.195 | 3.384 | 0.176 | 3.394 | 0.299 | 3.404 | 0.421 | 3.420 | 0.319 | 3.431 | -0.239 |
| 1.626 | -0.255 | 1.648 | -0.213 | 1.667 | -0.068 | 1.679 | 0.056 | 3.434 | 0.277 | 3.444 | 0.195 | 3.450 | 0.113 | 3.457 | -0.030 | 3.468 | -0.255 |
| 1.674 | -0.139 | 1.707 | 0.058 | 1.719 | 0.038 | 1.735 | -0.022 | 3.467 | -0.091 | 3.481 | -0.112 | 3.491 | -0.072 | 3.501 | -0.092 | 3.512 | -0.139 |
| 1.756 | -0.081 | 1.770 | -0.162 | 1.786 | -0.058 | 1.802 | -0.086 | 3.509 | -0.154 | 3.517 | -0.195 | 3.529 | -0.154 | 3.537 | -0.031 | 3.548 | -0.154 |
| 1.812 | 0.209 | 1.814 | 0.066 | 1.844 | -0.054 | 1.850 | -0.094 | 3.539 | 0.009 | 3.545 | 0.091 | 3.549 | 0.153 | 3.558 | 0.193 | 3.569 | 0.209 |
| 1.867 | -0.134 | 1.893 | -0.152 | 1.909 | -0.069 | 1.923 | 0.034 | 3.568 | 0.153 | 3.582 | 0.296 | 3.594 | 0.132 | 3.596 | 0.214 | 3.607 | -0.134 |
| 1.937 | 0.076 | 1.952 | 0.118 | 1.964 | 0.037 | 1.980 | -0.065 | 3.608 | 0.234 | 3.616 | 0.291 | 3.626 | 0.214 | 3.632 | 0.173 | 3.643 | -0.076 |
| 1.990 | -0.146 | 2.002 | -0.145 | 2.014 | -0.104 | 2.024 | -0.083 | 3.640 | 0.132 | 3.650 | 0.091 | 3.659 | 0.030 | 3.669 | -0.011 | 3.679 | -0.146 |
| 2.034 | -0.062 | 2.053 | 0.000 | 2.067 | -0.040 | 2.079 | -0.101 | 3.681 | -0.236 | 3.697 | -0.052 | 3.703 | 0.112 | 3.711 | 0.234 | 3.721 | -0.062 |
| 2.091 | 0.002 | 2.099 | 0.084 | 2.113 | 0.187 | 2.127 | 0.168 | 3.715 | 0.294 | 3.721 | 0.337 | 3.731 | 0.275 | 3.743 | 0.193 | 3.753 | 0.291 |
| 2.143 | 0.128 | 2.162 | -0.015 | 2.174 | -0.116 | 2.190 | -0.236 | 3.750 | 0.091 | 3.764 | 0.112 | 3.774 | 0.071 | 3.786 | 0.030 | 3.796 | -0.128 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 3.800 | 0.071 | 3.808 | 0.091 | 3.820 | 0.153 | 3.826 | 0.071 | 6.137 | 0.050 | 6.149 | 0.112 | 6.162 | 0.132 | 6.182 | 0.132 |
| 3.838 | 0.071 | 3.855 | 0.030 | 3.869 | 0.112 | 3.881 | 0.214 | 6.194 | 0.050 | 6.210 | 0.318 | 6.224 | 0.522 | 6.232 | 0.379 |
| 3.893 | 0.112 | 3.901 | 0.009 | 3.909 | -0.175 | 3.919 | -0.338 | 6.244 | -0.175 | 6.248 | 0.030 | 6.263 | 0.255 | 6.275 | 0.173 |
| 3.933 | -0.212 | 3.943 | -0.132 | 3.952 | -0.050 | 3.968 | -0.049 | 6.295 | -0.153 | 6.305 | -0.318 | 6.317 | -0.440 | 6.329 | -0.276 |
| 3.982 | -0.099 | 3.992 | -0.006 | 4.004 | 0.076 | 4.020 | 0.005 | 6.337 | 0.153 | 6.354 | 0.032 | 6.368 | 0.175 | 6.386 | 0.299 |
| 4.032 | -0.086 | 4.048 | -0.085 | 4.061 | -0.043 | 4.069 | -0.124 | 6.398 | 0.217 | 6.412 | 0.116 | 6.424 | 0.300 | 6.438 | 0.730 |
| 4.083 | -0.225 | 4.095 | -0.388 | 4.107 | -0.265 | 4.117 | -0.182 | 6.453 | 0.955 | 6.475 | 0.854 | 6.483 | 0.711 | 6.491 | 0.630 |
| 4.127 | -0.100 | 4.135 | -0.023 | 4.147 | 0.085 | 4.154 | 0.045 | 6.509 | 0.467 | 6.523 | 0.692 | 6.531 | 1.224 | 6.541 | 1.490 |
| 4.166 | -0.016 | 4.178 | -0.015 | 4.186 | -0.055 | 4.194 | -0.116 | 6.552 | 1.347 | 6.562 | 1.062 | 6.582 | -0.409 | 6.592 | -1.472 |
| 4.202 | -0.034 | 4.206 | -0.013 | 4.214 | 0.110 | 4.220 | 0.172 | 6.610 | -2.187 | 6.620 | -2.677 | 6.630 | -2.165 | 6.646 | -1.899 |
| 4.234 | 0.274 | 4.238 | 0.398 | 4.244 | 0.459 | 4.277 | 0.378 | 6.659 | 0.023 | 6.675 | 0.637 | 6.689 | 1.435 | 6.695 | 1.435 |
| 4.251 | 0.256 | 4.259 | 0.113 | 4.271 | -0.070 | 4.277 | -0.274 | 6.737 | 1.804 | 6.737 | 1.692 | 6.752 | 1.397 | 6.768 | 0.866 |
| 4.283 | -0.478 | 4.293 | -0.661 | 4.301 | -0.600 | 4.307 | -0.374 | 6.786 | -0.380 | 6.800 | -1.156 | 6.812 | -1.299 | 6.824 | -1.093 |
| 4.315 | -0.212 | 4.323 | -0.026 | 4.329 | 0.261 | 4.337 | 0.405 | 6.836 | -0.480 | 6.844 | -0.214 | 6.855 | 0.400 | 6.865 | 0.912 |
| 4.349 | 0.345 | 4.354 | 0.141 | 4.360 | 0.060 | 4.368 | -0.185 | 6.879 | 0.933 | 6.889 | 0.770 | 6.903 | 0.501 | 6.919 | -0.026 |
| 4.378 | -0.286 | 4.392 | -0.183 | 4.400 | 0.022 | 4.424 | 0.004 | 6.933 | -0.332 | 6.950 | -0.576 | 6.962 | -0.923 | 6.976 | -1.310 |
| 4.442 | 0.046 | 4.450 | 0.088 | 4.459 | 0.130 | 4.473 | 0.192 | 6.998 | -1.759 | 7.008 | -1.759 | 7.022 | -1.431 | 7.032 | -0.531 |
| 4.479 | 0.275 | 4.485 | 0.336 | 4.493 | 0.480 | 4.509 | 0.502 | 7.042 | 0.246 | 7.061 | 1.106 | 7.071 | 1.658 | 7.083 | 1.945 |
| 4.521 | 0.462 | 4.529 | 0.402 | 4.535 | 0.341 | 4.547 | 0.219 | 7.093 | 2.089 | 7.109 | 1.946 | 7.121 | 1.456 | 7.141 | 0.660 |
| 4.556 | 0.138 | 4.568 | 0.160 | 4.582 | 0.223 | 4.590 | 0.080 | 7.158 | -0.505 | 7.176 | -1.117 | 7.192 | -1.341 | 7.206 | -1.136 |
| 4.606 | -0.164 | 4.614 | -0.306 | 4.618 | -0.551 | 4.626 | -0.755 | 7.214 | -0.870 | 7.224 | -0.645 | 7.236 | -0.522 | 7.250 | -0.297 |
| 4.642 | -0.549 | 4.648 | -0.283 | 4.657 | -0.159 | 4.665 | -0.056 | 7.261 | 0.092 | 7.273 | 0.420 | 7.283 | 0.563 | 7.299 | 0.870 |
| 4.685 | -0.116 | 4.695 | -0.013 | 4.705 | 0.070 | 4.711 | 0.173 | 7.315 | 1.034 | 7.331 | 0.872 | 7.341 | 0.463 | 7.358 | -0.313 |
| 4.725 | 0.255 | 4.741 | 0.337 | 4.750 | 0.379 | 4.760 | 0.461 | 7.374 | -0.966 | 7.386 | -0.557 | 7.400 | -0.005 | 7.410 | -0.221 |
| 4.774 | 0.502 | 4.784 | 0.503 | 4.796 | 0.442 | 4.802 | 0.319 | 7.428 | 0.017 | 7.438 | 0.126 | 7.457 | -0.125 | 7.471 | -0.268 |
| 4.808 | 0.197 | 4.822 | 0.014 | 4.832 | -0.150 | 4.840 | -0.211 | 7.487 | -0.594 | 7.507 | -1.370 | 7.523 | -1.779 | 7.541 | -1.923 |
| 4.853 | -0.292 | 4.859 | -0.333 | 4.869 | -0.414 | 4.879 | -0.495 | 7.552 | -1.575 | 7.568 | -0.054 | 7.588 | 0.054 | 7.602 | 1.388 |
| 4.895 | -0.413 | 4.907 | -0.372 | 4.917 | -0.187 | 4.923 | -0.187 | 7.618 | 2.921 | 7.632 | 3.227 | 7.648 | 2.982 | 7.673 | 2.246 |
| 4.939 | -0.248 | 4.949 | -0.268 | 4.956 | -0.165 | 4.964 | 0.019 | 7.697 | -0.024 | 7.711 | -1.475 | 7.723 | -2.027 | 7.739 | -1.925 |
| 4.976 | 0.122 | 4.988 | 0.204 | 5.002 | 0.307 | 5.012 | 0.511 | 7.774 | -1.762 | 7.792 | -1.067 | 7.806 | -0.618 | 7.818 | -0.148 |
| 5.018 | 0.614 | 5.026 | 0.798 | 5.038 | 0.676 | 5.048 | 0.574 | 7.832 | 0.220 | 7.850 | 0.158 | 7.865 | -0.312 | 7.877 | -0.741 |
| 5.059 | 0.329 | 5.073 | 0.003 | 5.083 | -0.344 | 5.091 | -0.630 | 7.887 | -0.374 | 7.903 | 0.239 | 7.917 | 0.790 | 7.933 | 1.362 |
| 5.099 | -1.080 | 5.109 | -1.611 | 5.115 | -1.938 | 5.125 | -2.163 | 7.941 | 1.954 | 7.952 | 2.219 | 7.966 | 2.505 | 7.980 | 2.300 |
| 5.133 | -2.244 | 5.139 | -2.101 | 5.149 | -1.795 | 5.156 | -1.427 | 7.990 | 1.952 | 8.004 | 2.179 | 8.020 | 2.744 | 8.022 | 0.744 |
| 5.168 | -1.243 | 5.180 | -1.080 | 5.188 | -0.733 | 5.200 | 0.228 | 8.048 | -1.260 | 8.063 | -2.099 | 8.079 | -2.407 | 8.085 | -2.489 |
| 5.210 | 0.800 | 5.220 | 2.047 | 5.226 | 2.517 | 5.234 | 2.864 | 8.095 | -1.917 | 8.111 | -0.242 | 8.133 | 1.188 | 8.154 | 3.231 |
| 5.242 | 3.048 | 5.251 | 2.987 | 5.263 | 2.803 | 5.271 | 2.596 | 8.166 | 3.680 | 8.178 | 3.761 | 8.190 | 3.311 | 8.204 | 2.391 |
| 5.319 | 1.146 | 5.331 | 0.390 | 5.343 | -0.816 | 5.354 | -1.511 | 8.226 | 0.877 | 8.251 | -1.066 | 8.267 | -2.437 | 8.285 | -2.969 |
| 5.368 | -2.023 | 5.376 | -2.554 | 5.394 | -2.841 | 5.400 | -2.943 | 8.295 | -2.867 | 8.309 | -1.315 | 8.323 | -0.293 | 8.341 | 0.974 |
| 5.410 | -2.598 | 5.424 | -2.064 | 5.442 | -1.206 | 5.457 | 0.593 | 8.352 | 1.954 | 8.364 | 2.649 | 8.376 | 2.710 | 8.386 | 2.444 |
| 5.471 | 1.533 | 5.481 | 1.941 | 5.493 | 2.125 | 5.501 | 1.921 | 8.402 | 2.034 | 8.422 | 0.684 | 8.442 | -1.197 | 8.457 | -2.465 |
| 5.509 | 1.798 | 5.517 | 1.144 | 5.537 | 0.223 | 5.549 | -0.493 | 8.471 | -2.772 | 8.483 | -2.445 | 8.497 | -1.731 | 8.511 | -1.281 |
| 5.562 | -1.024 | 5.576 | -0.800 | 5.584 | -0.432 | 5.590 | 0.099 | 8.521 | -0.873 | 8.535 | -0.485 | 8.545 | 0.046 | 8.560 | 0.638 |
| 5.600 | 0.508 | 5.606 | 1.080 | 5.616 | 1.652 | 5.628 | 1.795 | 8.574 | 1.107 | 8.586 | 1.066 | 8.598 | 1.066 | 8.610 | 0.595 |
| 5.638 | 1.958 | 5.653 | 1.856 | 5.661 | 1.712 | 5.669 | 1.487 | 8.626 | -0.509 | 8.644 | -1.737 | 8.661 | -1.737 | 8.671 | -1.492 |
| 5.679 | 0.649 | 5.693 | -0.251 | 5.707 | -1.335 | 5.727 | -2.091 | 8.685 | -1.145 | 8.703 | -1.023 | 8.717 | -0.901 | 8.729 | -0.615 |
| 5.737 | -2.439 | 5.749 | -2.072 | 5.756 | -1.827 | 5.770 | -1.671 | 8.749 | 0.610 | 8.760 | 1.591 | 8.772 | 1.794 | 8.780 | 1.855 |
| 5.780 | -0.642 | 5.790 | -0.008 | 5.798 | 0.298 | 5.804 | 0.625 | 8.790 | 1.691 | 8.806 | -0.273 | 8.820 | -0.273 | 8.836 | -1.336 |
| 5.822 | 0.543 | 5.832 | 0.195 | 5.844 | -0.091 | 5.857 | -0.276 | 8.844 | -1.807 | 8.851 | -2.094 | 8.871 | -1.992 | 8.887 | -1.707 |
| 5.869 | -0.235 | 5.883 | -0.276 | 5.897 | -0.379 | 5.909 | -0.522 | 8.909 | -0.890 | 8.921 | -0.196 | 8.931 | 0.621 | 8.954 | 1.233 |
| 5.917 | -0.706 | 5.925 | -0.829 | 5.933 | -1.013 | 5.945 | -1.094 | 8.966 | 1.927 | 8.982 | 2.274 | 8.994 | 1.333 | 9.006 | 1.333 |
| 5.954 | -0.931 | 5.962 | -0.706 | 5.968 | -0.563 | 5.976 | -0.399 | 9.022 | -0.304 | 9.036 | -1.531 | 9.051 | -2.247 | 9.061 | -2.452 |
| 5.988 | -0.236 | 5.998 | -0.277 | 6.008 | -0.481 | 6.020 | -0.706 | 9.075 | -2.085 | 9.085 | -1.084 | 9.107 | -0.124 | 9.123 | 1.939 |
| 6.034 | -0.551 | 6.048 | -0.726 | 6.063 | -0.072 | 6.075 | 0.316 | 9.131 | 2.735 | 9.150 | 2.980 | 9.160 | 1.975 | 9.198 | 1.259 |
| 6.087 | 0.132 | 6.101 | -0.195 | 6.113 | -0.297 | 6.123 | -0.072 | 9.170 | 2.385 | 9.178 | 2.160 | 9.234 | -0.338 | 9.248 | -0.687 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9.255 | -0.871 | 9.265 | -1.138 | 9.277 | -1.323 | 9.281 | -1.528 | 12.354 | -0.333 | 12.378 | -0.253 | 12.392 | -0.213 | 12.404 | -0.234 |
| 9.295 | -1.181 | 9.305 | -0.221 | 9.323 | 1.249 | 9.331 | 1.923 | 12.424 | -0.317 | 12.436 | -0.155 | 12.446 | 0.069 | 12.463 | 0.252 |
| 9.343 | 2.249 | 9.350 | 2.617 | 9.360 | 2.739 | 9.366 | 2.595 | 12.487 | 0.311 | 12.505 | 0.330 | 12.519 | 0.227 | 12.533 | 0.144 |
| 9.376 | 2.308 | 9.386 | 2.103 | 9.396 | 1.775 | 9.406 | 1.386 | 12.545 | 0.041 | 12.558 | 0.164 | 12.578 | -0.309 | 12.594 | -0.228 |
| 9.416 | 0.935 | 9.438 | 0.137 | 9.446 | -0.191 | 9.461 | -0.519 | 12.608 | -0.068 | 12.622 | 0.056 | 12.632 | 0.382 | 12.650 | 0.810 |
| 9.471 | 0.847 | 9.481 | -1.257 | 9.495 | -1.687 | 9.509 | -1.585 | 12.657 | 0.952 | 12.677 | 0.890 | 12.689 | 0.664 | 12.705 | 0.295 |
| 9.519 | -0.552 | 9.533 | 0.356 | 9.543 | 0.784 | 9.556 | 0.907 | 12.727 | -0.237 | 12.737 | -0.564 | 12.750 | -0.871 | 12.776 | -0.831 |
| 9.568 | 0.804 | 9.576 | 0.558 | 9.586 | 0.333 | 9.596 | 0.047 | 12.796 | -0.627 | 12.808 | -0.198 | 12.824 | 0.292 | 12.844 | 1.028 |
| 9.606 | -0.077 | 9.622 | 0.086 | 9.636 | 0.209 | 9.648 | 0.085 | 12.851 | 1.416 | 12.869 | 1.538 | 12.887 | 1.231 | 12.901 | 0.638 |
| 9.677 | -1.144 | 9.683 | -0.631 | 9.695 | -0.836 | 9.715 | -0.939 | 12.917 | -0.139 | 12.937 | -0.467 | 12.956 | -0.733 | 12.972 | -0.631 |
| 9.727 | -1.144 | 9.747 | -1.329 | 9.749 | -1.329 | 9.756 | -1.861 | 12.980 | -0.366 | 12.994 | 0.022 | 13.010 | 0.328 | 13.022 | 0.860 |
| 9.780 | -1.780 | 9.790 | -1.474 | 9.802 | -0.983 | 9.822 | -0.003 | 13.034 | 1.350 | 13.042 | 1.718 | 13.051 | 2.003 | 13.067 | 1.901 |
| 9.836 | 1.121 | 9.851 | 1.549 | 9.859 | 1.753 | 9.879 | 1.978 | 13.075 | 1.553 | 13.091 | 0.858 | 13.099 | 0.326 | 13.109 | 0.124 |
| 9.891 | 1.773 | 9.907 | 1.200 | 9.931 | -0.906 | 9.945 | -1.458 | 13.121 | -0.492 | 13.133 | -0.737 | 13.152 | -0.657 | 13.162 | -0.451 |
| 9.956 | -2.113 | 9.968 | -1.909 | 9.986 | -1.582 | 10.004 | -1.399 | 13.172 | 0.411 | 13.184 | -0.247 | 13.188 | -0.104 | 13.200 | 0.243 |
| 10.018 | -0.970 | 10.032 | -0.112 | 10.048 | 1.176 | 10.065 | 1.932 | 13.216 | 0.345 | 13.226 | 0.447 | 13.240 | 0.570 | 13.259 | 0.672 |
| 10.081 | 2.279 | 10.097 | 1.910 | 10.111 | 1.235 | 10.131 | 0.274 | 13.275 | 0.590 | 13.291 | 0.467 | 13.301 | 0.262 | 13.311 | 0.078 |
| 10.143 | 0.012 | 10.150 | 0.233 | 10.160 | 0.437 | 10.176 | 0.518 | 13.327 | -0.106 | 13.337 | -0.311 | 13.345 | -0.433 | 13.358 | -0.658 |
| 10.192 | 0.477 | 10.210 | 0.436 | 10.222 | 0.313 | 10.232 | 0.026 | 13.368 | -0.679 | 13.376 | -0.618 | 13.382 | -0.454 | 13.394 | -0.373 |
| 10.246 | -0.056 | 10.255 | 0.169 | 10.269 | 0.352 | 10.277 | 0.659 | 13.402 | -0.209 | 13.410 | -0.046 | 13.424 | -0.005 | 13.438 | 0.097 |
| 10.287 | 0.781 | 10.305 | 0.678 | 10.319 | 0.370 | 10.335 | -0.387 | 13.453 | 0.363 | 13.463 | 0.567 | 13.481 | 0.648 | 13.493 | 0.730 |
| 10.349 | -0.981 | 10.368 | -1.513 | 10.388 | -1.678 | 10.402 | -1.536 | 13.509 | 0.566 | 13.521 | 0.463 | 13.535 | 0.217 | 13.545 | -0.008 |
| 10.412 | -1.046 | 10.436 | -0.670 | 10.451 | 1.936 | 10.463 | 2.875 | 13.560 | -0.213 | 13.574 | -0.193 | 13.586 | -0.132 | 13.600 | -0.214 |
| 10.479 | 3.753 | 10.493 | 3.936 | 10.509 | 3.506 | 10.533 | 2.503 | 13.622 | -0.236 | 13.638 | -0.073 | 13.655 | 0.213 | 13.675 | 0.559 |
| 10.558 | 0.151 | 10.580 | -1.466 | 10.596 | -2.080 | 10.612 | -2.694 | 13.687 | 0.825 | 13.699 | 1.049 | 13.719 | 1.171 | 13.739 | 1.088 |
| 10.628 | -3.043 | 10.644 | -2.614 | 10.665 | -1.226 | 10.669 | 0.185 | 13.750 | 0.863 | 13.764 | 0.638 | 13.778 | 0.433 | 13.790 | 0.228 |
| 10.689 | 1.308 | 10.705 | 1.675 | 10.723 | 1.511 | 10.731 | 1.163 | 13.806 | 0.064 | 13.822 | -0.039 | 13.838 | -0.162 | 13.861 | 0.041 |
| 10.745 | 0.652 | 10.762 | 0.141 | 10.780 | -0.085 | 10.796 | -1.107 | 13.875 | 0.184 | 13.883 | 0.347 | 13.897 | 0.673 | 13.909 | 0.938 |
| 10.810 | -1.741 | 10.826 | -2.212 | 10.836 | -1.762 | 10.846 | -1.047 | 13.929 | 0.896 | 13.941 | 0.711 | 13.954 | 0.424 | 13.968 | 0.259 |
| 10.855 | -0.373 | 10.869 | -0.199 | 10.889 | 1.057 | 10.901 | 0.934 | 13.980 | -0.028 | 13.998 | 0.111 | 14.018 | -0.194 | 14.034 | -0.114 |
| 10.915 | 0.505 | 10.929 | -0.007 | 10.943 | -0.232 | 10.960 | -0.396 | 14.051 | 0.212 | 14.063 | 0.456 | 14.075 | 0.741 | 14.091 | 0.985 |
| 10.970 | -0.580 | 10.986 | -0.826 | 10.998 | -1.071 | 11.006 | -1.215 | 14.107 | 1.189 | 14.119 | 1.270 | 14.135 | 1.289 | 14.150 | 1.144 |
| 11.022 | -1.651 | 11.034 | -0.520 | 11.053 | 0.215 | 11.063 | 0.644 | 14.160 | 0.939 | 14.170 | 0.734 | 14.186 | 0.447 | 14.198 | 0.057 |
| 11.073 | 0.726 | 11.089 | 0.787 | 11.103 | 0.684 | 11.117 | 0.521 | 14.212 | -0.128 | 14.226 | -0.292 | 14.242 | -0.334 | 14.255 | -0.376 |
| 11.133 | 0.378 | 11.143 | 0.174 | 11.150 | -0.173 | 11.164 | -0.541 | 14.263 | -0.459 | 14.271 | -0.500 | 14.279 | -0.644 | 14.297 | -0.625 |
| 11.176 | -0.827 | 11.192 | -0.949 | 11.200 | -0.765 | 11.214 | -0.335 | 14.311 | -0.482 | 14.321 | -0.421 | 14.333 | -0.258 | 14.347 | -0.054 |
| 11.226 | -0.008 | 11.234 | 0.197 | 11.255 | 0.238 | 11.271 | 0.607 | 14.360 | 0.109 | 14.370 | 0.211 | 14.388 | 0.149 | 14.406 | 0.209 |
| 11.283 | 0.893 | 11.299 | 1.732 | 11.311 | 1.957 | 11.325 | 1.630 | 14.422 | 0.331 | 14.432 | 0.433 | 14.446 | 0.310 | 14.459 | 0.228 |
| 11.339 | 1.058 | 11.354 | 0.731 | 11.376 | 0.119 | 11.394 | -0.617 | 14.471 | 0.064 | 14.481 | 0.002 | 14.493 | -0.039 | 14.503 | -0.183 |
| 11.404 | -1.025 | 11.420 | -1.229 | 11.428 | -1.106 | 11.450 | -0.431 | 14.517 | -0.470 | 14.527 | -0.470 | 14.539 | -0.654 | 14.554 | -0.757 |
| 11.463 | 0.039 | 11.475 | 0.530 | 11.491 | 1.001 | 11.503 | 1.429 | 14.564 | -0.717 | 14.574 | -0.656 | 14.588 | -0.534 | 14.596 | -0.391 |
| 11.517 | 1.715 | 11.529 | 1.796 | 11.545 | 1.795 | 11.552 | 1.590 | 14.608 | -0.207 | 14.618 | -0.044 | 14.630 | 0.098 | 14.644 | 0.180 |
| 11.564 | 1.119 | 11.578 | 0.668 | 11.592 | 0.218 | 11.606 | -0.029 | 14.655 | 0.261 | 14.669 | 0.301 | 14.689 | 0.321 | 14.707 | 0.280 |
| 11.616 | -0.234 | 11.632 | -0.766 | 11.640 | -1.032 | 11.650 | -1.217 | 14.717 | 0.137 | 14.731 | 0.014 | 14.741 | -0.129 | 14.752 | -0.190 |
| 11.655 | -1.544 | 11.667 | -1.648 | 11.683 | -1.648 | 11.695 | -1.404 | 14.762 | -0.251 | 14.770 | -0.313 | 14.786 | -0.313 | 14.802 | -0.313 |
| 11.707 | -1.364 | 11.711 | -1.160 | 11.721 | -0.976 | 11.737 | -0.732 | 14.818 | -0.251 | 14.836 | -0.190 | 14.848 | -0.108 | 14.859 | -0.026 |
| 11.749 | -0.344 | 11.760 | -0.161 | 11.774 | 0.063 | 11.784 | 0.246 | 14.873 | 0.096 | 14.887 | 0.198 | 14.897 | 0.301 | 14.911 | 0.280 |
| 11.794 | 0.286 | 11.812 | 0.203 | 11.826 | 0.182 | 11.842 | -0.003 | 14.923 | 0.260 | 14.941 | 0.198 | 14.954 | 0.076 | 14.974 | 0.014 |
| 11.861 | -0.454 | 11.877 | -0.700 | 11.893 | -0.885 | 11.909 | -0.992 | 14.988 | 0.096 | 15.000 | 0.219 | 15.018 | 0.219 | 15.032 | 0.178 |
| 11.927 | -1.401 | 11.939 | -1.260 | 11.950 | -1.343 | 11.968 | -1.366 | 15.048 | 0.158 | 15.071 | 0.055 | 15.093 | -0.129 | 15.111 | -0.436 |
| 11.986 | -1.144 | 11.998 | -0.900 | 12.014 | -0.821 | 12.030 | -0.700 | 15.121 | -0.681 | 15.137 | -0.926 | 15.150 | -1.029 | 15.166 | -0.906 |
| 12.050 | -0.417 | 12.061 | -0.398 | 12.077 | -0.339 | 12.101 | -0.261 | 15.180 | -0.702 | 15.196 | -0.535 | 15.209 | -0.416 | 15.216 | -0.273 |
| 12.111 | -0.282 | 12.141 | -0.593 | 12.149 | -1.044 | 12.162 | -1.455 | 15.236 | -0.131 | 15.253 | -0.049 | 15.267 | -0.172 | 15.281 | -0.315 |
| 12.172 | -1.722 | 12.186 | -1.826 | 12.204 | -1.665 | 12.220 | -1.422 | 15.295 | -0.540 | 15.307 | -0.724 | 15.315 | -0.929 | 15.325 | -1.195 |
| 12.234 | -1.260 | 12.251 | -0.752 | 12.265 | -0.504 | 12.277 | 0.001 | 15.337 | -1.379 | 15.349 | -1.604 | 15.358 | -1.726 | 15.382 | -1.625 |
| 12.295 | 0.183 | 12.315 | 0.038 | 12.331 | -0.106 | 12.347 | 0.373 | 15.394 | -1.318 | 15.404 | -1.012 | 15.414 | -0.910 | 15.426 | -0.726 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 15.436 | -0.562 | 15.444 | -0.419 | 15.457 | -0.276 | 15.465 | -0.154 | 18.246 | -0.118 | 18.259 | -0.077 | 18.279 | -0.016 | 18.295 | -0.057 |
| 15.477 | -0.072 | 15.489 | 0.071 | 15.499 | -0.032 | 15.511 | -0.257 | 18.305 | -0.118 | 18.319 | -0.200 | 18.329 | -0.323 | 18.343 | -0.445 |
| 15.519 | -0.420 | 15.529 | -0.543 | 15.539 | -0.707 | 15.556 | -0.666 | 18.352 | -0.650 | 18.366 | -0.752 | 18.376 | -0.691 | 18.394 | -0.589 |
| 15.570 | -0.666 | 15.588 | -0.687 | 15.600 | -0.687 | 15.612 | -0.626 | 18.400 | -0.568 | 18.414 | -0.425 | 18.430 | -0.405 | 18.444 | -0.333 |
| 15.620 | -0.626 | 15.634 | -0.524 | 15.644 | -0.524 | 15.655 | -0.442 | 18.453 | -0.180 | 18.469 | -0.077 | 18.479 | 0.045 | 18.495 | 0.086 |
| 15.667 | -0.361 | 15.683 | -0.279 | 15.695 | -0.259 | 15.707 | -0.239 | 18.509 | 0.025 | 18.519 | 0.025 | 18.529 | -0.118 | 18.539 | -0.139 |
| 15.719 | -0.178 | 15.735 | -0.076 | 15.750 | -0.178 | 15.760 | -0.260 | 18.547 | -0.221 | 18.560 | -0.139 | 18.572 | -0.098 | 18.586 | -0.037 |
| 15.776 | -0.403 | 15.796 | -0.363 | 15.806 | -0.199 | 15.826 | -0.179 | 18.596 | -0.016 | 18.610 | 0.004 | 18.626 | 0.045 | 18.638 | 0.147 |
| 15.861 | -0.118 | 15.879 | -0.118 | 15.895 | -0.057 | 15.917 | -0.098 | 18.653 | 0.209 | 18.671 | 0.229 | 18.689 | 0.290 | 18.705 | 0.352 |
| 15.937 | -0.199 | 15.949 | -0.322 | 15.974 | -0.219 | 15.988 | -0.117 | 18.725 | 0.290 | 18.750 | 0.209 | 18.752 | 0.127 | 18.764 | 0.025 |
| 15.998 | -0.035 | 16.008 | 0.088 | 16.016 | 0.169 | 16.030 | 0.415 | 18.778 | 0.004 | 18.784 | -0.098 | 18.796 | -0.159 | 18.808 | -0.241 |
| 16.032 | 0.497 | 16.044 | 0.620 | 16.053 | 0.701 | 16.063 | 0.702 | 18.828 | -0.282 | 18.838 | -0.384 | 18.859 | -0.261 | 18.879 | -0.221 |
| 16.083 | 0.661 | 16.095 | 0.661 | 16.107 | 0.661 | 16.121 | 0.661 | 18.895 | -0.139 | 18.915 | -0.159 | 18.933 | -0.200 | 18.952 | -0.261 |
| 16.135 | 0.662 | 16.143 | 0.580 | 16.156 | 0.478 | 16.166 | 0.253 | 18.966 | -0.384 | 18.982 | -0.425 | 18.992 | -0.527 | 19.002 | -0.670 |
| 16.174 | 0.069 | 16.186 | -0.074 | 16.196 | -0.196 | 16.206 | -0.114 | 19.018 | -0.670 | 19.038 | -0.605 | 19.053 | -0.568 | 19.069 | -0.507 |
| 16.214 | -0.032 | 16.224 | 0.049 | 16.234 | 0.172 | 16.244 | 0.315 | 19.097 | -0.485 | 19.113 | -0.444 | 19.119 | -0.362 | 19.133 | -0.320 |
| 16.253 | 0.418 | 16.261 | 0.520 | 16.279 | 0.541 | 16.289 | 0.602 | 19.150 | -0.340 | 19.172 | -0.379 | 19.190 | -0.378 | 19.196 | -0.358 |
| 16.305 | 0.603 | 16.321 | 0.522 | 16.331 | 0.440 | 16.345 | 0.298 | 19.210 | -0.337 | 19.222 | -0.275 | 19.240 | -0.212 | 19.257 | -0.171 |
| 16.356 | 0.073 | 16.370 | -0.028 | 16.378 | -0.151 | 16.386 | -0.253 | 19.275 | -0.067 | 19.291 | 0.015 | 19.303 | 0.097 | 19.323 | 0.098 |
| 16.400 | -0.354 | 16.420 | -0.415 | 16.432 | -0.435 | 16.448 | -0.495 | 19.341 | 0.099 | 19.358 | 0.080 | 19.380 | 0.040 | 19.396 | -0.020 |
| 16.465 | -0.454 | 16.475 | -0.392 | 16.485 | -0.269 | 16.497 | -0.207 | 19.410 | -0.101 | 19.420 | -0.264 | 19.442 | -0.325 | 19.449 | -0.140 |
| 16.503 | -0.085 | 16.515 | -0.002 | 16.531 | 0.060 | 16.545 | 0.101 | 19.459 | -0.038 | 19.473 | 0.147 | 19.481 | 0.270 | 19.491 | 0.332 |
| 16.560 | 0.163 | 16.576 | 0.266 | 16.590 | 0.287 | 16.604 | 0.206 | 19.513 | 0.477 | 19.523 | 0.535 | 19.531 | 0.622 | 19.537 | 0.643 |
| 16.616 | 0.104 | 16.632 | -0.018 | 16.648 | -0.222 | 16.657 | -0.385 | 19.552 | 0.644 | 19.562 | 0.584 | 19.576 | 0.524 | 19.586 | 0.402 |
| 16.669 | -0.487 | 16.681 | -0.487 | 16.695 | -0.425 | 16.711 | -0.383 | 19.600 | 0.322 | 19.610 | 0.179 | 19.626 | 0.140 | 19.644 | 0.162 |
| 16.731 | -0.301 | 16.739 | -0.198 | 16.750 | -0.034 | 16.762 | 0.171 | 19.649 | 0.265 | 19.659 | 0.347 | 19.667 | 0.491 | 19.679 | 0.554 |
| 16.776 | 0.396 | 16.784 | 0.560 | 16.796 | 0.542 | 16.804 | 0.724 | 19.689 | 0.677 | 19.699 | 0.739 | 19.713 | 0.741 | 19.723 | 0.680 |
| 16.816 | 0.725 | 16.828 | 0.664 | 16.838 | 0.562 | 16.849 | 0.378 | 19.737 | 0.641 | 19.743 | 0.600 | 19.750 | 0.560 | 19.754 | 0.458 |
| 16.859 | 0.236 | 16.869 | 0.114 | 16.883 | 0.012 | 16.895 | -0.090 | 19.768 | 0.357 | 19.778 | 0.195 | 19.786 | 0.011 | 19.798 | -0.069 |
| 16.913 | -0.048 | 16.935 | -0.047 | 16.950 | -0.026 | 16.974 | 0.036 | 19.810 | -0.150 | 19.822 | -0.190 | 19.834 | -0.189 | 19.846 | -0.147 |
| 16.992 | 0.118 | 17.006 | 0.160 | 17.018 | 0.242 | 17.036 | 0.202 | 19.859 | -0.105 | 19.871 | -0.022 | 19.885 | 0.020 | 19.895 | 0.102 |
| 17.051 | 0.243 | 17.065 | 0.285 | 17.079 | 0.326 | 17.093 | 0.265 | 19.903 | 0.163 | 19.913 | 0.225 | 19.919 | 0.327 | 19.927 | 0.430 |
| 17.109 | 0.183 | 17.125 | 0.204 | 17.143 | 0.204 | 17.154 | 0.184 | 19.939 | 0.553 | 19.952 | 0.512 | 19.966 | 0.431 | 19.976 | 0.309 |
| 17.162 | 0.123 | 17.178 | 0.062 | 17.190 | 0.021 | 17.206 | -0.081 | 19.982 | 0.206 | 19.990 | 0.125 | 20.000 | -0.018 | 20.008 | -0.059 |
| 17.226 | 0.001 | 17.236 | 0.103 | 17.249 | 0.144 | 17.259 | 0.267 | 20.020 | -0.201 | 20.030 | -0.344 | 20.044 | -0.405 | 20.059 | -0.466 |
| 17.273 | 0.308 | 17.287 | 0.411 | 17.301 | 0.493 | 17.315 | 0.574 | 20.077 | -0.486 | 20.095 | -0.486 | 20.107 | -0.444 | 20.115 | -0.383 |
| 17.329 | 0.616 | 17.339 | 0.657 | 17.352 | 0.677 | 17.368 | 0.698 | 20.131 | -0.382 | 20.147 | -0.423 | 20.162 | -0.525 | 20.178 | -0.708 |
| 17.388 | 0.637 | 17.400 | 0.576 | 17.410 | 0.473 | 17.418 | 0.330 | 20.188 | -0.831 | 20.198 | -0.892 | 20.212 | -0.953 | 20.224 | -1.014 |
| 17.426 | 0.147 | 17.449 | 0.004 | 17.457 | -0.057 | 17.465 | 0.024 | 20.234 | -1.095 | 20.249 | -1.095 | 20.267 | -1.012 | 20.277 | -0.951 |
| 17.511 | 0.434 | 17.519 | 0.536 | 17.529 | 0.638 | 17.539 | 0.720 | 20.299 | -0.746 | 20.313 | -0.623 | 20.325 | -0.561 | 20.333 | -0.520 |
| 17.550 | 0.822 | 17.558 | 0.924 | 17.572 | 0.904 | 17.584 | 0.904 | 20.348 | -0.540 | 20.354 | -0.540 | 20.368 | -0.540 | 20.384 | -0.539 |
| 17.592 | 0.761 | 17.600 | 0.699 | 17.616 | 0.474 | 17.622 | 0.270 | 20.394 | -0.560 | 20.412 | -0.559 | 20.434 | -0.620 | 20.446 | -0.599 |
| 17.630 | 0.045 | 17.638 | -0.118 | 17.648 | -0.282 | 17.659 | -0.425 | 20.459 | -0.558 | 20.479 | -0.496 | 20.499 | -0.516 | 20.511 | -0.536 |
| 17.675 | -0.323 | 17.685 | -0.159 | 17.693 | 0.025 | 17.701 | 0.229 | 20.529 | -0.455 | 20.539 | -0.454 | 20.560 | -0.351 | 20.574 | -0.330 |
| 17.709 | 0.352 | 17.723 | 0.495 | 17.733 | 0.597 | 17.749 | 0.699 | 20.588 | -0.289 | 20.602 | -0.248 | 20.622 | -0.247 | 20.638 | -0.246 |
| 17.766 | 0.699 | 17.786 | 0.618 | 17.796 | 0.474 | 17.806 | 0.229 | 20.653 | -0.165 | 20.671 | -0.226 | 20.687 | -0.266 | 20.701 | -0.203 |
| 17.818 | -0.057 | 17.826 | -0.384 | 17.836 | -0.609 | 17.848 | -0.895 | 20.713 | -0.120 | 20.727 | 0.004 | 20.735 | 0.168 | 20.745 | 0.291 |
| 17.857 | -0.813 | 17.871 | -0.609 | 17.883 | -0.425 | 17.893 | -0.159 | 20.758 | 0.456 | 20.766 | 0.559 | 20.774 | 0.621 | 20.790 | 0.684 |
| 17.901 | 0.106 | 17.913 | 0.270 | 17.923 | 0.556 | 17.933 | 0.679 | 20.806 | 0.624 | 20.822 | 0.584 | 20.836 | 0.504 | 20.849 | 0.423 |
| 17.947 | 0.781 | 17.956 | 0.699 | 17.968 | 0.577 | 17.978 | 0.454 | 20.909 | 0.245 | 20.921 | 0.348 | 20.933 | 0.471 | 20.943 | 0.534 |
| 17.986 | 0.270 | 17.994 | -0.118 | 18.008 | -0.466 | 18.020 | -0.752 | 20.950 | 0.575 | 20.970 | 0.618 | 20.990 | 0.599 | 21.006 | 0.580 |
| 18.032 | -0.916 | 18.044 | -1.059 | 18.055 | -0.956 | 18.065 | -0.813 | 21.022 | 0.541 | 21.038 | 0.481 | 21.059 | 0.401 | 21.073 | 0.320 |
| 18.079 | -0.670 | 18.089 | -0.507 | 18.105 | -0.343 | 18.119 | -0.200 | 21.083 | 0.342 | 21.095 | 0.445 | 21.107 | 0.487 | 21.123 | 0.611 |
| 18.129 | -0.057 | 18.143 | 0.066 | 18.154 | 0.229 | 18.170 | 0.188 | 21.139 | 0.695 | 21.154 | 0.656 | 21.162 | 0.575 | 21.172 | 0.576 |
| 18.186 | 0.106 | 18.200 | 0.004 | 18.212 | -0.118 | 18.228 | -0.180 | 21.180 | 0.536 | 21.200 | 0.456 | 21.212 | 0.437 | 21.226 | 0.438 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 21.248 | 0.379 | 21.257 | 0.339 | 21.273 | 0.382 | 21.285 | 0.444 | 24.947 | 0.194 | 24.966 | 0.151 | 24.982 | 0.130 | 25.002 | -0.015 |
| 21.297 | 0.507 | 21.307 | 0.569 | 21.321 | 0.570 | 21.331 | 0.571 | 25.012 | -0.097 | 25.030 | -0.058 | 25.044 | -0.059 | 25.067 | 0.021 |
| 21.345 | 0.552 | 21.358 | 0.554 | 21.368 | 0.593 | 21.382 | 0.413 | 25.069 | 0.082 | 25.083 | 0.016 | 25.095 | 0.035 | 25.113 | 0.222 |
| 21.396 | 0.312 | 21.414 | 0.375 | 21.432 | 0.459 | 21.451 | 0.461 | 25.123 | 0.098 | 25.137 | 0.016 | 25.152 | 0.035 | 25.166 | 0.054 |
| 21.471 | 0.443 | 21.487 | 0.444 | 21.503 | 0.446 | 21.521 | 0.447 | 25.194 | 0.052 | 25.212 | -0.011 | 25.236 | -0.074 | 25.255 | -0.014 |
| 21.537 | 0.367 | 21.552 | 0.287 | 21.568 | 0.186 | 21.584 | 0.126 | 25.271 | 0.046 | 25.291 | 0.106 | 25.307 | 0.064 | 25.329 | 0.062 |
| 21.598 | 0.086 | 21.616 | 0.149 | 21.638 | 0.171 | 21.653 | 0.173 | 25.350 | -0.001 | 25.366 | 0.043 | 25.392 | -0.025 | 25.418 | -0.108 |
| 21.669 | 0.074 | 21.689 | 0.074 | 21.701 | 0.014 | 21.717 | 0.046 | 25.440 | -0.051 | 25.461 | -0.153 | 25.485 | -0.216 | 25.513 | -0.196 |
| 21.731 | -0.106 | 21.749 | -0.146 | 21.764 | -0.124 | 21.782 | -0.081 | 25.529 | -0.136 | 25.545 | -0.014 | 25.564 | 0.067 | 25.580 | 0.026 |
| 21.796 | -0.019 | 21.818 | 0.065 | 21.836 | 0.087 | 21.849 | 0.088 | 25.566 | -0.056 | 25.614 | -0.135 | 25.636 | -0.099 | 25.657 | -0.079 |
| 21.867 | 0.090 | 21.881 | 0.091 | 21.899 | 0.091 | 21.919 | -0.011 | 25.667 | -0.018 | 25.703 | -0.061 | 25.725 | -0.041 | 25.737 | -0.021 |
| 21.939 | -0.073 | 21.962 | 0.009 | 21.978 | 0.091 | 21.986 | 0.152 | 25.760 | 0.039 | 25.778 | 0.018 | 25.796 | -0.023 | 25.812 | -0.126 |
| 22.000 | 0.275 | 22.026 | 0.316 | 22.042 | 0.173 | 22.057 | 0.091 | 25.834 | -0.107 | 25.857 | 0.087 | 25.883 | -0.088 | 25.897 | -0.088 |
| 22.073 | -0.032 | 22.091 | -0.093 | 22.105 | -0.236 | 22.119 | -0.338 | 25.915 | -0.047 | 25.931 | 0.014 | 25.954 | 0.014 | 25.978 | -0.026 |
| 22.139 | -0.461 | 22.156 | -0.584 | 22.178 | -0.522 | 22.194 | -0.502 | 25.986 | -0.067 | 26.030 | -0.026 | 26.053 | 0.035 | 26.073 | 0.035 |
| 22.206 | -0.379 | 22.224 | -0.318 | 22.242 | -0.236 | 22.255 | -0.175 | 26.089 | 0.055 | 26.109 | 0.076 | 26.129 | 0.198 | 26.160 | 0.198 |
| 22.267 | -0.175 | 22.287 | -0.257 | 22.295 | -0.298 | 22.311 | -0.421 | 26.184 | 0.219 | 26.202 | 0.219 | 26.218 | 0.178 | 26.236 | 0.260 |
| 22.329 | -0.565 | 22.341 | -0.689 | 22.360 | -0.731 | 22.374 | -0.690 | 26.255 | 0.219 | 26.275 | 0.239 | 26.289 | 0.260 | 26.311 | 0.239 |
| 22.390 | -0.630 | 22.408 | -0.488 | 22.416 | -0.345 | 22.432 | -0.162 | 26.325 | 0.279 | 26.345 | 0.258 | 26.366 | 0.278 | 26.390 | 0.216 |
| 22.446 | -0.040 | 22.461 | 0.143 | 22.479 | 0.102 | 22.499 | 0.019 | 26.408 | 0.236 | 26.424 | 0.256 | 26.444 | 0.296 | 26.463 | 0.357 |
| 22.519 | -0.003 | 22.539 | -0.024 | 22.556 | -0.117 | 22.572 | -0.108 | 26.483 | 0.068 | 26.501 | 0.172 | 26.523 | -0.012 | 26.547 | -0.033 |
| 22.592 | -0.068 | 22.612 | 0.054 | 22.620 | 0.115 | 22.636 | 0.175 | 26.568 | 0.068 | 26.586 | 0.129 | 26.604 | 0.149 | 26.622 | 0.128 |
| 22.651 | 0.215 | 22.673 | 0.132 | 22.687 | 0.010 | 22.705 | -0.113 | 26.638 | 0.108 | 26.653 | 0.087 | 26.673 | 0.025 | 26.685 | -0.016 |
| 22.721 | -0.256 | 22.737 | -0.256 | 22.747 | -0.174 | 22.768 | -0.051 | 26.699 | -0.078 | 26.721 | -0.119 | 26.737 | -0.037 | 26.752 | -0.038 |
| 22.784 | 0.072 | 22.794 | 0.195 | 22.808 | 0.297 | 22.824 | 0.297 | 26.776 | 0.003 | 26.794 | 0.044 | 26.810 | 0.043 | 26.832 | 0.023 |
| 22.842 | 0.359 | 22.857 | 0.380 | 22.875 | 0.319 | 22.895 | 0.257 | 26.849 | -0.080 | 26.859 | -0.162 | 26.879 | -0.264 | 26.897 | -0.326 |
| 22.909 | 0.155 | 22.925 | 0.053 | 22.945 | -0.008 | 22.958 | -0.066 | 26.913 | -0.224 | 26.927 | -0.101 | 26.945 | 0.001 | 26.968 | 0.021 |
| 22.980 | -0.232 | 23.002 | -0.191 | 23.022 | -0.068 | 23.038 | -0.006 | 26.992 | 0.044 | 27.016 | 0.061 | 27.040 | 0.102 | 27.061 | 0.163 |
| 23.046 | 0.055 | 23.061 | 0.137 | 23.077 | 0.198 | 23.093 | 0.301 | 27.073 | 0.142 | 27.093 | 0.142 | 27.125 | 0.183 | 27.143 | 0.224 |
| 23.119 | 0.199 | 23.135 | 0.077 | 23.150 | -0.025 | 23.166 | -0.107 | 27.166 | 0.183 | 27.190 | 0.244 | 27.210 | 0.183 | 27.240 | 0.163 |
| 23.184 | -0.189 | 23.204 | -0.209 | 23.222 | -0.249 | 23.238 | -0.208 | 27.283 | 0.204 | 27.283 | 0.224 | 27.307 | 0.306 | 27.327 | 0.347 |
| 23.255 | -0.208 | 23.269 | -0.187 | 23.285 | -0.105 | 23.301 | -0.064 | 27.350 | 0.285 | 27.370 | 0.224 | 27.394 | 0.204 | 27.410 | 0.204 |
| 23.315 | -0.126 | 23.323 | -0.248 | 23.343 | -0.289 | 23.364 | -0.391 | 27.426 | 0.204 | 27.436 | 0.204 | 27.453 | 0.204 | 27.465 | 0.306 |
| 23.380 | -0.534 | 23.402 | -0.554 | 23.416 | -0.554 | 23.440 | -0.512 | 27.481 | 0.306 | 27.501 | 0.305 | 27.515 | 0.243 | 27.529 | 0.283 |
| 23.451 | -0.390 | 23.463 | -0.267 | 23.481 | -0.164 | 23.501 | -0.083 | 27.543 | 0.262 | 27.560 | 0.179 | 27.580 | 0.117 | 27.596 | 0.055 |
| 23.521 | 0.020 | 23.545 | 0.061 | 23.564 | -0.021 | 23.578 | -0.062 | 27.608 | 0.013 | 27.628 | 0.012 | 27.642 | -0.029 | 27.648 | -0.091 |
| 23.604 | -0.103 | 23.626 | -0.103 | 23.642 | -0.144 | 23.671 | -0.144 | 27.667 | -0.133 | 27.675 | -0.194 | 27.689 | -0.236 | 27.701 | -0.237 |
| 23.691 | -0.123 | 23.711 | -0.062 | 23.727 | 0.020 | 23.741 | 0.101 | 27.721 | -0.258 | 27.760 | -0.260 | 27.770 | -0.240 | 27.786 | -0.241 |
| 23.754 | 0.163 | 23.770 | 0.244 | 23.784 | 0.306 | 23.808 | 0.244 | 27.804 | -0.242 | 27.820 | -0.263 | 27.840 | -0.264 | 27.853 | -0.265 |
| 23.824 | 0.224 | 23.838 | 0.163 | 23.855 | 0.142 | 23.877 | 0.183 | 27.865 | -0.347 | 27.883 | -0.348 | 27.905 | -0.349 | 27.921 | -0.390 |
| 23.889 | 0.224 | 23.905 | 0.286 | 23.913 | 0.408 | 23.929 | 0.490 | 27.937 | -0.371 | 27.966 | -0.331 | 27.968 | -0.249 | 27.986 | -0.250 |
| 23.943 | 0.531 | 23.958 | 0.634 | 23.982 | 0.573 | 24.000 | 0.430 | 28.004 | -0.291 | 28.022 | -0.272 | 28.032 | -0.231 | 28.044 | -0.191 |
| 24.014 | 0.267 | 24.022 | 0.205 | 24.036 | 0.103 | 24.051 | 0.022 | 28.055 | -0.150 | 28.077 | -0.090 | 28.095 | -0.029 | 28.113 | 0.011 |
| 24.063 | -0.039 | 24.081 | 0.084 | 24.095 | 0.145 | 24.103 | 0.206 | 28.127 | 0.072 | 28.148 | 0.071 | 28.164 | 0.050 | 28.176 | 0.070 |
| 24.113 | 0.227 | 24.125 | 0.309 | 24.135 | 0.370 | 24.148 | 0.473 | 28.196 | 0.028 | 28.228 | 0.028 | 28.222 | 0.068 | 28.236 | 0.129 |
| 24.168 | 0.473 | 24.182 | 0.453 | 24.198 | 0.351 | 24.212 | 0.208 | 28.253 | 0.108 | 28.271 | 0.107 | 28.287 | 0.045 | 28.305 | 0.045 |
| 24.226 | 0.024 | 24.242 | -0.057 | 24.257 | -0.119 | 24.277 | -0.159 | 28.323 | 0.045 | 28.333 | -0.016 | 28.347 | -0.016 | 28.360 | 0.025 |
| 24.293 | -0.058 | 24.305 | -0.017 | 24.317 | 0.023 | 24.337 | 0.043 | 28.374 | 0.066 | 28.386 | 0.168 | 28.394 | 0.209 | 28.404 | 0.270 |
| 24.354 | 0.144 | 24.376 | 0.103 | 24.396 | -0.041 | 24.416 | -0.165 | 28.422 | 0.270 | 28.436 | 0.290 | 28.451 | 0.250 | 28.459 | 0.209 |
| 24.440 | -0.125 | 24.461 | -0.044 | 24.483 | -0.024 | 24.505 | -0.045 | 28.473 | 0.147 | 28.483 | 0.045 | 28.491 | -0.016 | 28.501 | -0.118 |
| 24.525 | -0.026 | 24.539 | -0.067 | 24.558 | -0.027 | 24.578 | -0.130 | 28.513 | -0.221 | 28.529 | -0.282 | 28.541 | -0.302 | 28.556 | -0.241 |
| 24.602 | -0.151 | 24.626 | -0.193 | 24.648 | -0.173 | 24.663 | -0.174 | 28.568 | -0.221 | 28.578 | -0.159 | 28.588 | -0.159 | 28.598 | -0.098 |
| 24.681 | -0.175 | 24.701 | -0.115 | 24.717 | -0.075 | 24.735 | -0.056 | 28.612 | -0.057 | 28.626 | -0.016 | 28.644 | -0.057 | 28.661 | -0.098 |
| 24.752 | -0.098 | 24.768 | -0.120 | 24.784 | -0.162 | 24.804 | -0.204 | 28.675 | -0.139 | 28.691 | -0.180 | 28.707 | -0.241 | 28.723 | -0.302 |
| 24.816 | -0.164 | 24.828 | -0.145 | 24.846 | -0.085 | 24.855 | -0.004 | 28.743 | -0.302 | 28.752 | -0.302 | 28.770 | -0.302 | 28.786 | -0.302 |
| 24.871 | 0.056 | 24.887 | 0.137 | 24.907 | 0.156 | 24.923 | 0.236 | 28.806 | -0.302 | 28.824 | -0.302 | 28.848 | -0.302 | 28.855 | -0.302 |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 28.877 | -0.241 | 28.895 | -0.221 | 28.911 | -0.159 | 28.927 | -0.139 | 32.436 | -0.107 | 32.455 | -0.128 | 32.473 | -0.210 | 32.497 | -0.251 |
| 28.945 | -0.098 | 28.966 | -0.118 | 28.978 | -0.180 | 28.996 | -0.221 | 32.515 | -0.170 | 32.533 | -0.109 | 32.545 | -0.028 | 32.560 | 0.074 |
| 29.018 | -0.221 | 29.038 | -0.221 | 29.051 | -0.159 | 29.067 | -0.057 | 32.580 | 0.114 | 32.596 | 0.134 | 32.612 | 0.693 | 32.636 | 0.652 |
| 29.079 | -0.037 | 29.093 | 0.045 | 29.107 | 0.148 | 29.117 | 0.209 | 32.657 | 0.010 | 32.675 | 0.052 | 32.699 | -0.052 | 32.719 | -0.031 |
| 29.125 | 0.291 | 29.139 | 0.352 | 29.148 | 0.393 | 29.170 | 0.394 | 32.731 | -0.031 | 32.747 | 0.050 | 32.768 | 0.112 | 32.790 | 0.091 |
| 29.190 | 0.333 | 29.202 | 0.231 | 29.214 | 0.169 | 29.234 | 0.108 | 32.814 | 0.071 | 32.834 | -0.011 | 32.849 | -0.011 | 32.867 | -0.052 |
| 29.251 | 0.149 | 29.265 | 0.190 | 29.283 | 0.232 | 29.291 | 0.252 | 32.887 | -0.052 | 32.901 | -0.032 | 32.919 | -0.052 | 32.941 | -0.052 |
| 29.299 | 0.273 | 29.317 | 0.334 | 29.329 | 0.355 | 29.347 | 0.396 | 32.949 | -0.011 | 32.966 | -0.011 | 32.978 | -0.011 | 32.998 | 0.030 |
| 29.362 | 0.376 | 29.382 | 0.335 | 29.402 | 0.213 | 29.424 | 0.111 | 33.016 | -0.011 | 33.028 | 0.052 | 33.048 | 0.050 | 33.063 | 0.030 |
| 29.442 | 0.111 | 29.455 | 0.172 | 29.473 | 0.193 | 29.489 | 0.214 | 33.079 | 0.010 | 33.101 | -0.092 | 33.125 | -0.091 | 33.147 | -0.049 |
| 29.513 | 0.235 | 29.527 | 0.236 | 29.543 | 0.154 | 29.558 | 0.073 | 33.162 | -0.048 | 33.180 | -0.048 | 33.198 | -0.047 | 33.214 | -0.107 |
| 29.574 | -0.008 | 29.590 | -0.089 | 29.598 | -0.170 | 29.608 | -0.252 | 33.234 | 0.065 | 33.273 | -0.124 | 33.273 | -0.124 | 33.297 | -0.103 |
| 29.624 | -0.292 | 29.642 | -0.332 | 29.655 | -0.332 | 29.663 | -0.332 | 33.317 | -0.102 | 33.333 | -0.060 | 33.345 | -0.059 | 33.364 | -0.058 |
| 29.679 | -0.331 | 29.691 | -0.310 | 29.703 | -0.330 | 29.721 | -0.330 | 33.368 | -0.057 | 33.408 | -0.056 | 33.420 | -0.035 | 33.440 | 0.007 |
| 29.737 | -0.410 | 29.758 | -0.471 | 29.774 | -0.511 | 29.786 | -0.511 | 33.461 | -0.033 | 33.483 | -0.073 | 33.505 | -0.071 | 33.529 | -0.009 |
| 29.800 | -0.510 | 29.816 | -0.448 | 29.828 | -0.448 | 29.840 | -0.447 | 33.547 | -0.007 | 33.566 | -0.006 | 33.578 | 0.015 | 33.600 | 0.078 |
| 29.851 | -0.427 | 29.867 | -0.406 | 29.877 | -0.364 | 29.887 | -0.323 | 33.610 | 0.099 | 33.630 | 0.080 | 33.653 | 0.081 | 33.677 | 0.083 |
| 29.901 | -0.302 | 29.915 | -0.363 | 29.927 | -0.424 | 29.943 | -0.484 | 33.689 | 0.083 | 33.703 | 0.084 | 33.717 | 0.028 | 33.721 | 0.065 |
| 29.956 | -0.525 | 29.972 | -0.483 | 29.996 | -0.442 | 30.004 | -0.421 | 33.737 | 0.087 | 33.756 | 0.026 | 33.772 | 0.028 | 33.790 | 0.049 |
| 30.016 | -0.420 | 30.034 | -0.399 | 30.049 | -0.378 | 30.067 | -0.296 | 33.806 | 0.050 | 33.822 | 0.092 | 33.838 | 0.073 | 33.851 | 0.094 |
| 30.075 | -0.214 | 30.091 | -0.090 | 30.107 | 0.033 | 30.123 | 0.095 | 33.863 | 0.095 | 33.873 | 0.136 | 33.891 | 0.157 | 33.905 | 0.178 |
| 30.139 | 0.157 | 30.154 | 0.219 | 30.170 | 0.281 | 30.184 | 0.302 | 33.923 | 0.178 | 33.941 | 0.137 | 33.956 | 0.096 | 33.964 | 0.090 |
| 30.198 | 0.302 | 30.216 | 0.262 | 30.226 | 0.242 | 30.248 | 0.202 | 33.978 | 0.096 | 34.002 | 0.056 | 34.026 | 0.096 | 34.038 | 0.117 |
| 30.263 | 0.243 | 30.273 | 0.284 | 30.289 | 0.326 | 30.299 | 0.408 | 34.057 | 0.137 | 34.077 | -0.037 | 34.095 | 0.096 | 34.111 | 0.096 |
| 30.311 | 0.449 | 30.329 | 0.551 | 30.339 | 0.674 | 30.352 | 0.715 | 34.135 | 0.035 | 34.155 | -0.006 | 34.164 | -0.067 | 34.178 | -0.149 |
| 30.368 | 0.756 | 30.390 | 0.756 | 30.408 | 0.715 | 30.424 | 0.653 | 34.188 | -0.067 | 34.208 | 0.035 | 34.220 | 0.157 | 34.240 | 0.219 |
| 30.438 | 0.592 | 30.461 | 0.469 | 30.485 | 0.469 | 30.503 | 0.469 | 34.257 | 0.239 | 34.271 | 0.341 | 34.283 | 0.423 | 34.295 | 0.546 |
| 30.519 | 0.429 | 30.541 | 0.469 | 30.560 | 0.469 | 30.574 | 0.551 | 34.319 | 0.382 | 34.339 | 0.300 | 34.359 | 0.198 | 34.350 | 0.055 |
| 30.588 | 0.551 | 30.608 | 0.469 | 30.622 | 0.429 | 30.638 | 0.326 | 34.360 | -0.007 | 34.378 | 0.013 | 34.398 | -0.007 | 34.406 | -0.008 |
| 30.657 | 0.245 | 30.675 | 0.163 | 30.693 | 0.142 | 30.711 | 0.041 | 34.422 | -0.028 | 34.434 | 0.033 | 34.446 | 0.053 | 34.455 | 0.115 |
| 30.727 | 0.041 | 30.747 | 0.040 | 30.770 | -0.040 | 30.794 | -0.141 | 34.461 | 0.155 | 34.471 | 0.135 | 34.491 | 0.135 | 34.513 | 0.093 |
| 30.818 | -0.263 | 30.836 | -0.283 | 30.851 | -0.364 | 30.875 | -0.364 | 34.517 | 0.155 | 34.527 | 0.175 | 34.543 | 0.195 | 34.560 | 0.195 |
| 30.889 | -0.364 | 30.909 | -0.363 | 30.931 | -0.362 | 30.949 | -0.362 | 34.574 | 0.154 | 34.592 | 0.154 | 34.606 | 0.113 | 34.616 | 0.092 |
| 31.032 | -0.442 | 31.048 | -0.441 | 31.071 | -0.441 | 31.083 | -0.442 | 34.628 | 0.112 | 34.632 | 0.051 | 34.653 | -0.011 | 34.667 | -0.031 |
| 31.099 | -0.378 | 31.123 | -0.335 | 31.145 | -0.292 | 31.166 | -0.289 | 34.677 | 0.071 | 34.687 | 0.132 | 34.693 | 0.214 | 34.697 | 0.194 |
| 31.190 | -0.287 | 31.214 | -0.264 | 31.234 | -0.262 | 31.255 | -0.260 | 34.707 | 0.235 | 34.717 | 0.276 | 34.727 | 0.338 | 34.741 | 0.339 |
| 31.277 | -0.258 | 31.297 | -0.194 | 31.311 | -0.111 | 31.325 | 0.013 | 34.758 | 0.299 | 34.782 | 0.096 | 34.800 | -0.005 | 34.824 | -0.168 |
| 31.341 | 0.056 | 31.352 | 0.139 | 31.364 | 0.160 | 31.382 | 0.264 | 34.844 | -0.330 | 34.861 | -0.227 | 34.873 | 0.060 | 34.885 | 0.162 |
| 31.398 | 0.307 | 31.414 | 0.390 | 31.422 | 0.411 | 31.444 | 0.393 | 34.897 | -0.265 | 34.907 | 0.388 | 34.917 | 0.450 | 34.925 | 0.492 |
| 31.463 | 0.313 | 31.487 | 0.213 | 31.507 | 0.235 | 31.519 | 0.277 | 34.939 | 0.554 | 34.954 | 0.514 | 34.962 | 0.432 | 34.974 | 0.269 |
| 31.531 | 0.319 | 31.541 | 0.381 | 31.556 | 0.484 | 31.566 | 0.485 | 34.986 | 0.004 | 34.996 | -0.241 | 35.010 | -0.444 | 35.026 | -0.648 |
| 31.580 | 0.568 | 31.594 | 0.651 | 31.606 | 0.754 | 31.622 | 0.714 | 35.040 | -0.729 | 35.055 | -0.667 | 35.067 | -0.564 | 35.073 | -0.359 |
| 31.630 | 0.654 | 31.644 | 0.614 | 31.651 | 0.533 | 31.657 | 0.492 | 35.087 | -0.154 | 35.095 | 0.112 | 35.105 | 0.296 | 35.113 | 0.501 |
| 31.673 | 0.432 | 31.683 | 0.331 | 31.693 | 0.209 | 31.707 | 0.148 | 35.133 | 0.583 | 35.150 | 0.543 | 35.164 | 0.482 | 35.180 | 0.339 |
| 31.729 | 0.089 | 31.741 | 0.171 | 31.754 | 0.173 | 31.778 | 0.236 | 35.186 | 0.237 | 35.192 | 0.012 | 35.202 | -0.151 | 35.210 | -0.314 |
| 31.788 | 0.298 | 31.802 | 0.381 | 31.816 | 0.402 | 31.834 | 0.383 | 35.222 | -0.396 | 35.234 | -0.518 | 35.248 | -0.579 | 35.253 | -0.579 |
| 31.848 | 0.302 | 31.857 | 0.242 | 31.865 | 0.161 | 31.881 | 0.100 | 35.277 | -0.538 | 35.289 | -0.476 | 35.305 | -0.332 | 35.319 | -0.230 |
| 31.895 | -0.103 | 31.909 | -0.185 | 31.921 | -0.226 | 31.939 | -0.226 | 35.333 | -0.107 | 35.344 | 0.016 | 35.354 | 0.098 | 35.366 | 0.078 |
| 31.954 | -0.226 | 31.968 | -0.185 | 31.986 | -0.185 | 32.008 | -0.123 | 35.380 | 0.038 | 35.394 | -0.003 | 35.408 | -0.044 | 35.416 | -0.084 |
| 32.034 | -0.064 | 32.049 | -0.226 | 32.065 | -0.266 | 32.088 | -0.307 | 35.436 | -0.145 | 35.446 | -0.267 | 35.459 | -0.349 | 35.477 | -0.389 |
| 32.097 | -0.389 | 32.115 | -0.430 | 32.137 | -0.369 | 32.152 | -0.389 | 35.453 | -0.328 | 35.466 | -0.287 | 35.480 | -0.240 | 35.492 | -0.123 |
| 32.168 | -0.348 | 32.184 | -0.328 | 32.202 | -0.287 | 32.220 | -0.307 | 35.513 | -0.164 | 35.524 | -0.062 | 35.535 | -0.044 | 35.547 | -0.040 |
| 32.236 | -0.307 | 32.248 | -0.307 | 32.263 | -0.307 | 32.287 | -0.410 | 35.568 | -0.062 | 35.575 | -0.123 | 35.588 | -0.226 | 35.602 | -0.103 |
| 32.305 | -0.430 | 32.327 | -0.349 | 32.350 | -0.268 | 32.366 | -0.207 | 35.725 | -0.021 | 35.754 | -0.023 | 35.788 | -0.001 | 35.824 | -0.038 |
| 32.382 | -0.167 | 32.396 | -0.106 | 32.404 | -0.106 | 32.420 | -0.106 | 35.838 | 0.020 | 35.873 | 0.347 | 35.907 | 0.490 | 35.935 | 0.588 |
| | | | | | | | | 35.945 | 0.163 | 35.976 | -0.122 | 35.994 | -0.184 | 36.032 | -0.060 |
| | | | | | | | | 36.049 | 0.103 | 36.081 | 0.247 | 36.109 | 0.349 | 36.127 | 0.309 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 36.156 | 0.166 | 36.180 | 0.023 | 36.208 | -0.099 | 36.246 | 0.004 |
| 36.275 | 0.127 | 36.293 | 0.168 | 36.331 | 0.105 | 36.348 | 0.043 |
| 36.378 | 0.001 | 36.418 | -0.082 | 36.449 | -0.185 | 36.485 | -0.125 |
| 36.507 | -0.167 | 36.533 | -0.107 | 36.570 | -0.190 | 36.606 | -0.130 |
| 36.648 | -0.091 | 36.687 | -0.051 | 36.707 | -0.073 | 36.737 | -0.238 |
| 36.782 | -0.281 | 36.808 | -0.180 | 36.832 | 0.044 | 36.861 | 0.185 |
| 36.893 | 0.225 | 36.921 | 0.080 | 36.960 | -0.106 | 36.996 | -0.148 |
| 37.038 | 0.033 | 37.051 | 0.278 | 37.083 | 0.420 | 37.125 | 0.275 |
| 37.172 | 0.111 | 37.206 | 0.009 | 37.240 | 0.131 | 37.267 | 0.172 |
| 37.297 | 0.069 | 37.327 | 0.028 | 37.366 | -0.116 | 37.400 | -0.055 |
| 37.436 | 0.006 | 37.479 | 0.067 | 37.511 | 0.087 | 37.547 | -0.015 |
| 37.576 | -0.118 | 37.602 | -0.180 | 37.630 | -0.221 | 37.685 | -0.140 |
| 37.733 | -0.038 | 37.790 | -0.120 | 37.822 | -0.162 | 37.875 | -0.142 |
| 37.927 | -0.163 | 37.962 | -0.122 | 37.988 | -0.041 | 38.026 | -0.021 |
| 38.053 | -0.041 | 38.107 | -0.001 | 38.152 | -0.165 | 38.190 | -0.022 |
| 38.251 | 0.243 | 38.275 | 0.120 | 38.313 | -0.065 | 38.378 | -0.249 |
| 38.422 | -0.086 | 38.453 | 0.097 | 38.493 | 0.117 | 38.525 | 0.056 |
| 38.560 | -0.067 | 38.622 | -0.293 | 38.667 | -0.150 | 38.717 | 0.013 |
| 38.768 | -0.049 | 38.836 | -0.152 | | | | |

IQ234

71.163 2/9/71 0600 PST 14724 VENTURA, L.A. 6TH FLOOR N78W

2613 POINTS 38.853 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC. G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.5136 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.081 | 0.010 | -0.081 | 0.018 | -0.080 | 0.032 | -0.080 | 2.273 | -0.023 | 2.287 | -0.002 | 2.307 | -0.001 | 2.323 | 0.000 | 2.337 | 0.001 | 2.360 | -0.002 |
| 0.040 | -0.080 | 0.051 | -0.100 | 0.057 | -0.120 | 0.065 | -0.079 | 2.402 | -0.180 | 2.414 | -0.200 | 2.432 | -0.219 | 2.450 | -0.218 | 2.461 | -0.177 | 2.471 | -0.135 |
| 0.077 | -0.058 | 0.089 | -0.037 | 0.097 | -0.077 | 0.111 | -0.077 | 2.461 | -0.177 | 2.471 | -0.135 | 2.485 | -0.032 | 2.495 | 0.070 | 2.513 | 0.071 | 2.531 | 0.072 |
| 0.121 | -0.057 | 0.135 | -0.096 | 0.150 | -0.096 | 0.164 | -0.054 | 2.513 | 0.071 | 2.531 | 0.072 | 2.543 | 0.052 | 2.558 | 0.053 | 2.574 | 0.054 | 2.582 | 0.013 |
| 0.174 | -0.054 | 0.184 | -0.074 | 0.196 | -0.114 | 0.212 | -0.114 | 2.574 | 0.054 | 2.582 | 0.013 | 2.598 | -0.006 | 2.614 | -0.087 | 2.624 | -0.168 | 2.640 | -0.229 |
| 0.230 | -0.093 | 0.244 | -0.072 | 0.261 | -0.050 | 0.273 | -0.070 | 2.624 | -0.168 | 2.640 | -0.229 | 2.651 | -0.167 | 2.663 | -0.085 | 2.671 | -0.083 | 2.683 | 0.039 |
| 0.285 | -0.090 | 0.295 | -0.110 | 0.309 | -0.110 | 0.327 | -0.130 | 2.671 | -0.083 | 2.683 | 0.039 | 2.693 | 0.080 | 2.701 | 0.163 | 2.719 | 0.123 | 2.733 | 0.082 |
| 0.347 | -0.088 | 0.364 | -0.046 | 0.374 | -0.066 | 0.386 | -0.086 | 2.719 | 0.123 | 2.733 | 0.082 | 2.754 | 0.042 | 2.766 | 0.022 | 2.780 | 0.042 | 2.796 | 0.022 |
| 0.396 | -0.106 | 0.412 | -0.085 | 0.426 | -0.043 | 0.442 | -0.063 | 2.780 | 0.042 | 2.796 | 0.022 | 2.808 | -0.019 | 2.818 | -0.080 | 2.834 | -0.325 | 2.844 | -0.468 |
| 0.451 | -0.082 | 0.459 | -0.143 | 0.477 | -0.101 | 0.489 | -0.100 | 2.834 | -0.325 | 2.844 | -0.468 | 2.853 | -0.325 | 2.865 | -0.222 | 2.875 | -0.018 | 2.897 | -0.018 |
| 0.503 | -0.099 | 0.515 | -0.098 | 0.529 | -0.036 | 0.539 | -0.097 | 2.875 | -0.018 | 2.897 | -0.018 | 2.937 | 0.269 | 2.947 | 0.351 | 2.962 | 0.331 | 2.978 | 0.311 |
| 0.549 | -0.117 | 0.560 | -0.075 | 0.578 | -0.053 | 0.594 | -0.032 | 2.962 | 0.331 | 2.978 | 0.311 | 2.992 | 0.229 | 3.004 | 0.127 | 3.014 | 0.004 | 3.024 | -0.179 |
| 0.612 | -0.051 | 0.624 | -0.091 | 0.634 | -0.131 | 0.648 | -0.151 | 3.014 | 0.004 | 3.024 | -0.179 | 3.032 | -0.241 | 3.048 | -0.302 | 3.071 | -0.342 | 3.083 | -0.281 |
| 0.657 | -0.191 | 0.671 | -0.129 | 0.683 | -0.108 | 0.703 | -0.086 | 3.071 | -0.342 | 3.083 | -0.281 | 3.097 | -0.179 | 3.105 | -0.076 | 3.113 | 0.026 | 3.125 | 0.145 |
| 0.715 | -0.065 | 0.729 | -0.044 | 0.747 | -0.001 | 0.758 | -0.081 | 3.113 | 0.026 | 3.125 | 0.145 | 3.147 | 0.126 | 3.166 | 0.107 | 3.182 | 0.086 | 3.196 | 0.045 |
| 0.776 | 0.062 | 0.794 | 0.001 | 0.810 | -0.018 | 0.824 | -0.038 | 3.182 | 0.086 | 3.196 | 0.045 | 3.208 | -0.037 | 3.222 | -0.120 | 3.232 | -0.222 | 3.248 | -0.203 |
| 0.840 | -0.180 | 0.855 | -0.138 | 0.869 | -0.117 | 0.883 | -0.117 | 3.232 | -0.222 | 3.248 | -0.203 | 3.269 | -0.203 | 3.283 | -0.162 | 3.293 | -0.142 | 3.311 | -0.081 |
| 0.897 | -0.010 | 0.917 | -0.135 | 0.933 | -0.053 | 0.945 | -0.009 | 3.293 | -0.142 | 3.311 | -0.081 | 3.327 | -0.081 | 3.349 | -0.123 | 3.360 | -0.021 | 3.384 | 0.122 |
| 1.022 | -0.007 | 1.036 | -0.047 | 1.048 | -0.026 | 1.063 | -0.087 | 3.360 | -0.021 | 3.384 | 0.122 | 3.406 | 0.203 | 3.430 | 0.120 | 3.446 | -0.023 | 3.477 | 0.078 |
| 1.079 | -0.147 | 1.093 | -0.106 | 1.105 | -0.084 | 1.119 | -0.063 | 3.446 | -0.023 | 3.477 | 0.078 | 3.517 | -0.066 | 3.543 | -0.188 | 3.558 | -0.229 | 3.574 | -0.250 |
| 1.139 | -0.021 | 1.158 | -0.041 | 1.170 | -0.081 | 1.188 | -0.019 | 3.558 | -0.229 | 3.574 | -0.250 | 3.638 | -0.127 | 3.653 | -0.004 | 3.662 | -0.127 | 3.673 | 0.118 |
| 1.206 | 0.003 | 1.228 | 0.046 | 1.236 | -0.015 | 1.253 | -0.075 | 3.662 | -0.127 | 3.673 | 0.118 | 3.715 | 0.016 | 3.731 | 0.118 | 3.747 | 0.159 | 3.758 | 0.220 |
| 1.267 | -0.135 | 1.283 | -0.174 | 1.299 | -0.214 | 1.311 | -0.131 | 3.747 | 0.159 | 3.758 | 0.220 | 3.828 | -0.148 | 3.844 | -0.066 | 3.865 | -0.167 | 3.887 | -0.168 |
| 1.323 | -0.069 | 1.337 | -0.014 | 1.354 | 0.077 | 1.372 | -0.119 | 3.865 | -0.167 | 3.887 | -0.168 | 3.929 | -0.270 | 3.943 | -0.146 | 3.964 | 0.042 | 3.982 | 0.122 |
| 1.384 | 0.038 | 1.394 | 0.022 | 1.418 | -0.061 | 1.432 | -0.080 | 3.964 | 0.042 | 3.982 | 0.122 | 4.018 | -0.035 | 4.030 | 0.063 | 4.048 | -0.042 | 4.069 | -0.015 |
| 1.450 | -0.120 | 1.465 | -0.159 | 1.477 | -0.179 | 1.495 | -0.198 | 4.048 | -0.042 | 4.069 | -0.015 | 4.121 | -0.072 | 4.141 | -0.071 | 4.158 | -0.050 | 4.170 | -0.003 |
| 1.513 | -0.196 | 1.521 | -0.196 | 1.537 | -0.154 | 1.547 | -0.030 | 4.158 | -0.050 | 4.170 | -0.003 | 4.224 | -0.108 | 4.236 | -0.189 | 4.251 | -0.065 | 4.267 | -0.084 |
| 1.560 | 0.032 | 1.576 | 0.095 | 1.594 | 0.096 | 1.610 | 0.077 | 4.224 | -0.108 | 4.236 | -0.189 | 4.277 | -0.186 | 4.291 | -0.287 | 4.317 | -0.002 | 4.345 | -0.099 |
| 1.624 | 0.017 | 1.636 | -0.105 | 1.659 | -0.082 | 1.679 | -0.101 | 4.267 | -0.084 | 4.291 | -0.287 | 4.331 | -0.042 | 4.362 | -0.097 | 4.380 | -0.034 | 4.404 | 0.050 |
| 1.695 | -0.223 | 1.715 | -0.221 | 1.729 | -0.220 | 1.750 | -0.096 | 4.317 | -0.002 | 4.345 | -0.099 | 4.392 | 0.028 | 4.412 | 0.112 | 4.422 | 0.112 | 4.444 | -0.029 |
| 1.768 | 0.008 | 1.786 | -0.011 | 1.806 | 0.011 | 1.820 | 0.012 | 4.422 | 0.112 | 4.444 | -0.029 | 4.459 | -0.089 | 4.479 | -0.089 | 4.495 | -0.157 | 4.509 | -0.071 |
| 1.836 | 0.013 | 1.853 | 0.117 | 1.869 | 0.037 | 1.885 | -0.064 | 4.495 | -0.157 | 4.509 | -0.071 | 4.521 | -0.065 | 4.531 | -0.065 | 4.541 | -0.065 | 4.551 | -0.065 |
| 1.899 | -0.162 | 1.911 | -0.205 | 1.927 | -0.245 | 1.941 | -0.244 | 4.521 | -0.065 | 4.531 | -0.065 | 4.541 | -0.065 | 4.551 | -0.065 | 4.561 | -0.065 | 4.571 | -0.065 |
| 1.956 | -0.162 | 1.970 | -0.059 | 1.980 | 0.003 | 1.994 | 0.065 | 4.561 | -0.065 | 4.571 | -0.065 | 4.581 | -0.065 | 4.591 | -0.065 | 4.601 | -0.065 | 4.611 | -0.065 |
| 2.012 | 0.086 | 2.026 | 0.128 | 2.042 | 0.129 | 2.053 | 0.048 | 4.601 | -0.065 | 4.611 | -0.065 | 4.621 | -0.065 | 4.631 | -0.065 | 4.641 | -0.065 | 4.651 | -0.065 |
| 2.065 | 0.028 | 2.073 | -0.013 | 2.085 | -0.094 | 2.101 | -0.216 | 4.621 | -0.065 | 4.631 | -0.065 | 4.641 | -0.065 | 4.651 | -0.065 | 4.661 | -0.065 | 4.671 | -0.065 |
| 2.115 | -0.194 | 2.127 | -0.194 | 2.147 | -0.193 | 2.160 | -0.253 | 4.651 | -0.065 | 4.661 | -0.065 | 4.671 | -0.065 | 4.681 | -0.065 | 4.691 | -0.065 | 4.701 | -0.065 |
| 2.178 | -0.171 | 2.184 | -0.068 | 2.200 | -0.027 | 2.212 | 0.036 | 4.681 | -0.065 | 4.691 | -0.065 | 4.701 | -0.065 | 4.711 | -0.065 | 4.721 | -0.065 | 4.731 | -0.065 |
| 2.226 | 0.179 | 2.240 | 0.078 | 2.246 | 0.037 | 2.259 | -0.085 | 4.711 | -0.065 | 4.721 | -0.065 | 4.731 | -0.065 | 4.741 | -0.065 | 4.751 | -0.065 | 4.761 | -0.065 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4.475 | -0.108 | 4.485 | -0.250 | 4.499 | -0.167 | 4.513 | -0.104 | 7.147 | -0.499 | 7.162 | -1.213 | 7.182 | -1.805 | 7.194 | -1.478 |
| 4.531 | -0.144 | 4.545 | -0.183 | 4.560 | -0.120 | 4.570 | -0.098 | 7.210 | -1.089 | 7.224 | -0.818 | 7.240 | -0.147 | 7.255 | -0.589 |
| 4.584 | -0.016 | 4.598 | 0.087 | 4.612 | 0.211 | 4.626 | 0.172 | 7.269 | 0.050 | 7.289 | 0.897 | 7.309 | 1.000 | 7.321 | 1.041 |
| 4.640 | 0.112 | 4.657 | 0.134 | 4.673 | 0.094 | 4.681 | 0.054 | 7.335 | 0.940 | 7.339 | 0.224 | 7.356 | -0.654 | 7.366 | -1.267 |
| 4.689 | 0.068 | 4.705 | -0.250 | 4.713 | -0.373 | 4.721 | -0.474 | 7.380 | -1.573 | 7.390 | -1.286 | 7.400 | -0.571 | 7.412 | -0.162 |
| 4.733 | -0.351 | 4.739 | -0.228 | 4.749 | -0.146 | 4.758 | -0.044 | 7.432 | 0.371 | 7.446 | 0.208 | 7.455 | -0.017 | 7.471 | -0.406 |
| 4.772 | -0.105 | 4.784 | -0.124 | 4.798 | -0.042 | 4.810 | 0.101 | 7.483 | -0.220 | 7.493 | 0.108 | 7.507 | 0.558 | 7.523 | 0.803 |
| 4.822 | 0.347 | 4.834 | 0.654 | 4.842 | 0.838 | 4.861 | 0.798 | 7.537 | 1.027 | 7.550 | 0.925 | 7.570 | 0.618 | 7.578 | 0.168 |
| 4.887 | 0.840 | 4.887 | 0.901 | 4.903 | 0.841 | 4.911 | 0.637 | 7.588 | -0.425 | 7.606 | -0.936 | 7.616 | -1.181 | 7.630 | -1.222 |
| 4.919 | 0.310 | 4.927 | -0.017 | 4.935 | -0.364 | 4.943 | -0.670 | 7.644 | -1.325 | 7.657 | -1.468 | 7.669 | -1.673 | 7.681 | -1.530 |
| 4.950 | -0.997 | 4.966 | -0.996 | 4.974 | -1.017 | 4.988 | -0.914 | 7.689 | -1.366 | 7.705 | -0.671 | 7.717 | 0.678 | 7.729 | 0.861 |
| 4.998 | -0.770 | 5.014 | -0.504 | 5.022 | -0.101 | 5.030 | 0.069 | 7.737 | 1.127 | 7.752 | 0.270 | 7.766 | 1.495 | 7.780 | 1.433 |
| 5.040 | 0.274 | 5.046 | 0.519 | 5.053 | 0.806 | 5.063 | 1.072 | 7.796 | 1.268 | 7.808 | 0.856 | 7.824 | 0.165 | 7.836 | -0.305 |
| 5.077 | 1.174 | 5.087 | 1.093 | 5.101 | 0.828 | 5.117 | 0.501 | 7.850 | -0.878 | 7.871 | -1.001 | 7.881 | -1.164 | 7.897 | -1.389 |
| 5.125 | 0.031 | 5.133 | -0.276 | 5.141 | -0.439 | 5.147 | -0.787 | 7.911 | -1.819 | 7.929 | -1.534 | 7.941 | -0.737 | 7.952 | 0.059 |
| 5.156 | -1.053 | 5.162 | -1.175 | 5.172 | -1.360 | 5.184 | -1.339 | 7.960 | 0.345 | 7.970 | 0.631 | 7.982 | 0.916 | 7.992 | 1.222 |
| 5.196 | -1.258 | 5.208 | -1.156 | 5.222 | -0.931 | 5.228 | -0.665 | 8.006 | 1.590 | 8.014 | 1.937 | 8.028 | 2.263 | 8.042 | 2.017 |
| 5.238 | -0.236 | 5.244 | 0.316 | 5.253 | 0.520 | 5.265 | 0.847 | 8.053 | 1.076 | 8.069 | 0.176 | 8.081 | -0.438 | 8.101 | -0.562 |
| 5.271 | 0.969 | 5.275 | 1.174 | 5.289 | 1.296 | 5.301 | 1.255 | 8.113 | -0.808 | 8.127 | -1.176 | 8.139 | -1.565 | 8.152 | -1.729 |
| 5.315 | 1.112 | 5.323 | 0.846 | 5.333 | 0.580 | 5.343 | 0.376 | 8.162 | -1.669 | 8.180 | -1.179 | 8.186 | -0.668 | 8.198 | -0.280 |
| 5.362 | 0.314 | 5.372 | 0.130 | 5.382 | -0.156 | 5.394 | -0.340 | 8.208 | 0.210 | 8.220 | 0.536 | 8.230 | 0.638 | 8.244 | 0.780 |
| 5.408 | -0.361 | 5.418 | -0.279 | 5.426 | -0.218 | 5.444 | -0.300 | 8.257 | 0.902 | 8.267 | 1.106 | 8.277 | 1.617 | 8.287 | 2.004 |
| 5.451 | -0.545 | 5.465 | -1.036 | 5.479 | -1.507 | 5.487 | -1.588 | 8.303 | 1.717 | 8.319 | 1.145 | 8.335 | 0.776 | 8.347 | 0.326 |
| 5.503 | -1.691 | 5.515 | -1.793 | 5.529 | -1.630 | 5.539 | -1.446 | 8.362 | -0.043 | 8.378 | -0.473 | 8.390 | -0.861 | 8.402 | -1.148 |
| 5.547 | -1.079 | 5.560 | -0.425 | 5.568 | 0.331 | 5.576 | 0.924 | 8.420 | -0.983 | 8.438 | -0.557 | 8.438 | -0.557 | 8.446 | -0.414 |
| 5.592 | 1.680 | 5.602 | 2.252 | 5.608 | 2.456 | 5.616 | 2.333 | 8.459 | -0.169 | 8.471 | -0.006 | 8.487 | -0.068 | 8.501 | -0.130 |
| 5.630 | 1.801 | 5.640 | 0.922 | 5.653 | -0.182 | 5.671 | -0.632 | 8.509 | 0.054 | 8.525 | 0.278 | 8.539 | 0.564 | 8.556 | 0.400 |
| 5.687 | -1.144 | 5.701 | -1.471 | 5.719 | -1.819 | 5.733 | -1.635 | 8.570 | 0.297 | 8.588 | 0.174 | 8.602 | 0.030 | 8.626 | 0.509 |
| 5.745 | -1.206 | 5.758 | -0.491 | 5.772 | 0.694 | 5.780 | 1.062 | 8.651 | -0.115 | 8.665 | -0.524 | 8.683 | -1.179 | 8.705 | -0.507 |
| 5.788 | 1.266 | 5.798 | 1.409 | 5.806 | 1.613 | 5.814 | 1.837 | 8.719 | -1.344 | 8.729 | -1.100 | 8.745 | -0.876 | 8.756 | -0.610 |
| 5.824 | 2.103 | 5.840 | 1.959 | 5.853 | 1.550 | 5.869 | 0.630 | 8.768 | -0.243 | 8.782 | 0.083 | 8.792 | 0.348 | 8.806 | 0.634 |
| 5.879 | 0.017 | 5.895 | -1.129 | 5.909 | -1.803 | 5.931 | -1.701 | 8.822 | 0.797 | 8.838 | 0.980 | 8.853 | 0.795 | 8.865 | 0.508 |
| 5.941 | -1.558 | 5.958 | -1.415 | 5.970 | -0.924 | 5.980 | -0.311 | 8.881 | 0.058 | 8.901 | 0.477 | 8.913 | 0.158 | 8.927 | -0.006 |
| 5.996 | 0.588 | 6.010 | 0.874 | 6.026 | 1.079 | 6.044 | 1.202 | 8.941 | -0.150 | 8.954 | -0.273 | 8.970 | -0.417 | 8.980 | -0.274 |
| 6.059 | 0.997 | 6.073 | 0.752 | 6.089 | 0.568 | 6.101 | 0.384 | 8.990 | -0.193 | 9.014 | -0.215 | 9.038 | -0.298 | 9.057 | -0.197 |
| 6.113 | 0.098 | 6.123 | -0.086 | 6.139 | -0.209 | 6.152 | -0.372 | 9.067 | 0.069 | 9.079 | 0.293 | 9.089 | 0.722 | 9.101 | 0.905 |
| 6.162 | -0.516 | 6.176 | -0.679 | 6.184 | -0.720 | 6.194 | -0.863 | 9.121 | 0.862 | 9.143 | 0.657 | 9.158 | 0.553 | 9.172 | 0.164 |
| 6.204 | -1.006 | 6.220 | -0.843 | 6.232 | -0.516 | 6.240 | -0.311 | 9.188 | -0.390 | 9.202 | -0.943 | 9.220 | -1.455 | 9.234 | -1.722 |
| 6.250 | 0.057 | 6.261 | 0.323 | 6.275 | 0.425 | 6.295 | 0.384 | 9.246 | -1.477 | 9.259 | -1.172 | 9.275 | -0.785 | 9.289 | -0.540 |
| 6.307 | 0.302 | 6.321 | 0.098 | 6.339 | -0.044 | 6.352 | -0.228 | 9.301 | 0.031 | 9.315 | 0.684 | 9.325 | 1.460 | 9.341 | 2.338 |
| 6.362 | -0.718 | 6.378 | -1.269 | 6.388 | -1.739 | 6.406 | -1.820 | 9.426 | 0.348 | 9.444 | -0.287 | 9.457 | -0.799 | 9.479 | -1.475 |
| 6.422 | -1.574 | 6.432 | -1.206 | 6.442 | -0.899 | 6.455 | -0.449 | 9.493 | -1.496 | 9.507 | -1.006 | 9.521 | -0.721 | 9.535 | -0.313 |
| 6.465 | 0.288 | 6.477 | 0.738 | 6.483 | 1.045 | 6.491 | 1.209 | 9.545 | 0.014 | 9.554 | 0.177 | 9.572 | 0.258 | 9.588 | 0.687 |
| 6.505 | 1.454 | 6.519 | 1.332 | 6.531 | 1.128 | 6.543 | 0.943 | 9.598 | 1.014 | 9.608 | 1.238 | 9.624 | 1.156 | 9.640 | 0.808 |
| 6.558 | 0.516 | 6.574 | -0.137 | 6.586 | -0.771 | 6.600 | -1.077 | 9.648 | 0.501 | 9.661 | 0.071 | 9.671 | -0.195 | 9.687 | -0.462 |
| 6.614 | -0.574 | 6.624 | -0.769 | 6.634 | -0.462 | 6.646 | -0.359 | 9.703 | -0.401 | 9.713 | -0.519 | 9.733 | -0.402 | 9.741 | -0.504 |
| 6.655 | -0.461 | 6.671 | -1.013 | 6.687 | -1.564 | 6.701 | -1.768 | 9.752 | -0.548 | 9.768 | -0.751 | 9.784 | -0.894 | 9.800 | -0.772 |
| 6.707 | -1.604 | 6.719 | -1.276 | 6.729 | -0.744 | 6.741 | -0.299 | 9.814 | -0.323 | 9.830 | 0.003 | 9.840 | 0.412 | 9.867 | 1.126 |
| 6.750 | 0.626 | 6.758 | 0.811 | 6.774 | 0.709 | 6.786 | 0.608 | 9.881 | 1.269 | 9.895 | 1.084 | 9.907 | 0.859 | 9.917 | 0.777 |
| 6.792 | 0.772 | 6.804 | 0.956 | 6.818 | 1.100 | 6.828 | 1.407 | 9.932 | 0.633 | 9.946 | -1.474 | 9.958 | -0.287 | 9.970 | -0.819 |
| 6.842 | 1.265 | 6.855 | 0.897 | 6.873 | 0.164 | 6.883 | -0.164 | 9.982 | -1.187 | 9.996 | -1.474 | 10.006 | -1.760 | 10.020 | -1.965 |
| 6.899 | -0.409 | 6.913 | -0.674 | 6.925 | -0.898 | 6.937 | -1.020 | 10.026 | -1.822 | 10.038 | -1.597 | 10.050 | -1.291 | 10.057 | -1.046 |
| 6.947 | -0.958 | 6.960 | -0.896 | 6.980 | -0.813 | 6.986 | -0.608 | 10.069 | -0.781 | 10.081 | -0.270 | 10.097 | 0.241 | 10.113 | 0.645 |
| 7.000 | -0.240 | 7.010 | 0.292 | 7.026 | 0.640 | 7.032 | 1.356 | 10.125 | 1.058 | 10.131 | 1.241 | 10.152 | 1.241 | 10.164 | 1.241 |
| 7.044 | 1.725 | 7.055 | 1.603 | 7.067 | 1.378 | 7.083 | 1.154 | 10.178 | 1.261 | 10.194 | 1.056 | 10.212 | 0.115 | 10.226 | -0.539 |
| 7.099 | 1.196 | 7.113 | 1.054 | 7.127 | 0.748 | 7.137 | 0.033 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.244 | -1.051 | 10.255 | -1.235 | 10.265 | -1.092 | 10.275 | -0.990 | 13.622 | 0.466 | 13.638 | 0.424 | 13.650 | 0.199 | 13.665 | 0.096 |
| 10.287 | -0.827 | 10.303 | -0.890 | 10.321 | -1.116 | 10.335 | -1.259 | 13.685 | -0.048 | 13.713 | -0.028 | 13.729 | -0.090 | 13.747 | -0.234 |
| 10.347 | -1.392 | 10.362 | -0.893 | 10.374 | -0.690 | 10.390 | -0.527 | 13.758 | -0.296 | 13.776 | -0.174 | 13.794 | -0.093 | 13.812 | -0.029 |
| 10.402 | -0.160 | 10.412 | -0.187 | 10.422 | -0.472 | 10.432 | -0.534 | 13.828 | -0.396 | 13.844 | -0.396 | 13.859 | -0.457 | 13.871 | -0.702 |
| 10.457 | 0.593 | 10.471 | 0.837 | 10.483 | 1.082 | 10.497 | 1.163 | 13.893 | 0.762 | 13.911 | 0.761 | 13.933 | 0.841 | 13.950 | 0.941 |
| 10.513 | 1.346 | 10.535 | 1.201 | 10.550 | 0.934 | 10.572 | 0.013 | 13.970 | 0.879 | 13.986 | 0.755 | 13.998 | 0.529 | 14.008 | 0.365 |
| 10.596 | -0.929 | 10.610 | -1.543 | 10.630 | -1.912 | 10.644 | -1.708 | 14.020 | 0.200 | 14.036 | 0.199 | 14.053 | 0.218 | 14.067 | 0.237 |
| 10.661 | -1.076 | 10.675 | -0.293 | 10.689 | 1.028 | 10.701 | 1.314 | 14.083 | 0.258 | 14.093 | 0.460 | 14.107 | 0.684 | 14.121 | 0.866 |
| 10.715 | 1.640 | 10.729 | 1.845 | 10.747 | 1.987 | 10.764 | 1.844 | 14.139 | 0.927 | 14.154 | 0.946 | 14.172 | 0.944 | 14.186 | 0.846 |
| 10.770 | 1.230 | 10.782 | 0.187 | 10.812 | -1.571 | 10.828 | -2.123 | 14.196 | 0.596 | 14.210 | 0.349 | 14.224 | 0.040 | 14.236 | -0.246 |
| 10.846 | -2.778 | 10.861 | -0.594 | 10.877 | -1.961 | 10.891 | -1.328 | 14.255 | -0.492 | 14.269 | -0.157 | 14.289 | -0.658 | 14.303 | -0.475 |
| 10.917 | 0.205 | 10.939 | 1.431 | 10.952 | 2.636 | 10.966 | 2.881 | 14.321 | -0.292 | 14.329 | -0.149 | 14.345 | -0.027 | 14.362 | -0.069 |
| 10.984 | 2.738 | 11.002 | 2.124 | 11.020 | 1.510 | 11.040 | 0.651 | 14.390 | -0.049 | 14.408 | 0.093 | 14.428 | 0.031 | 14.445 | -0.113 |
| 11.059 | -1.209 | 11.075 | -2.232 | 11.089 | -2.784 | 11.099 | -2.437 | 14.469 | -0.236 | 14.481 | -0.319 | 14.495 | -0.503 | 14.511 | -0.524 |
| 11.117 | -1.680 | 11.133 | -0.862 | 11.141 | -0.576 | 11.154 | -0.453 | 14.529 | -0.525 | 14.554 | -0.546 | 14.566 | -0.588 | 14.580 | -0.711 |
| 11.168 | -0.044 | 11.176 | 0.141 | 11.190 | 0.427 | 11.202 | 0.959 | 14.606 | -0.630 | 14.628 | -0.570 | 14.646 | -0.529 | 14.667 | -0.428 |
| 11.214 | 1.164 | 11.234 | 1.082 | 11.250 | 1.308 | 11.317 | 1.328 | 14.679 | -0.388 | 14.699 | -0.265 | 14.717 | -0.449 | 14.733 | -0.715 |
| 11.277 | -0.450 | 11.287 | -0.858 | 11.299 | -1.308 | 11.317 | -1.328 | 14.747 | -0.817 | 14.764 | -0.981 | 14.782 | -0.899 | 14.804 | -0.878 |
| 11.329 | -1.184 | 11.341 | -0.877 | 11.352 | -0.754 | 11.364 | -0.366 | 14.826 | -0.787 | 14.844 | -0.674 | 14.859 | -0.551 | 14.875 | -0.429 |
| 11.380 | -0.427 | 11.392 | -0.569 | 11.412 | -0.405 | 11.424 | 0.004 | 14.889 | -0.286 | 14.909 | -0.347 | 14.933 | -0.449 | 14.947 | -0.367 |
| 11.436 | 0.331 | 11.451 | 0.536 | 11.467 | 0.434 | 11.479 | 0.251 | 14.964 | -0.224 | 14.980 | -0.122 | 15.000 | 0.041 | 15.020 | 0.041 |
| 11.493 | 0.006 | 11.511 | -0.179 | 11.531 | -0.140 | 11.547 | 0.002 | 15.042 | 0.041 | 15.059 | 0.041 | 15.079 | 0.144 | 15.097 | 0.327 |
| 11.562 | -0.101 | 11.576 | -0.511 | 11.588 | -0.757 | 11.602 | -0.921 | 15.113 | 0.389 | 15.131 | 0.347 | 15.139 | 0.286 | 15.150 | 0.204 |
| 11.618 | -1.024 | 11.634 | -1.128 | 11.653 | -1.068 | 11.673 | -0.885 | 15.154 | 0.102 | 15.174 | 0.102 | 15.188 | 0.142 | 15.202 | 0.122 |
| 11.685 | -0.518 | 11.699 | -0.192 | 11.709 | -0.029 | 11.731 | 0.092 | 15.244 | 0.060 | 15.253 | -0.124 | 15.253 | -0.267 | 15.268 | -0.288 |
| 11.745 | 0.194 | 11.754 | 0.275 | 11.768 | 0.438 | 11.788 | 0.538 | 15.291 | -0.309 | 15.311 | -0.350 | 15.333 | -0.371 | 15.345 | -0.260 |
| 11.802 | 0.681 | 11.818 | 0.516 | 11.832 | 0.270 | 11.844 | -0.037 | 15.352 | -0.125 | 15.364 | -0.023 | 15.382 | 0.038 | 15.406 | 0.037 |
| 11.857 | -0.222 | 11.873 | -0.182 | 11.889 | -0.102 | 11.905 | 0.019 | 15.444 | 0.037 | 15.466 | 0.037 | 15.459 | -0.025 | 15.477 | -0.066 |
| 11.915 | 0.079 | 11.931 | 0.008 | 11.943 | 0.273 | 11.958 | -0.459 | 15.493 | 0.168 | 15.508 | -0.250 | 15.523 | -0.333 | 15.533 | -0.394 |
| 11.972 | -0.359 | 11.982 | 0.058 | 11.994 | 0.293 | 12.000 | 0.331 | 15.543 | -0.455 | 15.558 | -0.578 | 15.570 | -0.517 | 15.580 | -0.415 |
| 12.024 | 0.329 | 12.038 | 0.450 | 12.053 | 0.305 | 12.067 | 0.119 | 15.594 | -0.292 | 15.610 | -0.190 | 15.626 | -0.129 | 15.642 | -0.047 |
| 12.091 | 0.177 | 12.111 | 0.256 | 12.131 | 0.375 | 12.143 | 0.231 | 15.657 | 0.136 | 15.667 | 0.218 | 15.681 | 0.300 | 15.689 | 0.218 |
| 12.164 | 0.146 | 12.188 | 0.102 | 12.204 | 0.099 | 12.220 | -0.066 | 15.701 | 0.136 | 15.709 | 0.013 | 15.723 | -0.192 | 15.737 | -0.314 |
| 12.232 | -0.375 | 12.246 | -0.622 | 12.259 | -0.787 | 12.273 | 0.002 | 15.752 | -0.315 | 15.778 | -0.335 | 15.796 | -0.479 | 15.810 | -0.642 |
| 12.291 | -0.403 | 12.309 | -0.404 | 12.325 | -0.222 | 12.337 | 0.002 | 15.826 | -0.724 | 15.836 | -0.663 | 15.859 | -0.582 | 15.877 | -0.521 |
| 12.347 | 0.247 | 12.360 | 0.450 | 12.372 | 0.633 | 12.388 | 0.612 | 15.899 | -0.520 | 15.913 | -0.418 | 15.929 | -0.254 | 15.941 | -0.012 |
| 12.402 | 0.406 | 12.412 | 0.181 | 12.426 | -0.086 | 12.436 | -0.251 | 15.950 | 0.216 | 15.968 | 0.300 | 15.984 | 0.441 | 16.002 | 0.503 |
| 12.446 | -0.476 | 12.459 | -0.641 | 12.467 | -0.805 | 12.485 | -0.949 | 16.018 | 0.585 | 16.028 | 0.565 | 16.034 | 0.503 | 16.048 | 0.503 |
| 12.497 | -0.950 | 12.511 | -0.767 | 12.525 | -0.544 | 12.545 | -0.463 | 16.053 | 0.422 | 16.061 | 0.295 | 16.077 | 0.218 | 16.089 | -0.177 |
| 12.560 | -0.137 | 12.570 | 0.209 | 12.584 | 0.576 | 12.596 | 0.800 | 16.103 | 0.095 | 16.119 | 0.034 | 16.139 | -0.027 | 16.150 | -0.006 |
| 12.606 | 0.963 | 12.612 | 0.901 | 12.628 | 0.614 | 12.650 | 0.449 | 16.166 | 0.056 | 16.176 | 0.178 | 16.184 | 0.321 | 16.196 | 0.464 |
| 12.665 | 0.345 | 12.679 | 0.201 | 12.691 | -0.168 | 12.703 | -0.475 | 16.206 | 0.587 | 16.214 | 0.649 | 16.228 | 0.751 | 16.238 | 0.833 |
| 12.715 | -0.843 | 12.727 | -0.966 | 12.741 | -0.803 | 12.752 | -0.558 | 16.259 | 0.833 | 16.267 | 0.772 | 16.279 | 0.711 | 16.293 | 0.650 |
| 12.768 | -0.252 | 12.792 | -0.171 | 12.810 | -0.130 | 12.820 | 0.033 | 16.305 | 0.589 | 16.317 | 0.569 | 16.327 | 0.568 | 16.343 | 0.427 |
| 12.830 | 0.278 | 12.838 | 0.482 | 12.848 | 0.646 | 12.857 | 0.748 | 16.358 | 0.387 | 16.374 | 0.387 | 16.388 | 0.429 | 16.406 | 0.429 |
| 12.871 | 0.768 | 12.887 | 0.604 | 12.901 | 0.481 | 12.921 | 0.460 | 16.426 | 0.512 | 16.438 | 0.594 | 16.451 | 0.738 | 16.459 | 0.799 |
| 12.937 | 0.337 | 12.949 | 0.173 | 12.966 | 0.009 | 12.984 | -0.032 | 16.483 | 0.800 | 16.501 | 0.678 | 16.517 | 0.556 | 16.531 | 0.393 |
| 13.000 | -0.176 | 13.014 | -0.013 | 13.028 | 0.048 | 13.046 | 0.170 | 16.547 | 0.230 | 16.564 | 0.047 | 16.576 | -0.137 | 16.588 | -0.238 |
| 13.059 | 0.109 | 13.083 | 0.129 | 13.103 | 0.149 | 13.109 | 0.271 | 16.602 | 0.279 | 16.624 | 0.237 | 16.649 | 0.236 | 16.661 | -0.173 |
| 13.119 | 0.373 | 13.127 | 0.516 | 13.141 | 0.332 | 13.154 | 0.250 | 16.703 | -0.091 | 16.721 | -0.049 | 16.741 | -0.008 | 16.768 | 0.014 |
| 13.166 | -0.057 | 13.190 | 0.066 | 13.210 | 0.290 | 13.234 | 0.229 | 16.782 | -0.047 | 16.798 | -0.210 | 16.818 | -0.225 | 16.840 | -0.331 |
| 13.250 | 0.167 | 13.269 | 0.208 | 13.281 | 0.330 | 13.313 | 0.207 | 16.857 | -0.412 | 16.873 | -0.513 | 16.891 | -0.595 | 16.911 | -0.492 |
| 13.331 | -0.059 | 13.347 | -0.345 | 13.362 | -0.611 | 13.386 | -0.591 | 16.927 | -0.368 | 16.949 | -0.408 | 16.974 | -0.510 | 16.998 | -0.447 |
| 13.404 | -0.591 | 13.422 | -0.530 | 13.444 | -0.530 | 13.463 | -0.571 | 17.014 | -0.385 | 17.034 | -0.446 | 17.055 | -0.547 | 17.067 | -0.486 |
| 13.487 | -0.429 | 13.503 | -0.184 | 13.517 | 0.081 | 13.527 | 0.326 | 17.083 | -0.383 | 17.093 | -0.158 | 17.109 | -0.076 | 17.119 | -0.027 |
| 13.539 | -0.489 | 13.554 | 0.427 | 13.578 | 0.447 | 13.602 | 0.487 | 17.135 | 0.109 | 17.150 | 0.150 | 17.164 | 0.272 | 17.186 | 0.232 |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 17.202 | 0.212 | 17.226 | 0.130 | 17.236 | 0.028 | 17.255 | -0.074 | 20.788 | 0.629 | 20.806 | 0.569 | 20.822 | 0.550 | 20.834 | 0.510 |
| 17.275 | -0.053 | 17.297 | -0.034 | 17.317 | 0.009 | 17.341 | 0.070 | 20.851 | 0.450 | 20.863 | 0.390 | 20.873 | 0.373 | 20.885 | 0.188 |
| 17.358 | 0.173 | 17.366 | 0.234 | 17.378 | 0.336 | 17.394 | 0.337 | 20.901 | 0.087 | 20.919 | 0.170 | 20.929 | 0.273 | 20.941 | 0.336 |
| 17.410 | 0.316 | 17.428 | 0.317 | 17.448 | 0.358 | 17.465 | 0.276 | 20.952 | 0.439 | 20.964 | 0.603 | 20.988 | 0.606 | 21.006 | 0.607 |
| 17.479 | 0.193 | 17.495 | 0.113 | 17.511 | -0.030 | 17.531 | 0.011 | 21.022 | 0.609 | 21.039 | 0.589 | 21.051 | 0.488 | 21.069 | 0.306 |
| 17.545 | 0.093 | 17.560 | 0.215 | 17.574 | 0.338 | 17.584 | 0.420 | 21.079 | 0.246 | 21.095 | 0.227 | 21.109 | 0.187 | 21.131 | 0.169 |
| 17.594 | 0.501 | 17.606 | 0.624 | 17.618 | 0.665 | 17.640 | 0.624 | 21.148 | 0.171 | 21.160 | 0.172 | 21.174 | 0.214 | 21.186 | 0.216 |
| 17.649 | 0.583 | 17.663 | 0.460 | 17.671 | 0.317 | 17.681 | 0.052 | 21.202 | 0.258 | 21.214 | 0.300 | 21.226 | 0.342 | 21.246 | 0.324 |
| 17.693 | -0.173 | 17.705 | -0.316 | 17.715 | -0.459 | 17.727 | -0.439 | 21.259 | 0.305 | 21.275 | 0.225 | 21.289 | 0.206 | 21.309 | 0.187 |
| 17.741 | -0.439 | 17.750 | -0.459 | 17.764 | -0.521 | 17.782 | -0.439 | 21.323 | 0.189 | 21.333 | 0.210 | 21.348 | 0.191 | 21.362 | 0.152 |
| 17.792 | -0.418 | 17.800 | -0.418 | 17.806 | -0.398 | 17.814 | -0.256 | 21.372 | 0.153 | 21.394 | 0.155 | 21.402 | 0.157 | 21.412 | 0.280 |
| 17.822 | -0.051 | 17.830 | 0.093 | 17.848 | 0.174 | 17.859 | 0.174 | 21.432 | 0.261 | 21.444 | 0.221 | 21.465 | 0.203 | 21.483 | 0.205 |
| 17.871 | 0.093 | 17.879 | 0.031 | 17.899 | -0.153 | 17.905 | -0.357 | 21.503 | 0.166 | 21.517 | 0.106 | 21.535 | 0.026 | 21.552 | -0.054 |
| 17.923 | -0.521 | 17.939 | -0.664 | 17.956 | -0.725 | 17.974 | -0.766 | 21.572 | -0.073 | 21.594 | -0.071 | 21.610 | -0.070 | 21.630 | -0.068 |
| 17.996 | -0.725 | 18.012 | -0.643 | 18.024 | -0.521 | 18.038 | -0.418 | 21.642 | -0.128 | 21.657 | -0.045 | 21.683 | -0.084 | 21.703 | -0.143 |
| 18.057 | -0.275 | 18.067 | -0.214 | 18.083 | -0.255 | 18.099 | -0.256 | 21.731 | -0.100 | 21.750 | -0.057 | 21.770 | -0.076 | 21.790 | -0.074 |
| 18.121 | -0.358 | 18.139 | -0.480 | 18.158 | -0.521 | 18.176 | -0.602 | 21.806 | -0.114 | 21.816 | -0.174 | 21.832 | -0.275 | 21.853 | -0.314 |
| 18.194 | -0.664 | 18.210 | -0.725 | 18.228 | -0.643 | 18.242 | -0.500 | 21.877 | -0.230 | 21.895 | -0.087 | 21.915 | -0.005 | 21.933 | 0.077 |
| 18.257 | -0.357 | 18.263 | -0.275 | 18.279 | -0.153 | 18.289 | -0.030 | 21.949 | 0.179 | 21.964 | 0.261 | 21.980 | 0.343 | 21.998 | 0.363 |
| 18.305 | 0.031 | 18.323 | -0.030 | 18.339 | -0.132 | 18.350 | -0.214 | 22.020 | 0.302 | 22.036 | 0.261 | 22.046 | 0.179 | 22.061 | 0.077 |
| 18.362 | -0.296 | 18.386 | -0.398 | 18.400 | -0.439 | 18.424 | -0.500 | 22.077 | -0.025 | 22.097 | -0.127 | 22.121 | -0.107 | 22.141 | -0.066 |
| 18.438 | -0.418 | 18.455 | -0.337 | 18.469 | -0.235 | 18.479 | -0.153 | 22.160 | 0.036 | 22.178 | 0.097 | 22.192 | 0.179 | 22.216 | 0.200 |
| 18.493 | -0.030 | 18.501 | 0.113 | 18.517 | 0.256 | 18.527 | 0.379 | 22.242 | 0.179 | 22.259 | 0.118 | 22.277 | 0.016 | 22.295 | -0.005 |
| 18.533 | 0.481 | 18.550 | 0.460 | 18.566 | 0.399 | 18.582 | 0.358 | 22.311 | -0.170 | 22.327 | -0.273 | 22.345 | -0.376 | 22.362 | -0.336 |
| 18.600 | 0.379 | 18.616 | 0.420 | 18.638 | 0.440 | 18.667 | 0.420 | 22.382 | -0.256 | 22.400 | -0.297 | 22.414 | -0.236 | 22.426 | -0.155 |
| 18.685 | 0.399 | 18.707 | 0.379 | 18.723 | 0.358 | 18.739 | 0.277 | 22.440 | -0.074 | 22.449 | 0.028 | 22.463 | 0.088 | 22.475 | 0.108 |
| 18.762 | 0.358 | 18.780 | 0.358 | 18.796 | 0.358 | 18.812 | 0.358 | 22.495 | 0.046 | 22.509 | 0.045 | 22.523 | 0.024 | 22.541 | 0.003 |
| 18.822 | 0.399 | 18.846 | 0.399 | 18.859 | 0.399 | 18.875 | 0.379 | 22.556 | -0.080 | 22.566 | -0.162 | 22.582 | -0.245 | 22.594 | -0.368 |
| 18.889 | 0.379 | 18.907 | 0.379 | 18.917 | 0.399 | 18.937 | 0.379 | 22.606 | -0.450 | 22.624 | -0.492 | 22.642 | -0.575 | 22.655 | -0.596 |
| 18.949 | 0.358 | 18.964 | 0.358 | 18.984 | 0.420 | 19.002 | 0.460 | 22.683 | -0.556 | 22.691 | -0.434 | 22.709 | -0.352 | 22.719 | -0.290 |
| 19.018 | 0.420 | 19.040 | 0.379 | 19.049 | 0.379 | 19.067 | 0.338 | 22.733 | -0.412 | 22.750 | -0.473 | 22.836 | -0.554 | 22.857 | -0.575 |
| 19.083 | 0.256 | 19.105 | 0.217 | 19.127 | 0.177 | 19.143 | 0.137 | 22.810 | -0.412 | 22.822 | -0.473 | 22.836 | -0.554 | 22.857 | -0.575 |
| 19.166 | 0.220 | 19.176 | 0.241 | 19.202 | 0.242 | 19.220 | 0.222 | 22.875 | -0.514 | 22.899 | -0.492 | 22.915 | -0.472 | 22.929 | -0.431 |
| 19.230 | 0.223 | 19.248 | 0.183 | 19.281 | 0.226 | 19.301 | 0.247 | 22.939 | -0.369 | 22.950 | -0.308 | 22.962 | -0.205 | 22.978 | -0.123 |
| 19.317 | 0.166 | 19.345 | 0.086 | 19.368 | 0.107 | 19.398 | 0.129 | 22.996 | -0.082 | 23.006 | -0.062 | 23.024 | -0.021 | 23.042 | -0.020 |
| 19.422 | 0.069 | 19.444 | -0.052 | 19.467 | -0.051 | 19.493 | -0.070 | 23.063 | 0.021 | 23.089 | 0.042 | 23.111 | 0.062 | 23.123 | 0.103 |
| 19.523 | -0.088 | 19.543 | -0.086 | 19.564 | -0.084 | 19.580 | -0.042 | 23.143 | 0.145 | 23.158 | 0.206 | 23.176 | 0.227 | 23.150 | 0.288 |
| 19.596 | 0.001 | 19.612 | 0.043 | 19.626 | 0.044 | 19.644 | 0.087 | 23.214 | 0.391 | 23.230 | 0.473 | 23.240 | 0.534 | 23.261 | 0.555 |
| 19.657 | 0.068 | 19.673 | 0.008 | 19.683 | -0.053 | 19.697 | -0.215 | 23.277 | 0.514 | 23.293 | 0.514 | 23.309 | 0.474 | 23.321 | 0.413 |
| 19.709 | -0.255 | 19.733 | -0.212 | 19.754 | -0.251 | 19.770 | -0.270 | 23.341 | 0.351 | 23.350 | 0.229 | 23.364 | 0.168 | 23.376 | 0.107 |
| 19.786 | -0.289 | 19.802 | -0.308 | 19.816 | -0.307 | 19.834 | -0.366 | 23.390 | 0.127 | 23.404 | 0.168 | 23.418 | 0.250 | 23.426 | 0.332 |
| 19.848 | -0.426 | 19.863 | -0.445 | 19.871 | -0.526 | 19.883 | -0.546 | 23.438 | 0.555 | 23.448 | 0.578 | 23.459 | 0.700 | 23.469 | 0.762 |
| 19.899 | -0.586 | 19.923 | -0.545 | 19.939 | -0.463 | 19.956 | -0.442 | 23.483 | 0.623 | 23.511 | 0.619 | 23.539 | 0.823 | 23.550 | 0.782 |
| 19.970 | -0.380 | 19.990 | -0.339 | 20.006 | -0.277 | 20.022 | -0.256 | 23.570 | 0.721 | 23.582 | 0.619 | 23.598 | 0.517 | 23.622 | 0.415 |
| 20.038 | -0.297 | 20.053 | -0.337 | 20.071 | -0.439 | 20.081 | -0.500 | 23.638 | 0.333 | 23.657 | 0.292 | 23.683 | 0.128 | 23.697 | 0.006 |
| 20.093 | -0.622 | 20.103 | -0.704 | 20.125 | -0.703 | 20.139 | -0.703 | 23.711 | -0.056 | 23.731 | -0.076 | 23.743 | -0.035 | 23.760 | 0.006 |
| 20.156 | -0.661 | 20.172 | -0.620 | 20.192 | -0.640 | 20.202 | -0.497 | 23.774 | 0.047 | 23.792 | 0.108 | 23.806 | 0.128 | 23.824 | 0.067 |
| 20.222 | -0.598 | 20.236 | -0.537 | 20.251 | -0.475 | 20.271 | -0.413 | 23.836 | 0.067 | 23.851 | 0.006 | 23.865 | -0.056 | 23.887 | -0.076 |
| 20.295 | -0.474 | 20.319 | -0.494 | 20.339 | -0.493 | 20.354 | -0.493 | 23.903 | -0.178 | 23.915 | -0.321 | 23.935 | -0.464 | 23.954 | -0.545 |
| 20.376 | -0.492 | 20.390 | -0.451 | 20.412 | -0.430 | 20.430 | -0.389 | 23.974 | -0.504 | 23.986 | -0.422 | 24.002 | -0.320 | 24.018 | -0.258 |
| 20.449 | -0.327 | 20.465 | -0.245 | 20.477 | -0.204 | 20.493 | -0.121 | 24.032 | -0.176 | 24.053 | -0.196 | 24.069 | -0.217 | 24.087 | -0.216 |
| 20.507 | -0.101 | 20.521 | -0.059 | 20.539 | -0.079 | 20.552 | -0.120 | 24.103 | -0.216 | 24.121 | -0.298 | 24.141 | -0.338 | 24.158 | -0.420 |
| 20.570 | -0.201 | 20.588 | -0.242 | 20.604 | -0.323 | 20.618 | -0.343 | 24.180 | -0.319 | 24.198 | -0.317 | 24.222 | -0.256 | 24.238 | -0.235 |
| 20.634 | -0.343 | 20.649 | -0.342 | 20.665 | -0.342 | 20.679 | -0.301 | 24.253 | -0.173 | 24.283 | -0.132 | 24.283 | -0.010 | 24.295 | -0.092 |
| 20.687 | -0.198 | 20.699 | -0.115 | 20.713 | 0.009 | 20.727 | 0.174 | 24.319 | 0.091 | 24.333 | 0.090 | 24.350 | 0.069 | 24.362 | 0.069 |
| 20.737 | 0.399 | 20.743 | 0.502 | 20.752 | 0.687 | 20.768 | 0.688 | 24.374 | 0.068 | 24.389 | 0.068 | 24.404 | 0.047 | 24.420 | 0.046 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 24.438 | 0.025 | 24.451 | 0.086 | 24.463 | 0.024 | 24.481 | 0.064 | 28.903 | 0.052 | 28.925 | 0.093 | 28.945 | 0.072 | 28.958 | 0.052 |
| 24.493 | 0.146 | 24.507 | 0.309 | 24.527 | 0.308 | 24.554 | 0.286 | 28.968 | 0.011 | 28.982 | -0.033 | 28.992 | -0.071 | 29.014 | -0.153 |
| 24.572 | 0.306 | 24.586 | 0.347 | 24.608 | 0.325 | 24.624 | 0.243 | 29.030 | -0.214 | 29.046 | -0.214 | 29.063 | -0.214 | 29.077 | -0.214 |
| 24.649 | 0.201 | 24.671 | 0.200 | 24.691 | 0.199 | 24.711 | 0.198 | 29.087 | -0.073 | 29.099 | -0.050 | 29.111 | -0.049 | 29.123 | -0.050 |
| 24.727 | 0.197 | 24.747 | 0.154 | 24.770 | 0.152 | 24.790 | 0.110 | 29.135 | -0.030 | 29.156 | -0.050 | 29.170 | -0.049 | 29.188 | -0.070 |
| 24.814 | 0.026 | 24.836 | 0.045 | 24.853 | 0.064 | 24.873 | 0.022 | 29.202 | -0.040 | 29.220 | -0.110 | 29.238 | -0.151 | 29.251 | -0.232 |
| 24.895 | -0.062 | 24.913 | -0.145 | 24.937 | -0.228 | 24.958 | -0.291 | 29.269 | -0.355 | 29.285 | -0.355 | 29.313 | -0.334 | 29.329 | -0.272 |
| 24.984 | -0.355 | 25.018 | -0.378 | 25.032 | -0.297 | 25.068 | -0.278 | 29.426 | -0.252 | 29.436 | -0.170 | 29.452 | -0.067 | 29.466 | -0.067 |
| 25.071 | -0.218 | 25.095 | -0.220 | 25.117 | -0.181 | 25.147 | -0.224 | 29.465 | -0.047 | 29.483 | -0.046 | 29.492 | -0.047 | 29.509 | -0.066 |
| 25.166 | -0.246 | 25.186 | -0.227 | 25.204 | -0.249 | 25.222 | -0.250 | 29.537 | -0.087 | 29.550 | -0.127 | 29.568 | -0.147 | 29.582 | -0.147 |
| 25.238 | -0.252 | 25.253 | -0.191 | 25.269 | -0.111 | 25.289 | -0.092 | 29.608 | -0.000 | 29.630 | -0.083 | 29.646 | -0.124 | 29.652 | -0.082 |
| 25.307 | -0.032 | 25.329 | 0.048 | 25.350 | 0.026 | 25.368 | 0.045 | 29.685 | 0.201 | 29.707 | 0.147 | 29.727 | 0.188 | 29.749 | 0.221 |
| 25.388 | 0.023 | 25.408 | 0.021 | 25.432 | 0.081 | 25.463 | -0.003 | 29.768 | 0.231 | 29.784 | 0.232 | 29.800 | 0.253 | 29.824 | 0.254 |
| 25.481 | -0.086 | 25.503 | -0.087 | 25.525 | -0.068 | 25.547 | -0.048 | 29.846 | 0.316 | 29.861 | 0.357 | 29.885 | 0.419 | 29.909 | 0.420 |
| 25.570 | -0.008 | 25.586 | 0.053 | 25.606 | 0.154 | 25.622 | 0.256 | 29.927 | 0.421 | 29.947 | 0.401 | 29.964 | 0.402 | 29.980 | 0.402 |
| 25.638 | 0.357 | 25.648 | 0.480 | 25.669 | 0.479 | 25.681 | 0.396 | 29.992 | 0.362 | 30.012 | 0.363 | 30.034 | 0.323 | 30.049 | 0.323 |
| 25.703 | 0.334 | 25.721 | 0.313 | 25.739 | 0.231 | 25.760 | 0.148 | 30.067 | 0.324 | 30.083 | 0.325 | 30.105 | 0.340 | 30.123 | 0.367 |
| 25.782 | 0.066 | 25.808 | 0.024 | 25.828 | 0.105 | 25.851 | 0.185 | 30.147 | 0.388 | 30.170 | 0.410 | 30.186 | 0.329 | 30.204 | 0.288 |
| 25.871 | 0.287 | 25.895 | 0.225 | 25.913 | 0.144 | 25.937 | 0.144 | 30.224 | 0.246 | 30.242 | 0.249 | 30.265 | 0.250 | 30.281 | 0.250 |
| 25.956 | 0.082 | 25.972 | 0.001 | 25.994 | -0.102 | 26.018 | -0.224 | 30.305 | 0.210 | 30.335 | 0.210 | 30.343 | 0.169 | 30.360 | 0.128 |
| 26.032 | -0.286 | 26.049 | -0.183 | 26.067 | -0.102 | 26.083 | -0.020 | 30.400 | 0.145 | 30.420 | 0.145 | 30.420 | 0.067 | 30.442 | 0.067 |
| 26.105 | -0.040 | 26.125 | -0.040 | 26.147 | -0.040 | 26.170 | -0.040 | 30.461 | 0.006 | 30.477 | 0.026 | 30.499 | 0.047 | 30.513 | 0.108 |
| 26.190 | -0.163 | 26.208 | -0.286 | 26.224 | -0.368 | 26.236 | -0.470 | 30.533 | 0.128 | 30.552 | 0.128 | 30.564 | 0.128 | 30.586 | 0.108 |
| 26.263 | -0.470 | 26.273 | -0.470 | 26.291 | -0.409 | 26.307 | -0.307 | 30.604 | 0.088 | 30.622 | 0.026 | 30.638 | 0.006 | 30.661 | 0.006 |
| 26.325 | -0.266 | 26.337 | -0.267 | 26.350 | -0.042 | 26.362 | 0.080 | 30.689 | 0.006 | 30.705 | 0.027 | 30.729 | 0.068 | 30.754 | 0.069 |
| 26.378 | 0.182 | 26.396 | 0.182 | 26.414 | 0.161 | 26.426 | 0.119 | 30.778 | 0.049 | 30.798 | 0.049 | 30.820 | 0.073 | 30.842 | 0.010 |
| 26.442 | 0.099 | 26.455 | 0.057 | 26.471 | 0.016 | 26.485 | -0.046 | 30.889 | 0.010 | 30.895 | 0.052 | 30.905 | 0.030 | 30.931 | 0.094 |
| 26.501 | -0.087 | 26.519 | -0.149 | 26.539 | -0.129 | 26.556 | -0.088 | 30.945 | 0.135 | 30.960 | 0.156 | 30.978 | 0.177 | 30.994 | 0.177 |
| 26.574 | -0.048 | 26.596 | 0.013 | 26.620 | 0.053 | 26.640 | 0.134 | 31.008 | 0.157 | 31.024 | 0.158 | 31.042 | 0.117 | 31.063 | 0.136 |
| 26.663 | 0.134 | 26.683 | 0.174 | 26.701 | 0.174 | 26.723 | 0.133 | 31.079 | 0.139 | 31.097 | 0.115 | 31.113 | 0.117 | 31.121 | 0.142 |
| 26.741 | 0.071 | 26.768 | 0.051 | 26.790 | 0.050 | 26.812 | 0.050 | 31.131 | 0.143 | 31.145 | 0.144 | 31.154 | 0.186 | 31.174 | 0.168 |
| 26.828 | 0.050 | 26.846 | 0.070 | 26.867 | 0.111 | 26.891 | 0.151 | 31.192 | 0.129 | 31.210 | 0.110 | 31.230 | 0.071 | 31.249 | 0.032 |
| 26.915 | 0.130 | 26.937 | 0.130 | 26.970 | 0.089 | 26.994 | 0.089 | 31.269 | -0.048 | 31.287 | -0.046 | 31.311 | -0.064 | 31.329 | -0.062 |
| 27.020 | 0.150 | 27.051 | 0.088 | 27.075 | 0.006 | 27.107 | 0.006 | 31.348 | -0.101 | 31.366 | -0.119 | 31.384 | -0.158 | 31.404 | -0.150 |
| 27.131 | 0.006 | 27.147 | 0.087 | 27.168 | 0.087 | 27.186 | 0.087 | 31.420 | -0.155 | 31.436 | -0.153 | 31.448 | -0.172 | 31.461 | -0.171 |
| 27.218 | 0.149 | 27.246 | 0.210 | 27.271 | 0.210 | 27.297 | 0.128 | 31.475 | -0.169 | 31.493 | -0.168 | 31.507 | -0.228 | 31.525 | -0.227 |
| 27.319 | 0.108 | 27.343 | 0.067 | 27.366 | 0.067 | 27.388 | 0.128 | 31.541 | -0.226 | 31.562 | -0.285 | 31.578 | -0.366 | 31.598 | -0.446 |
| 27.414 | 0.210 | 27.440 | 0.333 | 27.469 | 0.435 | 27.493 | 0.373 | 31.612 | -0.466 | 31.626 | -0.464 | 31.642 | -0.463 | 31.657 | -0.442 |
| 27.509 | 0.413 | 27.531 | 0.453 | 27.556 | 0.452 | 27.580 | 0.492 | 31.671 | -0.420 | 31.689 | -0.357 | 31.705 | -0.315 | 31.723 | -0.273 |
| 27.604 | 0.593 | 27.630 | 0.673 | 27.649 | 0.652 | 27.667 | 0.630 | 31.741 | -0.292 | 31.762 | -0.331 | 31.778 | -0.351 | 31.792 | -0.350 |
| 27.683 | 0.609 | 27.699 | 0.608 | 27.717 | 0.587 | 27.741 | 0.586 | 31.804 | -0.349 | 31.818 | -0.368 | 31.836 | -0.387 | 31.851 | -0.345 |
| 27.768 | 0.584 | 27.788 | 0.583 | 27.812 | 0.521 | 27.832 | 0.499 | 31.867 | -0.303 | 31.885 | -0.261 | 31.905 | -0.219 | 31.921 | -0.156 |
| 27.849 | 0.457 | 27.871 | 0.374 | 27.887 | 0.271 | 27.909 | 0.312 | 31.939 | -0.137 | 31.954 | -0.158 | 31.974 | -0.117 | 32.002 | -0.050 |
| 27.937 | 0.331 | 27.958 | 0.350 | 27.974 | 0.248 | 27.994 | 0.226 | 32.030 | -0.015 | 32.042 | -0.015 | 32.055 | 0.007 | 32.065 | 0.108 |
| 28.014 | 0.164 | 28.030 | 0.062 | 28.046 | 0.020 | 28.063 | -0.062 | 32.083 | 0.210 | 32.105 | 0.231 | 32.121 | 0.210 | 32.134 | 0.251 |
| 28.077 | -0.124 | 28.103 | -0.125 | 28.121 | -0.126 | 28.137 | -0.127 | 32.150 | 0.231 | 32.164 | 0.231 | 32.174 | 0.251 | 32.190 | 0.251 |
| 28.156 | -0.148 | 28.174 | -0.148 | 28.196 | -0.170 | 28.212 | -0.211 | 32.198 | 0.251 | 32.210 | 0.251 | 32.222 | 0.251 | 32.230 | 0.251 |
| 28.236 | -0.273 | 28.248 | -0.315 | 28.269 | -0.397 | 28.285 | -0.500 | 32.246 | 0.231 | 32.255 | 0.231 | 32.269 | 0.210 | 32.285 | 0.231 |
| 28.303 | -0.500 | 28.319 | -0.500 | 28.339 | -0.480 | 28.354 | -0.459 | 32.299 | 0.232 | 32.315 | 0.332 | 32.333 | 0.352 | 32.350 | 0.352 |
| 28.368 | -0.378 | 28.386 | -0.418 | 28.406 | -0.418 | 28.428 | -0.459 | 32.364 | 0.372 | 32.378 | 0.392 | 32.394 | 0.412 | 32.410 | 0.411 |
| 28.449 | -0.459 | 28.469 | -0.480 | 28.491 | -0.480 | 28.511 | -0.480 | 32.426 | 0.391 | 32.438 | 0.390 | 32.449 | 0.390 | 32.467 | 0.308 |
| 28.533 | -0.541 | 28.556 | -0.521 | 28.572 | -0.418 | 28.594 | -0.296 | 32.477 | 0.267 | 32.505 | 0.246 | 32.523 | 0.245 | 32.545 | 0.244 |
| 28.616 | -0.235 | 28.632 | -0.255 | 28.649 | -0.194 | 28.665 | -0.173 | 32.554 | 0.244 | 32.564 | 0.244 | 32.578 | 0.244 | 32.588 | 0.244 |
| 28.689 | -0.153 | 28.707 | -0.194 | 28.729 | -0.255 | 28.747 | -0.275 | 32.596 | 0.243 | 32.616 | 0.243 | 32.632 | 0.263 | 32.644 | 0.283 |
| 28.766 | -0.275 | 28.784 | -0.275 | 28.802 | -0.275 | 28.818 | -0.255 | 32.657 | 0.242 | 32.673 | 0.200 | 32.689 | 0.220 | 32.705 | 0.159 |
| 28.832 | -0.194 | 28.848 | -0.132 | 28.871 | -0.071 | 28.889 | 0.011 | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 32.719 | 0.118 | 32.737 | 0.118 | 32.750 | 0.139 | 32.762 | 0.118 | 35.398 | 0.392 | 35.408 | 0.290 | 35.412 | 0.168 | 35.420 | 0.086 |
| 32.776 | 0.139 | 32.790 | 0.139 | 32.802 | 0.118 | 32.810 | 0.118 | 35.428 | -0.036 | 35.436 | -0.138 | 35.444 | -0.200 | 35.453 | -0.138 |
| 32.826 | 0.098 | 32.838 | 0.098 | 32.853 | 0.098 | 32.869 | 0.016 | 35.461 | -0.097 | 35.471 | -0.056 | 35.479 | -0.055 | 35.493 | -0.015 |
| 32.885 | -0.025 | 32.903 | -0.066 | 32.919 | -0.066 | 32.939 | -0.045 | 35.503 | 0.088 | 35.509 | 0.165 | 35.523 | 0.190 | 35.533 | 0.272 |
| 32.950 | -0.004 | 32.966 | 0.036 | 32.984 | 0.077 | 33.004 | 0.118 | 35.541 | 0.292 | 35.550 | 0.312 | 35.562 | 0.415 | 35.568 | 0.415 |
| 33.014 | 0.118 | 33.030 | 0.159 | 33.046 | 0.139 | 33.061 | 0.118 | 35.572 | 0.476 | 35.578 | 0.517 | 35.588 | 0.455 | 35.594 | 0.455 |
| 33.081 | 0.077 | 33.099 | 0.057 | 33.117 | -0.003 | 33.135 | -0.002 | 35.604 | 0.455 | 35.618 | 0.314 | 35.620 | 0.353 | 35.634 | 0.292 |
| 33.150 | -0.002 | 33.170 | -0.001 | 33.186 | 0.041 | 33.204 | 0.062 | 35.638 | 0.231 | 35.646 | 0.149 | 35.657 | 0.067 | 35.669 | 0.026 |
| 33.218 | 0.063 | 33.230 | 0.084 | 33.246 | 0.146 | 33.259 | 0.147 | 35.683 | 0.015 | 35.691 | -0.056 | 35.697 | -0.056 | 35.705 | -0.056 |
| 33.273 | 0.209 | 33.285 | 0.251 | 33.301 | 0.251 | 33.313 | 0.211 | 35.715 | -0.056 | 35.729 | -0.056 | 35.747 | -0.056 | 35.760 | -0.015 |
| 33.325 | 0.191 | 33.339 | 0.172 | 33.352 | 0.193 | 33.362 | 0.214 | 35.772 | 0.047 | 35.784 | 0.087 | 35.794 | 0.149 | 35.802 | 0.190 |
| 33.382 | 0.215 | 33.394 | 0.174 | 33.408 | 0.134 | 33.420 | 0.094 | 35.810 | 0.231 | 35.826 | 0.251 | 35.840 | 0.231 | 35.851 | 0.190 |
| 33.432 | 0.054 | 33.448 | 0.095 | 33.463 | 0.117 | 33.481 | 0.097 | 35.865 | 0.149 | 35.883 | 0.087 | 35.891 | 0.026 | 35.907 | -0.035 |
| 33.497 | 0.098 | 33.507 | 0.078 | 33.519 | 0.079 | 33.527 | 0.080 | 35.919 | -0.055 | 35.935 | -0.116 | 35.945 | -0.117 | 35.952 | -0.178 |
| 33.539 | 0.080 | 33.552 | 0.061 | 33.564 | 0.062 | 33.576 | 0.042 | 35.968 | -0.198 | 35.982 | -0.177 | 35.992 | -0.177 | 36.002 | -0.156 |
| 33.594 | -0.018 | 33.606 | -0.079 | 33.622 | -0.078 | 33.632 | -0.077 | 36.014 | -0.095 | 36.026 | -0.034 | 36.038 | 0.028 | 36.053 | 0.089 |
| 33.646 | -0.138 | 33.663 | -0.137 | 33.679 | -0.115 | 33.695 | -0.094 | 36.069 | 0.110 | 36.089 | 0.151 | 36.101 | 0.131 | 36.113 | 0.111 |
| 33.711 | -0.072 | 33.721 | -0.010 | 33.737 | -0.030 | 33.750 | 0.012 | 36.127 | 0.070 | 36.139 | 0.070 | 36.150 | 0.091 | 36.162 | 0.111 |
| 33.764 | 0.013 | 33.776 | 0.014 | 33.790 | 0.015 | 33.804 | -0.005 | 36.178 | 0.071 | 36.190 | 0.071 | 36.208 | 0.030 | 36.220 | -0.011 |
| 33.816 | -0.045 | 33.830 | -0.044 | 33.844 | -0.084 | 33.857 | -0.124 | 36.238 | -0.010 | 36.251 | 0.031 | 36.263 | 0.031 | 36.279 | 0.072 |
| 33.871 | -0.123 | 33.887 | -0.122 | 33.899 | -0.163 | 33.917 | -0.102 | 36.293 | 0.275 | 36.309 | 0.133 | 36.319 | 0.174 | 36.333 | 0.173 |
| 33.933 | -0.102 | 33.947 | -0.061 | 33.964 | -0.061 | 33.976 | -0.061 | 36.347 | 0.275 | 36.356 | 0.315 | 36.370 | 0.356 | 36.382 | 0.396 |
| 33.992 | -0.040 | 34.004 | -0.040 | 34.018 | -0.020 | 34.026 | -0.021 | 36.394 | 0.396 | 36.410 | 0.354 | 36.426 | 0.333 | 36.438 | 0.292 |
| 34.038 | -0.040 | 34.051 | -0.040 | 34.061 | -0.020 | 34.081 | 0.021 | 36.447 | 0.291 | 36.477 | 0.249 | 36.485 | 0.208 | 36.499 | 0.187 |
| 34.093 | 0.021 | 34.109 | 0.062 | 34.123 | 0.103 | 34.137 | 0.123 | 36.515 | 0.187 | 36.525 | 0.186 | 36.537 | 0.186 | 36.548 | 0.185 |
| 34.148 | 0.123 | 34.160 | 0.164 | 34.172 | 0.205 | 34.188 | 0.246 | 36.568 | 0.246 | 36.576 | 0.225 | 36.586 | 0.266 | 36.594 | 0.306 |
| 34.200 | 0.287 | 34.216 | 0.246 | 34.230 | 0.246 | 34.240 | 0.225 | 36.610 | 0.347 | 36.624 | 0.387 | 36.642 | 0.345 | 36.657 | 0.324 |
| 34.251 | 0.246 | 34.263 | 0.246 | 34.279 | 0.205 | 34.291 | 0.164 | 36.671 | 0.303 | 36.687 | 0.262 | 36.703 | 0.241 | 36.719 | 0.178 |
| 34.305 | 0.062 | 34.323 | 0.082 | 34.337 | 0.123 | 34.347 | 0.143 | 36.735 | 0.137 | 36.752 | 0.054 | 36.768 | -0.008 | 36.782 | -0.029 |
| 34.358 | 0.143 | 34.376 | 0.245 | 34.394 | 0.244 | 34.410 | 0.224 | 36.798 | -0.030 | 36.808 | -0.030 | 36.824 | -0.031 | 36.844 | -0.053 |
| 34.418 | 0.244 | 34.426 | 0.244 | 34.440 | 0.264 | 34.453 | 0.223 | 36.855 | -0.074 | 36.869 | -0.054 | 36.881 | -0.034 | 36.895 | -0.035 |
| 34.461 | 0.182 | 34.469 | 0.162 | 34.479 | 0.162 | 34.495 | 0.121 | 36.909 | -0.015 | 36.921 | -0.036 | 36.935 | -0.057 | 36.956 | -0.120 |
| 34.509 | 0.100 | 34.525 | 0.120 | 34.537 | 0.100 | 34.545 | 0.079 | 36.972 | -0.161 | 36.984 | -0.182 | 37.000 | -0.224 | 37.016 | -0.327 |
| 34.556 | 0.079 | 34.572 | 0.038 | 34.584 | -0.003 | 34.596 | -0.003 | 37.032 | -0.328 | 37.051 | -0.325 | 37.067 | -0.309 | 37.085 | -0.289 |
| 34.606 | -0.003 | 34.614 | -0.004 | 34.622 | -0.004 | 34.630 | -0.004 | 37.101 | -0.229 | 37.115 | -0.168 | 37.127 | -0.147 | 37.141 | -0.148 |
| 34.638 | -0.004 | 34.646 | -0.004 | 34.651 | -0.004 | 34.657 | -0.004 | 37.150 | -0.107 | 37.166 | -0.066 | 37.180 | -0.148 | 37.194 | -0.169 |
| 34.663 | -0.004 | 34.673 | -0.025 | 34.683 | -0.025 | 34.691 | -0.025 | 37.204 | -0.189 | 37.214 | -0.230 | 37.226 | -0.292 | 37.242 | -0.251 |
| 34.699 | -0.025 | 34.705 | -0.004 | 34.717 | 0.017 | 34.731 | 0.018 | 37.253 | -0.333 | 37.273 | -0.333 | 37.285 | -0.292 | 37.291 | -0.231 |
| 34.741 | 0.039 | 34.752 | 0.019 | 34.762 | 0.020 | 34.774 | 0.041 | 37.313 | -0.211 | 37.325 | -0.150 | 37.339 | -0.150 | 37.350 | -0.109 |
| 34.782 | 0.041 | 34.790 | 0.001 | 34.804 | 0.001 | 34.818 | -0.039 | 37.356 | -0.068 | 37.376 | -0.007 | 37.380 | 0.034 | 37.392 | 0.095 |
| 34.826 | -0.079 | 34.834 | -0.140 | 34.842 | -0.160 | 34.851 | -0.242 | 37.404 | 0.074 | 37.412 | 0.074 | 37.426 | 0.074 | 37.432 | 0.054 |
| 34.867 | -0.323 | 34.875 | -0.343 | 34.889 | -0.342 | 34.905 | -0.361 | 37.448 | 0.094 | 37.457 | 0.156 | 37.475 | 0.176 | 37.489 | 0.135 |
| 34.917 | -0.320 | 34.929 | -0.360 | 34.933 | -0.360 | 34.941 | -0.401 | 37.499 | 0.114 | 37.513 | 0.094 | 37.527 | 0.053 | 37.537 | 0.012 |
| 34.954 | -0.441 | 34.964 | -0.481 | 34.974 | -0.440 | 34.986 | -0.419 | 37.550 | -0.009 | 37.560 | 0.032 | 37.576 | 0.052 | 37.590 | 0.113 |
| 35.002 | -0.336 | 35.012 | -0.274 | 35.020 | -0.233 | 35.030 | -0.089 | 37.606 | 0.158 | 37.618 | 0.215 | 37.628 | 0.256 | 37.636 | 0.338 |
| 35.036 | 0.013 | 35.048 | 0.136 | 35.055 | 0.178 | 35.065 | 0.260 | 37.644 | 0.354 | 37.655 | 0.378 | 37.667 | 0.378 | 37.675 | 0.378 |
| 35.075 | 0.281 | 35.081 | 0.136 | 35.093 | 0.261 | 35.103 | 0.262 | 37.687 | 0.398 | 37.695 | 0.398 | 37.711 | 0.398 | 37.721 | 0.357 |
| 35.111 | 0.120 | 35.113 | 0.242 | 35.119 | 0.201 | 35.131 | 0.160 | 37.735 | 0.237 | 37.741 | 0.357 | 37.750 | 0.336 | 37.758 | 0.316 |
| 35.139 | 0.120 | 35.145 | 0.058 | 35.152 | 0.038 | 35.160 | -0.064 | 37.766 | 0.295 | 37.780 | 0.275 | 37.790 | 0.254 | 37.798 | 0.254 |
| 35.168 | -0.166 | 35.176 | -0.268 | 35.184 | -0.390 | 35.194 | -0.472 | 37.806 | 0.172 | 37.820 | 0.193 | 37.830 | 0.172 | 37.840 | 0.192 |
| 35.206 | -0.472 | 35.214 | -0.430 | 35.224 | -0.430 | 35.238 | -0.368 | 37.851 | 0.213 | 37.859 | 0.192 | 37.873 | 0.212 | 37.891 | 0.192 |
| 35.248 | -0.286 | 35.255 | -0.184 | 35.269 | -0.041 | 35.273 | 0.041 | 37.903 | 0.232 | 37.913 | 0.232 | 37.925 | 0.232 | 37.933 | 0.253 |
| 35.283 | 0.123 | 35.289 | 0.246 | 35.295 | 0.308 | 35.301 | 0.349 | 37.945 | 0.232 | 37.956 | 0.252 | 37.964 | 0.252 | 37.964 | 0.232 |
| 35.309 | 0.431 | 35.315 | 0.472 | 35.323 | 0.534 | 35.329 | 0.534 | 37.996 | 0.231 | 38.006 | 0.231 | 38.014 | 0.190 | 38.024 | 0.170 |
| 35.341 | 0.534 | 35.348 | 0.534 | 35.356 | 0.534 | 35.360 | 0.514 | 38.036 | 0.149 | 38.046 | 0.129 | 38.059 | 0.108 | 38.067 | 0.067 |
| 35.368 | 0.514 | 35.374 | 0.514 | 35.384 | 0.473 | 35.390 | 0.433 | 38.075 | 0.047 | 38.083 | 0.047 | 38.097 | 0.005 | 38.107 | -0.015 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 38.113 | -0.036 | 38.125 | -0.015 | 38.145 | -0.036 | 38.154 | -0.016 |
| 38.164 | -0.016 | 38.178 | -0.016 | 38.186 | -0.036 | 38.196 | -0.057 |
| 38.212 | -0.037 | 38.226 | -0.016 | 38.242 | -0.017 | 38.251 | 0.024 |
| 38.265 | -0.058 | 38.275 | -0.058 | 38.289 | -0.099 | 38.299 | -0.140 |
| 38.311 | -0.140 | 38.323 | -0.140 | 38.335 | -0.202 | 38.350 | -0.243 |
| 38.374 | -0.202 | 38.386 | -0.182 | 38.400 | -0.161 | 38.408 | -0.141 |
| 38.422 | -0.100 | 38.438 | -0.019 | 38.453 | 0.124 | 38.457 | 0.206 |
| 38.475 | 0.165 | 38.493 | 0.083 | 38.503 | 0.124 | 38.513 | 0.042 |
| 38.527 | -0.020 | 38.541 | -0.040 | 38.554 | -0.081 | 38.568 | -0.143 |
| 38.590 | -0.102 | 38.624 | -0.103 | 38.636 | -0.062 | 38.651 | -0.021 |
| 38.663 | -0.001 | 38.683 | 0.060 | 38.703 | 0.162 | 38.719 | 0.244 |
| 38.737 | 0.223 | 38.756 | 0.244 | 38.770 | 0.100 | 38.784 | 0.018 |
| 38.802 | 0.559 | 38.818 | 0.018 | 38.834 | -0.125 | 38.846 | -0.044 |
| 38.853 | -0.044 | | | | | | |

71.163 2/9/71 0600 PST 14724 VENTURA, L.A. 6TH FLOOR UP

1734 POINTS 38.857 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2260 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.299 | 0.010 | -0.246 | 0.018 | -0.153 | 0.026 | -0.073 | 1.707 | 0.154 | 1.721 | 0.154 | 1.741 | 0.089 | 1.756 | 0.010 |
| 0.032 | -0.006 | 0.040 | 0.007 | 0.044 | -0.006 | 0.051 | -0.019 | 1.768 | -0.069 | 1.786 | -0.227 | 1.862 | -0.120 | 1.822 | -0.092 |
| 0.063 | -0.032 | 0.069 | -0.032 | 0.069 | -0.072 | 0.081 | -0.124 | 1.832 | 0.041 | 1.849 | 0.201 | 1.861 | 0.400 | 1.871 | 0.480 |
| 0.091 | -0.111 | 0.099 | -0.058 | 0.105 | -0.044 | 0.113 | 0.009 | 1.885 | 0.375 | 1.899 | 0.243 | 1.909 | 0.058 | 1.919 | 0.140 |
| 0.121 | 0.036 | 0.129 | 0.102 | 0.135 | 0.155 | 0.145 | 0.169 | 1.935 | -0.179 | 1.950 | -0.298 | 1.964 | -0.205 | 1.982 | -0.125 |
| 0.152 | 0.143 | 0.162 | 0.116 | 0.176 | 0.064 | 0.182 | 0.011 | 1.998 | -0.005 | 2.014 | 0.141 | 2.032 | 0.049 | 2.051 | -0.069 |
| 0.190 | -0.190 | 0.200 | -0.055 | 0.208 | -0.095 | 0.216 | -0.161 | 2.073 | 0.090 | 2.091 | 0.171 | 2.059 | 0.131 | 2.109 | 0.039 |
| 0.228 | -0.253 | 0.242 | -0.173 | 0.248 | 0.107 | 0.255 | -0.027 | 2.123 | -0.186 | 2.131 | -0.173 | 2.149 | -0.265 | 2.162 | -0.357 |
| 0.263 | -0.053 | 0.273 | 0.093 | 0.287 | 0.080 | 0.295 | 0.027 | 2.180 | -0.291 | 2.190 | -0.157 | 2.204 | -0.104 | 2.214 | 0.082 |
| 0.305 | -0.052 | 0.313 | 0.158 | 0.319 | -0.224 | 0.329 | 0.171 | 2.236 | 0.083 | 2.259 | 0.136 | 2.269 | 0.084 | 2.283 | -0.062 |
| 0.341 | -0.118 | 0.352 | -0.308 | 0.358 | 0.042 | 0.362 | 0.122 | 2.299 | 0.045 | 2.321 | 0.151 | 2.321 | 0.231 | 2.341 | 0.086 |
| 0.372 | 0.122 | 0.378 | 0.122 | 0.386 | 0.069 | 0.396 | 0.017 | 2.349 | -0.007 | 2.362 | -0.232 | 2.368 | -0.204 | 2.404 | -0.217 |
| 0.404 | -0.063 | 0.408 | -0.129 | 0.414 | -0.155 | 0.428 | -0.141 | 2.420 | -0.137 | 2.440 | -0.083 | 2.459 | 0.183 | 2.473 | 0.037 |
| 0.438 | -0.128 | 0.444 | -0.061 | 0.453 | -0.008 | 0.463 | 0.046 | 2.481 | -0.175 | 2.503 | -0.426 | 2.515 | -0.253 | 2.531 | -0.133 |
| 0.479 | 0.033 | 0.493 | 0.087 | 0.511 | 0.061 | 0.523 | 0.022 | 2.545 | 0.053 | 2.558 | 0.279 | 2.568 | 0.532 | 2.582 | 0.412 |
| 0.531 | -0.057 | 0.539 | -0.110 | 0.547 | -0.163 | 0.556 | -0.189 | 2.588 | 0.306 | 2.602 | 0.081 | 2.618 | -0.276 | 2.634 | -0.143 |
| 0.566 | -0.255 | 0.574 | -0.308 | 0.588 | -0.360 | 0.593 | -0.380 | 2.650 | -0.114 | 2.663 | 0.110 | 2.679 | 0.018 | 2.693 | -0.035 |
| 0.612 | -0.253 | 0.620 | -0.160 | 0.626 | -0.053 | 0.638 | 0.080 | 2.717 | -0.111 | 2.735 | 0.020 | 2.750 | 0.086 | 2.766 | -0.033 |
| 0.655 | 0.067 | 0.665 | -0.012 | 0.677 | -0.078 | 0.691 | 0.016 | 2.776 | -0.153 | 2.790 | -0.219 | 2.804 | -0.139 | 2.820 | -0.020 |
| 0.701 | 0.096 | 0.715 | 0.269 | 0.723 | 0.375 | 0.733 | 0.283 | 2.830 | 0.140 | 2.844 | 0.259 | 2.851 | 0.113 | 2.869 | -0.059 |
| 0.741 | 0.124 | 0.750 | -0.022 | 0.760 | -0.141 | 0.776 | -0.060 | 2.883 | -0.125 | 2.899 | -0.231 | 2.899 | -0.151 | 2.911 | 0.021 |
| 0.786 | 0.033 | 0.800 | 0.126 | 0.810 | 0.113 | 0.824 | 0.034 | 2.921 | 0.101 | 2.933 | 0.154 | 2.945 | -0.233 | 2.954 | 0.340 |
| 0.836 | -0.072 | 0.848 | -0.177 | 0.857 | -0.336 | 0.871 | -0.389 | 2.972 | 0.141 | 2.984 | -0.031 | 2.998 | -0.190 | 3.008 | 0.088 |
| 0.885 | -0.322 | 0.897 | -0.083 | 0.911 | 0.143 | 0.921 | 0.356 | 3.020 | 0.327 | 3.036 | 0.526 | 3.053 | 0.327 | 3.069 | -0.389 |
| 0.935 | 0.224 | 0.943 | -0.002 | 0.960 | -0.226 | 0.968 | -0.359 | 3.093 | 0.548 | 3.105 | 0.480 | 3.123 | -0.004 | 3.131 | 0.341 |
| 0.980 | -0.226 | 0.998 | 0.199 | 1.010 | 0.544 | 1.018 | 0.598 | 3.145 | 0.348 | 3.154 | 0.380 | 3.168 | 0.004 | 3.180 | -0.204 |
| 1.034 | 0.386 | 1.042 | -0.237 | 1.059 | -0.700 | 1.071 | -0.886 | 3.202 | -0.177 | 3.220 | -0.111 | 3.246 | 0.621 | 3.263 | -0.659 |
| 1.085 | -0.544 | 1.097 | 0.700 | 1.111 | 0.376 | 1.121 | 0.868 | 3.287 | -0.205 | 3.305 | -0.066 | 3.317 | 0.126 | 3.337 | 0.019 |
| 1.135 | 0.549 | 1.149 | 0.151 | 1.158 | -0.266 | 1.166 | -0.471 | 3.352 | -0.271 | 3.370 | -0.455 | 3.386 | -0.181 | 3.402 | 0.151 |
| 1.182 | -0.590 | 1.192 | -0.497 | 1.206 | -0.072 | 1.218 | 0.141 | 3.430 | 0.568 | 3.450 | 0.362 | 3.463 | 0.037 | 3.477 | -0.142 |
| 1.228 | 0.248 | 1.240 | 0.328 | 1.246 | 0.235 | 1.255 | 0.130 | 3.493 | -0.368 | 3.505 | -0.262 | 3.521 | 0.003 | 3.533 | 0.374 |
| 1.263 | 0.064 | 1.279 | 0.174 | 1.291 | -0.399 | 1.299 | -0.478 | 3.564 | 0.427 | 3.584 | 0.196 | 3.574 | -0.196 | 3.584 | -0.528 |
| 1.313 | -0.347 | 1.327 | -0.264 | 1.339 | 0.041 | 1.347 | 0.201 | 3.604 | -0.554 | 3.636 | -0.554 | 3.636 | -0.050 | 3.667 | 0.427 |
| 1.356 | 0.400 | 1.374 | 0.255 | 1.374 | 0.255 | 1.386 | 0.004 | 3.681 | -0.063 | 3.701 | -0.514 | 3.727 | 0.029 | 3.749 | 0.268 |
| 1.398 | -0.194 | 1.406 | -0.379 | 1.418 | -0.273 | 1.432 | -0.086 | 3.770 | 0.547 | 3.788 | 0.427 | 3.804 | 0.215 | 3.826 | -0.488 |
| 1.442 | 0.073 | 1.453 | 0.505 | 1.461 | 0.486 | 1.469 | 0.619 | 3.842 | -0.740 | 3.885 | -0.581 | 3.885 | 0.043 | 3.895 | 0.460 |
| 1.485 | 0.527 | 1.505 | 0.262 | 1.517 | 0.011 | 1.525 | -0.347 | 3.913 | 0.295 | 3.937 | -0.394 | 3.954 | -0.699 | 3.970 | 0.446 |
| 1.545 | -0.677 | 1.556 | -0.570 | 1.570 | -0.198 | 1.584 | 0.041 | 3.992 | -0.047 | 4.010 | 0.113 | 4.026 | -0.059 | 4.040 | -0.403 |
| 1.592 | 0.174 | 1.610 | -0.037 | 1.624 | -0.115 | 1.640 | -0.115 | 4.053 | -0.602 | 4.063 | -0.256 | 4.073 | 0.182 | 4.097 | 0.461 |
| 1.655 | -0.194 | 1.667 | -0.140 | 1.681 | -0.209 | 1.697 | -0.046 | 4.105 | 0.249 | 4.119 | 0.051 | 4.143 | 0.344 | 4.158 | 0.571 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4.170 | 0.411 | 4.182 | -0.106 | 4.198 | -0.291 | 4.210 | -0.171 | 8.198 | -0.083 | 8.224 | -0.628 | 8.240 | -0.363 | 8.255 | -0.313 |
| 4.228 | 0.334 | 4.242 | 0.560 | 4.255 | 0.441 | 4.269 | 0.243 | 8.279 | 0.657 | 8.295 | 0.484 | 8.307 | -0.365 | 8.333 | -0.578 |
| 4.285 | -0.327 | 4.305 | -0.684 | 4.321 | -0.537 | 4.343 | 0.313 | 8.366 | -0.048 | 8.380 | -0.248 | 8.400 | -0.275 | 8.424 | -0.050 |
| 4.360 | 0.672 | 4.370 | 0.420 | 4.382 | 0.076 | 4.399 | -0.255 | 8.436 | -0.024 | 8.448 | 0.095 | 8.475 | 0.267 | 8.481 | 0.254 |
| 4.406 | -0.373 | 4.428 | -0.279 | 4.438 | -0.146 | 4.459 | -0.039 | 8.495 | 0.107 | 8.517 | 0.054 | 8.539 | 0.358 | 8.554 | 0.458 |
| 4.477 | -0.144 | 4.497 | -0.275 | 4.517 | 0.164 | 4.535 | 0.510 | 8.574 | 0.543 | 8.602 | 0.423 | 8.620 | 0.317 | 8.634 | 0.197 |
| 4.554 | 0.378 | 4.572 | -0.125 | 4.590 | -0.561 | 4.604 | -0.680 | 8.644 | 0.077 | 8.653 | 0.183 | 8.669 | 0.130 | 8.691 | -0.202 |
| 4.636 | 0.131 | 4.651 | 1.073 | 4.669 | 0.451 | 4.693 | -0.343 | 8.707 | -0.455 | 8.725 | -0.190 | 8.745 | -0.058 | 8.760 | 0.047 |
| 4.705 | -0.661 | 4.725 | -0.169 | 4.745 | 0.176 | 4.758 | 0.229 | 8.772 | 0.153 | 8.784 | 0.219 | 8.808 | 0.192 | 8.826 | 0.111 |
| 4.776 | 0.124 | 4.792 | 0.177 | 4.812 | -0.088 | 4.832 | -0.326 | 8.834 | 0.085 | 8.851 | 0.177 | 8.857 | 0.323 | 8.877 | 0.203 |
| 4.850 | 0.166 | 4.865 | 0.033 | 4.883 | -0.112 | 4.903 | -0.271 | 8.895 | 0.096 | 8.905 | -0.037 | 8.919 | 0.055 | 8.937 | 0.214 |
| 4.921 | 0.088 | 4.939 | 0.194 | 4.952 | 0.340 | 4.976 | 0.195 | 8.954 | 0.266 | 8.988 | 0.235 | 9.006 | -0.120 | 9.026 | -0.532 |
| 4.994 | -0.030 | 5.016 | 0.249 | 5.044 | 0.449 | 5.065 | -0.042 | 9.040 | -0.599 | 9.055 | -0.294 | 9.069 | 0.077 | 9.085 | 0.355 |
| 5.087 | -0.399 | 5.105 | -0.810 | 5.129 | -0.558 | 5.159 | -0.239 | 9.103 | 0.089 | 9.121 | -0.124 | 9.152 | -0.112 | 9.174 | -0.485 |
| 5.164 | 0.065 | 5.172 | 0.291 | 5.188 | 0.357 | 5.204 | 0.397 | 9.200 | -0.738 | 9.214 | -0.447 | 9.226 | -0.235 | 9.242 | -0.051 |
| 5.222 | 0.277 | 5.240 | 0.410 | 5.263 | 0.343 | 5.283 | 0.277 | 9.259 | -0.051 | 9.265 | 0.081 | 9.285 | -0.132 | 9.301 | 0.013 |
| 5.299 | 0.144 | 5.319 | 0.263 | 5.339 | 0.369 | 5.352 | 0.157 | 9.317 | 0.450 | 9.335 | 0.727 | 9.350 | 0.461 | 9.370 | -0.123 |
| 5.366 | -0.268 | 5.394 | -0.387 | 5.408 | 0.183 | 5.428 | -0.567 | 9.388 | -0.111 | 9.418 | -0.112 | 9.436 | 0.099 | 9.457 | -0.048 |
| 5.450 | 0.143 | 5.465 | -0.441 | 5.491 | -0.454 | 5.517 | -0.137 | 9.475 | 0.017 | 9.505 | 0.308 | 9.529 | -0.117 | 9.545 | -0.277 |
| 5.537 | 0.261 | 5.554 | 0.526 | 5.578 | 0.393 | 5.602 | -0.178 | 9.562 | -0.105 | 9.586 | 0.054 | 9.608 | -0.060 | 9.646 | -0.292 |
| 5.628 | -0.576 | 5.657 | -0.033 | 5.681 | -0.497 | 5.705 | -0.405 | 9.648 | -0.651 | 9.659 | -0.452 | 9.687 | 0.263 | 9.705 | 0.528 |
| 5.723 | 0.165 | 5.752 | 0.907 | 5.772 | 0.708 | 5.786 | 0.018 | 9.727 | 0.289 | 9.750 | -0.043 | 9.776 | 0.354 | 9.806 | 0.857 |
| 5.806 | -0.247 | 5.824 | 0.057 | 5.842 | 0.269 | 5.857 | 0.402 | 9.828 | 0.379 | 9.861 | -0.095 | 9.883 | -0.020 | 9.911 | 0.165 |
| 5.879 | 0.229 | 5.903 | -0.408 | 5.927 | -1.098 | 5.959 | -0.726 | 9.899 | 0.059 | 9.945 | -0.273 | 9.966 | -0.058 | 9.990 | -0.300 |
| 5.974 | -0.342 | 5.998 | -0.501 | 6.022 | -0.514 | 6.044 | -0.780 | 10.004 | 0.402 | 10.042 | 0.680 | 10.040 | 0.322 | 10.061 | 0.017 |
| 6.061 | -0.859 | 6.073 | -0.620 | 6.093 | -0.302 | 6.105 | 0.056 | 10.075 | -0.103 | 10.101 | -0.156 | 10.117 | -0.369 | 10.139 | -0.475 |
| 6.121 | 0.308 | 6.139 | 0.507 | 6.156 | 0.401 | 6.172 | 0.096 | 10.156 | -0.210 | 10.174 | 0.028 | 10.204 | 0.041 | 10.220 | 0.133 |
| 6.196 | -0.607 | 6.212 | -0.209 | 6.228 | 0.202 | 6.244 | 0.096 | 10.236 | 0.266 | 10.261 | 0.173 | 10.275 | 0.026 | 10.297 | 0.211 |
| 6.259 | -0.024 | 6.277 | 0.242 | 6.291 | 0.454 | 6.313 | 0.189 | 10.323 | 0.370 | 10.345 | 0.236 | 10.368 | 0.063 | 10.394 | 0.141 |
| 6.339 | -0.408 | 6.368 | -0.738 | 6.386 | -0.499 | 6.400 | -0.234 | 10.404 | 0.181 | 10.424 | -0.072 | 10.442 | -0.259 | 10.459 | -0.342 |
| 6.416 | -0.087 | 6.432 | 0.046 | 6.444 | 0.311 | 6.455 | 0.457 | 10.481 | -0.048 | 10.493 | 0.111 | 10.517 | 0.521 | 10.537 | 0.202 |
| 6.479 | 0.471 | 6.503 | 0.817 | 6.513 | 0.910 | 6.523 | 0.751 | 10.566 | -0.383 | 10.578 | -0.503 | 10.594 | -0.132 | 10.618 | 0.265 |
| 6.543 | 0.486 | 6.558 | -0.190 | 6.580 | -0.786 | 6.592 | 0.799 | 10.640 | 0.184 | 10.653 | -0.015 | 10.675 | -0.020 | 10.703 | 0.341 |
| 6.600 | -0.560 | 6.624 | -0.294 | 6.632 | -0.055 | 6.650 | 0.197 | 10.733 | -0.296 | 10.750 | -0.015 | 10.782 | -0.841 | 10.816 | -0.549 |
| 6.671 | 0.052 | 6.701 | -0.491 | 6.719 | -0.371 | 6.737 | 0.133 | 10.836 | -0.510 | 10.859 | -0.020 | 10.885 | 0.258 | 10.923 | 0.218 |
| 6.752 | 0.346 | 6.760 | 0.518 | 6.784 | 0.625 | 6.800 | 0.294 | 10.935 | 0.032 | 10.962 | -0.499 | 10.982 | 0.124 | 11.014 | 0.734 |
| 6.816 | -0.116 | 6.838 | -0.474 | 6.861 | -0.274 | 6.879 | 0.244 | 11.038 | -0.009 | 11.069 | -0.673 | 11.089 | -0.262 | 11.115 | 0.255 |
| 6.901 | 0.205 | 6.915 | -0.219 | 6.941 | -0.616 | 6.954 | -0.456 | 11.137 | -0.089 | 11.154 | -0.341 | 11.170 | -0.235 | 11.184 | -0.301 |
| 6.968 | 0.101 | 6.986 | 0.619 | 6.996 | 0.765 | 7.012 | 0.646 | 11.210 | 0.177 | 11.234 | 0.695 | 11.257 | 0.456 | 11.277 | 0.072 |
| 7.022 | 0.355 | 7.044 | 0.143 | 7.057 | -0.108 | 7.069 | 0.264 | 11.297 | -0.126 | 11.319 | -0.020 | 11.343 | 0.113 | 11.368 | 0.021 |
| 7.083 | 0.596 | 7.099 | 0.530 | 7.117 | 0.185 | 7.137 | -0.649 | 11.384 | -0.112 | 11.402 | -0.284 | 11.418 | -0.164 | 11.434 | 0.115 |
| 7.156 | -0.874 | 7.168 | -0.556 | 7.178 | -0.038 | 7.208 | 0.612 | 11.450 | 0.380 | 11.471 | -0.604 | 11.487 | -0.004 | 11.521 | 0.048 |
| 7.224 | 0.254 | 7.234 | -0.117 | 7.257 | -0.355 | 7.273 | 0.030 | 11.543 | -0.191 | 11.576 | -0.604 | 11.596 | -0.326 | 11.620 | 0.004 |
| 7.297 | 0.018 | 7.313 | 0.336 | 7.339 | 0.310 | 7.356 | 0.099 | 11.646 | -0.083 | 11.756 | 0.201 | 11.687 | 0.373 | 11.715 | 0.133 |
| 7.368 | -0.087 | 7.390 | 0.325 | 7.406 | 0.670 | 7.426 | 0.419 | 11.733 | 0.093 | 11.766 | 0.144 | 11.782 | 0.249 | 11.802 | 0.142 |
| 7.440 | -0.708 | 7.450 | -1.013 | 7.463 | -0.893 | 7.477 | 0.102 | 11.822 | -0.110 | 11.851 | -0.204 | 11.879 | -0.007 | 11.913 | -0.035 |
| 7.487 | 0.460 | 7.505 | 0.699 | 7.521 | 0.367 | 7.535 | 0.049 | 11.947 | -0.025 | 11.960 | 0.159 | 11.980 | 0.121 | 12.008 | -0.349 |
| 7.545 | -0.163 | 7.564 | -0.442 | 7.590 | -0.323 | 7.604 | -0.084 | 12.028 | -0.152 | 12.044 | 0.032 | 12.067 | 0.030 | 12.091 | -0.012 |
| 7.620 | 0.207 | 7.632 | 0.393 | 7.651 | 0.101 | 7.663 | 0.164 | 12.105 | 0.053 | 12.131 | 0.157 | 12.147 | -0.004 | 12.168 | -0.165 |
| 7.679 | -0.416 | 7.709 | -0.310 | 7.731 | -0.284 | 7.752 | 0.153 | 12.208 | -0.169 | 12.277 | -0.440 | 12.297 | -0.587 | 12.311 | -0.495 |
| 7.778 | 0.723 | 7.788 | 0.604 | 7.802 | 0.458 | 7.818 | 0.272 | 12.261 | -0.346 | 12.364 | 0.046 | 12.378 | -0.034 | 12.398 | -0.088 |
| 7.834 | -0.006 | 7.846 | -0.378 | 7.877 | -0.352 | 7.893 | -0.471 | 12.329 | -0.257 | 12.430 | -0.276 | 12.446 | -0.409 | 12.463 | -0.557 |
| 7.907 | -0.670 | 7.923 | -0.459 | 7.937 | -0.048 | 7.956 | 0.415 | 12.416 | -0.182 | 12.491 | -0.239 | 12.503 | -0.080 | 12.517 | 0.025 |
| 7.978 | 0.176 | 7.988 | -0.010 | 8.010 | -0.024 | 8.030 | -0.170 | 12.471 | -0.331 | 12.491 | -0.236 | 12.549 | 0.222 | 12.566 | 0.221 |
| 8.042 | -0.303 | 8.057 | -0.145 | 8.071 | 0.199 | 8.095 | 0.424 | 12.527 | 0.131 | 12.535 | 0.236 | 12.549 | 0.222 | 12.566 | 0.221 |
| 8.111 | 0.026 | 8.129 | 0.038 | 8.152 | 0.369 | 8.170 | 0.488 | 12.562 | 0.181 | 12.602 | 0.114 | 12.628 | 0.205 | 12.638 | 0.443 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 12.657 | C.615 | 12.673 | 0.375 | 12.689 | 0.030 | 12.705 | -0.408 | 16.907 | 0.323 | 16.929 | 0.430 | 16.966 | 0.312 | 16.996 | 0.206 |
| 12.723 | -0.621 | 12.737 | -0.727 | 12.749 | -0.621 | 12.760 | -0.476 | 17.028 | 0.207 | 17.055 | 0.340 | 17.103 | 0.222 | 17.148 | 0.275 |
| 12.778 | -0.370 | 12.790 | -0.383 | 12.804 | -0.397 | 12.824 | -0.410 | 17.172 | 0.156 | 17.214 | 0.064 | 17.242 | 0.090 | 17.265 | 0.144 |
| 12.863 | -0.265 | 12.875 | -0.013 | 12.889 | 0.172 | 12.909 | 0.131 | 17.299 | -0.002 | 17.317 | -0.108 | 17.347 | -0.147 | 17.376 | -0.227 |
| 12.901 | 0.185 | 12.919 | 0.132 | 12.937 | 0.039 | 12.959 | 0.131 | 17.400 | -0.266 | 17.432 | -0.187 | 17.463 | -0.213 | 17.495 | -0.173 |
| 12.966 | 0.171 | 12.978 | 0.303 | 12.992 | 0.396 | 13.010 | 0.342 | 17.521 | -0.173 | 17.550 | -0.213 | 17.566 | -0.213 | 17.592 | -0.133 |
| 13.024 | 0.210 | 13.034 | 0.050 | 13.046 | -0.016 | 13.055 | -0.056 | 17.614 | -0.133 | 17.644 | -0.279 | 17.673 | -0.465 | 17.711 | -0.305 |
| 13.073 | -0.017 | 13.095 | 0.036 | 13.113 | -0.044 | 13.143 | -0.097 | 17.729 | -0.199 | 17.750 | -0.093 | 17.772 | 0.092 | 17.794 | 0.252 |
| 13.158 | 0.036 | 13.174 | 0.287 | 13.198 | 0.340 | 13.222 | 0.128 | 17.832 | 0.066 | 17.859 | 0.172 | 17.875 | 0.265 | 17.901 | 0.252 |
| 13.238 | -0.031 | 13.255 | 0.088 | 13.275 | 0.326 | 13.295 | 0.140 | 17.949 | 0.119 | 17.978 | 0.198 | 18.010 | 0.079 | 18.044 | 0.145 |
| 13.311 | 0.068 | 13.327 | -0.152 | 13.349 | -0.112 | 13.355 | -0.059 | 18.075 | 0.172 | 18.105 | 0.172 | 18.123 | 0.079 | 18.152 | 0.066 |
| 13.404 | 0.007 | 13.422 | -0.046 | 13.438 | -0.139 | 13.450 | -0.232 | 18.184 | 0.013 | 18.210 | 0.079 | 18.236 | 0.145 | 18.273 | 0.066 |
| 13.469 | -0.193 | 13.485 | -0.047 | 13.499 | 0.192 | 13.513 | 0.337 | 18.309 | -0.093 | 18.331 | -0.226 | 18.366 | -0.226 | 18.392 | -0.226 |
| 13.531 | C.297 | 13.552 | 0.230 | 13.568 | 0.323 | 13.586 | 0.389 | 18.422 | -0.332 | 18.440 | -0.385 | 18.463 | -0.305 | 18.489 | -0.186 |
| 13.594 | 0.428 | 13.616 | 0.441 | 13.634 | 0.454 | 13.658 | 0.347 | 18.537 | -0.252 | 18.568 | -0.120 | 18.604 | 0.066 | 18.630 | -0.014 |
| 13.659 | 0.161 | 13.673 | 0.002 | 13.689 | -0.105 | 13.701 | -0.078 | 18.659 | -0.120 | 18.685 | 0.013 | 18.709 | 0.092 | 18.733 | 0.092 |
| 13.717 | 0.001 | 13.727 | 0.053 | 13.743 | 0.053 | 13.756 | 0.000 | 18.758 | 0.039 | 18.788 | 0.092 | 18.804 | 0.119 | 18.824 | 0.119 |
| 13.774 | -0.120 | 13.784 | -0.187 | 13.792 | -0.200 | 13.804 | -0.187 | 18.851 | 0.039 | 18.877 | -0.093 | 18.921 | -0.067 | 18.958 | -0.040 |
| 13.820 | -0.055 | 13.830 | 0.064 | 13.844 | 0.223 | 13.857 | 0.289 | 18.994 | -0.146 | 19.018 | -0.195 | 19.067 | -0.093 | 19.113 | 0.027 |
| 13.877 | 0.209 | 13.901 | 0.128 | 13.917 | 0.260 | 13.939 | 0.365 | 19.147 | -0.028 | 19.178 | 0.105 | 19.204 | 0.163 | 19.240 | 0.084 |
| 13.928 | 0.298 | 13.962 | 0.192 | 13.978 | -0.048 | 13.986 | -0.168 | 19.261 | 0.045 | 19.301 | 0.020 | 19.329 | -0.059 | 19.356 | -0.071 |
| 14.002 | -0.235 | 14.028 | -0.117 | 14.050 | -0.197 | 14.053 | -0.250 | 19.382 | -0.057 | 19.414 | -0.145 | 19.434 | -0.201 | 19.467 | -0.173 |
| 14.073 | -0.251 | 14.089 | -0.265 | 14.113 | -0.439 | 14.125 | -0.546 | 19.511 | -0.171 | 19.549 | -0.103 | 19.596 | -0.180 | 19.651 | -0.203 |
| 14.143 | -0.494 | 14.158 | -0.322 | 14.170 | -0.203 | 14.186 | -0.124 | 19.693 | -0.253 | 19.727 | -0.212 | 19.772 | -0.169 | 19.816 | -0.127 |
| 14.202 | -0.202 | 14.216 | -0.232 | 14.232 | -0.180 | 14.255 | 0.045 | 19.855 | -0.111 | 19.873 | -0.057 | 19.919 | -0.109 | 19.950 | 0.011 |
| 14.273 | 0.243 | 14.289 | 0.335 | 14.323 | 0.227 | 14.347 | 0.108 | 19.970 | 0.130 | 19.982 | 0.197 | 20.030 | 0.078 | 20.067 | 0.185 |
| 14.368 | -0.092 | 14.386 | -0.238 | 14.408 | -0.159 | 14.418 | -0.053 | 20.111 | 0.159 | 20.133 | 0.120 | 20.156 | -0.012 | 20.164 | 0.054 |
| 14.424 | -0.000 | 14.434 | 0.026 | 14.455 | -0.015 | 14.468 | -0.015 | 20.182 | -0.038 | 20.200 | 0.055 | 20.206 | -0.051 | 20.220 | 0.015 |
| 14.483 | -0.108 | 14.513 | -0.215 | 14.527 | -0.109 | 14.535 | -0.043 | 20.240 | -0.029 | 20.267 | 0.030 | 20.311 | -0.076 | 20.339 | 0.089 |
| 14.547 | 0.023 | 14.554 | 0.142 | 14.572 | 0.208 | 14.580 | 0.340 | 20.374 | -0.022 | 20.404 | -0.032 | 20.444 | -0.032 | 20.483 | -0.020 |
| 14.590 | 0.234 | 14.606 | 0.181 | 14.616 | 0.088 | 14.630 | 0.047 | 20.523 | -0.112 | 20.552 | -0.125 | 20.576 | -0.125 | 20.596 | -0.151 |
| 14.651 | -0.033 | 14.657 | -0.099 | 14.677 | -0.126 | 14.693 | -0.100 | 20.618 | -0.217 | 20.648 | -0.150 | 20.673 | -0.004 | 20.701 | -0.002 |
| 14.709 | -0.113 | 14.727 | -0.126 | 14.750 | -0.140 | 14.770 | -0.126 | 20.731 | -0.027 | 20.758 | 0.001 | 20.806 | 0.030 | 20.830 | 0.071 |
| 14.788 | -0.140 | 14.806 | -0.219 | 14.822 | -0.286 | 14.842 | -0.233 | 20.864 | 0.020 | 20.901 | -0.057 | 20.927 | -0.003 | 20.943 | 0.038 |
| 14.839 | -0.060 | 14.856 | -0.007 | 14.878 | -0.113 | 14.896 | -0.193 | 20.980 | 0.040 | 21.004 | 0.094 | 21.036 | 0.070 | 21.059 | 0.124 |
| 15.010 | -0.246 | 15.030 | -0.140 | 15.065 | 0.006 | 15.085 | 0.099 | 21.077 | 0.178 | 21.109 | 0.140 | 21.156 | 0.051 | 21.188 | -0.013 |
| 15.107 | -0.021 | 15.123 | -0.087 | 15.147 | 0.006 | 15.170 | 0.098 | 21.226 | -0.011 | 21.273 | -0.008 | 21.301 | 0.021 | 21.333 | 0.062 |
| 15.198 | -0.074 | 15.218 | -0.300 | 15.236 | -0.446 | 15.259 | -0.406 | 21.368 | 0.065 | 21.402 | -0.147 | 21.426 | 0.108 | 21.457 | 0.084 |
| 15.285 | -0.486 | 15.313 | -0.526 | 15.335 | -0.447 | 15.357 | -0.328 | 21.481 | -0.021 | 21.503 | -0.099 | 21.535 | -0.110 | 21.576 | -0.187 |
| 15.370 | -0.222 | 15.382 | -0.195 | 15.412 | -0.182 | 15.440 | 0.030 | 21.614 | -0.238 | 21.646 | -0.210 | 21.669 | -0.262 | 21.697 | -0.326 |
| 15.471 | 0.202 | 15.489 | 0.295 | 15.523 | 0.095 | 15.547 | -0.051 | 21.725 | -0.245 | 21.758 | -0.164 | 21.784 | -0.162 | 21.820 | -0.067 |
| 15.568 | 0.655 | 15.586 | 0.241 | 15.610 | 0.333 | 15.642 | 0.214 | 21.846 | -0.052 | 21.873 | 0.042 | 21.909 | 0.082 | 21.939 | 0.069 |
| 15.661 | 0.161 | 15.693 | 0.014 | 15.719 | 0.173 | 15.741 | 0.412 | 21.956 | 0.016 | 21.992 | 0.024 | 22.028 | -0.117 | 22.057 | -0.130 |
| 15.762 | 0.253 | 15.778 | 0.080 | 15.794 | -0.026 | 15.814 | -0.026 | 22.089 | -0.117 | 22.123 | -0.024 | 22.162 | -0.117 | 22.192 | -0.103 |
| 15.842 | -0.027 | 15.859 | -0.027 | 15.881 | 0.066 | 15.907 | 0.119 | 22.216 | -0.170 | 22.236 | -0.170 | 22.255 | -0.130 | 22.283 | -0.130 |
| 15.954 | 0.000 | 15.978 | 0.133 | 16.006 | 0.279 | 16.026 | 0.186 | 22.305 | -0.130 | 22.327 | -0.131 | 22.347 | -0.039 | 22.364 | 0.053 |
| 16.055 | 0.041 | 16.073 | 0.041 | 16.093 | 0.041 | 16.113 | -0.038 | 22.386 | 0.079 | 22.410 | 0.078 | 22.430 | 0.078 | 22.450 | -0.003 |
| 16.133 | -0.091 | 16.160 | -0.011 | 16.182 | 0.148 | 16.204 | 0.029 | 22.487 | 0.089 | 22.509 | 0.221 | 22.527 | 0.220 | 22.550 | 0.180 |
| 16.214 | -0.011 | 16.242 | -0.011 | 16.263 | -0.077 | 16.287 | -0.143 | 22.568 | 0.139 | 22.604 | 0.165 | 22.632 | 0.177 | 22.651 | 0.176 |
| 16.329 | -0.049 | 16.360 | -0.208 | 16.374 | -0.340 | 16.388 | -0.406 | 22.667 | 0.269 | 22.693 | 0.295 | 22.709 | 0.295 | 22.729 | 0.215 |
| 16.420 | -0.325 | 16.449 | -0.245 | 16.469 | -0.245 | 16.509 | -0.350 | 22.741 | 0.123 | 22.778 | 0.203 | 22.798 | 0.203 | 22.812 | 0.150 |
| 16.539 | -0.203 | 16.560 | -0.004 | 16.570 | 0.023 | 16.612 | -0.108 | 22.844 | 0.124 | 22.873 | 0.071 | 22.899 | 0.044 | 22.921 | 0.111 |
| 16.634 | -0.055 | 16.657 | -0.001 | 16.691 | -0.080 | 16.711 | -0.172 | 22.954 | 0.231 | 22.976 | 0.125 | 23.004 | 0.059 | 23.032 | 0.125 |
| 16.741 | -0.079 | 16.764 | 0.054 | 16.790 | 0.082 | 16.818 | 0.202 | 23.048 | 0.152 | 23.075 | 0.126 | 23.103 | 0.059 | 23.127 | -0.033 |
| 16.830 | 0.295 | 16.848 | 0.309 | 16.865 | 0.229 | 16.879 | 0.203 | 23.150 | -0.099 | 23.178 | -0.099 | 23.214 | -0.099 | 23.240 | -0.205 |
| | | | | | | | | 23.303 | -0.323 | 23.343 | -0.403 | 23.364 | -0.456 | 23.400 | -0.336 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 23.436 | -0.216 | 23.461 | -0.269 | 23.495 | -0.295 | 23.525 | -0.216 | 30.606 | 0.049 | 30.644 | -0.042 | 30.661 | -0.136 | 30.679 | -0.163 |
| 23.549 | -0.150 | 23.574 | -0.189 | 23.606 | -0.216 | 23.642 | -0.203 | 30.709 | -0.136 | 30.733 | -0.069 | 30.758 | -0.122 | 30.788 | -0.135 |
| 23.659 | -0.110 | 23.741 | -0.030 | 23.764 | 0.009 | 23.802 | -0.070 | 30.806 | -0.068 | 30.838 | -0.001 | 30.854 | -0.120 | 30.875 | -0.120 |
| 23.832 | -0.136 | 23.875 | -0.030 | 23.905 | 0.063 | 23.937 | 0.103 | 30.891 | -0.133 | 30.923 | -0.075 | 30.949 | 0.027 | 30.970 | 0.014 |
| 23.968 | 0.196 | 23.992 | 0.262 | 24.032 | 0.249 | 24.071 | 0.316 | 30.988 | -0.065 | 31.010 | -0.118 | 31.034 | -0.058 | 31.059 | 0.042 |
| 24.103 | 0.356 | 24.121 | 0.396 | 24.164 | 0.317 | 24.212 | 0.370 | 31.091 | -0.037 | 31.113 | -0.085 | 31.139 | -0.113 | 31.162 | -0.006 |
| 24.246 | 0.264 | 24.285 | 0.225 | 24.331 | 0.157 | 24.376 | 0.063 | 31.192 | -0.076 | 31.222 | -0.011 | 31.253 | -0.053 | 31.285 | -0.025 |
| 24.418 | -0.044 | 24.461 | 0.022 | 24.497 | -0.039 | 24.521 | -0.152 | 31.287 | 0.042 | 31.321 | 0.031 | 31.350 | -0.006 | 31.384 | -0.017 |
| 24.539 | -0.206 | 24.580 | -0.167 | 24.616 | -0.234 | 24.657 | -0.315 | 31.406 | -0.024 | 31.444 | 0.093 | 31.469 | 0.041 | 31.487 | 0.029 |
| 24.697 | -0.263 | 24.737 | -0.265 | 24.782 | -0.241 | 24.822 | -0.123 | 31.523 | 0.071 | 31.552 | 0.072 | 31.582 | 0.127 | 31.622 | 0.115 |
| 24.861 | -0.218 | 24.909 | -0.154 | 24.956 | -0.103 | 24.990 | 0.079 | 31.665 | 0.144 | 31.709 | 0.239 | 31.745 | 0.214 | 31.772 | 0.176 |
| 25.022 | 0.106 | 25.051 | 0.104 | 25.093 | 0.208 | 25.127 | 0.167 | 31.794 | 0.203 | 31.824 | 0.245 | 31.849 | 0.193 | 31.885 | 0.161 |
| 25.148 | 0.126 | 25.180 | 0.230 | 25.210 | 0.295 | 25.253 | 0.306 | 31.913 | 0.195 | 31.943 | 0.262 | 31.968 | 0.169 | 31.994 | 0.102 |
| 25.297 | 0.238 | 25.323 | 0.263 | 25.368 | 0.168 | 25.392 | 0.074 | 32.018 | 0.142 | 32.042 | 0.165 | 32.073 | 0.169 | 32.093 | 0.063 |
| 25.428 | -0.047 | 25.463 | -0.036 | 25.503 | -0.077 | 25.543 | -0.091 | 32.125 | -0.004 | 32.152 | 0.023 | 32.176 | -0.076 | 32.220 | -0.030 |
| 25.574 | -0.092 | 25.600 | -0.133 | 25.622 | -0.147 | 25.649 | -0.147 | 32.253 | -0.007 | 32.291 | -0.097 | 32.319 | -0.124 | 32.341 | -0.164 |
| 25.673 | -0.108 | 25.693 | -0.069 | 25.731 | -0.083 | 25.764 | -0.044 | 32.370 | -0.191 | 32.410 | -0.191 | 32.453 | -0.152 | 32.469 | -0.206 |
| 25.806 | 0.008 | 25.859 | 0.020 | 25.893 | -0.020 | 25.929 | 0.059 | 32.505 | -0.193 | 32.549 | -0.154 | 32.586 | -0.101 | 32.620 | -0.155 |
| 25.954 | 0.152 | 25.988 | 0.152 | 26.026 | 0.192 | 26.051 | 0.232 | 32.642 | -0.182 | 32.697 | -0.116 | 32.752 | -0.077 | 32.798 | -0.050 |
| 26.079 | 0.152 | 26.101 | 0.072 | 26.131 | 0.086 | 26.170 | 0.112 | 32.838 | 0.016 | 32.875 | -0.024 | 32.917 | -0.024 | 32.943 | -0.024 |
| 26.204 | 0.126 | 26.240 | 0.179 | 26.255 | 0.179 | 26.281 | 0.152 | 32.976 | 0.056 | 33.006 | -0.037 | 33.030 | -0.077 | 33.053 | -0.063 |
| 26.311 | 0.178 | 26.329 | 0.218 | 26.352 | 0.217 | 26.370 | 0.177 | 33.081 | -0.024 | 33.111 | 0.003 | 33.133 | -0.049 | 33.156 | -0.061 |
| 26.398 | 0.137 | 26.428 | 0.150 | 26.455 | 0.149 | 26.487 | 0.043 | 33.194 | -0.007 | 33.244 | -0.005 | 33.277 | -0.004 | 33.301 | -0.004 |
| 26.523 | -0.064 | 26.560 | -0.065 | 26.590 | -0.065 | 26.622 | -0.106 | 33.333 | 0.024 | 33.354 | 0.078 | 33.372 | 0.012 | 33.394 | -0.027 |
| 26.651 | -0.146 | 26.691 | -0.146 | 26.721 | -0.120 | 26.749 | -0.120 | 33.428 | 0.040 | 33.457 | 0.095 | 33.489 | 0.062 | 33.507 | 0.030 |
| 26.778 | -0.187 | 26.800 | -0.227 | 26.834 | -0.174 | 26.857 | -0.121 | 33.545 | 0.098 | 33.568 | 0.152 | 33.592 | 0.126 | 33.610 | 0.114 |
| 26.891 | -0.122 | 26.937 | -0.056 | 27.004 | -0.043 | 27.022 | -0.017 | 33.646 | 0.182 | 33.679 | 0.276 | 33.713 | 0.251 | 33.737 | 0.212 |
| 27.059 | -0.017 | 27.081 | -0.017 | 27.111 | 0.049 | 27.139 | 0.102 | 33.762 | 0.200 | 33.790 | 0.281 | 33.828 | 0.284 | 33.855 | 0.244 |
| 27.162 | 0.063 | 27.178 | 0.009 | 27.206 | 0.049 | 27.220 | 0.102 | 33.909 | 0.178 | 33.949 | 0.165 | 33.986 | 0.139 | 34.014 | 0.192 |
| 27.232 | 0.116 | 27.253 | 0.076 | 27.285 | -0.004 | 27.301 | 0.030 | 34.044 | 0.178 | 34.073 | 0.125 | 34.097 | 0.099 | 34.131 | 0.125 |
| 27.329 | -0.017 | 27.343 | 0.049 | 27.372 | 0.009 | 27.404 | -0.017 | 34.178 | 0.059 | 34.220 | 0.033 | 34.242 | 0.033 | 34.269 | -0.020 |
| 27.424 | -0.017 | 27.451 | 0.023 | 27.479 | 0.023 | 27.519 | 0.062 | 34.289 | -0.047 | 34.319 | -0.021 | 34.341 | -0.021 | 34.378 | -0.067 |
| 27.550 | 0.100 | 27.586 | 0.126 | 27.628 | 0.124 | 27.646 | 0.137 | 34.414 | -0.088 | 34.455 | -0.088 | 34.487 | -0.088 | 34.511 | -0.142 |
| 27.683 | 0.189 | 27.709 | 0.135 | 27.741 | 0.081 | 27.778 | 0.080 | 34.527 | -0.155 | 34.554 | -0.129 | 34.588 | -0.023 | 34.616 | -0.076 |
| 27.802 | 0.052 | 27.836 | -0.015 | 27.871 | -0.036 | 27.903 | -0.017 | 34.640 | -0.156 | 34.653 | -0.182 | 34.677 | -0.116 | 34.701 | -0.063 |
| 27.939 | 0.048 | 27.968 | 0.100 | 28.000 | 0.113 | 28.032 | 0.072 | 34.743 | -0.168 | 34.762 | -0.101 | 34.794 | -0.060 | 34.828 | -0.059 |
| 28.065 | 0.045 | 28.109 | 0.084 | 28.141 | 0.043 | 28.182 | 0.055 | 34.859 | -0.151 | 34.899 | -0.070 | 34.935 | -0.108 | 34.960 | -0.134 |
| 28.200 | 0.068 | 28.232 | 0.173 | 28.261 | 0.239 | 28.301 | 0.265 | 34.994 | -0.027 | 35.026 | 0.067 | 35.044 | 0.107 | 35.067 | -0.062 |
| 28.335 | 0.252 | 28.364 | 0.198 | 28.394 | 0.172 | 28.420 | 0.172 | 35.091 | 0.029 | 35.121 | 0.036 | 35.143 | -0.062 | 35.158 | -0.129 |
| 28.453 | 0.066 | 28.491 | 0.039 | 28.523 | -0.040 | 28.558 | -0.000 | 35.176 | -0.128 | 35.206 | -0.008 | 35.232 | 0.072 | 35.257 | 0.040 |
| 28.594 | -0.093 | 28.636 | -0.146 | 28.671 | -0.173 | 28.703 | -0.173 | 35.273 | -0.021 | 35.305 | -0.060 | 35.333 | -0.033 | 35.366 | -0.006 |
| 28.743 | -0.186 | 28.768 | -0.186 | 28.792 | -0.186 | 28.808 | -0.186 | 35.396 | -0.032 | 35.428 | 0.035 | 35.467 | 0.049 | 35.483 | 0.049 |
| 28.840 | -0.239 | 28.871 | -0.173 | 28.895 | -0.133 | 28.923 | -0.173 | 35.509 | -0.004 | 35.539 | 0.063 | 35.580 | 0.102 | 35.622 | 0.102 |
| 28.950 | -0.186 | 28.974 | -0.120 | 28.998 | -0.067 | 29.022 | -0.093 | 35.646 | -0.076 | 35.675 | 0.045 | 35.701 | 0.182 | 35.733 | 0.262 |
| 29.051 | -0.146 | 29.079 | -0.093 | 29.103 | -0.027 | 29.127 | -0.066 | 35.769 | 0.301 | 35.778 | 0.315 | 35.810 | 0.275 | 35.834 | 0.235 |
| 29.156 | -0.093 | 29.188 | -0.066 | 29.226 | 0.040 | 29.251 | -0.012 | 35.863 | 0.208 | 35.887 | 0.315 | 35.921 | 0.394 | 35.952 | 0.341 |
| 29.281 | -0.012 | 29.313 | 0.041 | 29.339 | 0.081 | 29.372 | 0.055 | 35.982 | 0.289 | 36.014 | 0.342 | 36.055 | 0.342 | 36.077 | 0.329 |
| 29.408 | 0.055 | 29.446 | 0.029 | 29.471 | 0.029 | 29.507 | 0.083 | 36.095 | -0.263 | 36.119 | 0.250 | 36.150 | 0.264 | 36.174 | 0.211 |
| 29.535 | 0.097 | 29.560 | 0.071 | 29.570 | 0.031 | 29.606 | 0.085 | 36.204 | 0.131 | 36.230 | 0.132 | 36.265 | 0.066 | 36.303 | 0.053 |
| 29.640 | 0.073 | 29.663 | 0.060 | 29.695 | 0.008 | 29.725 | 0.048 | 36.341 | 0.052 | 36.386 | -0.002 | 36.426 | -0.043 | 36.457 | -0.084 |
| 29.766 | 0.076 | 29.802 | 0.077 | 29.836 | 0.078 | 29.861 | 0.052 | 36.493 | -0.065 | 36.523 | -0.095 | 36.560 | -0.139 | 36.596 | -0.140 |
| 29.907 | 0.026 | 29.947 | 0.027 | 29.978 | 0.028 | 30.016 | 0.042 | 36.626 | -0.221 | 36.655 | -0.274 | 36.699 | -0.223 | 36.735 | -0.277 |
| 30.061 | 0.057 | 30.097 | 0.111 | 30.137 | 0.138 | 30.166 | 0.139 | 36.768 | -0.291 | 36.802 | -0.305 | 36.832 | -0.306 | 36.855 | -0.360 |
| 30.212 | 0.127 | 30.248 | 0.088 | 30.281 | 0.102 | 30.313 | 0.129 | 36.893 | -0.295 | 36.911 | -0.229 | 36.945 | -0.230 | 36.976 | -0.125 |
| 30.347 | 0.129 | 30.384 | 0.129 | 30.408 | 0.089 | 30.432 | 0.049 | 37.002 | -0.060 | 37.024 | -0.021 | 37.049 | -0.008 | 37.075 | -0.049 |
| 30.461 | 0.010 | 30.497 | 0.049 | 30.535 | 0.049 | 30.574 | -0.017 | 37.091 | -0.063 | 37.139 | -0.010 | 37.178 | 0.003 | 37.206 | 0.055 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 37.220 | 0.122 | 37.249 | 0.095 | 37.273 | 0.068 | 37.313 | 0.108 |
| 37.333 | 0.108 | 37.360 | 0.121 | 37.380 | 0.107 | 37.394 | 0.067 |
| 37.418 | 0.067 | 37.440 | 0.107 | 37.457 | 0.147 | 37.479 | 0.093 |
| 37.507 | 0.093 | 37.527 | 0.146 | 37.550 | 0.159 | 37.576 | 0.119 |
| 37.608 | 0.199 | 37.632 | 0.251 | 37.661 | 0.211 | 37.687 | 0.185 |
| 37.713 | 0.198 | 37.733 | 0.171 | 37.766 | 0.131 | 37.798 | 0.171 |
| 37.814 | 0.157 | 37.834 | 0.170 | 37.859 | 0.157 | 37.877 | 0.157 |
| 37.905 | 0.183 | 37.917 | 0.223 | 37.939 | 0.170 | 37.960 | 0.143 |
| 37.970 | 0.116 | 37.996 | 0.143 | 38.030 | 0.156 | 38.057 | 0.169 |
| 38.073 | 0.182 | 38.093 | 0.142 | 38.115 | 0.129 | 38.139 | 0.181 |
| 38.168 | 0.181 | 38.198 | 0.128 | 38.224 | 0.191 | 38.240 | 0.075 |
| 38.265 | 0.101 | 38.283 | 0.101 | 38.303 | 0.048 | 38.315 | 0.021 |
| 38.329 | 0.061 | 38.350 | 0.100 | 38.368 | 0.074 | 38.390 | 0.060 |
| 38.410 | 0.127 | 38.432 | 0.153 | 38.461 | 0.100 | 38.485 | -0.007 |
| 38.509 | -0.060 | 38.533 | -0.060 | 38.558 | -0.047 | 38.588 | -0.100 |
| 38.608 | -0.114 | 38.632 | -0.154 | 38.663 | -0.074 | 38.687 | -0.061 |
| 38.719 | -0.088 | 38.745 | -0.115 | 38.782 | -0.102 | 38.812 | -0.195 |
| 38.834 | -0.221 | 38.857 | -0.155 | | | | |

71.164 14724 VENTURA BLVD L.A. PENTHOUSE 2/9/71 0600PST S12W

2320 POINTS 38.707 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC. G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.7423 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | 0.004 | 0.012 | -0.017 | 0.036 | -0.017 | 0.054 | -0.017 | 2.548 | 0.555 | 2.570 | 0.640 | 2.582 | 0.493 | 2.590 | 0.324 |
| 0.070 | 0.026 | 0.084 | 0.089 | 0.092 | 0.026 | 0.108 | 0.005 | 2.602 | 0.050 | 2.620 | -0.329 | 2.628 | -0.540 | 2.640 | -0.709 |
| 0.124 | -0.016 | 0.140 | -0.037 | 0.150 | -0.037 | 0.160 | -0.015 | 2.652 | -0.623 | 2.668 | -0.475 | 2.680 | -0.242 | 2.686 | 0.057 |
| 0.182 | -0.015 | 0.200 | -0.036 | 0.211 | -0.036 | 0.221 | -0.015 | 2.706 | 0.351 | 2.719 | 0.583 | 2.733 | 0.774 | 2.769 | 0.902 |
| 0.239 | 0.049 | 0.255 | 0.028 | 0.275 | -0.014 | 0.303 | 0.056 | 2.765 | 0.839 | 2.779 | 0.713 | 2.791 | 0.347 | 2.799 | 0.144 |
| 0.313 | 0.008 | 0.335 | -0.013 | 0.353 | -0.013 | 0.381 | 0.009 | 2.805 | -0.109 | 2.823 | -0.319 | 2.835 | -0.572 | 2.851 | -0.697 |
| 0.393 | 0.072 | 0.413 | 0.115 | 0.431 | 0.073 | 0.445 | 0.030 | 2.863 | -0.570 | 2.879 | -0.253 | 2.891 | 0.086 | 2.901 | 0.276 |
| 0.461 | -0.033 | 0.483 | -0.011 | 0.503 | -0.073 | 0.527 | -0.095 | 2.915 | 0.615 | 2.927 | 0.784 | 2.941 | 0.701 | 2.957 | 0.533 |
| 0.541 | -0.095 | 0.563 | -0.010 | 0.577 | 0.053 | 0.591 | 0.096 | 2.971 | 0.280 | 2.985 | -0.057 | 2.999 | -0.267 | 3.013 | -0.544 |
| 0.611 | 0.180 | 0.621 | 0.138 | 0.638 | 0.033 | 0.662 | -0.030 | 3.031 | -0.730 | 3.051 | -0.582 | 3.059 | -0.350 | 3.075 | -0.118 |
| 0.678 | -0.093 | 0.678 | -0.178 | 0.706 | -0.093 | 0.726 | -0.050 | 3.091 | 0.051 | 3.095 | 0.241 | 3.107 | 0.431 | 3.119 | 0.621 |
| 0.736 | 0.013 | 0.752 | 0.077 | 0.762 | 0.119 | 0.776 | 0.183 | 3.142 | 0.673 | 3.156 | 0.262 | 3.172 | -0.202 | 3.180 | -0.477 |
| 0.794 | 0.120 | 0.808 | 0.074 | 0.824 | -0.029 | 0.846 | -0.052 | 3.192 | 0.446 | 3.216 | -0.836 | 3.234 | -0.646 | 3.242 | -0.477 |
| 0.862 | -0.095 | 0.872 | -0.137 | 0.888 | -0.223 | 0.912 | -0.055 | 3.258 | -0.308 | 3.268 | -0.139 | 3.280 | 0.114 | 3.294 | 0.199 |
| 0.930 | 0.008 | 0.944 | 0.134 | 0.958 | 0.217 | 0.970 | 0.175 | 3.310 | 0.241 | 3.324 | 0.304 | 3.348 | 0.199 | 3.362 | -0.034 |
| 0.978 | 0.153 | 0.992 | 0.068 | 1.014 | 0.151 | 1.024 | 0.066 | 3.372 | -0.266 | 3.394 | -0.266 | 3.412 | -0.224 | 3.422 | -0.055 |
| 1.038 | 0.044 | 1.055 | -0.083 | 1.073 | -0.211 | 1.097 | -0.148 | 3.436 | 0.177 | 3.444 | 0.325 | 3.452 | 0.410 | 3.464 | 0.494 |
| 1.113 | -0.065 | 1.113 | 0.125 | 1.137 | 0.187 | 1.161 | 0.313 | 3.476 | 0.841 | 3.492 | 0.453 | 3.502 | 0.324 | 3.510 | 0.050 |
| 1.179 | 0.185 | 1.195 | 0.100 | 1.209 | -0.027 | 1.233 | 0.035 | 3.526 | 0.155 | 3.547 | 0.070 | 3.559 | 0.155 | 3.575 | 0.218 |
| 1.255 | -0.030 | 1.273 | -0.094 | 1.287 | -0.179 | 1.295 | -0.053 | 3.593 | 0.302 | 3.613 | 0.217 | 3.627 | 0.196 | 3.645 | 0.238 |
| 1.313 | 0.032 | 1.327 | 0.009 | 1.343 | 0.198 | 1.353 | 0.177 | 3.665 | 0.301 | 3.679 | 0.364 | 3.685 | 0.428 | 3.703 | 0.301 |
| 1.371 | 0.176 | 1.389 | 0.133 | 1.401 | 0.069 | 1.409 | -0.037 | 3.717 | 0.195 | 3.729 | 0.050 | 3.745 | 0.194 | 3.759 | 0.236 |
| 1.419 | -0.207 | 1.433 | -0.313 | 1.451 | -0.313 | 1.474 | -0.208 | 3.781 | 0.236 | 3.807 | 0.299 | 3.825 | 0.151 | 3.841 | 0.003 |
| 1.538 | 0.046 | 1.550 | -0.081 | 1.520 | -0.039 | 1.528 | -0.018 | 3.859 | 0.087 | 3.873 | 0.151 | 3.889 | 0.108 | 3.901 | 0.062 |
| 1.592 | 0.109 | 1.604 | 0.003 | 1.616 | -0.039 | 1.634 | -0.165 | 3.921 | 0.277 | 3.941 | 0.107 | 3.960 | -0.104 | 3.984 | -0.083 |
| 1.652 | -0.102 | 1.680 | -0.039 | 1.704 | -0.060 | 1.714 | -0.039 | 4.000 | -0.062 | 4.018 | -0.020 | 4.046 | -0.021 | 4.072 | -0.084 |
| 1.730 | 0.165 | 1.730 | -0.039 | 1.768 | -0.102 | 1.780 | 0.025 | 4.094 | -0.085 | 4.106 | -0.148 | 4.126 | -0.191 | 4.142 | -0.275 |
| 1.796 | -0.060 | 1.824 | -0.039 | 1.856 | 0.045 | 1.881 | 0.193 | 4.152 | -0.423 | 4.174 | -0.257 | 4.192 | -0.191 | 4.206 | -0.213 |
| 1.893 | 0.066 | 1.913 | -0.124 | 1.931 | -0.082 | 1.947 | -0.083 | 4.230 | -0.298 | 4.246 | -0.171 | 4.262 | -0.003 | 4.286 | 0.376 |
| 1.963 | -0.104 | 1.971 | 0.065 | 1.989 | 0.234 | 2.017 | 0.170 | 4.258 | 0.313 | 4.308 | 0.186 | 4.322 | 0.038 | 4.340 | -0.132 |
| 2.035 | 0.685 | 2.051 | -0.021 | 2.067 | -0.232 | 2.089 | -0.148 | 4.354 | -0.027 | 4.377 | 0.501 | 4.399 | 0.373 | 4.409 | 0.500 |
| 2.109 | 0.021 | 2.129 | -0.022 | 2.147 | 0.020 | 2.165 | 0.020 | 4.419 | 0.246 | 4.433 | 0.056 | 4.457 | -0.672 | 4.461 | 0.076 |
| 2.181 | 0.020 | 2.203 | 0.167 | 2.219 | 0.083 | 2.231 | 0.640 | 4.501 | 0.033 | 4.515 | 0.434 | 4.529 | 0.581 | 4.551 | 0.707 |
| 2.241 | -0.044 | 2.259 | -0.170 | 2.275 | -0.402 | 2.283 | -0.507 | 4.569 | 0.564 | 4.585 | 0.580 | 4.611 | 0.874 | 4.631 | 0.600 |
| 2.306 | -0.317 | 2.316 | -0.169 | 2.326 | -0.020 | 2.330 | 0.685 | 4.641 | 0.326 | 4.655 | 0.094 | 4.663 | -0.117 | 4.679 | -0.413 |
| 2.362 | 0.444 | 2.362 | 0.698 | 2.378 | 0.551 | 2.388 | 0.403 | 4.697 | -0.412 | 4.719 | -0.623 | 4.729 | -0.412 | 4.751 | -0.496 |
| 2.396 | 0.150 | 2.410 | -0.103 | 2.428 | -0.335 | 2.446 | -0.524 | 4.777 | -0.433 | 4.792 | -0.306 | 4.808 | -0.031 | 4.818 | 0.244 |
| 2.454 | -0.629 | 2.468 | -0.777 | 2.482 | -0.629 | 2.500 | -0.480 | 4.834 | 0.159 | 4.848 | 0.096 | 4.866 | 0.181 | 4.880 | 0.033 |
| 2.512 | -0.184 | 2.518 | 0.090 | 2.530 | 0.302 | 2.538 | 0.471 | 4.894 | -0.135 | 4.906 | -0.262 | 4.914 | -0.576 | 4.930 | -0.642 |
| | | | | | | | | 4.954 | -0.726 | 4.978 | -0.662 | 5.000 | -0.514 | 5.012 | -0.281 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5.026 | 0.099 | 5.038 | 0.438 | 5.050 | 0.903 | 5.056 | 1.241 | 9.186 | 1.962 | 9.204 | 1.942 | 9.220 | 1.520 | 9.236 | 1.140 |
| 5.066 | 1.368 | 5.076 | 1.516 | 5.088 | 1.580 | 5.100 | 1.527 | 9.252 | 0.739 | 9.268 | 0.613 | 9.284 | 1.520 | 9.300 | 1.140 |
| 5.122 | 0.335 | 5.140 | -0.487 | 5.162 | -1.648 | 5.184 | -2.470 | 9.316 | -0.568 | 9.334 | -0.905 | 9.350 | -0.507 | 9.362 | -0.252 |
| 5.204 | -2.807 | 5.219 | -3.039 | 5.233 | -2.426 | 5.251 | -1.707 | 9.375 | 0.996 | 9.389 | 1.292 | 9.409 | 1.546 | 9.423 | 1.673 |
| 5.267 | -0.356 | 5.285 | 1.123 | 5.297 | 1.694 | 5.307 | 2.053 | 9.435 | 1.357 | 9.447 | 0.533 | 9.461 | 0.089 | 9.479 | -0.078 |
| 5.321 | 2.539 | 5.339 | 3.216 | 5.353 | 2.857 | 5.363 | 2.604 | 9.493 | -0.437 | 9.509 | -0.683 | 9.539 | -0.836 | 9.557 | -0.640 |
| 5.387 | 2.183 | 5.417 | -0.096 | 5.445 | -1.235 | 5.469 | -1.824 | 9.575 | -0.329 | 9.587 | -0.181 | 9.599 | -0.349 | 9.615 | -0.644 |
| 5.489 | -0.958 | 5.505 | 0.226 | 5.515 | 0.881 | 5.527 | 0.607 | 9.639 | -0.960 | 9.655 | -0.559 | 9.677 | 0.054 | 9.697 | 0.498 |
| 5.543 | 0.523 | 5.561 | -0.426 | 5.593 | -1.923 | 5.611 | -1.395 | 9.709 | 0.118 | 9.725 | 0.013 | 9.749 | -1.000 | 9.781 | -2.477 |
| 5.630 | -0.570 | 5.652 | 0.930 | 5.678 | 1.755 | 5.700 | 1.270 | 9.812 | -3.131 | 9.828 | -2.687 | 9.846 | 0.715 | 9.866 | -1.039 |
| 5.716 | 0.406 | 5.740 | 0.132 | 5.758 | -0.183 | 5.786 | -0.794 | 9.884 | 0.165 | 9.892 | 0.735 | 9.904 | 0.715 | 9.918 | 1.010 |
| 5.812 | -0.075 | 5.824 | -0.243 | 5.838 | -0.136 | 5.856 | -0.726 | 9.932 | 0.884 | 9.946 | 0.336 | 9.966 | -0.804 | 9.992 | -0.972 |
| 5.888 | -0.704 | 5.908 | -0.956 | 5.908 | -0.659 | 5.934 | -0.700 | 10.012 | -1.098 | 10.048 | -1.035 | 10.048 | -0.950 | 10.064 | -0.358 |
| 5.956 | -0.973 | 5.986 | -0.950 | 6.000 | -0.759 | 6.018 | -1.243 | 10.078 | 0.044 | 10.088 | 0.466 | 10.104 | -1.417 | 10.120 | 1.587 |
| 6.038 | -1.178 | 6.053 | -1.452 | 6.077 | -1.260 | 6.097 | -0.879 | 10.128 | 1.776 | 10.144 | 1.967 | 10.164 | 1.692 | 10.174 | 1.523 |
| 6.117 | -0.561 | 6.127 | -0.349 | 6.141 | -0.644 | 6.157 | -0.579 | 10.192 | 1.502 | 10.213 | 1.502 | 10.225 | 1.566 | 10.237 | 1.375 |
| 6.173 | -0.219 | 6.189 | -0.218 | 6.197 | -0.028 | 6.211 | -0.155 | 10.255 | 1.438 | 10.273 | 1.607 | 10.287 | 1.416 | 10.305 | 1.733 |
| 6.229 | 0.309 | 6.241 | 0.900 | 6.261 | 0.689 | 6.277 | 1.048 | 10.321 | 2.493 | 10.339 | 2.112 | 10.359 | 1.690 | 10.383 | 0.423 |
| 6.295 | 1.364 | 6.323 | 1.216 | 6.339 | 0.899 | 6.363 | 0.181 | 10.409 | -1.499 | 10.439 | -2.745 | 10.453 | -2.956 | 10.465 | -2.175 |
| 6.383 | 0.497 | 6.397 | 0.687 | 6.421 | 0.961 | 6.437 | 0.813 | 10.487 | -0.993 | 10.509 | 0.273 | 10.521 | 0.991 | 10.537 | 1.624 |
| 6.453 | 0.961 | 6.470 | 1.214 | 6.484 | 0.897 | 6.496 | 0.770 | 10.557 | 2.194 | 10.575 | 1.687 | 10.589 | 1.116 | 10.607 | 0.377 |
| 6.510 | 1.003 | 6.528 | 0.812 | 6.548 | 1.319 | 6.560 | 1.846 | 10.632 | -0.363 | 10.648 | -1.145 | 10.664 | -1.526 | 10.680 | -1.737 |
| 6.570 | 2.374 | 6.590 | 1.909 | 6.606 | 1.253 | 6.630 | -0.606 | 10.696 | -1.506 | 10.706 | -0.809 | 10.718 | -0.324 | 10.736 | 0.393 |
| 6.660 | -2.171 | 6.684 | -3.312 | 6.702 | -2.110 | 6.728 | -0.929 | 10.750 | 0.223 | 10.768 | 0.307 | 10.784 | -0.052 | 10.792 | -0.306 |
| 6.742 | -0.424 | 6.768 | -0.488 | 6.788 | 0.124 | 6.804 | -0.173 | 10.806 | -0.581 | 10.820 | -0.920 | 10.838 | -0.135 | 10.852 | -1.998 |
| 6.804 | -0.280 | 6.828 | -1.232 | 6.848 | -1.550 | 6.864 | -1.171 | 10.864 | -2.125 | 10.874 | -1.914 | 10.888 | -1.577 | 10.902 | -0.880 |
| 6.885 | -0.201 | 6.909 | 0.832 | 6.927 | 1.000 | 6.943 | 1.294 | 10.912 | -0.494 | 10.926 | -0.428 | 10.942 | 0.237 | 10.966 | 0.194 |
| 6.967 | 0.638 | 6.983 | -0.081 | 7.001 | -0.335 | 7.025 | -0.590 | 10.982 | -0.694 | 11.006 | -0.356 | 11.024 | -0.779 | 11.043 | -1.160 |
| 7.055 | -1.057 | 7.081 | -0.362 | 7.097 | 0.292 | 7.113 | 1.241 | 11.059 | -1.350 | 11.073 | -0.970 | 11.089 | -0.401 | 11.103 | 0.443 |
| 7.123 | 1.450 | 7.167 | 1.132 | 7.185 | 1.088 | 7.207 | 0.707 | 11.123 | 0.971 | 11.139 | 0.738 | 11.161 | 1.308 | 11.177 | 1.033 |
| 7.223 | 0.389 | 7.249 | 0.493 | 7.271 | 0.132 | 7.289 | -0.122 | 11.201 | 0.546 | 11.213 | 0.103 | 11.231 | -0.088 | 11.243 | -0.299 |
| 7.310 | 0.657 | 7.330 | 0.340 | 7.352 | 0.465 | 7.368 | 0.021 | 11.271 | 0.101 | 11.287 | -0.005 | 11.305 | 0.586 | 11.329 | 1.683 |
| 7.382 | 0.020 | 7.400 | -0.362 | 7.420 | -0.785 | 7.432 | -0.490 | 11.343 | 2.443 | 11.359 | 2.210 | 11.377 | 2.315 | 11.391 | 1.661 |
| 7.448 | -0.112 | 7.462 | 0.289 | 7.482 | 0.013 | 7.510 | -0.031 | 11.417 | 0.902 | 11.439 | 0.417 | 11.462 | 0.101 | 11.474 | -0.216 |
| 7.528 | -1.531 | 7.558 | -2.716 | 7.590 | -4.027 | 7.610 | -2.339 | 11.492 | -0.173 | 11.520 | 0.039 | 11.536 | 0.187 | 11.548 | 0.335 |
| 7.630 | -0.462 | 7.656 | 0.951 | 7.680 | 2.449 | 7.702 | 3.123 | 11.560 | 0.652 | 11.570 | 0.843 | 11.580 | 0.991 | 11.594 | 1.118 |
| 7.719 | 2.277 | 7.739 | 1.178 | 7.759 | 0.944 | 7.775 | 0.838 | 11.610 | 0.970 | 11.624 | 0.950 | 11.632 | 0.802 | 11.642 | 0.570 |
| 7.787 | 0.520 | 7.799 | 0.731 | 7.819 | 0.963 | 7.833 | 1.216 | 11.656 | 0.359 | 11.668 | 0.022 | 11.680 | -0.337 | 11.696 | -0.759 |
| 7.849 | 0.983 | 7.863 | 0.793 | 7.895 | -0.454 | 7.915 | -1.489 | 11.706 | -1.138 | 11.720 | -1.476 | 11.730 | -1.792 | 11.744 | -2.066 |
| 7.935 | -1.025 | 7.951 | 0.009 | 7.969 | 1.212 | 7.995 | 2.035 | 11.768 | -2.066 | 11.788 | -2.108 | 11.816 | -2.002 | 11.836 | -1.917 |
| 8.015 | 2.985 | 8.033 | 2.203 | 8.057 | 0.936 | 8.083 | -0.416 | 11.860 | -1.874 | 11.881 | -1.399 | 11.899 | -1.283 | 11.913 | -1.283 |
| 8.105 | -2.465 | 8.128 | -3.205 | 8.148 | -2.466 | 8.168 | -0.440 | 11.931 | -1.536 | 11.947 | -1.789 | 11.965 | -1.556 | 11.981 | -1.788 |
| 8.188 | 1.714 | 8.202 | 1.947 | 8.218 | 2.686 | 8.236 | 2.201 | 11.999 | -1.535 | 12.017 | -1.387 | 12.035 | -1.323 | 12.051 | -0.943 |
| 8.274 | 0.661 | 8.298 | -0.817 | 8.328 | -1.893 | 8.358 | -1.893 | 12.085 | -0.752 | 12.107 | -0.140 | 12.123 | 0.198 | 12.143 | 0.515 |
| 8.352 | -1.652 | 8.364 | -0.308 | 8.380 | 0.896 | 8.392 | 1.783 | 12.171 | 0.536 | 12.189 | 0.135 | 12.213 | -0.859 | 12.233 | -1.134 |
| 8.402 | 2.142 | 8.420 | 2.818 | 8.436 | 2.037 | 8.466 | 0.391 | 12.257 | -1.114 | 12.273 | -0.840 | 12.283 | -0.545 | 12.302 | -0.313 |
| 8.492 | -1.234 | 8.514 | -1.993 | 8.532 | -1.676 | 8.545 | -1.443 | 12.322 | -0.103 | 12.338 | 0.044 | 12.356 | -0.210 | 12.374 | -0.612 |
| 8.555 | -1.232 | 8.573 | -1.168 | 8.589 | -0.745 | 8.603 | -0.427 | 12.390 | -0.528 | 12.402 | -0.339 | 12.422 | -0.339 | 12.438 | -0.298 |
| 8.615 | -0.237 | 8.633 | -0.531 | 8.655 | -1.058 | 8.673 | -2.070 | 12.462 | -0.256 | 12.482 | -0.046 | 12.500 | 0.207 | 12.516 | 0.396 |
| 8.689 | -2.872 | 8.705 | -2.956 | 8.731 | -2.870 | 8.753 | -1.980 | 12.534 | 0.585 | 12.556 | 0.669 | 12.574 | 0.668 | 12.588 | 0.415 |
| 8.769 | -0.862 | 8.785 | 0.005 | 8.803 | 0.977 | 8.819 | 1.400 | 12.602 | 0.097 | 12.614 | -0.072 | 12.630 | 0.033 | 12.652 | 0.371 |
| 8.829 | 0.725 | 8.853 | -0.562 | 8.871 | -1.448 | 8.893 | -1.383 | 12.668 | 0.961 | 12.684 | 1.573 | 12.702 | 1.784 | 12.717 | 1.636 |
| 8.909 | -1.045 | 8.921 | -0.411 | 8.939 | 0.435 | 8.953 | 0.583 | 12.743 | 1.128 | 12.767 | 0.346 | 12.787 | 0.076 | 12.801 | -0.288 |
| 8.970 | 1.577 | 8.990 | 2.548 | 9.008 | 2.971 | 9.034 | 2.507 | 12.815 | -0.478 | 12.837 | -0.014 | 12.853 | 0.281 | 12.873 | 0.451 |
| 9.052 | 1.663 | 9.070 | 0.165 | 9.090 | -0.468 | 9.108 | -0.552 | 12.895 | 0.871 | 12.915 | 0.515 | 12.925 | 0.194 | 12.947 | -0.355 |
| 9.126 | 0.039 | 9.142 | 1.412 | 9.154 | 2.257 | 9.174 | 2.511 | 12.969 | -0.799 | 12.987 | -1.199 | 12.997 | -1.368 | 13.013 | -1.135 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 13.025 | -0.892 | 13.045 | -0.142 | 13.063 | 0.492 | 13.085 | 1.168 | 16.502 | -0.131 | 16.518 | -0.427 | 16.536 | -0.491 | 16.566 | -0.408 |
| 13.101 | 1.570 | 13.119 | 1.359 | 13.136 | 1.043 | 13.150 | 0.494 | 16.586 | 0.324 | 16.600 | -0.240 | 16.614 | -0.114 | 16.628 | -0.051 |
| 13.166 | -0.012 | 13.184 | 0.136 | 13.198 | 0.157 | 13.212 | 0.263 | 16.644 | 0.056 | 16.668 | 0.053 | 16.684 | -0.075 | 16.698 | -0.265 |
| 13.220 | 0.475 | 13.238 | 0.602 | 13.262 | 0.666 | 13.284 | 0.750 | 16.712 | -0.498 | 16.734 | -0.628 | 16.756 | -0.626 | 16.774 | -0.585 |
| 13.280 | 0.793 | 13.288 | 0.814 | 13.304 | 0.815 | 13.312 | 0.794 | 16.792 | -0.459 | 16.812 | -0.354 | 16.822 | -0.104 | 16.838 | 0.046 |
| 13.326 | 0.879 | 13.336 | 0.963 | 13.352 | 0.816 | 13.362 | 0.563 | 16.854 | 0.193 | 16.876 | 0.340 | 16.901 | 0.445 | 16.917 | 0.529 |
| 13.372 | 0.437 | 13.380 | 0.184 | 13.388 | -0.048 | 13.398 | -0.322 | 16.927 | 0.549 | 16.941 | 0.570 | 16.961 | 0.611 | 16.977 | 0.547 |
| 13.408 | -0.618 | 13.420 | -0.723 | 13.432 | -0.722 | 13.444 | -0.764 | 16.993 | 0.505 | 17.005 | 0.525 | 17.041 | 0.546 | 17.063 | 0.673 |
| 13.464 | -0.700 | 13.478 | -0.573 | 13.486 | -0.446 | 13.494 | -0.277 | 17.071 | 0.673 | 17.085 | 0.736 | 17.097 | 0.778 | 17.111 | 0.820 |
| 13.502 | -0.171 | 13.520 | -0.064 | 13.528 | 0.063 | 13.541 | 0.126 | 17.127 | 0.756 | 17.145 | 0.672 | 17.165 | 0.608 | 17.197 | 0.481 |
| 13.553 | 0.042 | 13.569 | 0.041 | 13.585 | -0.167 | 13.595 | -0.188 | 17.211 | 0.417 | 17.225 | 0.333 | 17.239 | 0.227 | 17.253 | -0.048 |
| 13.615 | -0.187 | 13.633 | -0.271 | 13.651 | -0.292 | 13.673 | -0.460 | 17.271 | 0.191 | 17.287 | -0.365 | 17.304 | -0.449 | 17.326 | -0.450 |
| 13.687 | -0.375 | 13.701 | -0.163 | 13.713 | -0.015 | 13.727 | 0.281 | 17.342 | -0.365 | 17.358 | -0.302 | 17.374 | -0.176 | 17.386 | -0.007 |
| 13.741 | 0.514 | 13.751 | 0.810 | 13.759 | 1.001 | 13.769 | 1.149 | 17.396 | 0.099 | 17.412 | 0.226 | 17.428 | 0.311 | 17.448 | 0.439 |
| 13.789 | 1.276 | 13.799 | 1.128 | 13.815 | 1.066 | 13.833 | 1.172 | 17.462 | 0.376 | 17.472 | 0.292 | 17.488 | 0.018 | 17.508 | -0.129 |
| 13.859 | 1.257 | 13.871 | 1.341 | 13.887 | 1.257 | 13.909 | 1.195 | 17.526 | -0.255 | 17.546 | -0.170 | 17.562 | 0.042 | 17.574 | 0.317 |
| 13.925 | 1.364 | 13.941 | 1.576 | 13.962 | 1.682 | 13.982 | 1.619 | 17.590 | 0.656 | 17.602 | 0.905 | 17.616 | 1.163 | 17.624 | 1.354 |
| 14.058 | -0.026 | 14.072 | -0.385 | 14.086 | -0.574 | 14.104 | -0.510 | 17.646 | 1.460 | 17.658 | 1.355 | 17.672 | 1.187 | 17.688 | 0.850 |
| 14.126 | -0.425 | 14.144 | -0.087 | 14.158 | 0.209 | 14.170 | 0.420 | 17.690 | 0.656 | 17.702 | 0.905 | 17.716 | 1.163 | 17.724 | 1.354 |
| 14.184 | 0.590 | 14.196 | 0.548 | 14.212 | 0.380 | 14.220 | 0.274 | 17.746 | 1.460 | 17.758 | 1.355 | 17.772 | 1.187 | 17.788 | 0.850 |
| 14.230 | 0.106 | 14.246 | -0.105 | 14.258 | -0.167 | 14.280 | -0.188 | 17.835 | 1.004 | 17.849 | 0.793 | 17.865 | 0.477 | 17.881 | 0.141 |
| 14.306 | -0.187 | 14.322 | -0.334 | 14.336 | -0.523 | 14.356 | -0.818 | 17.897 | -0.175 | 17.913 | -0.407 | 17.923 | -0.617 | 17.937 | -0.870 |
| 14.368 | -1.113 | 14.385 | -1.197 | 14.403 | -1.091 | 14.413 | -0.879 | 17.949 | -0.785 | 17.965 | -0.510 | 17.977 | -0.403 | 17.995 | -0.255 |
| 14.431 | -0.731 | 14.443 | -0.582 | 14.455 | -0.455 | 14.471 | -0.265 | 18.009 | -0.148 | 18.017 | -0.190 | 18.025 | -0.232 | 18.043 | -0.315 |
| 14.483 | -0.053 | 14.503 | -0.031 | 14.521 | 0.054 | 14.543 | 0.160 | 18.055 | -0.526 | 18.067 | -0.736 | 18.083 | -0.905 | 18.097 | -1.073 |
| 14.563 | 0.056 | 14.579 | -0.007 | 14.595 | -0.091 | 14.617 | -0.238 | 18.107 | -1.241 | 18.119 | -1.324 | 18.138 | -1.324 | 18.152 | -1.344 |
| 14.633 | -0.132 | 14.653 | -0.068 | 14.663 | 0.016 | 14.675 | 0.143 | 18.184 | -1.343 | 18.194 | -1.258 | 18.216 | -1.110 | 18.234 | -0.899 |
| 14.685 | 0.291 | 14.697 | 0.397 | 14.719 | 0.440 | 14.731 | 0.461 | 18.258 | -0.709 | 18.278 | -0.582 | 18.296 | -0.371 | 18.308 | -0.181 |
| 14.747 | 0.567 | 14.769 | 0.589 | 14.781 | 0.526 | 14.798 | 0.484 | 18.332 | 0.157 | 18.346 | 0.325 | 18.362 | 0.389 | 18.384 | 0.452 |
| 14.810 | 0.337 | 14.832 | 0.147 | 14.848 | 0.021 | 14.864 | -0.084 | 18.404 | 0.410 | 18.420 | 0.241 | 18.446 | 0.325 | 18.460 | 0.389 |
| 14.880 | -0.084 | 14.898 | -0.083 | 14.914 | -0.104 | 14.930 | -0.188 | 18.482 | 0.494 | 18.500 | 0.558 | 18.522 | 0.600 | 18.540 | 0.684 |
| 14.950 | -0.208 | 14.968 | -0.229 | 14.982 | -0.229 | 14.994 | -0.187 | 18.561 | 0.600 | 18.571 | 0.516 | 18.585 | 0.410 | 18.599 | 0.283 |
| 15.012 | -0.103 | 15.024 | -0.039 | 15.034 | -0.018 | 15.054 | 0.066 | 18.617 | 0.177 | 18.629 | 0.134 | 18.641 | 0.133 | 18.661 | 0.069 |
| 15.068 | 0.171 | 15.084 | 0.234 | 15.112 | 0.318 | 15.124 | 0.234 | 18.681 | 0.005 | 18.697 | 0.004 | 18.707 | -0.080 | 18.721 | -0.102 |
| 15.142 | 0.086 | 15.160 | -0.231 | 15.176 | -0.464 | 15.190 | -0.717 | 18.737 | -0.103 | 18.759 | -0.019 | 18.771 | -0.086 | 18.787 | -0.108 |
| 15.204 | -0.907 | 15.221 | -0.950 | 15.249 | -0.866 | 15.259 | -0.718 | 18.811 | 0.190 | 18.827 | 0.126 | 18.843 | 0.041 | 18.861 | -0.108 |
| 15.273 | -0.570 | 15.283 | -0.423 | 15.301 | -0.296 | 15.317 | -0.212 | 18.875 | -0.235 | 18.891 | -0.320 | 18.905 | -0.363 | 18.921 | -0.279 |
| 15.337 | -0.318 | 15.351 | -0.508 | 15.365 | -0.677 | 15.379 | -0.931 | 18.943 | -0.132 | 18.974 | -0.133 | 19.002 | -0.155 | 19.014 | -0.241 |
| 15.389 | -1.416 | 15.403 | -1.691 | 15.413 | -1.902 | 15.427 | -2.049 | 19.028 | -0.347 | 19.044 | -0.496 | 19.060 | -0.644 | 19.082 | -0.624 |
| 15.443 | -2.091 | 15.455 | -2.197 | 15.477 | -2.091 | 15.493 | -1.985 | 19.100 | -0.779 | 19.126 | -0.795 | 19.154 | -0.681 | 19.184 | -0.641 |
| 15.507 | -1.774 | 15.521 | -1.626 | 15.533 | -1.499 | 15.557 | -1.372 | 19.210 | -0.710 | 19.238 | -0.801 | 19.270 | -0.845 | 19.294 | -0.720 |
| 15.587 | -1.287 | 15.603 | -1.118 | 15.621 | -1.033 | 15.636 | -0.906 | 19.314 | -0.637 | 19.334 | -0.384 | 19.354 | -0.111 | 19.374 | 0.184 |
| 15.654 | -0.779 | 15.668 | -0.610 | 15.678 | -0.441 | 15.696 | -0.357 | 19.391 | 0.331 | 19.407 | 0.415 | 19.419 | 0.521 | 19.429 | 0.542 |
| 15.710 | -0.272 | 15.722 | -0.124 | 15.736 | 0.003 | 15.750 | 0.278 | 19.451 | 0.478 | 19.469 | 0.436 | 19.487 | 0.351 | 19.507 | 0.393 |
| 15.768 | 0.468 | 15.778 | 0.658 | 15.794 | 0.743 | 15.812 | 0.785 | 19.525 | 0.477 | 19.537 | 0.625 | 19.551 | 0.878 | 19.563 | 1.004 |
| 15.832 | 0.764 | 15.844 | 0.828 | 15.860 | 0.576 | 15.874 | 1.060 | 19.581 | 1.131 | 19.595 | 1.194 | 19.607 | 1.215 | 19.621 | 1.194 |
| 15.890 | 1.124 | 15.906 | 1.082 | 15.918 | 1.188 | 15.938 | 1.315 | 19.645 | 1.131 | 19.661 | 1.024 | 19.675 | 0.876 | 19.691 | 0.792 |
| 15.958 | 1.252 | 15.970 | 1.041 | 15.986 | 0.872 | 15.998 | 0.682 | 19.707 | 0.655 | 19.719 | 0.897 | 19.747 | 1.065 | 19.763 | 1.002 |
| 16.012 | 0.429 | 16.030 | 0.197 | 16.046 | 0.113 | 16.061 | -0.035 | 19.775 | 0.959 | 19.789 | 0.955 | 19.800 | 0.917 | 19.816 | 0.700 |
| 16.083 | 0.050 | 16.123 | 0.198 | 16.123 | 0.050 | 16.151 | -0.114 | 19.832 | 0.474 | 19.846 | 0.348 | 19.852 | 0.158 | 19.862 | 0.011 |
| 16.175 | 0.114 | 16.195 | 0.177 | 16.205 | 0.071 | 16.219 | -0.035 | 19.876 | -0.179 | 19.886 | -0.242 | 19.898 | -0.516 | 19.912 | -0.621 |
| 16.245 | -0.226 | 16.251 | -0.437 | 16.267 | -0.607 | 16.285 | -0.460 | 19.942 | -0.684 | 19.942 | -0.811 | 19.960 | -0.768 | 19.976 | -0.662 |
| 16.303 | -0.165 | 16.317 | -0.003 | 16.331 | 0.151 | 16.345 | 0.234 | 19.990 | -0.683 | 19.996 | -0.556 | 20.018 | -0.513 | 20.036 | -0.618 |
| 16.363 | 0.339 | 16.381 | 0.423 | 16.399 | 0.422 | 16.415 | 0.401 | 20.046 | -1.081 | 20.060 | -0.829 | 20.076 | -0.955 | 20.088 | -1.039 |
| 16.435 | 0.484 | 16.453 | 0.441 | 16.470 | 0.335 | 16.486 | 0.166 | 20.104 | -0.702 | 20.118 | -0.575 | 20.128 | -0.932 | 20.146 | -0.847 |
| | | | | | | | | 20.164 | -0.784 | 20.172 | -0.678 | 20.190 | -0.551 | 20.206 | -0.592 |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 20.225 | -0.571 | 20.237 | -0.761 | 20.253 | -0.781 | 20.263 | -0.865 | 24.092 | 0.621 | 24.108 | 0.431 | 24.126 | 0.304 | 24.144 | 0.135 |
| 20.279 | -0.928 | 20.295 | -0.928 | 20.317 | -1.033 | 20.335 | -0.969 | 24.166 | 0.135 | 24.182 | 0.199 | 24.200 | 0.178 | 24.214 | 0.199 |
| 20.357 | -0.905 | 20.375 | -0.905 | 20.391 | -0.799 | 20.413 | -0.819 | 24.234 | 0.242 | 24.250 | 0.285 | 24.266 | 0.180 | 24.280 | 0.160 |
| 20.429 | -0.713 | 20.457 | -0.670 | 20.473 | -0.649 | 20.513 | -0.626 | 24.290 | 0.075 | 24.298 | 0.055 | 24.306 | -0.029 | 24.320 | -0.134 |
| 20.535 | -0.605 | 20.557 | -0.520 | 20.577 | -0.456 | 20.593 | -0.371 | 24.328 | -0.197 | 24.338 | -0.260 | 24.350 | -0.029 | 24.360 | -0.260 |
| 20.615 | -0.264 | 20.634 | -0.179 | 20.648 | -0.094 | 20.664 | -0.115 | 24.378 | -0.259 | 24.393 | -0.275 | 24.401 | -0.279 | 24.415 | -0.215 |
| 20.686 | -0.114 | 20.702 | -0.134 | 20.720 | -0.155 | 20.738 | -0.133 | 24.425 | -0.215 | 24.433 | -0.214 | 24.449 | -0.214 | 24.467 | -0.361 |
| 20.758 | -0.005 | 20.774 | -0.101 | 20.792 | -0.186 | 20.808 | -0.356 | 24.481 | -0.403 | 24.495 | -0.450 | 24.507 | -0.549 | 24.521 | -0.328 |
| 20.822 | 0.483 | 20.832 | 0.673 | 20.848 | 0.843 | 20.862 | 0.949 | 24.533 | -0.422 | 24.549 | -0.521 | 24.567 | -0.336 | 24.579 | -0.335 |
| 20.878 | 1.034 | 20.890 | 1.077 | 20.904 | 1.035 | 20.918 | 1.036 | 24.595 | -0.314 | 24.607 | -0.186 | 24.617 | -0.207 | 24.631 | -0.207 |
| 20.930 | 0.973 | 20.950 | 1.037 | 20.962 | 1.143 | 20.984 | 1.249 | 24.641 | -0.248 | 24.655 | -0.248 | 24.667 | -0.226 | 24.685 | -0.226 |
| 21.000 | 1.335 | 21.022 | 1.378 | 21.042 | 1.336 | 21.057 | 1.231 | 24.705 | -0.204 | 24.713 | -0.203 | 24.727 | -0.182 | 24.731 | -0.182 |
| 21.075 | 1.211 | 21.093 | 1.064 | 21.111 | 0.874 | 21.131 | 0.748 | 24.747 | -0.160 | 24.755 | -0.181 | 24.771 | -0.074 | 24.791 | -0.031 |
| 21.149 | 0.580 | 21.167 | 0.644 | 21.187 | 0.645 | 21.203 | 0.646 | 24.808 | -0.052 | 24.820 | 0.075 | 24.834 | 0.075 | 24.848 | 0.034 |
| 21.223 | 0.520 | 21.241 | 0.394 | 21.259 | 0.226 | 21.273 | 0.100 | 24.850 | 0.013 | 24.864 | -0.007 | 24.876 | -0.070 | 24.884 | -0.112 |
| 21.291 | -0.047 | 21.311 | -0.152 | 21.335 | -0.278 | 21.357 | -0.150 | 24.898 | -0.154 | 24.912 | -0.174 | 24.932 | -0.131 | 24.948 | -0.067 |
| 21.377 | -0.107 | 21.393 | -0.107 | 21.407 | -0.107 | 21.425 | -0.107 | 24.966 | 0.018 | 24.978 | 0.103 | 24.992 | 0.145 | 25.004 | 0.146 |
| 21.439 | -0.107 | 21.455 | -0.213 | 21.478 | -0.129 | 21.500 | 0.061 | 25.018 | 0.146 | 25.034 | 0.188 | 25.044 | 0.167 | 25.052 | 0.167 |
| 21.516 | 0.294 | 21.536 | 0.294 | 21.554 | 0.399 | 21.572 | 0.547 | 25.060 | 0.167 | 25.076 | 0.146 | 25.088 | 0.125 | 25.104 | 0.104 |
| 21.588 | 0.568 | 21.604 | 0.632 | 21.624 | 0.653 | 21.650 | 0.674 | 25.124 | 0.083 | 25.146 | 0.125 | 25.168 | 0.188 | 25.194 | 0.336 |
| 21.680 | 0.695 | 21.704 | 0.758 | 21.730 | 0.800 | 21.756 | 0.695 | 25.208 | 0.273 | 25.225 | 0.252 | 25.237 | 0.252 | 25.261 | 0.188 |
| 21.772 | 0.568 | 21.792 | 0.399 | 21.810 | 0.209 | 21.834 | 0.039 | 25.277 | 0.205 | 25.297 | 0.209 | 25.309 | 0.188 | 25.319 | 0.146 |
| 21.852 | -0.109 | 21.878 | -0.237 | 21.907 | -0.343 | 21.931 | -0.470 | 25.335 | 0.062 | 25.357 | 0.083 | 25.377 | 0.104 | 25.389 | 0.146 |
| 21.935 | -0.492 | 21.979 | -0.598 | 22.001 | -0.725 | 22.025 | -0.747 | 25.407 | 0.146 | 25.425 | 0.061 | 25.441 | 0.019 | 25.453 | -0.024 |
| 22.043 | -0.811 | 22.063 | -0.664 | 22.083 | -0.537 | 22.107 | -0.369 | 25.471 | -0.024 | 25.493 | -0.105 | 25.515 | -0.131 | 25.541 | -0.216 |
| 22.125 | -0.243 | 22.145 | -0.159 | 22.171 | -0.054 | 22.183 | -0.139 | 25.561 | -0.322 | 25.579 | -0.450 | 25.595 | -0.555 | 25.613 | -0.493 |
| 22.201 | -0.139 | 22.217 | -0.203 | 22.233 | -0.245 | 22.253 | -0.372 | 25.630 | -0.387 | 25.646 | -0.303 | 25.666 | -0.177 | 25.686 | -0.220 |
| 22.269 | -0.267 | 22.285 | -0.246 | 22.300 | -0.204 | 22.318 | -0.120 | 25.700 | -0.326 | 25.740 | -0.432 | 25.740 | -0.496 | 25.756 | -0.370 |
| 22.332 | -0.056 | 22.346 | -0.057 | 22.370 | -0.120 | 22.386 | -0.311 | 25.774 | -0.307 | 25.798 | -0.233 | 25.816 | -0.202 | 25.830 | -0.160 |
| 22.396 | -0.374 | 22.406 | -0.459 | 22.428 | -0.628 | 22.440 | -0.712 | 25.850 | -0.161 | 25.866 | -0.056 | 25.884 | -0.035 | 25.898 | 0.028 |
| 22.432 | -0.818 | 22.460 | -0.860 | 22.478 | -0.797 | 22.500 | -0.734 | 25.898 | 0.070 | 25.922 | 0.133 | 25.940 | 0.132 | 25.948 | 0.111 |
| 22.514 | -0.608 | 22.518 | -0.587 | 22.532 | -0.545 | 22.546 | -0.418 | 25.966 | 0.110 | 25.980 | 0.089 | 25.996 | 0.025 | 26.012 | 0.088 |
| 22.564 | -0.482 | 22.580 | -0.524 | 22.598 | -0.482 | 22.614 | -0.439 | 26.032 | 0.172 | 26.044 | 0.214 | 26.055 | 0.298 | 26.071 | 0.256 |
| 22.634 | -0.376 | 22.650 | -0.227 | 22.660 | -0.100 | 22.676 | -0.037 | 26.099 | 0.255 | 26.123 | 0.191 | 26.147 | 0.190 | 26.171 | 0.211 |
| 22.704 | 0.196 | 22.704 | 0.323 | 22.717 | 0.429 | 22.733 | 0.450 | 26.189 | 0.231 | 26.205 | 0.231 | 26.217 | 0.252 | 26.231 | 0.230 |
| 22.747 | 0.578 | 22.759 | 0.536 | 22.773 | 0.494 | 22.787 | 0.473 | 26.245 | 0.188 | 26.261 | 0.145 | 26.283 | 0.103 | 26.303 | 0.081 |
| 22.797 | 0.431 | 22.807 | 0.368 | 22.827 | 0.326 | 22.843 | 0.369 | 26.325 | 0.145 | 26.343 | 0.165 | 26.367 | 0.250 | 26.389 | 0.228 |
| 22.855 | 0.496 | 22.871 | 0.517 | 22.885 | 0.581 | 22.901 | 0.666 | 26.411 | 0.228 | 26.429 | 0.185 | 26.453 | 0.185 | 26.470 | 0.185 |
| 22.913 | 0.730 | 22.925 | 0.772 | 22.937 | 0.794 | 22.957 | 0.794 | 26.492 | 0.227 | 26.512 | 0.248 | 26.526 | 0.290 | 26.550 | 0.353 |
| 22.971 | 0.773 | 22.983 | 0.710 | 23.003 | 0.563 | 23.019 | 0.458 | 26.566 | 0.352 | 26.584 | 0.310 | 26.604 | 0.268 | 26.624 | 0.141 |
| 23.033 | 0.311 | 23.049 | 0.100 | 23.067 | -0.068 | 23.079 | -0.110 | 26.646 | 0.014 | 26.668 | 0.035 | 26.690 | 0.077 | 26.710 | 0.141 |
| 23.101 | -0.193 | 23.117 | -0.214 | 23.140 | -0.213 | 23.166 | -0.191 | 26.730 | 0.077 | 26.748 | -0.028 | 26.766 | -0.155 | 26.780 | -0.239 |
| 23.190 | -0.232 | 23.206 | -0.358 | 23.226 | -0.399 | 23.246 | -0.420 | 26.798 | -0.345 | 26.816 | -0.387 | 26.838 | -0.366 | 26.862 | -0.282 |
| 23.264 | -0.482 | 23.280 | -0.545 | 23.302 | -0.544 | 23.326 | -0.522 | 26.881 | -0.303 | 26.901 | -0.282 | 26.911 | -0.282 | 26.921 | -0.282 |
| 23.340 | -0.500 | 23.356 | -0.394 | 23.376 | -0.415 | 23.394 | -0.414 | 26.935 | -0.303 | 26.949 | -0.324 | 26.961 | -0.408 | 26.973 | -0.450 |
| 23.414 | -0.456 | 23.428 | -0.561 | 23.450 | -0.625 | 23.468 | -0.667 | 26.989 | -0.514 | 27.009 | -0.450 | 27.021 | -0.408 | 27.035 | -0.366 |
| 23.484 | -0.688 | 23.504 | -0.709 | 23.526 | -0.709 | 23.547 | -0.625 | 27.047 | -0.282 | 27.055 | -0.239 | 27.073 | -0.239 | 27.087 | -0.157 |
| 23.561 | -0.498 | 23.573 | -0.414 | 23.591 | -0.308 | 23.605 | -0.139 | 27.107 | -0.197 | 27.125 | -0.155 | 27.135 | -0.070 | 27.149 | 0.035 |
| 23.621 | -0.118 | 23.641 | -0.034 | 23.657 | -0.034 | 23.671 | 0.030 | 27.167 | 0.162 | 27.183 | 0.246 | 27.193 | 0.310 | 27.207 | 0.352 |
| 23.689 | 0.135 | 23.711 | 0.114 | 23.727 | 0.135 | 23.753 | 0.176 | 27.231 | 0.479 | 27.249 | 0.521 | 27.265 | 0.584 | 27.279 | 0.647 |
| 23.777 | 0.178 | 23.797 | 0.283 | 23.797 | 0.410 | 23.813 | 0.473 | 27.294 | 0.690 | 27.306 | 0.669 | 27.320 | 0.690 | 27.336 | 0.711 |
| 23.825 | 0.537 | 23.843 | 0.705 | 23.857 | 0.684 | 23.871 | 0.600 | 27.350 | 0.690 | 27.360 | 0.711 | 27.376 | 0.711 | 27.384 | 0.753 |
| 23.889 | 0.558 | 23.905 | 0.537 | 23.911 | 0.494 | 23.929 | 0.410 | 27.398 | 0.774 | 27.416 | 0.816 | 27.430 | 0.774 | 27.438 | 0.732 |
| 23.945 | 0.389 | 23.959 | 0.410 | 23.970 | 0.494 | 23.984 | 0.558 | 27.448 | 0.669 | 27.460 | 0.584 | 27.480 | 0.542 | 27.494 | 0.500 |
| 23.998 | 0.621 | 24.008 | 0.748 | 24.014 | 0.832 | 24.024 | 0.874 | 27.512 | 0.645 | 27.528 | 0.542 | 27.544 | 0.310 | 27.558 | 0.267 |
| 24.040 | 0.938 | 24.054 | 0.917 | 24.064 | 0.853 | 24.078 | 0.727 | 27.574 | 0.204 | 27.576 | 0.141 | 27.586 | 0.141 | 27.594 | 0.077 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27.602 | 0.098 | 27.610 | 0.014 | 27.624 | -0.049 | 27.646 | -0.070 | 31.227 | -0.516 | 31.239 | -0.432 | 31.249 | -0.390 | 31.259 | -0.326 |
| 27.656 | -0.070 | 27.666 | -0.070 | 27.678 | -0.070 | 27.690 | -0.070 | 31.271 | -0.200 | 31.283 | -0.116 | 31.313 | 0.011 | 31.331 | 0.074 |
| 27.700 | -0.134 | 27.719 | -0.218 | 27.735 | -0.324 | 27.751 | -0.366 | 31.343 | 0.116 | 31.357 | 0.179 | 31.363 | 0.242 | 31.385 | 0.284 |
| 27.767 | -0.472 | 27.779 | -0.514 | 27.803 | -0.577 | 27.825 | -0.619 | 31.407 | 0.284 | 31.419 | 0.326 | 31.449 | 0.410 | 31.478 | 0.495 |
| 27.843 | -0.662 | 27.865 | -0.683 | 27.881 | -0.683 | 27.903 | -0.684 | 31.500 | 0.601 | 31.516 | 0.727 | 31.528 | 0.812 | 31.546 | 0.855 |
| 27.929 | -0.705 | 27.951 | -0.842 | 27.971 | -0.663 | 27.987 | -0.579 | 31.560 | 0.876 | 31.574 | 0.834 | 31.586 | 0.834 | 31.596 | 0.771 |
| 27.999 | -0.600 | 28.017 | -0.537 | 28.033 | -0.580 | 28.039 | -0.538 | 31.616 | 0.708 | 31.628 | 0.687 | 31.648 | 0.624 | 31.678 | 0.645 |
| 28.071 | -0.475 | 28.083 | -0.433 | 28.099 | -0.433 | 28.115 | -0.370 | 31.692 | 0.666 | 31.712 | 0.751 | 31.724 | 0.836 | 31.742 | 0.878 |
| 28.136 | -0.349 | 28.148 | -0.286 | 28.162 | -0.201 | 28.170 | -0.117 | 31.760 | 0.836 | 31.786 | 0.794 | 31.804 | 0.889 | 31.812 | 0.562 |
| 28.184 | -0.075 | 28.188 | -0.012 | 28.198 | 0.009 | 28.204 | 0.136 | 31.832 | 0.436 | 31.848 | 0.225 | 31.872 | 0.098 | 31.883 | 0.098 |
| 28.226 | 0.199 | 28.242 | 0.305 | 28.256 | 0.347 | 28.274 | 0.390 | 31.899 | 0.098 | 31.915 | 0.098 | 31.935 | 0.097 | 31.953 | 0.118 |
| 28.288 | 0.453 | 28.298 | 0.453 | 28.314 | 0.559 | 28.328 | 0.644 | 31.977 | 0.012 | 31.989 | -0.093 | 32.005 | -0.178 | 32.017 | -0.242 |
| 28.336 | 0.665 | 28.346 | 0.686 | 28.360 | 0.771 | 28.376 | 0.771 | 32.035 | -0.326 | 32.049 | -0.453 | 32.059 | -0.517 | 32.081 | -0.517 |
| 28.388 | 0.750 | 28.408 | 0.729 | 28.422 | 0.687 | 28.436 | 0.561 | 32.097 | -0.538 | 32.107 | -0.538 | 32.125 | -0.517 | 32.139 | -0.497 |
| 28.450 | 0.519 | 28.468 | 0.477 | 28.480 | 0.435 | 28.498 | 0.435 | 32.149 | -0.497 | 32.163 | -0.497 | 32.177 | -0.518 | 32.195 | -0.561 |
| 28.514 | 0.477 | 28.528 | 0.435 | 28.544 | 0.414 | 28.563 | 0.415 | 32.211 | -0.603 | 32.227 | -0.624 | 32.247 | -0.709 | 32.267 | -0.667 |
| 28.577 | 0.330 | 28.593 | 0.225 | 28.603 | 0.098 | 28.613 | 0.014 | 32.283 | -0.647 | 32.302 | -0.542 | 32.324 | -0.501 | 32.342 | -0.460 |
| 28.625 | -0.091 | 28.635 | -0.197 | 28.653 | -0.323 | 28.665 | -0.449 | 32.358 | -0.460 | 32.370 | -0.460 | 32.380 | -0.461 | 32.400 | -0.462 |
| 28.679 | -0.491 | 28.697 | -0.553 | 28.713 | -0.574 | 28.731 | -0.594 | 32.420 | -0.420 | 32.436 | -0.442 | 32.452 | -0.400 | 32.482 | -0.338 |
| 28.753 | -0.614 | 28.771 | -0.635 | 28.793 | -0.697 | 28.809 | -0.739 | 32.498 | -0.233 | 32.514 | -0.171 | 32.526 | -0.129 | 32.548 | -0.045 |
| 28.821 | -0.738 | 28.843 | -0.801 | 28.859 | -0.843 | 28.883 | -0.842 | 32.572 | -0.046 | 32.594 | -0.005 | 32.616 | -0.006 | 32.636 | -0.007 |
| 28.899 | -0.841 | 28.913 | -0.819 | 28.927 | -0.798 | 28.945 | -0.755 | 32.662 | 0.077 | 32.698 | 0.245 | 32.731 | 0.286 | 32.747 | 0.352 |
| 28.955 | -0.712 | 28.970 | -0.690 | 28.986 | -0.690 | 28.996 | -0.542 | 32.769 | 0.412 | 32.795 | 0.369 | 32.821 | 0.326 | 32.851 | 0.325 |
| 29.008 | -0.478 | 29.020 | -0.372 | 29.038 | -0.325 | 29.052 | -0.203 | 32.871 | 0.325 | 32.893 | 0.324 | 32.919 | 0.324 | 32.943 | 0.281 |
| 29.068 | -0.118 | 29.086 | -0.076 | 29.096 | -0.034 | 29.110 | 0.051 | 32.963 | 0.196 | 32.981 | 0.153 | 32.995 | 0.068 | 33.011 | 0.026 |
| 29.132 | 0.093 | 29.148 | 0.093 | 29.158 | 0.135 | 29.180 | 0.241 | 33.027 | -0.080 | 33.047 | -0.081 | 33.077 | -0.164 | 33.101 | -0.227 |
| 29.190 | 0.283 | 29.206 | 0.410 | 29.222 | 0.515 | 29.234 | 0.621 | 33.123 | -0.247 | 33.144 | -0.246 | 33.160 | -0.246 | 33.174 | -0.245 |
| 29.246 | 0.726 | 29.258 | 0.790 | 29.274 | 0.874 | 29.286 | 0.959 | 33.190 | -0.245 | 33.208 | -0.244 | 33.222 | -0.307 | 33.240 | -0.306 |
| 29.298 | 1.022 | 29.310 | 0.980 | 29.322 | 0.938 | 29.338 | 0.917 | 33.262 | -0.326 | 33.280 | -0.262 | 33.300 | -0.198 | 33.316 | -0.176 |
| 29.356 | 0.853 | 29.374 | 0.832 | 29.405 | 0.895 | 29.415 | 0.959 | 33.340 | -0.154 | 33.362 | -0.132 | 33.380 | -0.132 | 33.398 | -0.110 |
| 29.439 | 0.959 | 29.461 | 0.995 | 29.471 | 0.853 | 29.485 | 0.789 | 33.416 | -0.109 | 33.434 | -0.087 | 33.452 | -0.065 | 33.470 | -0.001 |
| 29.499 | 0.705 | 29.509 | 0.620 | 29.523 | 0.451 | 29.541 | 0.324 | 33.488 | -0.000 | 33.510 | 0.001 | 33.536 | 0.002 | 33.553 | 0.087 |
| 29.557 | 0.218 | 29.571 | 0.155 | 29.589 | 0.112 | 29.603 | 0.028 | 33.575 | 0.173 | 33.605 | 0.154 | 33.633 | 0.113 | 33.653 | 0.050 |
| 29.627 | -0.057 | 29.653 | -0.100 | 29.677 | -0.205 | 29.695 | -0.332 | 33.675 | 0.073 | 33.701 | 0.074 | 33.727 | 0.097 | 33.749 | 0.077 |
| 29.717 | -0.459 | 29.727 | -0.586 | 29.739 | -0.628 | 29.755 | -0.713 | 33.767 | 0.120 | 33.791 | 0.142 | 33.809 | 0.185 | 33.835 | 0.187 |
| 29.779 | -0.819 | 29.791 | -0.819 | 29.802 | -0.840 | 29.824 | -0.862 | 33.857 | 0.124 | 33.885 | 0.083 | 33.907 | 0.104 | 33.929 | 0.083 |
| 29.840 | -0.904 | 29.856 | -0.989 | 29.868 | -1.052 | 29.880 | -1.115 | 33.949 | 0.063 | 33.966 | 0.147 | 33.976 | 0.084 | 33.994 | 0.126 |
| 29.896 | -1.157 | 29.916 | -1.072 | 29.936 | -1.114 | 29.950 | -1.072 | 34.014 | 0.084 | 34.030 | 0.106 | 34.042 | 0.169 | 34.072 | 0.127 |
| 29.958 | -1.030 | 29.972 | -0.987 | 29.990 | -0.903 | 30.006 | -0.797 | 34.104 | 0.170 | 34.122 | 0.151 | 34.144 | 0.128 | 34.168 | 0.129 |
| 30.010 | -0.712 | 30.022 | -0.670 | 30.036 | -0.606 | 30.054 | -0.501 | 34.186 | 0.171 | 34.200 | 0.150 | 34.208 | 0.214 | 34.222 | 0.277 |
| 30.078 | -0.479 | 30.102 | -0.458 | 30.120 | -0.352 | 30.150 | -0.225 | 34.234 | 0.277 | 34.250 | 0.256 | 34.278 | 0.193 | 34.290 | 0.150 |
| 30.178 | -0.182 | 30.198 | -0.013 | 30.215 | 0.114 | 30.237 | 0.346 | 34.310 | 0.023 | 34.324 | -0.083 | 34.336 | -0.189 | 34.346 | -0.147 |
| 30.255 | 0.536 | 30.273 | 0.642 | 30.289 | 0.727 | 30.309 | 0.832 | 34.366 | -0.106 | 34.383 | -0.064 | 34.399 | -0.043 | 34.411 | 0.062 |
| 30.311 | 0.874 | 30.321 | 0.917 | 30.343 | 0.959 | 30.353 | 1.022 | 34.425 | 0.146 | 34.439 | 0.251 | 34.449 | 0.356 | 34.467 | 0.313 |
| 30.367 | 1.022 | 30.393 | 1.001 | 30.417 | 1.064 | 30.439 | 1.128 | 34.483 | 0.270 | 34.499 | 0.185 | 34.517 | 0.163 | 34.531 | 0.141 |
| 30.453 | 1.191 | 30.471 | 1.297 | 30.487 | 1.381 | 30.509 | 1.423 | 34.547 | 0.141 | 34.561 | 0.119 | 34.577 | 0.161 | 34.599 | 0.117 |
| 30.527 | 1.381 | 30.549 | 1.318 | 30.565 | 1.191 | 30.577 | 1.107 | 34.617 | 0.075 | 34.641 | 0.095 | 34.663 | 0.052 | 34.683 | 0.093 |
| 30.593 | 1.001 | 30.617 | 0.874 | 30.634 | 0.769 | 30.654 | 0.663 | 34.699 | 0.155 | 34.719 | 0.133 | 34.737 | 0.089 | 34.753 | 0.045 |
| 30.674 | 0.578 | 30.698 | 0.450 | 30.712 | 0.386 | 30.730 | 0.322 | 34.777 | -0.062 | 34.796 | -0.021 | 34.814 | 0.062 | 34.832 | 0.124 |
| 30.752 | 0.173 | 30.770 | 0.046 | 30.792 | 0.082 | 30.810 | -0.230 | 34.850 | 0.249 | 34.866 | 0.290 | 34.882 | 0.352 | 34.896 | 0.330 |
| 30.826 | -0.336 | 30.848 | -0.464 | 30.870 | -0.549 | 30.882 | -0.571 | 34.912 | 0.307 | 34.928 | 0.200 | 34.912 | 0.157 | 34.958 | 0.008 |
| 30.902 | -0.677 | 30.934 | -0.805 | 30.956 | -0.869 | 30.976 | -0.891 | 34.970 | -0.078 | 34.984 | -0.184 | 34.994 | -0.101 | 35.008 | -0.038 |
| 30.986 | -0.976 | 31.024 | -0.999 | 31.042 | -0.999 | 31.057 | -0.957 | 35.018 | 0.045 | 35.028 | 0.129 | 35.040 | 0.212 | 35.052 | 0.359 |
| 31.071 | -0.936 | 31.087 | -0.937 | 31.095 | -0.937 | 31.105 | -0.916 | 35.066 | 0.464 | 35.080 | 0.526 | 35.092 | 0.547 | 35.104 | 0.504 |
| 31.121 | -0.895 | 31.133 | -0.895 | 31.145 | -0.832 | 31.151 | -0.768 | 35.116 | 0.398 | 35.130 | 0.250 | 35.144 | 0.144 | 35.152 | -0.025 |
| 31.171 | -0.769 | 31.183 | -0.706 | 31.195 | -0.685 | 31.211 | -0.621 | 35.164 | -0.194 | 35.178 | -0.448 | 35.190 | -0.617 | 35.202 | -0.660 |

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|--------|--------|--------|--------|--------|--------|--------|--------|
| 35.219 | -0.597 | 35.229 | -0.491 | 35.237 | -0.428 | 35.251 | -0.281 |
| 35.259 | -0.175 | 35.273 | -0.091 | 35.281 | -0.049 | 35.291 | -0.050 |
| 35.297 | 0.014 | 35.315 | 0.055 | 35.329 | 0.013 | 35.343 | 0.051 |
| 35.361 | -0.115 | 35.373 | -0.221 | 35.389 | -0.327 | 35.405 | -0.454 |
| 35.421 | -0.581 | 35.435 | -0.645 | 35.451 | -0.561 | 35.465 | -0.477 |
| 35.477 | -0.413 | 35.491 | -0.307 | 35.509 | -0.307 | 35.521 | -0.527 |
| 35.537 | -0.327 | 35.555 | -0.305 | 35.573 | -0.325 | 35.589 | -0.367 |
| 35.605 | -0.345 | 35.621 | -0.302 | 35.636 | -0.280 | 35.652 | -0.280 |
| 35.666 | -0.279 | 35.684 | -0.300 | 35.706 | -0.299 | 35.722 | -0.298 |
| 35.738 | -0.319 | 35.754 | -0.318 | 35.766 | -0.318 | 35.786 | -0.211 |
| 35.802 | -0.126 | 35.812 | -0.062 | 35.832 | -0.086 | 35.850 | 0.192 |
| 35.860 | 0.172 | 35.876 | 0.172 | 35.892 | 0.131 | 35.906 | 0.026 |
| 35.922 | -0.100 | 35.934 | -0.100 | 35.950 | -0.099 | 35.974 | -0.014 |
| 35.990 | 0.177 | 35.996 | 0.198 | 36.006 | 0.283 | 36.020 | 0.474 |
| 36.030 | 0.537 | 36.042 | 0.665 | 36.051 | 0.707 | 36.061 | 0.707 |
| 36.069 | 0.687 | 36.085 | 0.687 | 36.099 | 0.625 | 36.119 | 0.456 |
| 36.133 | 0.436 | 36.151 | 0.310 | 36.167 | 0.353 | 36.179 | 0.395 |
| 36.195 | 0.459 | 36.207 | 0.439 | 36.221 | 0.418 | 36.233 | 0.461 |
| 36.253 | 0.441 | 36.269 | 0.378 | 36.279 | 0.378 | 36.293 | 0.294 |
| 36.309 | 0.167 | 36.323 | 0.082 | 36.347 | -0.087 | 36.363 | -0.129 |
| 36.373 | -0.214 | 36.397 | -0.214 | 36.419 | -0.172 | 36.437 | -0.130 |
| 36.447 | -0.173 | 36.502 | -0.258 | 36.516 | -0.279 | 36.532 | -0.343 |
| 36.550 | -0.322 | 36.590 | -0.365 | 36.600 | -0.386 | 36.620 | -0.386 |
| 36.652 | -0.387 | 36.670 | -0.345 | 36.688 | -0.307 | 36.704 | -0.284 |
| 36.724 | -0.307 | 36.740 | -0.287 | 36.760 | -0.204 | 36.774 | -0.206 |
| 36.790 | -0.165 | 36.806 | -0.103 | 36.814 | -0.019 | 36.832 | 0.042 |
| 36.854 | 0.083 | 36.870 | 0.081 | 36.885 | 0.017 | 36.901 | -0.048 |
| 36.919 | -0.113 | 36.937 | -0.178 | 36.953 | -0.074 | 36.973 | 0.030 |
| 36.989 | 0.134 | 37.007 | 0.280 | 37.021 | 0.321 | 37.037 | 0.362 |
| 37.051 | 0.339 | 37.065 | 0.338 | 37.099 | 0.208 | 37.119 | 0.079 |
| 37.143 | 0.012 | 37.165 | 0.073 | 37.185 | 0.134 | 37.217 | 0.299 |
| 37.245 | 0.402 | 37.261 | 0.400 | 37.279 | 0.376 | 37.302 | 0.332 |
| 37.318 | 0.288 | 37.342 | 0.221 | 37.368 | 0.218 | 37.388 | 0.216 |
| 37.408 | 0.235 | 37.422 | 0.254 | 37.446 | 0.230 | 37.464 | 0.165 |
| 37.486 | 0.078 | 37.510 | -0.029 | 37.528 | -0.092 | 37.546 | -0.220 |
| 37.572 | -0.241 | 37.592 | -0.242 | 37.610 | -0.242 | 37.630 | -0.222 |
| 37.654 | -0.180 | 37.672 | -0.180 | 37.696 | -0.244 | 37.721 | -0.306 |
| 37.737 | -0.305 | 37.753 | -0.367 | 37.775 | -0.366 | 37.785 | -0.365 |
| 37.799 | -0.386 | 37.813 | -0.385 | 37.831 | -0.384 | 37.847 | -0.341 |
| 37.865 | -0.297 | 37.879 | -0.276 | 37.889 | -0.234 | 37.899 | -0.234 |
| 37.929 | -0.235 | 37.945 | -0.193 | 37.959 | -0.193 | 37.979 | -0.215 |
| 37.999 | -0.131 | 38.019 | -0.089 | 38.033 | -0.026 | 38.047 | 0.014 |
| 38.061 | -0.050 | 38.081 | -0.031 | 38.097 | -0.033 | 38.117 | 0.007 |
| 38.136 | 0.048 | 38.148 | 0.089 | 38.160 | 0.151 | 38.178 | 0.149 |
| 38.200 | 0.147 | 38.218 | 0.145 | 38.232 | 0.144 | 38.248 | 0.121 |
| 38.264 | 0.120 | 38.276 | 0.076 | 38.296 | -0.010 | 38.308 | -0.052 |
| 38.328 | -0.096 | 38.346 | -0.054 | 38.366 | -0.034 | 38.378 | 0.008 |
| 38.396 | 0.091 | 38.418 | 0.069 | 38.440 | 0.047 | 38.452 | 0.004 |
| 38.466 | 0.003 | 38.480 | -0.019 | 38.492 | 0.061 | 38.506 | -0.104 |
| 38.520 | -0.126 | 38.538 | -0.211 | 38.555 | -0.233 | 38.573 | -0.192 |
| 38.593 | -0.130 | 38.609 | -0.109 | 38.623 | -0.025 | 38.643 | -0.026 |
| 38.657 | -0.006 | 38.675 | 0.014 | 38.689 | -0.007 | 38.707 | 0.034 |

1Q235

71.164 14724 VENTURA BLVD L.A. PENTHOUSE 2/9/71 0600PSI N78W

2255 POINTS 39.254 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR
ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC. G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.8257 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | 0.066 | 0.028 | 0.024 | 0.048 | 0.045 | 0.072 | 0.025 | 2.285 | 0.083 | 2.296 | 0.104 | 2.316 | 0.021 | 2.326 | 0.042 | 2.342 | 0.063 | 2.364 | 0.041 |
| 0.092 | 0.067 | 0.102 | 0.067 | 0.116 | 0.046 | 0.126 | 0.097 | 2.342 | -0.063 | 2.364 | -0.041 | 2.378 | 0.064 | 2.392 | 0.169 | 2.404 | 0.191 | 2.420 | 0.212 |
| 0.140 | 0.068 | 0.158 | 0.068 | 0.176 | 0.047 | 0.196 | 0.087 | 2.404 | 0.191 | 2.420 | 0.212 | 2.422 | 0.233 | 2.436 | 0.142 | 2.452 | 0.129 | 2.470 | 0.086 |
| 0.206 | 0.069 | 0.225 | 0.069 | 0.241 | 0.048 | 0.257 | 0.088 | 2.452 | 0.129 | 2.470 | 0.086 | 2.484 | -0.038 | 2.500 | -0.142 | 2.516 | -0.163 | 2.532 | -0.121 |
| 0.273 | 0.048 | 0.289 | 0.070 | 0.309 | 0.049 | 0.325 | 0.099 | 2.516 | -0.163 | 2.532 | -0.121 | 2.548 | -0.183 | 2.558 | -0.120 | 2.572 | -0.057 | 2.580 | -0.014 |
| 0.337 | 0.049 | 0.351 | 0.049 | 0.363 | 0.050 | 0.381 | 0.050 | 2.572 | -0.057 | 2.580 | -0.014 | 2.594 | 0.028 | 2.606 | 0.049 | 2.620 | 0.092 | 2.634 | 0.134 |
| 0.397 | 0.029 | 0.403 | 0.050 | 0.413 | 0.050 | 0.429 | 0.029 | 2.620 | 0.092 | 2.634 | 0.134 | 2.644 | 0.155 | 2.652 | 0.177 | 2.662 | 0.198 | 2.676 | 0.157 |
| 0.437 | 0.051 | 0.455 | 0.051 | 0.467 | 0.051 | 0.477 | 0.072 | 2.662 | 0.198 | 2.676 | 0.157 | 2.692 | 0.011 | 2.700 | -0.114 | 2.709 | -0.177 | 2.717 | -0.218 |
| 0.487 | 0.072 | 0.497 | 0.093 | 0.511 | 0.052 | 0.529 | 0.092 | 2.709 | -0.177 | 2.717 | -0.218 | 2.723 | -0.218 | 2.737 | -0.217 | 2.749 | -0.154 | 2.759 | -0.090 |
| 0.539 | 0.031 | 0.543 | 0.052 | 0.565 | 0.010 | 0.583 | 0.031 | 2.749 | -0.154 | 2.759 | -0.090 | 2.769 | 0.036 | 2.777 | 0.162 | 2.781 | 0.267 | 2.789 | 0.289 |
| 0.597 | -0.010 | 0.613 | 0.011 | 0.632 | 0.053 | 0.642 | 0.053 | 2.781 | 0.267 | 2.789 | 0.289 | 2.811 | 0.332 | 2.811 | 0.332 | 2.823 | 0.333 | 2.839 | 0.312 |
| 0.662 | 0.095 | 0.672 | 0.117 | 0.698 | 0.075 | 0.708 | 0.094 | 2.823 | 0.333 | 2.839 | 0.312 | 2.851 | 0.334 | 2.871 | 0.356 | 2.879 | 0.252 | 2.891 | 0.105 |
| 0.718 | -0.009 | 0.730 | -0.030 | 0.742 | -0.050 | 0.752 | -0.071 | 2.879 | 0.252 | 2.891 | 0.105 | 2.897 | -0.041 | 2.905 | -0.125 | 2.917 | -0.229 | 2.927 | -0.312 |
| 0.762 | -0.092 | 0.782 | -0.071 | 0.802 | -0.029 | 0.818 | 0.013 | 2.917 | -0.229 | 2.927 | -0.312 | 2.941 | -0.353 | 2.957 | -0.311 | 2.971 | -0.184 | 2.983 | -0.058 |
| 0.832 | 0.075 | 0.846 | 0.095 | 0.860 | 0.137 | 0.878 | 0.137 | 2.971 | -0.184 | 2.983 | -0.058 | 2.995 | 0.027 | 3.005 | 0.174 | 3.021 | 0.259 | 3.035 | 0.365 |
| 0.890 | 0.114 | 0.898 | 0.072 | 0.910 | 0.050 | 0.922 | 0.008 | 3.021 | 0.259 | 3.035 | 0.365 | 3.045 | 0.407 | 3.053 | 0.365 | 3.075 | 0.323 | 3.083 | 0.155 |
| 0.936 | -0.035 | 0.948 | -0.057 | 0.966 | -0.078 | 0.986 | -0.037 | 3.075 | 0.323 | 3.083 | 0.155 | 3.121 | -0.223 | 3.150 | -0.160 | 3.115 | -0.118 | 3.121 | -0.202 |
| 1.002 | -0.038 | 1.026 | -0.039 | 1.043 | 0.023 | 1.057 | 0.084 | 3.115 | -0.118 | 3.121 | -0.202 | 3.176 | -0.013 | 3.190 | 0.113 | 3.160 | -0.055 | 3.176 | -0.013 |
| 1.063 | 0.106 | 1.073 | 0.126 | 1.081 | 0.147 | 1.107 | 0.104 | 3.160 | -0.055 | 3.176 | -0.013 | 3.240 | 0.157 | 3.252 | 0.239 | 3.214 | 0.218 | 3.232 | 0.218 |
| 1.125 | 0.082 | 1.143 | 0.060 | 1.151 | -0.024 | 1.169 | -0.025 | 3.214 | 0.218 | 3.232 | 0.218 | 3.284 | 0.113 | 3.294 | 0.076 | 3.268 | 0.197 | 3.284 | 0.113 |
| 1.197 | -0.027 | 1.223 | 0.014 | 1.233 | 0.034 | 1.249 | 0.097 | 3.268 | 0.197 | 3.284 | 0.113 | 3.334 | -0.097 | 3.350 | -0.076 | 3.318 | -0.076 | 3.334 | -0.097 |
| 1.265 | 0.054 | 1.289 | 0.074 | 1.305 | 0.052 | 1.321 | 0.030 | 3.318 | -0.076 | 3.334 | -0.097 | 3.406 | -0.076 | 3.414 | -0.160 | 3.366 | -0.013 | 3.406 | -0.076 |
| 1.331 | 0.009 | 1.347 | -0.034 | 1.359 | -0.098 | 1.367 | -0.140 | 3.366 | -0.013 | 3.382 | -0.034 | 3.452 | -0.139 | 3.462 | -0.076 | 3.424 | -0.202 | 3.452 | -0.139 |
| 1.375 | -0.161 | 1.385 | -0.141 | 1.397 | -0.162 | 1.409 | -0.163 | 3.424 | -0.202 | 3.432 | -0.244 | 3.492 | 0.112 | 3.508 | 0.091 | 3.470 | -0.013 | 3.492 | 0.112 |
| 1.417 | -0.059 | 1.425 | 0.046 | 1.433 | 0.088 | 1.441 | 0.150 | 3.470 | -0.013 | 3.484 | 0.070 | 3.543 | 0.195 | 3.557 | 0.237 | 3.520 | 0.133 | 3.543 | 0.195 |
| 1.451 | 0.213 | 1.464 | 0.150 | 1.468 | 0.171 | 1.480 | 0.192 | 3.520 | 0.133 | 3.532 | 0.175 | 3.611 | -0.100 | 3.629 | -0.059 | 3.569 | 0.279 | 3.591 | 0.237 |
| 1.496 | 0.129 | 1.502 | 0.045 | 1.512 | -0.018 | 1.522 | -0.060 | 3.569 | 0.279 | 3.591 | 0.237 | 3.695 | -0.058 | 3.711 | -0.100 | 3.679 | 0.005 | 3.695 | -0.058 |
| 1.536 | -0.081 | 1.552 | -0.081 | 1.564 | -0.081 | 1.576 | -0.081 | 3.679 | 0.005 | 3.695 | -0.058 | 3.759 | -0.018 | 3.757 | -0.018 | 3.743 | -0.017 | 3.759 | -0.018 |
| 1.588 | -0.081 | 1.608 | -0.102 | 1.618 | -0.081 | 1.634 | -0.081 | 3.743 | -0.017 | 3.759 | -0.018 | 3.845 | 0.380 | 3.879 | 0.106 | 3.815 | 0.024 | 3.845 | 0.380 |
| 1.650 | -0.018 | 1.660 | 0.045 | 1.666 | 0.108 | 1.678 | 0.129 | 3.815 | 0.024 | 3.845 | 0.380 | 3.927 | 0.232 | 3.976 | 0.106 | 3.927 | 0.274 | 3.943 | 0.232 |
| 1.688 | 0.171 | 1.706 | 0.171 | 1.720 | 0.192 | 1.728 | 0.129 | 3.927 | 0.274 | 3.943 | 0.232 | 4.010 | -0.021 | 4.022 | -0.042 | 3.994 | -0.062 | 4.010 | -0.021 |
| 1.738 | 0.066 | 1.754 | 0.003 | 1.774 | -0.060 | 1.798 | -0.081 | 3.994 | -0.062 | 4.010 | -0.021 | 4.088 | 0.020 | 4.104 | -0.001 | 4.054 | 0.021 | 4.088 | 0.020 |
| 1.808 | -0.102 | 1.834 | -0.081 | 1.848 | -0.039 | 1.860 | -0.039 | 4.054 | 0.021 | 4.072 | -0.042 | 4.154 | -0.148 | 4.168 | -0.190 | 4.122 | -0.022 | 4.154 | -0.148 |
| 1.881 | 0.023 | 1.899 | 0.044 | 1.907 | 0.086 | 1.921 | 0.149 | 4.122 | -0.022 | 4.140 | -0.043 | 4.224 | 0.019 | 4.230 | 0.060 | 4.186 | -0.128 | 4.224 | 0.019 |
| 1.935 | 0.127 | 1.955 | 0.127 | 1.965 | 0.064 | 1.981 | -0.062 | 4.186 | -0.128 | 4.212 | -0.065 | 4.262 | -0.024 | 4.270 | -0.087 | 4.234 | 0.123 | 4.262 | -0.024 |
| 1.989 | -0.167 | 2.007 | -0.272 | 2.017 | -0.209 | 2.029 | -0.125 | 4.234 | 0.123 | 4.262 | -0.024 | 4.306 | -0.039 | 4.320 | -0.005 | 4.288 | -0.067 | 4.306 | -0.039 |
| 2.043 | -0.084 | 2.059 | -0.021 | 2.069 | 0.105 | 2.091 | 0.167 | 4.288 | -0.067 | 4.306 | -0.039 | 4.368 | -0.048 | 4.379 | -0.048 | 4.354 | -0.027 | 4.368 | -0.048 |
| 2.093 | 0.188 | 2.113 | 0.209 | 2.129 | 0.146 | 2.147 | 0.083 | 4.354 | -0.027 | 4.368 | -0.048 | 4.429 | 0.034 | 4.441 | 0.055 | 4.405 | -0.028 | 4.429 | 0.034 |
| 2.157 | 0.041 | 2.171 | -0.002 | 2.193 | -0.023 | 2.209 | -0.065 | 4.405 | -0.028 | 4.429 | 0.034 | 4.471 | 0.365 | 4.481 | 0.263 | 4.461 | 0.327 | 4.471 | 0.365 |
| 2.227 | -0.086 | 2.251 | -0.065 | 2.261 | -0.002 | 2.277 | 0.062 | 4.461 | 0.327 | 4.471 | 0.365 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4.519 | 0.200 | 4.529 | 0.032 | 4.537 | -0.011 | 4.545 | -0.053 | 7.530 | -0.934 | 7.542 | -0.872 | 7.558 | -0.454 | 7.576 | 0.510 |
| 4.555 | 0.031 | 4.567 | 0.093 | 4.585 | 0.051 | 4.595 | -0.033 | 7.592 | 1.453 | 7.606 | 1.871 | 7.614 | 2.038 | 7.626 | 1.870 |
| 4.611 | -0.055 | 4.625 | -0.097 | 4.639 | -0.076 | 4.649 | 0.050 | 7.656 | 1.156 | 7.666 | 0.253 | 7.672 | 2.045 | 7.688 | -1.197 |
| 4.659 | 0.113 | 4.673 | 0.114 | 4.681 | 0.219 | 4.691 | 0.345 | 7.696 | -1.470 | 7.711 | -1.702 | 7.723 | -1.765 | 7.737 | -1.473 |
| 4.703 | 0.366 | 4.719 | 0.366 | 4.735 | 0.345 | 4.745 | 0.220 | 7.753 | -0.844 | 7.769 | -0.803 | 7.791 | -0.385 | 7.805 | 0.034 |
| 4.759 | 0.010 | 4.773 | -0.116 | 4.789 | -0.262 | 4.802 | -0.283 | 7.817 | 0.495 | 7.825 | 0.767 | 7.837 | 0.620 | 7.849 | 0.914 |
| 4.810 | -0.493 | 4.830 | -0.597 | 4.848 | -0.513 | 4.860 | -0.303 | 7.861 | 1.186 | 7.875 | 1.039 | 7.889 | 0.954 | 7.903 | 0.786 |
| 4.874 | -0.030 | 4.884 | 0.242 | 4.896 | 0.329 | 4.904 | 0.578 | 7.917 | 0.534 | 7.927 | 0.156 | 7.943 | -0.809 | 7.959 | -1.816 |
| 4.912 | 0.809 | 4.922 | 1.082 | 4.934 | 1.229 | 4.946 | 1.376 | 7.965 | -1.712 | 7.987 | -1.880 | 8.001 | -1.377 | 8.019 | -0.748 |
| 4.962 | 1.460 | 4.976 | 1.313 | 4.986 | 0.978 | 4.994 | 0.747 | 8.039 | 0.070 | 8.055 | 0.803 | 8.073 | 1.495 | 8.081 | 1.830 |
| 5.004 | -0.391 | 5.012 | 0.055 | 5.028 | -0.301 | 5.038 | -0.615 | 8.093 | 1.872 | 8.103 | 1.745 | 8.123 | 1.745 | 8.132 | 1.535 |
| 5.044 | -0.761 | 5.064 | -0.824 | 5.074 | -0.718 | 5.082 | -0.361 | 8.144 | 1.556 | 8.158 | 1.157 | 8.176 | 0.485 | 8.194 | -0.269 |
| 5.098 | -0.046 | 5.106 | 0.311 | 5.112 | 0.563 | 5.122 | 0.815 | 8.216 | -0.919 | 8.224 | -1.045 | 8.240 | -0.939 | 8.252 | -1.023 |
| 5.130 | 0.983 | 5.140 | 1.067 | 5.146 | 1.151 | 5.162 | -0.813 | 8.268 | -0.813 | 8.288 | -0.435 | 8.304 | 0.174 | 8.318 | 0.615 |
| 5.180 | 0.712 | 5.190 | 0.167 | 5.202 | -0.210 | 5.217 | -0.608 | 8.330 | 0.888 | 8.338 | 1.182 | 8.352 | 1.371 | 8.366 | 1.476 |
| 5.231 | -0.943 | 5.251 | -1.236 | 5.253 | -1.361 | 5.265 | -1.445 | 8.378 | 1.372 | 8.388 | 1.141 | 8.404 | 0.869 | 8.418 | 0.408 |
| 5.273 | -0.321 | 5.285 | -1.381 | 5.301 | -1.066 | 5.315 | -0.897 | 8.428 | -0.137 | 8.440 | -0.326 | 8.448 | -0.368 | 8.460 | -0.095 |
| 5.323 | -0.687 | 5.331 | -0.414 | 5.347 | -0.225 | 5.361 | -0.119 | 8.472 | 0.137 | 8.482 | 0.179 | 8.498 | 0.116 | 8.510 | 0.054 |
| 5.369 | -0.014 | 5.385 | 0.238 | 5.395 | 0.406 | 5.405 | 0.428 | 8.516 | 0.033 | 8.532 | -0.218 | 8.540 | -0.449 | 8.553 | -0.596 |
| 5.423 | 0.659 | 5.437 | 0.975 | 5.451 | 1.185 | 5.463 | 1.417 | 8.565 | -0.511 | 8.577 | -0.448 | 8.591 | -0.342 | 8.603 | -0.279 |
| 5.477 | 1.522 | 5.483 | 1.543 | 5.499 | 1.377 | 5.513 | 0.664 | 8.617 | -0.215 | 8.635 | 0.038 | 8.649 | 0.185 | 8.665 | 0.375 |
| 5.529 | -0.027 | 5.547 | -0.928 | 5.567 | -1.577 | 5.573 | -1.955 | 8.675 | 0.480 | 8.691 | 0.376 | 8.707 | 0.042 | 8.725 | -0.440 |
| 5.581 | -2.143 | 5.583 | -2.143 | 5.597 | -1.911 | 5.619 | -1.428 | 8.739 | -0.922 | 8.757 | -1.466 | 8.771 | -1.717 | 8.779 | -1.801 |
| 5.630 | -0.756 | 5.636 | 0.125 | 5.652 | 0.671 | 5.662 | 1.322 | 8.795 | -1.737 | 8.809 | -1.631 | 8.831 | -1.190 | 8.843 | -0.874 |
| 5.674 | 1.554 | 5.682 | 1.575 | 5.700 | 1.366 | 5.718 | 0.067 | 8.853 | -0.580 | 8.861 | -0.097 | 8.875 | -0.076 | 8.889 | -0.033 |
| 5.738 | -0.457 | 5.754 | -1.211 | 5.766 | -1.483 | 5.778 | -1.587 | 8.905 | 0.010 | 8.911 | -0.011 | 8.923 | -0.052 | 8.937 | 0.075 |
| 5.788 | -1.293 | 5.814 | -0.599 | 5.836 | 0.325 | 5.858 | 0.935 | 8.955 | 0.306 | 8.970 | 0.538 | 8.982 | 0.475 | 8.994 | 0.580 |
| 5.874 | 1.649 | 5.882 | 2.048 | 5.894 | 2.406 | 5.910 | 2.092 | 9.012 | 0.344 | 9.026 | 0.476 | 9.038 | 0.309 | 9.056 | 0.100 |
| 5.926 | 1.883 | 5.940 | 0.898 | 5.956 | 0.564 | 5.980 | 0.315 | 9.062 | 0.058 | 9.080 | 0.184 | 9.094 | 0.373 | 9.114 | 0.500 |
| 6.014 | -0.607 | 6.028 | -0.291 | 6.034 | -0.060 | 6.051 | 0.255 | 9.124 | 0.815 | 9.138 | 1.130 | 9.148 | 1.486 | 9.164 | 1.634 |
| 6.059 | 0.466 | 6.069 | 0.718 | 6.083 | 0.866 | 6.095 | 0.783 | 9.180 | 1.823 | 9.188 | 1.865 | 9.202 | 1.823 | 9.212 | 1.740 |
| 6.109 | 0.574 | 6.131 | 0.513 | 6.143 | 0.576 | 6.163 | 0.578 | 9.226 | 1.300 | 9.246 | 0.545 | 9.262 | -0.147 | 9.272 | -0.671 |
| 6.181 | 0.747 | 6.199 | 0.538 | 6.213 | 0.370 | 6.229 | -0.113 | 9.292 | -1.048 | 9.310 | -1.341 | 9.316 | -1.488 | 9.326 | -1.634 |
| 6.245 | -0.616 | 6.261 | -1.141 | 6.263 | -1.225 | 6.287 | -1.141 | 9.340 | -1.466 | 9.356 | -1.046 | 9.372 | -0.542 | 9.391 | 0.150 |
| 6.311 | -0.575 | 6.327 | -0.114 | 6.355 | 0.263 | 6.391 | 0.116 | 9.405 | 0.759 | 9.421 | 1.158 | 9.439 | 1.494 | 9.453 | 1.578 |
| 6.407 | -0.534 | 6.431 | -1.311 | 6.453 | -2.024 | 6.476 | -2.360 | 9.469 | 1.453 | 9.479 | 1.201 | 9.499 | 0.719 | 9.511 | 0.342 |
| 6.486 | -2.339 | 6.508 | -1.857 | 6.532 | -0.997 | 6.550 | -0.096 | 9.523 | 0.049 | 9.541 | -0.286 | 9.557 | -0.412 | 9.567 | -0.474 |
| 6.566 | 0.219 | 6.590 | 0.323 | 6.612 | 0.510 | 6.624 | 0.573 | 9.581 | -0.390 | 9.595 | -0.201 | 9.611 | 0.051 | 9.623 | 0.156 |
| 6.630 | 0.488 | 6.656 | 0.801 | 6.668 | 1.052 | 6.686 | 1.198 | 9.639 | 0.429 | 9.651 | 0.566 | 9.661 | 0.535 | 9.683 | 0.410 |
| 6.700 | 1.344 | 6.712 | 1.154 | 6.732 | 0.733 | 6.740 | 0.124 | 9.703 | 0.326 | 9.719 | 0.285 | 9.735 | 0.243 | 9.751 | 0.244 |
| 6.750 | -0.505 | 6.758 | -0.925 | 6.768 | -1.010 | 6.788 | -0.739 | 9.767 | 0.244 | 9.787 | 0.035 | 9.804 | -0.132 | 9.820 | -0.656 |
| 6.806 | -0.362 | 6.822 | -0.028 | 6.830 | 0.286 | 6.836 | 0.517 | 9.838 | -1.138 | 9.850 | -1.579 | 9.862 | -1.767 | 9.874 | -1.641 |
| 6.852 | 0.642 | 6.854 | 0.788 | 6.868 | 0.955 | 6.872 | 1.144 | 9.894 | -1.116 | 9.910 | -0.444 | 9.924 | 0.185 | 9.942 | 0.668 |
| 6.889 | 1.289 | 6.909 | 1.393 | 6.929 | 1.161 | 6.945 | 1.118 | 9.958 | 0.962 | 9.968 | 1.130 | 9.982 | 1.089 | 9.996 | 0.858 |
| 6.953 | 1.056 | 6.967 | 0.571 | 6.989 | 0.003 | 6.997 | -0.249 | 10.014 | 0.670 | 10.030 | 0.461 | 10.040 | 0.230 | 10.050 | -0.084 |
| 7.013 | -0.544 | 7.023 | -0.964 | 7.043 | -1.049 | 7.057 | -0.861 | 10.060 | -0.356 | 10.064 | -0.524 | 10.080 | -1.069 | 10.094 | -1.404 |
| 7.069 | -0.694 | 7.079 | -0.485 | 7.091 | 0.018 | 7.101 | 0.241 | 10.110 | -1.635 | 10.132 | -1.382 | 10.148 | -0.858 | 10.168 | -0.291 |
| 7.113 | 0.561 | 7.121 | 0.687 | 7.141 | 0.937 | 7.151 | 1.167 | 10.168 | -0.081 | 10.200 | 0.254 | 10.221 | 0.590 | 10.239 | 1.030 |
| 7.157 | 1.398 | 7.159 | 1.418 | 7.173 | 1.522 | 7.191 | 1.332 | 10.257 | 1.239 | 10.273 | 1.008 | 10.293 | 0.714 | 10.309 | 0.316 |
| 7.207 | 0.555 | 7.221 | -0.117 | 7.233 | -0.852 | 7.249 | -1.209 | 10.319 | 0.022 | 10.333 | 0.001 | 10.351 | -0.041 | 10.367 | -0.167 |
| 7.255 | -1.231 | 7.273 | -1.001 | 7.287 | -0.688 | 7.302 | -0.164 | 10.391 | -0.378 | 10.417 | -0.734 | 10.431 | -1.133 | 10.441 | -1.301 |
| 7.318 | 0.275 | 7.326 | 0.443 | 7.330 | 0.526 | 7.348 | 0.525 | 10.453 | -1.322 | 10.465 | -1.238 | 10.479 | -1.197 | 10.489 | -1.197 |
| 7.354 | 0.588 | 7.364 | 0.566 | 7.376 | 0.502 | 7.386 | 0.271 | 10.501 | -0.987 | 10.517 | -0.568 | 10.525 | -0.442 | 10.535 | -0.337 |
| 7.402 | -0.129 | 7.410 | -0.507 | 7.418 | -0.948 | 7.430 | -1.158 | 10.547 | 0.061 | 10.559 | 0.543 | 10.573 | 0.858 | 10.585 | 1.172 |
| 7.440 | -1.138 | 7.450 | -0.950 | 7.464 | -0.657 | 7.474 | -0.448 | 10.605 | 1.402 | 10.621 | 1.422 | 10.634 | 1.170 | 10.648 | 0.876 |
| 7.482 | -0.365 | 7.496 | -0.408 | 7.506 | -0.639 | 7.520 | -0.913 | 10.664 | 0.288 | 10.680 | -0.741 | 10.688 | -1.181 | 10.696 | -1.433 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.706 | -1.455 | 10.718 | -1.308 | 10.728 | -1.036 | 10.738 | -0.470 | 13.869 | 0.661 | 13.887 | 0.745 | 13.905 | 0.830 | 13.919 | 0.914 |
| 10.754 | 0.515 | 10.760 | 1.081 | 10.772 | 1.626 | 10.782 | 2.108 | 13.939 | 0.977 | 13.958 | 1.020 | 13.970 | 1.083 | 13.990 | 1.146 |
| 10.788 | 2.360 | 10.800 | 2.443 | 10.810 | 2.485 | 10.816 | 2.652 | 14.006 | 1.252 | 14.018 | 1.420 | 14.036 | 1.483 | 14.054 | 1.463 |
| 10.832 | 2.846 | 10.846 | 2.399 | 10.854 | 2.126 | 10.864 | 1.623 | 14.064 | 1.358 | 14.080 | 1.212 | 14.096 | 0.960 | 14.110 | 0.730 |
| 10.878 | 0.699 | 10.902 | -0.791 | 10.922 | -2.155 | 10.938 | -2.387 | 14.122 | 0.583 | 14.136 | 0.500 | 14.152 | 0.500 | 14.170 | 0.564 |
| 10.932 | -2.471 | 10.968 | -1.863 | 10.984 | -1.130 | 10.998 | -0.082 | 14.184 | 0.669 | 14.198 | 0.900 | 14.210 | 1.027 | 14.228 | 1.111 |
| 11.000 | 0.547 | 11.030 | 1.134 | 11.045 | 1.784 | 11.057 | 1.889 | 14.240 | 1.133 | 14.256 | 1.070 | 14.270 | 0.924 | 14.282 | 0.715 |
| 11.065 | 2.035 | 11.081 | 1.930 | 11.095 | 1.531 | 11.109 | 0.797 | 14.302 | 0.517 | 14.318 | -0.060 | 14.336 | -0.332 | 14.350 | -0.561 |
| 11.127 | -0.379 | 11.139 | -1.155 | 11.147 | -1.575 | 11.155 | -1.659 | 14.370 | 0.750 | 14.385 | -0.854 | 14.405 | -0.833 | 14.427 | -0.979 |
| 11.169 | -0.617 | 11.179 | -1.617 | 11.193 | -1.282 | 11.201 | -0.968 | 14.447 | -1.167 | 14.463 | -1.271 | 14.477 | -1.312 | 14.483 | -1.312 |
| 11.215 | -0.779 | 11.225 | -0.402 | 11.239 | -0.319 | 11.249 | -0.151 | 14.505 | -1.227 | 14.519 | -1.164 | 14.531 | -1.142 | 14.543 | -1.163 |
| 11.263 | 0.058 | 11.279 | 0.142 | 11.289 | 0.226 | 11.303 | 0.141 | 14.563 | -1.204 | 14.579 | -1.203 | 14.591 | -1.203 | 14.603 | -1.266 |
| 11.319 | -0.027 | 11.329 | -0.363 | 11.341 | -0.846 | 11.353 | -1.077 | 14.619 | -1.244 | 14.635 | -1.223 | 14.653 | -1.285 | 14.671 | -1.201 |
| 11.365 | -1.161 | 11.379 | -0.877 | 11.393 | -0.951 | 11.403 | -0.846 | 14.683 | -1.117 | 14.703 | -0.990 | 14.731 | -0.738 | 14.753 | -0.402 |
| 11.417 | -0.804 | 11.431 | -0.803 | 11.441 | -0.992 | 11.460 | -1.075 | 14.769 | -0.254 | 14.783 | -0.191 | 14.810 | -0.211 | 14.826 | -0.253 |
| 11.476 | -0.928 | 11.488 | -0.718 | 11.502 | -0.487 | 11.518 | -0.109 | 14.848 | -0.273 | 14.870 | -0.315 | 14.890 | -0.314 | 14.910 | -0.293 |
| 11.530 | 0.185 | 11.544 | 0.206 | 11.562 | 0.249 | 11.578 | 0.396 | 14.932 | -0.145 | 14.952 | -0.040 | 14.970 | 0.002 | 14.988 | -0.081 |
| 11.590 | 0.313 | 11.614 | 0.397 | 11.626 | 0.376 | 11.642 | 0.398 | 15.012 | -0.165 | 15.032 | -0.228 | 15.052 | -0.145 | 15.072 | -0.019 |
| 11.658 | 0.335 | 11.666 | 0.168 | 11.676 | -0.021 | 11.688 | -0.146 | 15.100 | 0.211 | 15.116 | 0.190 | 15.140 | 0.295 | 15.168 | 0.504 |
| 11.704 | -0.481 | 11.716 | -0.544 | 11.720 | -0.649 | 11.730 | -0.828 | 15.194 | 0.713 | 15.221 | 0.860 | 15.253 | 0.901 | 15.277 | 0.901 |
| 11.740 | -0.627 | 11.752 | -0.459 | 11.762 | -0.438 | 11.776 | -0.323 | 15.293 | 0.838 | 15.315 | 0.691 | 15.329 | 0.586 | 15.341 | 0.439 |
| 11.792 | -0.144 | 11.808 | -0.018 | 11.820 | 0.066 | 11.834 | 0.129 | 15.355 | 0.271 | 15.369 | 0.124 | 15.385 | 0.040 | 15.393 | -0.086 |
| 11.848 | 0.256 | 11.860 | 0.402 | 11.881 | 0.403 | 11.893 | 0.361 | 15.411 | -0.149 | 15.433 | -0.169 | 15.459 | -0.190 | 15.483 | -0.253 |
| 11.905 | 0.319 | 11.917 | 0.277 | 11.929 | 0.257 | 11.945 | 0.303 | 15.507 | -0.336 | 15.523 | -0.378 | 15.535 | -0.441 | 15.555 | -0.462 |
| 11.953 | 0.488 | 11.969 | 0.362 | 11.979 | 0.446 | 11.995 | 0.363 | 15.571 | -0.524 | 15.587 | -0.608 | 15.605 | -0.838 | 15.621 | -1.027 |
| 12.005 | 0.153 | 12.013 | 0.090 | 12.021 | 0.132 | 12.029 | 0.216 | 15.712 | -0.732 | 15.726 | -0.522 | 15.742 | -0.375 | 15.756 | -0.333 |
| 12.045 | 0.237 | 12.053 | 0.321 | 12.067 | 0.426 | 12.081 | 0.531 | 15.782 | -0.354 | 15.796 | -0.354 | 15.820 | -0.164 | 15.834 | -0.059 |
| 12.097 | 0.469 | 12.113 | 0.364 | 12.125 | 0.259 | 12.139 | 0.155 | 15.848 | 0.046 | 15.866 | 0.025 | 15.892 | -0.101 | 15.908 | -0.289 |
| 12.149 | 0.197 | 12.159 | 0.365 | 12.173 | 0.449 | 12.189 | 0.616 | 15.926 | -0.415 | 15.948 | -0.582 | 15.962 | -0.603 | 15.980 | -0.540 |
| 12.197 | 0.825 | 12.213 | 0.804 | 12.227 | 0.824 | 12.245 | 0.802 | 16.069 | 0.393 | 16.018 | -0.183 | 16.032 | -0.036 | 16.051 | 0.132 |
| 12.257 | 0.718 | 12.273 | 0.403 | 12.285 | 0.067 | 12.306 | -0.231 | 16.141 | 0.868 | 16.163 | 0.847 | 16.175 | 0.742 | 16.187 | 0.658 |
| 12.324 | -0.480 | 12.340 | -0.691 | 12.358 | -0.733 | 12.380 | -0.650 | 16.203 | 0.532 | 16.219 | 0.531 | 16.237 | 0.572 | 16.259 | 0.760 |
| 12.396 | -0.378 | 12.412 | -0.148 | 12.426 | 0.061 | 12.442 | 0.207 | 16.279 | 1.053 | 16.299 | 1.241 | 16.311 | 1.304 | 16.317 | 1.241 |
| 12.452 | 0.270 | 12.466 | 0.206 | 12.478 | 0.038 | 12.496 | -0.277 | 16.333 | 1.198 | 16.347 | 1.197 | 16.363 | 1.134 | 16.367 | 1.155 |
| 12.512 | -0.634 | 12.532 | -1.076 | 12.548 | -1.202 | 12.564 | -1.245 | 16.375 | 1.112 | 16.387 | 1.112 | 16.391 | 1.112 | 16.401 | 1.069 |
| 12.578 | -1.245 | 12.594 | -1.141 | 12.614 | -0.785 | 12.630 | -0.450 | 16.419 | 1.027 | 16.425 | 0.943 | 16.429 | 0.900 | 16.439 | 0.858 |
| 12.646 | -0.135 | 12.662 | -0.031 | 12.676 | 0.157 | 12.686 | 0.241 | 16.447 | 0.753 | 16.453 | 0.732 | 16.458 | 0.626 | 16.478 | 0.605 |
| 12.700 | 0.346 | 12.717 | 0.471 | 12.731 | 0.450 | 12.749 | 0.428 | 16.488 | 0.505 | 16.500 | 0.625 | 16.510 | 0.688 | 16.524 | 0.750 |
| 12.765 | 0.176 | 12.775 | 0.008 | 12.789 | -0.076 | 12.807 | -0.014 | 16.540 | 0.812 | 16.548 | 0.833 | 16.554 | 0.854 | 16.564 | 0.874 |
| 12.827 | -0.077 | 12.837 | -0.078 | 12.859 | 0.006 | 12.879 | 0.068 | 16.568 | 0.790 | 16.588 | 0.664 | 16.598 | 0.579 | 16.606 | 0.432 |
| 12.899 | 0.298 | 12.923 | 0.570 | 12.941 | 0.696 | 12.959 | 0.779 | 16.620 | 0.306 | 16.622 | 0.222 | 16.628 | 0.117 | 16.644 | -0.010 |
| 12.981 | 0.926 | 12.991 | 0.947 | 13.011 | 0.864 | 13.029 | 0.781 | 16.662 | -0.262 | 16.678 | -0.410 | 16.702 | -0.558 | 16.724 | -0.747 |
| 13.037 | 0.718 | 13.051 | 0.571 | 13.063 | 0.488 | 13.083 | 0.531 | 16.742 | -0.953 | 16.756 | -0.943 | 16.776 | -0.980 | 16.786 | -1.003 |
| 13.095 | 0.468 | 13.111 | 0.426 | 13.132 | 0.427 | 13.144 | 0.427 | 16.796 | -1.044 | 16.800 | -1.084 | 16.814 | -1.044 | 16.822 | -1.003 |
| 13.156 | 0.448 | 13.172 | 0.554 | 13.188 | 0.449 | 13.206 | 0.232 | 16.838 | -1.024 | 16.860 | -1.004 | 16.870 | -1.005 | 16.897 | -1.048 |
| 13.220 | -0.031 | 13.234 | -0.011 | 13.248 | -0.053 | 13.262 | -0.031 | 16.909 | -1.069 | 16.919 | -1.132 | 16.937 | -1.133 | 16.945 | -1.175 |
| 13.278 | -0.031 | 13.288 | -0.031 | 13.302 | -0.051 | 13.310 | -0.030 | 16.957 | -1.197 | 16.967 | -1.155 | 16.975 | -1.009 | 16.987 | -0.883 |
| 13.324 | 0.096 | 13.334 | 0.054 | 13.348 | 0.013 | 13.366 | 0.118 | 17.007 | -0.821 | 17.017 | -0.758 | 17.033 | -0.674 | 17.049 | -0.611 |
| 13.382 | -0.007 | 13.396 | -0.049 | 13.408 | -0.153 | 13.420 | -0.257 | 17.061 | -0.675 | 17.079 | -0.675 | 17.093 | -0.675 | 17.103 | -0.759 |
| 13.432 | -0.383 | 13.446 | -0.613 | 13.452 | -0.718 | 13.464 | -0.822 | 17.117 | -0.759 | 17.121 | -0.759 | 17.137 | -0.697 | 17.151 | -0.676 |
| 13.476 | -0.843 | 13.492 | -1.031 | 13.512 | -1.261 | 13.528 | -1.407 | 17.169 | -0.487 | 17.183 | -0.362 | 17.205 | -0.173 | 17.209 | -0.068 |
| 13.543 | -1.532 | 13.553 | -1.595 | 13.569 | -1.489 | 13.583 | -1.300 | 17.215 | -0.005 | 17.231 | 0.162 | 17.239 | 0.309 | 17.253 | 0.351 |
| 13.597 | -1.048 | 13.617 | -0.795 | 13.633 | -0.606 | 13.649 | -0.353 | 17.269 | 0.455 | 17.281 | 0.518 | 17.289 | 0.560 | 17.310 | 0.686 |
| 13.671 | -0.101 | 13.689 | 0.152 | 13.705 | 0.383 | 13.721 | 0.498 | 17.322 | 0.706 | 17.328 | 0.706 | 17.348 | 0.727 | 17.360 | 0.727 |
| 13.737 | 0.510 | 13.753 | 0.636 | 13.769 | 0.826 | 13.789 | 0.868 | | | | | | | | |
| 13.805 | 0.827 | 13.821 | 0.743 | 13.839 | 0.660 | 13.855 | 0.660 | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 17.376 | 0.748 | 17.400 | 0.769 | 17.424 | 0.854 | 17.440 | 0.917 | 21.089 | 0.888 | 21.091 | 0.909 | 21.107 | 0.889 | 21.115 | 0.847 |
| 17.458 | 0.981 | 17.474 | 1.003 | 17.492 | 1.024 | 17.504 | 1.046 | 21.121 | 0.763 | 21.145 | 0.639 | 21.155 | 0.597 | 21.171 | 0.472 |
| 17.512 | 1.067 | 17.518 | 1.067 | 17.526 | 1.089 | 17.536 | 1.047 | 21.195 | 0.452 | 21.205 | 0.347 | 21.233 | 0.243 | 21.251 | 0.160 |
| 17.542 | 0.963 | 17.552 | 0.880 | 17.562 | 0.754 | 17.568 | 0.671 | 21.271 | 0.077 | 21.281 | -0.027 | 21.309 | -0.026 | 21.339 | -0.046 |
| 17.586 | 0.336 | 17.598 | 0.168 | 17.618 | 0.106 | 17.624 | 0.044 | 21.367 | -0.108 | 21.385 | -0.128 | 21.401 | -0.212 | 21.419 | -0.275 |
| 17.634 | -0.019 | 17.642 | -0.019 | 17.648 | 0.003 | 17.658 | 0.045 | 21.443 | -0.296 | 21.468 | -0.296 | 21.490 | -0.254 | 21.500 | -0.191 |
| 17.666 | 0.129 | 17.672 | 0.150 | 17.682 | 0.256 | 17.696 | 0.340 | 21.524 | -0.128 | 21.552 | -0.086 | 21.578 | -0.023 | 21.620 | 0.019 |
| 17.698 | 0.382 | 17.704 | 0.445 | 17.710 | 0.487 | 17.721 | 0.509 | 21.642 | 0.040 | 21.680 | 0.019 | 21.724 | 0.019 | 21.762 | -0.065 |
| 17.729 | 0.509 | 17.745 | 0.447 | 17.753 | 0.321 | 17.763 | 0.112 | 21.798 | -0.107 | 21.872 | -0.151 | 21.901 | -0.131 | 21.917 | -0.278 |
| 17.779 | -0.118 | 17.791 | -0.327 | 17.793 | -0.327 | 17.801 | -0.600 | 21.941 | -0.447 | 21.971 | -0.678 | 22.003 | -0.595 | 22.035 | -0.344 |
| 17.811 | -0.704 | 17.817 | -0.788 | 17.823 | -0.850 | 17.833 | -0.954 | 22.077 | -0.010 | 22.107 | -0.220 | 22.125 | -0.304 | 22.153 | -0.448 |
| 17.841 | -0.575 | 17.847 | -1.080 | 17.861 | -1.079 | 17.875 | -1.078 | 22.181 | 0.344 | 22.223 | 0.301 | 22.241 | 0.301 | 22.261 | 0.448 |
| 17.885 | -1.036 | 17.895 | -0.951 | 17.897 | -0.951 | 17.907 | -0.848 | 22.291 | 0.531 | 22.306 | 0.573 | 22.334 | 0.573 | 22.360 | 0.530 |
| 17.915 | -0.782 | 17.923 | -0.740 | 17.929 | -0.740 | 17.937 | -0.696 | 22.372 | 0.530 | 22.386 | 0.446 | 22.406 | 0.320 | 22.428 | -0.110 |
| 17.937 | -0.655 | 17.941 | -0.655 | 17.963 | -0.717 | 17.971 | -0.800 | 22.446 | -0.142 | 22.460 | -0.310 | 22.478 | -0.436 | 22.500 | -0.520 |
| 17.985 | -0.926 | 18.007 | -1.071 | 18.025 | -1.154 | 18.033 | -1.154 | 22.510 | -0.625 | 22.532 | -0.667 | 22.556 | -0.668 | 22.570 | -0.647 |
| 18.037 | -1.175 | 18.065 | -1.194 | 18.081 | -1.214 | 18.095 | -1.192 | 22.596 | -0.605 | 22.608 | -0.584 | 22.622 | -0.542 | 22.642 | -0.571 |
| 18.109 | -1.108 | 18.119 | -0.981 | 18.132 | -0.876 | 18.138 | -0.813 | 22.660 | -0.583 | 22.676 | -0.582 | 22.700 | -0.666 | 22.723 | -0.791 |
| 18.152 | -0.623 | 18.160 | -0.497 | 18.162 | -0.497 | 18.172 | -0.391 | 22.739 | -0.812 | 22.757 | -0.832 | 22.771 | -0.832 | 22.787 | -0.789 |
| 18.180 | -0.307 | 18.184 | -0.286 | 18.194 | -0.265 | 18.212 | -0.285 | 22.795 | -0.663 | 22.815 | -0.621 | 22.829 | -0.557 | 22.857 | -0.494 |
| 18.232 | -0.265 | 18.242 | -0.306 | 18.268 | -0.327 | 18.284 | -0.369 | 22.879 | -0.493 | 22.901 | -0.535 | 22.915 | -0.576 | 22.945 | -0.554 |
| 18.304 | -0.369 | 18.314 | -0.390 | 18.336 | -0.285 | 18.354 | -0.408 | 22.965 | -0.638 | 22.979 | -0.700 | 22.993 | -0.700 | 23.023 | -0.678 |
| 18.380 | -0.176 | 18.400 | -0.386 | 18.414 | 0.386 | 18.434 | 0.302 | 23.047 | -0.551 | 23.075 | -0.403 | 23.109 | -0.255 | 23.140 | -0.212 |
| 18.448 | 0.218 | 18.466 | 0.029 | 18.476 | 0.029 | 18.490 | -0.055 | 23.176 | 0.020 | 23.204 | 0.147 | 23.230 | 0.295 | 23.254 | 0.380 |
| 18.506 | -0.097 | 18.546 | -0.160 | 18.571 | -0.160 | 18.581 | -0.097 | 23.286 | 0.591 | 23.304 | 0.780 | 23.320 | 1.074 | 23.342 | 1.264 |
| 18.603 | 0.008 | 18.611 | 0.070 | 18.621 | 0.133 | 18.637 | 0.237 | 23.360 | 1.412 | 23.370 | 1.559 | 23.394 | 1.560 | 23.416 | 1.497 |
| 18.649 | 0.279 | 18.667 | 0.320 | 18.691 | 0.319 | 18.705 | 0.402 | 23.436 | 1.413 | 23.452 | 1.288 | 23.468 | 1.078 | 23.478 | 0.952 |
| 18.715 | 0.945 | 18.723 | 0.950 | 18.739 | 0.758 | 18.741 | 0.883 | 23.496 | 0.847 | 23.516 | 0.847 | 23.549 | 0.847 | 23.583 | 0.784 |
| 18.765 | 0.945 | 18.785 | 0.945 | 18.809 | 0.965 | 18.821 | 0.964 | 23.599 | 0.700 | 23.639 | 0.658 | 23.677 | 0.574 | 23.711 | 0.533 |
| 18.841 | 1.026 | 18.859 | 1.067 | 18.873 | 1.088 | 18.889 | 1.192 | 23.741 | 0.386 | 23.761 | 0.197 | 23.789 | -0.055 | 23.815 | -0.286 |
| 18.915 | 1.191 | 18.925 | 1.086 | 18.949 | 0.959 | 18.964 | 0.854 | 23.823 | -0.411 | 23.843 | -0.537 | 23.857 | -0.537 | 23.875 | -0.606 |
| 18.994 | 0.706 | 19.024 | 0.578 | 19.050 | 0.493 | 19.074 | 0.429 | 23.921 | -0.600 | 23.945 | -0.663 | 23.974 | -0.747 | 24.000 | -0.810 |
| 19.106 | 0.301 | 19.146 | 0.152 | 19.172 | 0.004 | 19.188 | -0.081 | 24.018 | -0.915 | 24.026 | -0.936 | 24.036 | -1.020 | 24.040 | -1.125 |
| 19.204 | -0.228 | 19.220 | -0.334 | 19.250 | -0.336 | 19.290 | -0.317 | 24.058 | -1.208 | 24.066 | -1.208 | 24.088 | -1.083 | 24.104 | -0.999 |
| 19.340 | -0.340 | 19.403 | -0.259 | 19.421 | -0.196 | 19.443 | -0.113 | 24.118 | -0.873 | 24.134 | -0.789 | 24.156 | -0.747 | 24.172 | -0.663 |
| 19.459 | -0.029 | 19.463 | 0.034 | 19.475 | 0.118 | 19.495 | 0.201 | 24.206 | -0.558 | 24.224 | -0.516 | 24.246 | -0.494 | 24.266 | -0.409 |
| 19.517 | 0.264 | 19.551 | 0.221 | 19.559 | 0.116 | 19.587 | 0.158 | 24.306 | -0.303 | 24.330 | -0.197 | 24.360 | -0.133 | 24.383 | 0.057 |
| 19.625 | 0.158 | 19.663 | 0.157 | 19.683 | 0.157 | 19.699 | 0.261 | 24.409 | 0.205 | 24.433 | 0.352 | 24.459 | 0.437 | 24.493 | 0.628 |
| 19.725 | 0.282 | 19.749 | 0.240 | 19.767 | 0.135 | 19.787 | 0.051 | 24.507 | 0.628 | 24.535 | 0.629 | 24.543 | 0.609 | 24.563 | 0.525 |
| 19.812 | -0.096 | 19.842 | -0.158 | 19.864 | -0.137 | 19.886 | -0.178 | 24.589 | 0.568 | 24.611 | 0.653 | 24.619 | 0.737 | 24.635 | 0.738 |
| 19.918 | -0.303 | 19.940 | -0.449 | 19.950 | -0.617 | 19.960 | -0.722 | 24.647 | 0.822 | 24.663 | 0.760 | 24.695 | 0.740 | 24.723 | 0.658 |
| 19.972 | -0.805 | 19.988 | -1.015 | 20.014 | -1.098 | 20.050 | -1.055 | 24.747 | 0.596 | 24.773 | 0.576 | 24.785 | 0.471 | 24.812 | 0.346 |
| 20.076 | -0.991 | 20.102 | -0.949 | 20.120 | -0.969 | 20.150 | -0.989 | 24.840 | 0.264 | 24.858 | 0.117 | 24.872 | 0.055 | 24.906 | -0.048 |
| 20.174 | -1.052 | 20.196 | -1.051 | 20.198 | -1.051 | 20.217 | -1.008 | 24.936 | -0.152 | 24.954 | -0.214 | 24.980 | -0.339 | 25.008 | -0.422 |
| 20.233 | -0.924 | 20.253 | -0.861 | 20.287 | -0.757 | 20.309 | -0.712 | 25.030 | -0.548 | 25.048 | -0.736 | 25.068 | -0.862 | 25.086 | -0.967 |
| 20.357 | -0.522 | 20.375 | -0.333 | 20.407 | -0.269 | 20.433 | -0.269 | 25.098 | -1.093 | 25.120 | -1.114 | 25.154 | -1.177 | 25.172 | -1.177 |
| 20.453 | -0.331 | 20.479 | -0.267 | 20.519 | -0.203 | 20.577 | 0.092 | 25.190 | -1.135 | 25.210 | -1.051 | 25.235 | -0.967 | 25.273 | -0.883 |
| 20.615 | 0.240 | 20.632 | 0.346 | 20.648 | 0.388 | 20.680 | 0.369 | 25.289 | -0.778 | 25.323 | -0.653 | 25.341 | -0.443 | 25.391 | -0.336 |
| 20.690 | 0.306 | 20.698 | 0.243 | 20.710 | 0.139 | 20.732 | 0.035 | 25.411 | -0.107 | 25.437 | 0.123 | 25.459 | 0.332 | 25.495 | 0.499 |
| 20.752 | -0.111 | 20.766 | -0.131 | 20.784 | -0.152 | 20.786 | -0.131 | 25.509 | 0.625 | 25.523 | 0.687 | 25.529 | 0.771 | 25.545 | 0.895 |
| 20.802 | -0.088 | 20.808 | -0.046 | 20.816 | 0.101 | 20.826 | 0.206 | 25.593 | 0.875 | 25.565 | 0.896 | 25.579 | 0.895 | 25.581 | 0.884 |
| 20.834 | 0.333 | 20.848 | 0.417 | 20.860 | 0.501 | 20.870 | 0.607 | 25.654 | 0.621 | 25.674 | 0.557 | 25.684 | 0.494 | 25.698 | 0.473 |
| 20.886 | 0.649 | 20.898 | 0.671 | 20.912 | 0.692 | 20.928 | 0.714 | 25.708 | 0.452 | 25.724 | 0.451 | 25.740 | 0.451 | 25.754 | 0.451 |
| 20.934 | 0.735 | 20.948 | 0.694 | 20.962 | 0.631 | 20.974 | 0.569 | 25.766 | 0.492 | 25.780 | 0.534 | 25.794 | 0.512 | 25.814 | 0.512 |
| 20.980 | 0.548 | 21.000 | 0.549 | 21.008 | 0.528 | 21.022 | 0.592 | 25.824 | 0.491 | 25.834 | 0.427 | 25.848 | 0.364 | 25.866 | 0.280 |
| 21.042 | 0.655 | 21.059 | 0.698 | 21.073 | 0.824 | 21.079 | 0.825 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 25.878 | 0.154 | 25.894 | 0.090 | 25.912 | -0.015 | 25.922 | -0.099 | 31.245 | 0.116 | 31.285 | 0.157 | 31.339 | 0.136 | 31.387 | 0.135 |
| 25.940 | -0.142 | 25.964 | -0.142 | 26.002 | -0.122 | 26.012 | -0.123 | 31.421 | 0.030 | 31.443 | -0.055 | 31.484 | -0.117 | 31.504 | -0.201 |
| 26.014 | -0.123 | 26.061 | -0.187 | 26.085 | -0.271 | 26.111 | -0.377 | 31.530 | -0.305 | 31.548 | -0.389 | 31.584 | -0.536 | 31.608 | -0.577 |
| 26.127 | -0.440 | 26.143 | -0.608 | 26.171 | -0.693 | 26.229 | -0.548 | 31.620 | -0.598 | 31.636 | -0.598 | 31.660 | -0.597 | 31.690 | -0.639 |
| 26.259 | -0.464 | 26.281 | -0.360 | 26.301 | -0.423 | 26.327 | -0.507 | 31.716 | -0.786 | 31.728 | -0.785 | 31.736 | -0.848 | 31.748 | -0.911 |
| 26.355 | -0.549 | 26.391 | -0.613 | 26.419 | -0.678 | 26.443 | -0.855 | 31.756 | -0.911 | 31.772 | -0.932 | 31.786 | -0.931 | 31.802 | -0.931 |
| 26.464 | -0.404 | 26.490 | -0.258 | 26.532 | -0.027 | 26.572 | 0.056 | 31.816 | -0.931 | 31.818 | -0.868 | 31.832 | -0.805 | 31.842 | -0.742 |
| 26.616 | 0.307 | 26.644 | 0.307 | 26.678 | 0.391 | 26.702 | 0.349 | 31.866 | -0.721 | 31.887 | -0.637 | 31.913 | -0.638 | 31.923 | -0.596 |
| 26.736 | 0.328 | 26.752 | 0.391 | 26.766 | 0.391 | 26.790 | 0.433 | 31.953 | -0.533 | 31.981 | -0.534 | 31.995 | -0.492 | 32.009 | -0.429 |
| 26.822 | 0.412 | 26.850 | 0.307 | 26.878 | 0.139 | 26.919 | 0.055 | 32.037 | -0.325 | 32.054 | -0.241 | 32.069 | -0.199 | 32.083 | -0.157 |
| 26.957 | 0.029 | 26.997 | -0.112 | 27.037 | -0.154 | 27.063 | -0.196 | 32.105 | -0.116 | 32.123 | -0.095 | 32.137 | 0.010 | 32.139 | -0.053 |
| 27.081 | -0.238 | 27.101 | -0.301 | 27.133 | -0.301 | 27.157 | -0.301 | 32.173 | 0.051 | 32.179 | 0.093 | 32.217 | 0.260 | 32.243 | 0.470 |
| 27.167 | -0.238 | 27.199 | -0.280 | 27.229 | -0.322 | 27.253 | -0.322 | 32.269 | 0.469 | 32.289 | 0.636 | 32.314 | 0.635 | 32.332 | 0.718 |
| 27.293 | -0.280 | 27.320 | -0.133 | 27.354 | -0.029 | 27.400 | 0.118 | 32.352 | 0.718 | 32.366 | 0.738 | 32.376 | 0.759 | 32.394 | 0.758 |
| 27.436 | 0.139 | 27.482 | 0.139 | 27.504 | 0.118 | 27.534 | 0.202 | 32.418 | 0.757 | 32.446 | 0.672 | 32.464 | 0.692 | 32.482 | 0.692 |
| 27.562 | 0.286 | 27.600 | 0.349 | 27.618 | 0.412 | 27.656 | 0.475 | 32.484 | 0.670 | 32.508 | 0.691 | 32.514 | 0.711 | 32.522 | 0.669 |
| 27.682 | 0.454 | 27.694 | 0.580 | 27.737 | 0.727 | 27.759 | 0.894 | 32.538 | 0.626 | 32.558 | 0.626 | 32.564 | 0.562 | 32.578 | 0.562 |
| 27.775 | 0.978 | 27.785 | 0.978 | 27.807 | 0.957 | 27.833 | 0.957 | 32.582 | 0.499 | 32.598 | 0.456 | 32.630 | 0.392 | 32.642 | 0.371 |
| 27.841 | 0.999 | 27.853 | 1.020 | 27.865 | 1.041 | 27.879 | 1.041 | 32.658 | 0.244 | 32.739 | -0.010 | 32.763 | -0.052 | 32.779 | -0.137 |
| 27.895 | 1.103 | 27.905 | 1.103 | 27.919 | 1.040 | 27.931 | 0.908 | 32.801 | -0.221 | 32.815 | -0.263 | 32.841 | -0.243 | 32.851 | -0.327 |
| 27.945 | 0.935 | 27.951 | 0.851 | 27.977 | 0.767 | 27.985 | 0.704 | 32.867 | -0.370 | 32.889 | -0.454 | 32.927 | -0.413 | 32.949 | -0.372 |
| 28.003 | 0.620 | 28.025 | 0.514 | 28.037 | 0.409 | 28.055 | 0.346 | 32.963 | -0.288 | 32.983 | -0.268 | 33.007 | -0.352 | 33.039 | -0.416 |
| 28.071 | 0.283 | 28.089 | 0.220 | 28.101 | 0.199 | 28.115 | 0.115 | 33.061 | -0.437 | 33.107 | -0.268 | 33.140 | -0.183 | 33.176 | -0.055 |
| 28.128 | 0.052 | 28.140 | -0.032 | 28.146 | -0.116 | 28.154 | -0.179 | 33.190 | 0.071 | 33.228 | 0.114 | 33.236 | 0.178 | 33.258 | 0.178 |
| 28.160 | -0.242 | 28.178 | -0.327 | 28.180 | -0.377 | 28.188 | -0.495 | 33.294 | 0.243 | 33.354 | 0.245 | 33.398 | 0.310 | 33.416 | 0.352 |
| 28.202 | -0.600 | 28.210 | -0.621 | 28.218 | -0.747 | 28.232 | -0.789 | 33.452 | 0.375 | 33.472 | 0.418 | 33.484 | 0.418 | 33.512 | 0.378 |
| 28.242 | -0.810 | 28.260 | -0.935 | 28.288 | -0.977 | 28.326 | -1.039 | 33.528 | 0.378 | 33.565 | 0.338 | 33.575 | 0.255 | 33.582 | 0.151 |
| 28.344 | -1.102 | 28.372 | -1.143 | 28.392 | -1.143 | 28.418 | -1.227 | 33.633 | 0.111 | 33.679 | 0.009 | 33.711 | -0.095 | 33.743 | -0.114 |
| 28.428 | -1.269 | 28.442 | -1.268 | 28.450 | -1.268 | 28.466 | -1.100 | 33.765 | 0.218 | 33.797 | 0.363 | 33.815 | -0.488 | 33.825 | -0.571 |
| 28.480 | -1.058 | 28.500 | -0.995 | 28.514 | -0.932 | 28.528 | -0.869 | 33.849 | -0.612 | 33.879 | -0.611 | 33.903 | -0.568 | 33.933 | -0.526 |
| 28.549 | -0.806 | 28.567 | -0.700 | 28.585 | -0.532 | 28.619 | -0.532 | 33.962 | -0.505 | 33.984 | -0.483 | 34.022 | -0.420 | 34.066 | -0.357 |
| 28.635 | -0.469 | 28.653 | -0.405 | 28.675 | -0.363 | 28.691 | -0.320 | 34.094 | -0.293 | 34.126 | -0.146 | 34.154 | -0.083 | 34.178 | -0.061 |
| 28.713 | -0.193 | 28.723 | -0.130 | 28.743 | -0.024 | 28.765 | 0.060 | 34.208 | 0.044 | 34.246 | 0.044 | 34.274 | 0.087 | 34.298 | 0.170 |
| 28.785 | 0.145 | 28.811 | 0.251 | 28.829 | 0.315 | 28.849 | 0.315 | 34.334 | 0.316 | 34.350 | 0.395 | 34.362 | 0.419 | 34.376 | 0.482 |
| 28.867 | 0.316 | 28.899 | 0.275 | 28.917 | 0.192 | 28.941 | 0.109 | 34.387 | 0.502 | 34.399 | 0.523 | 34.407 | 0.585 | 34.419 | 0.585 |
| 28.949 | 0.047 | 28.974 | -0.015 | 28.992 | 0.027 | 29.020 | 0.049 | 34.431 | 0.564 | 34.443 | 0.479 | 34.463 | 0.457 | 34.477 | 0.436 |
| 29.052 | 0.071 | 29.084 | 0.113 | 29.110 | 0.029 | 29.140 | -0.055 | 34.481 | 0.436 | 34.497 | 0.456 | 34.507 | 0.477 | 34.539 | 0.433 |
| 29.156 | -0.139 | 29.180 | -0.265 | 29.204 | -0.349 | 29.234 | -0.349 | 34.555 | 0.391 | 34.585 | 0.411 | 34.601 | 0.368 | 34.617 | 0.304 |
| 29.258 | -0.390 | 29.282 | -0.369 | 29.310 | -0.390 | 29.326 | -0.432 | 34.633 | 0.304 | 34.655 | 0.219 | 34.669 | 0.135 | 34.697 | 0.070 |
| 29.348 | -0.432 | 29.372 | -0.474 | 29.407 | -0.537 | 29.415 | -0.600 | 34.711 | 0.027 | 34.743 | -0.080 | 34.745 | -0.080 | 34.769 | -0.250 |
| 29.431 | -0.642 | 29.463 | -0.684 | 29.479 | -0.684 | 29.511 | -0.622 | 34.800 | -0.294 | 34.816 | -0.338 | 34.834 | -0.360 | 34.848 | -0.445 |
| 29.525 | -0.559 | 29.543 | -0.329 | 29.589 | -0.245 | 29.657 | -0.141 | 34.862 | -0.467 | 34.880 | -0.485 | 34.892 | -0.427 | 34.902 | -0.365 |
| 29.703 | -0.121 | 29.743 | -0.059 | 29.761 | 0.088 | 29.789 | 0.130 | 34.930 | -0.368 | 34.940 | -0.305 | 34.980 | -0.309 | 35.004 | -0.394 |
| 29.824 | 0.339 | 29.844 | 0.402 | 29.864 | 0.443 | 29.886 | 0.486 | 35.028 | -0.438 | 35.054 | -0.440 | 35.082 | -0.485 | 35.100 | -0.569 |
| 29.924 | 0.528 | 29.934 | 0.612 | 29.968 | 0.676 | 30.002 | 0.655 | 35.116 | -0.695 | 35.132 | -0.842 | 35.156 | -0.780 | 35.182 | -0.613 |
| 30.054 | 0.677 | 30.072 | 0.635 | 30.100 | 0.677 | 30.106 | 0.614 | 35.188 | -0.424 | 35.213 | -0.215 | 35.231 | -0.069 | 35.235 | 0.099 |
| 30.116 | 0.615 | 30.116 | 0.531 | 30.160 | 0.489 | 30.182 | 0.406 | 35.251 | 0.224 | 35.271 | 0.349 | 35.293 | 0.412 | 35.295 | 0.454 |
| 30.206 | 0.343 | 30.233 | 0.218 | 30.257 | 0.134 | 30.271 | 0.050 | 35.323 | 0.411 | 35.335 | 0.306 | 35.337 | 0.306 | 35.345 | 0.138 |
| 30.287 | 0.008 | 30.327 | 0.055 | 30.357 | 0.097 | 30.391 | -0.139 | 35.359 | 0.116 | 35.367 | 0.011 | 35.377 | -0.010 | 35.383 | -0.010 |
| 30.419 | -0.160 | 30.455 | -0.202 | 30.487 | -0.202 | 30.503 | -0.202 | 35.391 | -0.010 | 35.393 | -0.031 | 35.417 | 0.136 | 35.427 | 0.219 |
| 30.541 | -0.202 | 30.561 | -0.223 | 30.593 | -0.244 | 30.605 | -0.307 | 35.437 | 0.345 | 35.445 | 0.408 | 35.453 | 0.512 | 35.463 | 0.575 |
| 30.613 | -0.327 | 30.615 | -0.327 | 30.642 | -0.307 | 30.668 | -0.181 | 35.465 | 0.575 | 35.477 | 0.680 | 35.485 | 0.680 | 35.499 | 0.827 |
| 30.702 | -0.036 | 30.736 | -0.037 | 30.760 | -0.038 | 30.794 | -0.102 | 35.509 | 0.911 | 35.517 | 0.954 | 35.533 | 0.996 | 35.549 | 0.976 |
| 30.826 | -0.104 | 30.864 | -0.041 | 30.884 | -0.021 | 30.894 | -0.041 | 35.559 | 0.934 | 35.567 | 0.809 | 35.589 | 0.726 | 35.595 | 0.642 |
| 30.930 | 0.102 | 30.974 | 0.058 | 31.040 | -0.028 | 31.049 | -0.028 | 35.602 | 0.559 | 35.613 | 0.517 | 35.621 | 0.412 | 35.638 | 0.371 |
| 31.075 | 0.055 | 31.121 | 0.159 | 31.155 | 0.180 | 31.195 | 0.158 | 35.662 | 0.372 | 35.680 | 0.373 | 35.716 | 0.374 | 35.742 | 0.350 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 35.774 | 0.397 | 35.806 | 0.315 | 35.808 | 0.315 | 35.832 | 0.148 |
| 35.836 | 0.064 | 35.846 | -0.019 | 35.852 | -0.103 | 35.862 | -0.166 |
| 35.876 | -0.228 | 35.882 | -0.270 | 35.904 | -0.353 | 35.918 | -0.352 |
| 35.932 | -0.351 | 35.976 | -0.266 | 36.002 | -0.223 | 36.022 | -0.159 |
| 36.053 | -0.263 | 36.061 | -0.284 | 36.077 | -0.304 | 36.095 | -0.303 |
| 36.101 | -0.387 | 36.137 | -0.449 | 36.157 | -0.427 | 36.187 | -0.363 |
| 36.209 | -0.236 | 36.237 | -0.172 | 36.277 | -0.087 | 36.305 | 0.123 |
| 36.333 | 0.102 | 36.351 | 0.207 | 36.373 | 0.290 | 36.405 | 0.269 |
| 36.439 | 0.289 | 36.466 | 0.247 | 36.504 | 0.393 | 36.534 | 0.582 |
| 36.550 | 0.603 | 36.566 | 0.686 | 36.606 | 0.770 | 36.648 | 0.748 |
| 36.680 | 0.727 | 36.694 | 0.642 | 36.698 | 0.558 | 36.734 | 0.534 |
| 36.754 | 0.532 | 36.776 | 0.530 | 36.794 | 0.507 | 36.832 | 0.483 |
| 36.858 | 0.356 | 36.883 | 0.310 | 36.911 | 0.203 | 36.949 | 0.074 |
| 36.963 | -0.096 | 36.991 | -0.203 | 37.023 | -0.332 | 37.039 | -0.417 |
| 37.059 | -0.461 | 37.083 | -0.463 | 37.115 | -0.467 | 37.147 | -0.512 |
| 37.171 | -0.599 | 37.191 | -0.685 | 37.205 | -0.750 | 37.217 | -0.814 |
| 37.249 | -0.734 | 37.289 | -0.571 | 37.318 | -0.490 | 37.344 | -0.388 |
| 37.392 | -0.289 | 37.432 | -0.210 | 37.470 | -0.214 | 37.504 | -0.197 |
| 37.536 | -0.071 | 37.560 | 0.117 | 37.590 | 0.242 | 37.616 | 0.367 |
| 37.654 | 0.408 | 37.676 | 0.428 | 37.698 | 0.407 | 37.717 | 0.366 |
| 37.739 | 0.326 | 37.757 | 0.327 | 37.805 | 0.455 | 37.819 | 0.540 |
| 37.835 | 0.604 | 37.851 | 0.626 | 37.893 | 0.543 | 37.905 | 0.543 |
| 37.931 | 0.563 | 37.947 | 0.542 | 37.979 | 0.457 | 38.011 | 0.331 |
| 38.045 | 0.266 | 38.067 | 0.117 | 38.115 | 0.071 | 38.164 | 0.108 |
| 38.182 | 0.085 | 38.196 | 0.042 | 38.226 | -0.003 | 38.236 | -0.025 |
| 38.252 | -0.174 | 38.260 | -0.216 | 38.278 | -0.281 | 38.306 | -0.304 |
| 38.350 | -0.306 | 38.370 | -0.286 | 38.388 | -0.245 | 38.396 | -0.203 |
| 38.420 | -0.226 | 38.452 | -0.227 | 38.470 | -0.270 | 38.492 | -0.313 |
| 38.522 | -0.128 | 38.528 | -0.273 | 38.542 | -0.273 | 38.559 | -0.232 |
| 38.573 | -0.128 | 38.575 | -0.128 | 38.579 | -0.128 | 38.581 | -0.107 |
| 38.595 | -0.045 | 38.611 | 0.038 | 38.613 | 0.038 | 38.645 | 0.120 |
| 38.673 | 0.182 | 38.701 | 0.202 | 38.731 | 0.221 | 38.741 | 0.221 |
| 38.749 | 0.199 | 38.779 | 0.156 | 38.803 | 0.008 | 38.829 | 0.007 |
| 38.853 | 0.068 | 38.887 | 0.088 | 38.931 | 0.232 | 38.966 | 0.294 |
| 38.992 | 0.146 | 39.026 | 0.081 | 39.070 | 0.016 | 39.110 | -0.028 |
| 39.156 | -0.093 | 39.196 | -0.158 | 39.254 | -0.307 | | |

IQ235

71.164 14724 VENTURA BLVD L.A. PENTHOUSE 2/9/71 0600PST UP

1815 PCINTS 39.358 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR
ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.3224 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|-------|
| 0.0 | -0.180 | 0.014 | -0.043 | 0.032 | 0.053 | 0.046 | 0.094 | 1.265 | -0.270 | 1.267 | -0.394 | 1.273 | -0.564 | 1.281 | -0.572 | | |
| 0.058 | 0.040 | 0.062 | 0.012 | 0.078 | -0.056 | 0.094 | -0.036 | 1.299 | -0.408 | 1.307 | -0.189 | 1.313 | 0.003 | 1.319 | 0.140 | | |
| 0.108 | 0.067 | 0.120 | 0.150 | 0.136 | 0.219 | 0.148 | 0.205 | 1.323 | 0.222 | 1.327 | 0.331 | 1.331 | 0.400 | 1.335 | 0.441 | | |
| 0.166 | 0.150 | 0.180 | 0.068 | 0.158 | -0.000 | 0.217 | -0.036 | 1.343 | 0.495 | 1.353 | 0.468 | 1.361 | 0.220 | 1.363 | 0.220 | | |
| 0.225 | -0.151 | 0.239 | -0.151 | 0.247 | -0.069 | 0.253 | 0.014 | 1.365 | 0.220 | 1.369 | -0.397 | 1.393 | -0.576 | 1.397 | -0.754 | | |
| 0.255 | 0.096 | 0.261 | 0.137 | 0.265 | 0.178 | 0.271 | 0.220 | 1.411 | -0.412 | 1.417 | -0.152 | 1.433 | 0.465 | 1.443 | 0.698 | | |
| 0.277 | 0.233 | 0.289 | 0.151 | 0.297 | 0.028 | 0.303 | -0.082 | 1.457 | 1.040 | 1.472 | 0.684 | 1.484 | 0.204 | 1.500 | -0.153 | | |
| 0.305 | -0.140 | 0.317 | -0.205 | 0.321 | -0.205 | 0.335 | -0.109 | 1.504 | -0.523 | 1.522 | -0.921 | 1.542 | -0.482 | 1.554 | -0.194 | | |
| 0.341 | 0.042 | 0.351 | 0.124 | 0.359 | 0.166 | 0.361 | 0.262 | 1.572 | 0.039 | 1.586 | -0.043 | 1.602 | -0.180 | 1.624 | -0.304 | | |
| 0.375 | 0.262 | 0.383 | 0.179 | 0.389 | 0.084 | 0.393 | 0.015 | 1.626 | -0.400 | 1.656 | -0.221 | 1.666 | 0.094 | 1.704 | 0.204 | | |
| 0.395 | -0.067 | 0.397 | -0.122 | 0.399 | -0.122 | 0.405 | -0.177 | 1.728 | 0.080 | 1.762 | -0.167 | 1.778 | -0.194 | 1.794 | -0.249 | | |
| 0.407 | -0.177 | 0.413 | -0.273 | 0.425 | -0.190 | 0.431 | -0.057 | 1.812 | -0.071 | 1.820 | 0.121 | 1.840 | 0.327 | 1.864 | 0.588 | | |
| 0.439 | 0.015 | 0.445 | 0.043 | 0.451 | 0.098 | 0.457 | 0.153 | 1.874 | 0.286 | 1.891 | 0.025 | 1.907 | -0.195 | 1.931 | -0.277 | | |
| 0.461 | 0.180 | 0.473 | 0.066 | 0.487 | 0.098 | 0.517 | 0.037 | 1.955 | -0.195 | 1.977 | -0.058 | 1.993 | 0.106 | 2.003 | 0.065 | | |
| 0.519 | 0.016 | 0.535 | -0.066 | 0.545 | -0.121 | 0.547 | -0.121 | 2.005 | -0.072 | 2.013 | -0.182 | 2.033 | -0.237 | 2.043 | -0.237 | | |
| 0.551 | -0.203 | 0.561 | -0.230 | 0.573 | -0.299 | 0.581 | -0.367 | 2.053 | 0.037 | 2.071 | 0.215 | 2.091 | -0.270 | 2.101 | -0.133 | | |
| 0.591 | -0.258 | 0.605 | -0.162 | 0.615 | -0.038 | 0.621 | 0.072 | 2.113 | 0.023 | 2.133 | -0.169 | 2.139 | -0.224 | 2.147 | -0.465 | | |
| 0.634 | 0.154 | 0.638 | 0.154 | 0.648 | 0.158 | 0.654 | 0.017 | 2.153 | -0.334 | 2.157 | -0.402 | 2.173 | -0.520 | 2.187 | -0.183 | | |
| 0.664 | -0.065 | 0.678 | 0.059 | 0.688 | 0.168 | 0.694 | 0.234 | 2.195 | -0.046 | 2.205 | 0.036 | 2.217 | 0.118 | 2.219 | 0.118 | | |
| 0.696 | 0.319 | 0.706 | 0.374 | 0.714 | 0.498 | 0.720 | 0.367 | 2.229 | 0.187 | 2.241 | 0.132 | 2.249 | 0.022 | 2.257 | -0.046 | | |
| 0.730 | 0.251 | 0.732 | 0.251 | 0.734 | 0.018 | 0.736 | -0.078 | 2.259 | -0.156 | 2.269 | -0.211 | 2.292 | -0.032 | 2.294 | 0.174 | | |
| 0.738 | -0.188 | 0.752 | -0.243 | 0.758 | -0.146 | 0.774 | -0.064 | 2.300 | 0.379 | 2.306 | 0.392 | 2.318 | 0.215 | 2.332 | -0.004 | | |
| 0.782 | -0.050 | 0.792 | 0.018 | 0.798 | 0.046 | 0.802 | 0.114 | 2.334 | -0.004 | 2.338 | -0.223 | 2.358 | -0.374 | 2.362 | -0.305 | | |
| 0.816 | -0.009 | 0.818 | -0.064 | 0.830 | -0.147 | 0.838 | -0.229 | 2.404 | -0.154 | 2.418 | 0.011 | 2.428 | 0.121 | 2.444 | 0.327 | | |
| 0.840 | -0.311 | 0.842 | -0.311 | 0.846 | -0.366 | 0.848 | -0.367 | 2.460 | 0.204 | 2.462 | 0.053 | 2.468 | -0.084 | 2.470 | -0.084 | | |
| 0.856 | -0.422 | 0.870 | -0.340 | 0.876 | -0.148 | 0.878 | 0.017 | 2.472 | -0.248 | 2.490 | -0.358 | 2.508 | -0.275 | 2.518 | -0.316 | | |
| 0.884 | 0.112 | 0.886 | 0.236 | 0.890 | 0.339 | 0.900 | 0.441 | 2.528 | -0.057 | 2.540 | 0.041 | 2.542 | 0.041 | 2.554 | 0.315 | | |
| 0.914 | 0.317 | 0.924 | 0.234 | 0.926 | 0.234 | 0.928 | 0.234 | 2.566 | 0.398 | 2.572 | 0.192 | 2.578 | 0.041 | 2.580 | 0.041 | | |
| 0.930 | 0.234 | 0.932 | 0.234 | 0.934 | 0.234 | 0.936 | -0.287 | 2.586 | -0.301 | 2.596 | -0.363 | 2.602 | -0.452 | 2.610 | -0.260 | | |
| 0.938 | -0.397 | 0.952 | -0.425 | 0.962 | -0.439 | 0.968 | -0.274 | 2.620 | -0.013 | 2.628 | 0.175 | 2.636 | 0.193 | 2.654 | 0.303 | | |
| 0.984 | 0.123 | 0.990 | 0.342 | 0.996 | 0.534 | 0.998 | 0.671 | 2.670 | 0.331 | 2.674 | 0.208 | 2.684 | 0.099 | 2.698 | -0.093 | | |
| 1.000 | 0.753 | 1.008 | 0.739 | 1.016 | 0.574 | 1.020 | 0.259 | 2.719 | -0.133 | 2.745 | -0.201 | 2.757 | -0.283 | 2.767 | -0.378 | | |
| 1.026 | -0.057 | 1.036 | -0.455 | 1.040 | -0.757 | 1.043 | -0.867 | 2.783 | -0.158 | 2.797 | 0.062 | 2.799 | 0.211 | 2.811 | 0.309 | | |
| 1.047 | -0.949 | 1.059 | -0.963 | 1.067 | -0.854 | 1.073 | -0.648 | 2.817 | 0.432 | 2.823 | 0.460 | 2.829 | 0.611 | 2.849 | 0.557 | | |
| 1.083 | -0.388 | 1.085 | -0.045 | 1.091 | 0.311 | 1.093 | 0.709 | 2.837 | 0.461 | 2.841 | 0.324 | 2.845 | 0.200 | 2.849 | 0.091 | | |
| 1.105 | 0.914 | 1.119 | 0.887 | 1.135 | 0.625 | 1.143 | 0.365 | 2.857 | -0.032 | 2.873 | -0.073 | 2.885 | -0.031 | 2.899 | -0.060 | | |
| 1.153 | 0.008 | 1.155 | 0.008 | 1.157 | 0.008 | 1.159 | 0.008 | 2.901 | -0.154 | 2.903 | -0.154 | 2.911 | -0.154 | 2.919 | -0.017 | | |
| 1.163 | -0.939 | 1.183 | -0.789 | 1.191 | -0.515 | 1.193 | -0.240 | 2.933 | 0.052 | 2.941 | 0.190 | 2.949 | -0.029 | 2.953 | -0.166 | | |
| 1.201 | 0.116 | 1.203 | 0.226 | 1.209 | 0.294 | 1.217 | 0.390 | 2.965 | -0.330 | 2.967 | -0.330 | 2.971 | -0.426 | 2.989 | -0.234 | | |
| 1.241 | 0.444 | 1.247 | 0.252 | 1.255 | 0.059 | 1.261 | -0.174 | 2.997 | -0.110 | 3.005 | 0.192 | 3.007 | 0.398 | 3.015 | 0.508 | | |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.027 | 0.563 | 3.037 | 0.413 | 3.045 | 0.097 | 3.053 | -0.122 | 5.814 | 0.605 | 5.820 | 0.715 | 5.836 | 0.867 | 5.844 | 0.744 |
| 3.063 | -0.369 | 3.071 | -0.561 | 3.087 | -0.506 | 3.095 | -0.314 | 5.856 | -0.065 | 5.872 | -0.256 | 5.886 | -0.009 | 5.894 | 0.596 |
| 3.099 | -0.136 | 3.103 | 0.001 | 3.107 | 0.193 | 3.115 | 0.372 | 5.926 | 0.624 | 5.930 | 0.569 | 5.944 | 0.007 | 5.962 | -0.225 |
| 3.119 | 0.495 | 3.128 | 0.495 | 3.134 | 0.276 | 3.140 | 0.152 | 5.976 | -0.458 | 5.992 | -0.786 | 6.004 | -1.170 | 6.010 | -1.361 |
| 3.144 | -0.012 | 3.146 | -0.177 | 3.150 | -0.273 | 3.166 | -0.396 | 6.022 | -1.210 | 6.032 | -1.017 | 6.071 | 0.465 | 6.089 | 0.974 |
| 3.176 | -0.218 | 3.182 | -0.040 | 3.200 | 0.043 | 3.206 | 0.139 | 6.105 | 1.098 | 6.119 | 0.920 | 6.137 | 0.125 | 6.167 | -0.010 |
| 3.224 | -0.248 | 3.238 | 0.235 | 3.246 | 0.015 | 3.248 | -0.053 | 6.191 | 0.361 | 6.203 | 0.457 | 6.217 | 0.238 | 6.233 | 0.161 |
| 3.252 | -0.095 | 3.278 | 0.001 | 3.278 | 0.001 | 3.294 | 0.097 | 6.245 | 0.046 | 6.259 | 0.155 | 6.287 | -0.558 | 6.301 | -0.709 |
| 3.324 | -0.026 | 3.328 | -0.026 | 3.328 | -0.026 | 3.336 | -0.465 | 6.317 | -1.038 | 6.339 | -0.325 | 6.359 | -0.037 | 6.373 | 0.086 |
| 3.338 | -0.597 | 3.366 | -0.698 | 3.384 | -0.383 | 3.390 | 0.012 | 6.401 | 0.401 | 6.429 | -0.381 | 6.441 | -0.381 | 6.449 | -0.518 |
| 3.396 | 0.527 | 3.422 | 0.564 | 3.430 | 0.084 | 3.454 | -0.342 | 6.466 | -0.409 | 6.486 | -0.052 | 6.514 | -0.532 | 6.526 | -0.903 |
| 3.462 | -0.515 | 3.500 | -0.315 | 3.516 | -0.068 | 3.518 | -0.068 | 6.558 | 1.766 | 6.572 | -1.136 | 6.586 | -1.040 | 6.614 | 1.030 |
| 3.522 | 0.714 | 3.534 | 1.070 | 3.549 | 0.028 | 3.561 | 0.535 | 6.634 | 1.276 | 6.658 | 0.053 | 6.672 | 0.053 | 6.690 | 0.176 |
| 3.571 | -0.999 | 3.599 | -0.480 | 3.621 | -0.192 | 3.643 | 0.109 | 6.722 | 1.025 | 6.738 | 1.244 | 6.794 | -1.131 | 6.826 | -0.022 |
| 3.663 | -0.220 | 3.681 | -0.481 | 3.687 | -0.522 | 3.711 | -0.083 | 6.848 | 0.238 | 6.866 | 0.867 | 6.889 | 0.730 | 6.899 | 0.578 |
| 3.727 | 0.287 | 3.735 | 0.506 | 3.751 | 0.561 | 3.783 | -0.056 | 6.921 | 0.152 | 6.951 | 0.837 | 6.969 | 1.001 | 7.001 | -0.550 |
| 3.791 | -0.331 | 3.805 | -0.893 | 3.823 | -0.866 | 3.833 | -0.468 | 7.017 | -0.647 | 7.043 | -0.278 | 7.051 | -0.673 | 7.071 | 0.242 |
| 3.841 | -0.153 | 3.849 | 0.382 | 3.863 | 0.560 | 3.865 | 0.725 | 7.083 | 0.091 | 7.105 | -0.075 | 7.167 | 1.431 | 7.181 | 1.567 |
| 3.875 | 0.807 | 3.887 | 0.423 | 3.895 | -0.153 | 3.897 | -0.537 | 7.221 | -0.657 | 7.241 | -0.821 | 7.259 | -0.315 | 7.287 | 0.219 |
| 3.907 | -0.675 | 3.925 | -0.743 | 3.943 | -0.538 | 3.957 | -0.044 | 7.318 | 0.506 | 7.344 | -0.044 | 7.372 | 0.586 | 7.386 | 0.667 |
| 3.968 | 0.203 | 3.984 | 0.257 | 4.004 | -0.291 | 4.010 | -0.607 | 7.406 | 0.365 | 7.420 | -1.172 | 7.456 | 0.047 | 7.474 | 0.224 |
| 4.016 | -0.758 | 4.042 | -0.511 | 4.050 | -0.306 | 4.056 | -0.018 | 7.516 | -0.792 | 7.604 | 1.673 | 7.618 | 1.823 | 7.656 | -0.702 |
| 4.060 | 0.380 | 4.068 | 0.545 | 4.078 | 0.256 | 4.090 | 0.119 | 7.680 | -0.827 | 7.713 | -0.417 | 7.727 | -0.555 | 7.755 | -0.131 |
| 4.106 | 0.174 | 4.124 | 0.434 | 4.150 | 0.338 | 4.166 | -0.005 | 7.789 | -0.694 | 7.811 | -0.530 | 7.843 | 0.361 | 7.859 | 0.127 |
| 4.176 | -0.266 | 4.184 | -0.170 | 4.190 | 0.091 | 4.198 | 0.228 | 7.895 | 0.195 | 7.915 | 0.524 | 7.969 | -0.643 | 7.995 | -0.808 |
| 4.200 | 0.379 | 4.206 | 0.516 | 4.222 | 0.420 | 4.242 | 0.365 | 8.035 | -0.205 | 8.053 | -0.123 | 8.075 | -0.988 | 8.142 | -0.015 |
| 4.258 | 0.227 | 4.264 | -0.129 | 4.266 | -0.129 | 4.270 | -0.802 | 8.164 | -0.605 | 8.188 | -0.907 | 8.234 | -0.207 | 8.250 | 0.301 |
| 4.272 | -1.144 | 4.278 | -1.241 | 4.294 | -0.967 | 4.298 | -0.349 | 8.274 | -1.057 | 8.336 | 0.590 | 8.356 | 0.865 | 8.378 | 0.756 |
| 4.308 | 0.350 | 4.310 | 0.693 | 4.314 | 0.830 | 4.330 | 0.871 | 8.418 | 0.578 | 8.418 | 0.112 | 8.442 | -0.162 | 8.472 | -0.230 |
| 4.336 | 0.733 | 4.338 | 0.226 | 4.350 | -0.049 | 4.360 | -0.282 | 8.474 | -0.120 | 8.518 | 0.868 | 8.547 | 0.155 | 8.571 | -0.078 |
| 4.368 | -0.598 | 4.377 | -0.584 | 4.393 | -0.488 | 4.409 | -0.063 | 8.613 | 0.368 | 8.649 | -0.261 | 8.699 | 0.695 | 8.733 | -0.100 |
| 4.423 | 0.142 | 4.447 | -0.009 | 4.455 | -0.133 | 4.459 | -0.297 | 8.747 | -0.003 | 8.775 | -0.606 | 8.789 | -0.701 | 8.813 | -0.604 |
| 4.477 | 0.004 | 4.489 | 0.456 | 4.503 | 0.744 | 4.507 | 0.538 | 8.843 | -0.878 | 8.877 | 0.455 | 8.907 | 0.798 | 8.958 | -0.284 |
| 4.535 | 0.209 | 4.539 | -0.244 | 4.543 | -0.573 | 4.559 | -0.937 | 8.988 | -0.694 | 9.046 | 0.198 | 9.070 | -0.131 | 9.128 | -0.047 |
| 4.577 | -0.999 | 4.591 | -0.382 | 4.595 | 0.427 | 4.603 | 0.921 | 9.160 | 0.502 | 9.182 | 0.654 | 9.204 | 0.969 | 9.240 | -0.114 |
| 4.615 | 1.113 | 4.629 | 0.838 | 4.645 | 0.358 | 4.649 | -0.437 | 9.264 | -0.265 | 9.288 | -0.045 | 9.302 | -0.086 | 9.338 | -0.839 |
| 4.663 | -0.711 | 4.681 | -0.423 | 4.689 | 0.249 | 4.711 | 0.510 | 9.352 | -0.908 | 9.391 | -0.070 | 9.413 | 0.026 | 9.455 | 1.069 |
| 4.743 | 0.524 | 4.747 | 0.098 | 4.753 | -0.217 | 4.759 | -0.560 | 9.487 | 0.137 | 9.511 | -0.082 | 9.563 | -0.040 | 9.607 | -0.766 |
| 4.771 | -0.711 | 4.779 | -0.889 | 4.808 | -0.491 | 4.830 | -0.765 | 9.647 | 0.588 | 9.671 | 0.990 | 9.685 | 0.744 | 9.711 | 0.004 |
| 4.880 | 0.456 | 4.898 | 0.593 | 4.908 | 0.552 | 4.936 | 0.758 | 9.761 | 1.047 | 9.769 | 0.841 | 9.810 | -0.118 | 9.834 | -0.337 |
| 4.936 | 0.937 | 4.962 | 0.649 | 4.972 | 0.484 | 4.988 | 0.731 | 9.862 | -0.254 | 9.904 | -0.638 | 9.918 | -0.747 | 9.978 | 1.407 |
| 5.004 | 0.567 | 5.018 | 0.595 | 5.026 | 0.458 | 5.042 | 0.033 | 9.998 | 1.613 | 10.008 | 1.380 | 10.048 | -0.156 | 10.086 | -0.799 |
| 5.050 | -1.133 | 5.058 | -1.448 | 5.074 | -1.516 | 5.108 | 0.117 | 10.112 | -1.018 | 10.160 | -0.139 | 10.192 | 0.272 | 10.213 | 0.149 |
| 5.124 | 0.652 | 5.140 | 0.913 | 5.148 | 1.105 | 5.154 | 1.215 | 10.241 | 0.738 | 10.275 | 1.396 | 10.307 | 0.395 | 10.331 | -0.072 |
| 5.160 | 1.380 | 5.188 | 1.078 | 5.188 | 0.613 | 5.196 | 0.325 | 10.363 | 0.065 | 10.391 | -0.388 | 10.411 | -0.662 | 10.427 | -0.649 |
| 5.204 | 0.213 | 5.213 | 0.312 | 5.229 | 0.120 | 5.237 | -0.017 | 10.463 | -0.018 | 10.479 | 0.078 | 10.487 | 0.009 | 10.497 | -0.156 |
| 5.243 | -0.154 | 5.259 | -0.222 | 5.265 | -0.400 | 5.291 | -0.345 | 10.503 | -0.293 | 10.509 | -0.389 | 10.511 | -0.526 | 10.525 | -0.663 |
| 5.293 | -0.564 | 5.305 | -0.783 | 5.315 | -1.153 | 5.323 | -1.180 | 10.537 | -0.567 | 10.559 | -0.074 | 10.567 | 0.502 | 10.575 | 0.776 |
| 5.355 | -0.220 | 5.365 | 0.316 | 5.379 | 0.508 | 5.393 | 0.405 | 10.601 | 0.762 | 10.609 | 0.401 | 10.615 | 0.156 | 10.654 | 0.089 |
| 5.401 | 0.742 | 5.411 | 0.536 | 5.429 | 0.400 | 5.441 | 0.318 | 10.664 | -0.282 | 10.672 | -0.501 | 10.686 | -0.625 | 10.696 | -0.886 |
| 5.459 | 0.593 | 5.483 | 1.005 | 5.501 | 1.170 | 5.505 | 1.088 | 10.710 | -1.188 | 10.734 | -0.914 | 10.750 | -0.709 | 10.768 | 0.469 |
| 5.533 | -0.420 | 5.541 | -0.474 | 5.561 | -1.091 | 5.571 | -1.255 | 10.814 | 1.388 | 10.856 | 0.595 | 10.868 | -0.781 | 10.894 | -1.399 |
| 5.579 | -0.227 | 5.587 | -1.172 | 5.613 | -0.293 | 5.632 | -0.306 | 10.934 | -0.920 | 10.962 | -0.715 | 10.980 | -0.016 | 11.010 | 0.080 |
| 5.646 | -0.251 | 5.654 | -0.059 | 5.656 | -0.059 | 5.688 | 0.930 | 11.026 | -0.318 | 11.041 | -0.675 | 11.073 | -1.169 | 11.075 | -1.169 |
| 5.690 | 0.930 | 5.706 | 1.164 | 5.718 | 0.684 | 5.726 | 0.492 | 11.127 | -0.827 | 11.171 | -0.197 | 11.207 | 0.461 | 11.241 | 0.186 |
| 5.740 | 0.177 | 5.764 | -1.248 | 5.774 | -1.495 | 5.788 | -1.385 | 11.261 | 0.007 | 11.307 | 0.363 | 11.331 | -0.282 | 11.345 | -0.749 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 11.359 | -1.078 | 11.385 | -0.379 | 11.415 | 0.005 | 11.433 | -0.022 | 15.064 | -0.057 | 15.086 | -0.113 | 15.106 | -0.099 | 15.116 | -0.098 |
| 11.435 | -0.241 | 11.437 | -0.241 | 11.478 | -0.323 | 11.506 | -0.185 | 15.136 | -0.058 | 15.146 | -0.079 | 15.162 | -0.189 | 15.186 | 0.037 |
| 11.544 | -0.171 | 11.568 | -0.074 | 11.578 | 0.008 | 11.582 | -0.145 | 15.217 | -0.100 | 15.247 | 0.078 | 15.261 | 0.064 | 15.283 | -0.073 |
| 11.590 | 0.255 | 11.604 | 0.475 | 11.610 | 0.502 | 11.636 | 0.379 | 15.309 | -0.169 | 15.339 | -0.046 | 15.361 | 0.064 | 15.385 | -0.115 |
| 11.650 | 0.256 | 11.668 | 0.133 | 11.680 | -0.031 | 11.690 | -0.182 | 15.409 | 0.008 | 15.431 | 0.242 | 15.441 | 0.448 | 15.467 | 0.558 |
| 11.696 | -0.237 | 11.708 | -0.127 | 11.728 | 0.066 | 11.742 | -0.016 | 15.483 | 0.366 | 15.497 | 0.174 | 15.509 | 0.023 | 15.529 | -0.032 |
| 11.752 | 0.039 | 11.780 | 0.094 | 11.796 | -0.057 | 11.812 | -0.221 | 15.555 | -0.119 | 15.579 | 0.284 | 15.580 | 0.181 | 15.604 | -0.141 |
| 11.826 | -0.358 | 11.840 | -0.015 | 11.850 | 0.163 | 11.872 | 0.342 | 15.626 | -0.278 | 15.660 | -0.401 | 15.680 | 0.052 | 15.772 | 0.080 |
| 11.901 | 0.314 | 11.913 | 0.109 | 11.923 | 0.165 | 11.939 | -0.220 | 15.710 | 0.203 | 15.734 | 0.107 | 15.750 | 0.052 | 15.772 | 0.080 |
| 11.969 | -0.028 | 12.009 | 0.192 | 12.043 | 0.178 | 12.077 | -0.179 | 15.796 | -0.057 | 15.822 | 0.094 | 15.838 | 0.232 | 15.854 | 0.314 |
| 12.105 | 0.069 | 12.117 | -0.150 | 12.133 | -0.273 | 12.157 | -0.095 | 15.796 | -0.057 | 15.822 | 0.094 | 15.838 | 0.232 | 15.854 | 0.314 |
| 12.185 | 0.125 | 12.195 | -0.013 | 12.219 | -0.054 | 12.247 | -0.192 | 15.866 | -0.206 | 15.886 | -0.069 | 16.004 | -0.028 | 16.030 | -0.069 |
| 12.265 | -0.248 | 12.279 | -0.111 | 12.289 | -0.097 | 12.322 | -0.180 | 16.053 | -0.068 | 16.071 | 0.028 | 16.093 | 0.179 | 16.111 | 0.179 |
| 12.346 | -0.195 | 12.352 | -0.291 | 12.362 | -0.401 | 12.378 | -0.511 | 16.129 | 0.220 | 16.157 | 0.385 | 16.175 | 0.207 | 16.195 | 0.015 |
| 12.398 | -0.416 | 12.412 | -0.197 | 12.428 | -0.101 | 12.450 | -0.047 | 16.227 | -0.013 | 16.255 | -0.014 | 16.271 | 0.178 | 16.293 | 0.218 |
| 12.460 | 0.173 | 12.466 | 0.310 | 12.490 | -0.213 | 12.502 | 0.034 | 16.311 | 0.328 | 16.327 | 0.204 | 16.337 | 0.080 | 16.349 | -0.071 |
| 12.504 | 0.034 | 12.518 | -0.076 | 12.528 | -0.241 | 12.534 | -0.392 | 16.367 | -0.195 | 16.395 | -0.182 | 16.411 | -0.182 | 16.417 | -0.114 |
| 12.540 | -0.460 | 12.556 | -0.516 | 12.570 | -0.393 | 12.586 | -0.215 | 16.441 | -0.101 | 16.460 | -0.197 | 16.478 | -0.294 | 16.500 | 0.087 |
| 12.596 | 0.005 | 12.610 | 0.155 | 12.618 | 0.196 | 12.628 | 0.169 | 16.520 | 0.267 | 16.546 | 0.472 | 16.582 | 0.238 | 16.608 | 0.087 |
| 12.642 | 0.045 | 12.654 | -0.120 | 12.666 | -0.285 | 12.670 | -0.545 | 16.636 | -0.037 | 16.660 | -0.176 | 16.710 | -0.245 | 16.728 | -0.122 |
| 12.676 | -0.737 | 12.692 | -0.834 | 12.709 | -0.711 | 12.715 | -0.491 | 16.760 | -0.109 | 16.784 | -0.082 | 16.812 | 0.109 | 16.830 | 0.012 |
| 12.717 | -0.382 | 12.727 | -0.245 | 12.733 | -0.053 | 12.747 | -0.671 | 16.868 | -0.112 | 16.881 | 0.011 | 16.893 | 0.162 | 16.909 | 0.257 |
| 12.787 | -0.739 | 12.803 | -0.548 | 12.823 | -0.287 | 12.839 | 0.041 | 16.929 | 0.173 | 17.023 | 0.282 | 17.049 | 0.131 | 17.073 | 0.006 |
| 12.851 | 0.220 | 12.875 | 0.055 | 12.885 | -0.069 | 12.915 | 0.013 | 17.089 | 0.021 | 17.113 | -0.034 | 17.145 | -0.103 | 17.185 | -0.048 |
| 12.925 | 0.122 | 12.931 | 0.218 | 12.935 | 0.438 | 12.939 | 0.520 | 17.207 | 0.075 | 17.247 | 0.157 | 17.281 | 0.294 | 17.312 | 0.184 |
| 12.941 | 0.588 | 12.953 | 0.698 | 12.965 | 0.780 | 12.983 | 0.711 | 17.336 | 0.170 | 17.376 | 0.060 | 17.394 | 0.101 | 17.414 | 0.046 |
| 12.999 | 0.616 | 13.015 | 0.588 | 13.023 | 0.438 | 13.041 | 0.301 | 17.452 | 0.185 | 17.466 | 0.281 | 17.512 | 0.310 | 17.530 | 0.214 |
| 13.053 | 0.301 | 13.063 | 0.096 | 13.077 | -0.069 | 13.085 | -0.055 | 17.550 | -0.077 | 17.566 | 0.009 | 17.598 | -0.196 | 17.630 | -0.401 |
| 13.099 | 0.028 | 13.109 | 0.083 | 13.119 | 0.093 | 13.134 | 0.206 | 17.660 | -0.551 | 17.694 | -0.276 | 17.719 | 0.164 | 17.743 | 0.425 |
| 13.140 | 0.303 | 13.164 | 0.426 | 13.172 | 0.399 | 13.186 | 0.139 | 17.763 | -0.247 | 17.783 | 0.001 | 17.803 | -0.163 | 17.825 | -0.149 |
| 13.210 | -0.012 | 13.230 | 0.002 | 13.248 | 0.153 | 13.270 | 0.113 | 17.853 | -0.148 | 17.879 | 0.018 | 17.899 | 0.115 | 17.921 | 0.115 |
| 13.284 | 0.086 | 13.300 | -0.051 | 13.318 | -0.133 | 13.340 | -0.023 | 18.043 | -0.182 | 18.057 | -0.099 | 18.083 | -0.044 | 18.099 | -0.071 |
| 13.362 | 0.155 | 13.374 | 0.224 | 13.390 | 0.087 | 13.406 | -0.077 | 18.138 | 0.095 | 18.162 | 0.247 | 18.188 | 0.303 | 18.226 | 0.276 |
| 13.430 | -0.186 | 13.452 | -0.089 | 13.476 | 0.048 | 13.494 | -0.157 | 18.242 | -0.262 | 18.280 | -0.070 | 18.304 | -0.149 | 18.320 | -0.245 |
| 13.518 | -0.348 | 13.532 | -0.471 | 13.549 | -0.471 | 13.565 | -0.263 | 18.338 | -0.245 | 18.368 | -0.108 | 18.388 | -0.012 | 18.416 | -0.081 |
| 13.583 | -0.182 | 13.601 | -0.058 | 13.615 | -0.167 | 13.623 | -0.328 | 18.442 | -0.136 | 18.466 | -0.177 | 18.504 | -0.341 | 18.534 | -0.451 |
| 13.641 | -0.290 | 13.663 | -0.084 | 13.671 | 0.108 | 13.687 | 0.328 | 18.563 | -0.259 | 18.601 | -0.040 | 18.641 | -0.178 | 18.681 | 0.068 |
| 13.711 | 0.370 | 13.725 | 0.274 | 13.745 | 0.165 | 13.765 | 0.042 | 18.673 | -0.366 | 18.681 | 0.214 | 18.773 | 0.367 | 18.797 | 0.490 |
| 13.783 | 0.070 | 13.801 | 0.249 | 13.809 | 0.358 | 13.823 | 0.441 | 18.829 | 0.366 | 18.861 | 0.258 | 18.885 | 0.282 | 18.907 | 0.336 |
| 13.831 | 0.359 | 13.855 | 0.208 | 13.869 | 0.113 | 13.889 | 0.168 | 18.945 | -0.281 | 19.056 | 0.088 | 19.086 | -0.050 | 19.020 | -0.092 |
| 13.901 | 0.305 | 13.909 | 0.429 | 13.921 | 0.388 | 13.935 | 0.182 | 19.046 | -0.079 | 19.056 | 0.030 | 19.086 | 0.153 | 19.114 | 0.028 |
| 13.951 | -0.023 | 13.966 | 0.046 | 13.978 | -0.078 | 13.992 | 0.019 | 19.134 | 0.028 | 19.158 | 0.041 | 19.184 | 0.191 | 19.198 | 0.176 |
| 14.006 | 0.101 | 14.024 | 0.252 | 14.050 | 0.253 | 14.066 | 0.006 | 19.214 | 0.052 | 19.228 | -0.071 | 19.244 | -0.154 | 19.268 | -0.100 |
| 14.088 | -0.254 | 14.098 | -0.364 | 14.118 | -0.226 | 14.144 | 0.040 | 19.290 | -0.060 | 19.336 | -0.198 | 19.336 | -0.253 | 19.370 | -0.131 |
| 14.166 | 0.049 | 14.194 | 0.022 | 14.218 | 0.366 | 14.234 | 0.640 | 19.395 | -0.214 | 19.421 | -0.283 | 19.457 | -0.160 | 19.491 | -0.023 |
| 14.256 | 0.929 | 14.278 | 0.751 | 14.298 | 0.491 | 14.310 | 0.231 | 19.527 | -0.023 | 19.557 | -0.037 | 19.573 | -0.120 | 19.607 | -0.161 |
| 14.324 | -0.029 | 14.336 | -0.194 | 14.354 | -0.193 | 14.379 | -0.261 | 19.631 | -0.061 | 19.659 | -0.079 | 19.683 | -0.134 | 19.709 | -0.039 |
| 14.399 | -0.178 | 14.411 | 0.000 | 14.433 | -0.205 | 14.455 | -0.424 | 19.735 | 0.071 | 19.763 | 0.012 | 19.800 | -0.053 | 19.832 | 0.029 |
| 14.467 | -0.547 | 14.489 | -0.601 | 14.505 | -0.601 | 14.519 | -0.299 | 19.860 | 0.098 | 19.884 | 0.044 | 19.924 | 0.168 | 19.954 | 0.114 |
| 14.535 | -0.065 | 14.545 | 0.031 | 14.555 | -0.106 | 14.577 | -0.105 | 19.970 | 0.073 | 19.988 | -0.023 | 20.012 | -0.091 | 20.040 | -0.022 |
| 14.593 | -0.215 | 14.627 | -0.283 | 14.643 | -0.392 | 14.663 | -0.323 | 20.054 | 0.074 | 20.086 | -0.089 | 20.108 | -0.021 | 20.140 | -0.130 |
| 14.691 | -0.185 | 14.721 | -0.226 | 14.743 | -0.116 | 14.765 | -0.033 | 20.164 | -0.184 | 20.192 | -0.156 | 20.225 | -0.128 | 20.263 | -0.100 |
| 14.794 | -0.115 | 14.812 | -0.032 | 14.834 | 0.036 | 14.858 | -0.032 | 20.295 | -0.182 | 20.327 | -0.072 | 20.353 | 0.025 | 20.387 | 0.121 |
| 14.884 | -0.031 | 14.904 | -0.072 | 14.930 | -0.031 | 14.954 | -0.099 | 20.415 | 0.108 | 20.445 | 0.109 | 20.471 | -0.014 | 20.501 | -0.082 |
| 14.978 | -0.098 | 14.998 | -0.139 | 15.026 | -0.181 | 15.040 | -0.085 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 20.525 | -0.055 | 20.545 | 0.042 | 20.567 | 0.001 | 20.593 | -0.053 | 26.997 | -0.091 | 27.023 | -0.091 | 27.061 | -0.091 | 27.095 | -0.132 |
| 20.617 | 0.084 | 20.656 | 0.236 | 20.690 | 0.086 | 20.706 | -0.023 | 27.133 | -0.077 | 27.161 | 0.046 | 27.183 | -0.064 | 27.207 | -0.173 |
| 20.726 | -0.105 | 20.744 | -0.077 | 20.772 | -0.159 | 20.808 | -0.048 | 27.239 | -0.036 | 27.271 | 0.036 | 27.296 | -0.064 | 27.314 | -0.146 |
| 20.828 | 0.049 | 20.846 | 0.090 | 20.886 | 0.023 | 20.902 | 0.092 | 27.338 | -0.050 | 27.376 | 0.019 | 27.422 | -0.050 | 27.452 | -0.105 |
| 20.914 | 0.114 | 20.936 | 0.230 | 20.966 | 0.121 | 20.992 | 0.080 | 27.496 | -0.050 | 27.538 | 0.019 | 27.582 | 0.046 | 27.620 | 0.128 |
| 21.016 | 0.136 | 21.038 | 0.315 | 21.051 | 0.397 | 21.083 | 0.384 | 27.656 | -0.115 | 27.688 | 0.142 | 27.721 | 0.252 | 27.769 | 0.279 |
| 21.107 | 0.454 | 21.135 | 0.262 | 21.169 | 0.099 | 21.211 | 0.031 | 27.829 | 0.334 | 27.863 | 0.279 | 27.905 | 0.279 | 27.951 | 0.306 |
| 21.235 | 0.018 | 21.265 | -0.064 | 21.295 | -0.008 | 21.327 | 0.034 | 27.983 | 0.292 | 28.025 | 0.223 | 28.075 | 0.154 | 28.107 | 0.071 |
| 21.359 | 0.090 | 21.391 | 0.022 | 21.431 | -0.019 | 21.451 | -0.074 | 28.144 | 0.167 | 28.178 | 0.002 | 28.200 | -0.108 | 28.228 | 0.136 |
| 21.474 | -0.129 | 21.496 | -0.129 | 21.514 | -0.088 | 21.538 | -0.170 | 28.264 | -0.067 | 28.284 | -0.012 | 28.324 | -0.066 | 28.362 | -0.107 |
| 21.568 | -0.211 | 21.614 | -0.184 | 21.646 | -0.143 | 21.682 | -0.225 | 28.402 | -0.162 | 28.442 | -0.175 | 28.480 | -0.161 | 28.512 | -0.161 |
| 21.704 | -0.321 | 21.752 | -0.184 | 21.794 | -0.060 | 21.834 | -0.061 | 28.549 | -0.147 | 28.579 | -0.105 | 28.619 | -0.078 | 28.653 | -0.118 |
| 21.872 | 0.048 | 21.897 | 0.048 | 21.909 | 0.048 | 21.941 | -0.145 | 28.683 | -0.118 | 28.717 | -0.062 | 28.749 | -0.006 | 28.781 | -0.008 |
| 21.973 | -0.324 | 22.019 | -0.229 | 22.049 | -0.119 | 22.081 | -0.051 | 28.825 | -0.092 | 28.865 | 0.024 | 28.899 | -0.029 | 28.941 | -0.029 |
| 22.111 | 0.003 | 22.139 | 0.057 | 22.163 | 0.030 | 22.185 | 0.015 | 28.970 | -0.096 | 28.994 | -0.123 | 29.022 | -0.017 | 29.054 | 0.029 |
| 22.221 | -0.067 | 22.259 | 0.083 | 22.296 | 0.206 | 22.324 | 0.192 | 29.094 | -0.054 | 29.132 | 0.025 | 29.174 | -0.035 | 29.214 | -0.177 |
| 22.350 | 0.274 | 22.380 | 0.343 | 22.416 | 0.164 | 22.450 | 0.027 | 29.238 | -0.108 | 29.262 | -0.040 | 29.292 | -0.095 | 29.322 | -0.108 |
| 22.478 | 0.136 | 22.508 | 0.067 | 22.538 | 0.012 | 22.566 | 0.012 | 29.350 | -0.053 | 29.381 | -0.012 | 29.413 | -0.108 | 29.431 | -0.204 |
| 22.598 | 0.149 | 22.630 | 0.245 | 22.660 | 0.259 | 22.684 | 0.232 | 29.469 | -0.204 | 29.499 | -0.205 | 29.533 | -0.054 | 29.569 | 0.069 |
| 22.702 | 0.137 | 22.731 | 0.014 | 22.751 | -0.054 | 22.779 | 0.069 | 29.597 | -0.028 | 29.629 | 0.014 | 29.661 | 0.068 | 29.699 | 0.068 |
| 22.815 | 0.166 | 22.841 | 0.125 | 22.879 | 0.071 | 22.917 | 0.058 | 29.719 | -0.014 | 29.747 | -0.042 | 29.779 | 0.122 | 29.812 | 0.218 |
| 22.953 | 0.059 | 22.971 | -0.092 | 23.003 | -0.242 | 23.029 | -0.132 | 29.852 | 0.218 | 29.888 | 0.219 | 29.926 | 0.259 | 29.960 | 0.246 |
| 23.067 | 0.047 | 23.095 | -0.062 | 23.119 | -0.157 | 23.150 | -0.156 | 30.008 | 0.205 | 30.068 | 0.219 | 30.118 | 0.220 | 30.160 | 0.206 |
| 23.174 | -0.197 | 23.198 | -0.224 | 23.230 | -0.209 | 23.260 | -0.208 | 30.198 | 0.165 | 30.229 | 0.138 | 30.269 | 0.043 | 30.327 | 0.001 |
| 23.286 | -0.208 | 23.300 | -0.043 | 23.322 | 0.040 | 23.348 | 0.109 | 30.379 | 0.015 | 30.419 | 0.025 | 30.457 | 0.029 | 30.495 | -0.095 |
| 23.384 | 0.097 | 23.412 | 0.276 | 23.432 | 0.276 | 23.456 | 0.097 | 30.533 | 0.122 | 30.573 | 0.026 | 30.601 | -0.149 | 30.626 | -0.149 |
| 23.476 | -0.067 | 23.496 | -0.191 | 23.526 | -0.081 | 23.553 | 0.029 | 30.662 | 0.001 | 30.688 | -0.082 | 30.718 | -0.192 | 30.752 | -0.152 |
| 23.569 | 0.001 | 23.599 | -0.122 | 23.615 | -0.136 | 23.649 | -0.026 | 30.776 | -0.015 | 30.806 | -0.098 | 30.832 | -0.140 | 30.858 | 0.010 |
| 23.679 | 0.084 | 23.717 | 0.084 | 23.735 | 0.084 | 23.775 | 0.053 | 30.882 | 0.119 | 30.904 | 0.036 | 30.922 | -0.046 | 30.960 | -0.006 |
| 23.815 | -0.177 | 23.849 | -0.328 | 23.877 | -0.177 | 23.903 | -0.040 | 30.982 | 0.075 | 31.002 | 0.116 | 31.032 | -0.022 | 31.057 | -0.077 |
| 23.941 | 0.029 | 23.978 | 0.043 | 23.998 | 0.029 | 24.034 | -0.122 | 31.083 | 0.060 | 31.119 | 0.165 | 31.151 | 0.032 | 31.187 | -0.092 |
| 24.064 | -0.163 | 24.088 | -0.040 | 24.104 | 0.111 | 24.124 | 0.262 | 31.211 | 0.086 | 31.233 | 0.205 | 31.269 | 0.085 | 31.287 | 0.003 |
| 24.144 | 0.193 | 24.168 | 0.166 | 24.194 | 0.262 | 24.214 | 0.331 | 31.319 | 0.058 | 31.353 | 0.140 | 31.377 | 0.194 | 31.401 | 0.043 |
| 24.240 | 0.167 | 24.262 | 0.085 | 24.282 | 0.058 | 24.304 | 0.154 | 31.455 | -0.043 | 31.504 | 0.112 | 31.528 | -0.025 | 31.556 | -0.080 |
| 24.332 | 0.169 | 24.364 | 0.060 | 24.389 | -0.035 | 24.419 | 0.034 | 31.594 | -0.080 | 31.636 | 0.071 | 31.650 | -0.011 | 31.684 | 0.046 |
| 24.451 | 0.131 | 24.489 | 0.242 | 24.513 | 0.146 | 24.535 | -0.004 | 31.736 | -0.024 | 31.786 | -0.051 | 31.820 | -0.078 | 31.844 | 0.046 |
| 24.553 | -0.100 | 24.587 | 0.011 | 24.611 | 0.080 | 24.635 | -0.029 | 31.860 | 0.142 | 31.901 | 0.087 | 31.937 | 0.045 | 31.955 | 0.045 |
| 24.659 | -0.152 | 24.681 | -0.083 | 24.701 | 0.000 | 24.739 | -0.054 | 31.993 | 0.168 | 32.025 | 0.086 | 32.053 | 0.086 | 32.089 | 0.140 |
| 24.771 | -0.122 | 24.816 | -0.052 | 24.842 | -0.161 | 24.868 | -0.188 | 32.115 | 0.181 | 32.145 | 0.030 | 32.179 | -0.108 | 32.211 | 0.029 |
| 24.912 | -0.132 | 24.930 | -0.035 | 24.960 | -0.048 | 24.994 | -0.088 | 32.245 | 0.194 | 32.283 | 0.124 | 32.314 | 0.041 | 32.348 | 0.136 |
| 25.024 | -0.088 | 25.062 | -0.101 | 25.096 | -0.129 | 25.124 | -0.184 | 32.378 | 0.108 | 32.412 | -0.002 | 32.450 | -0.031 | 32.488 | 0.023 |
| 25.154 | -0.211 | 25.182 | -0.211 | 25.210 | -0.115 | 25.245 | 0.022 | 32.524 | -0.036 | 32.552 | -0.047 | 32.586 | -0.075 | 32.630 | -0.049 |
| 25.281 | -0.049 | 25.313 | 0.049 | 25.345 | 0.104 | 25.369 | 0.159 | 32.642 | -0.049 | 32.672 | -0.174 | 32.704 | -0.256 | 32.735 | -0.271 |
| 25.411 | 0.047 | 25.451 | -0.047 | 25.479 | 0.103 | 25.501 | 0.185 | 32.775 | -0.189 | 32.821 | -0.204 | 32.845 | -0.231 | 32.881 | -0.150 |
| 25.541 | 0.281 | 25.563 | 0.321 | 25.597 | 0.252 | 25.628 | 0.115 | 32.911 | -0.164 | 32.943 | -0.178 | 32.975 | -0.192 | 33.003 | -0.193 |
| 25.650 | 0.018 | 25.686 | -0.024 | 25.716 | 0.045 | 25.758 | 0.044 | 33.031 | -0.084 | 33.075 | -0.249 | 33.103 | -0.207 | 33.134 | -0.063 |
| 25.782 | 0.167 | 25.812 | 0.166 | 25.854 | 0.015 | 25.878 | -0.068 | 33.168 | 0.042 | 33.190 | -0.013 | 33.222 | -0.039 | 33.258 | 0.113 |
| 25.910 | -0.082 | 25.948 | -0.001 | 25.980 | 0.122 | 26.006 | 0.218 | 33.300 | 0.059 | 33.334 | 0.032 | 33.394 | 0.130 | 33.424 | 0.185 |
| 26.036 | -0.149 | 26.065 | 0.135 | 26.099 | 0.134 | 26.109 | 0.024 | 33.466 | 0.104 | 33.498 | 0.133 | 33.528 | 0.271 | 33.557 | 0.162 |
| 26.135 | -0.100 | 26.157 | -0.169 | 26.189 | -0.046 | 26.205 | 0.050 | 33.587 | 0.053 | 33.621 | 0.137 | 33.637 | 0.233 | 33.679 | 0.111 |
| 26.243 | 0.132 | 26.271 | 0.200 | 26.299 | 0.145 | 26.333 | 0.076 | 33.717 | 0.222 | 33.745 | 0.292 | 33.777 | 0.115 | 33.811 | 0.081 |
| 26.379 | -0.020 | 26.397 | -0.103 | 26.419 | -0.158 | 26.453 | -0.048 | 33.841 | 0.034 | 33.879 | 0.118 | 33.909 | 0.091 | 33.949 | 0.091 |
| 26.482 | 0.102 | 26.526 | 0.006 | 26.566 | -0.022 | 26.600 | -0.009 | 33.984 | 0.037 | 34.030 | 0.037 | 34.076 | 0.037 | 34.110 | -0.175 |
| 26.624 | 0.073 | 26.664 | 0.005 | 26.694 | -0.036 | 26.736 | 0.005 | 34.152 | 0.065 | 34.190 | 0.107 | 34.226 | 0.011 | 34.264 | -0.030 |
| 26.768 | 0.060 | 26.806 | -0.036 | 26.834 | -0.036 | 26.864 | 0.036 | 34.304 | 0.066 | 34.334 | 0.079 | 34.366 | 0.133 | 34.409 | 0.187 |
| 26.867 | -0.050 | 26.909 | -0.146 | 26.935 | -0.160 | 26.967 | -0.105 | 34.443 | 0.022 | 34.465 | -0.061 | 34.489 | 0.020 | 34.531 | 0.060 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 34.555 | -0.009 | 34.565 | -0.051 | 34.615 | 0.003 | 34.641 | 0.085 |
| 34.683 | -0.108 | 34.721 | -0.206 | 34.745 | -0.152 | 34.755 | -0.056 |
| 34.787 | -0.236 | 34.816 | -0.279 | 34.848 | -0.253 | 34.884 | -0.283 |
| 34.904 | -0.338 | 34.944 | -0.190 | 34.978 | -0.041 | 35.002 | -0.138 |
| 35.036 | -0.263 | 35.066 | -0.265 | 35.096 | -0.321 | 35.118 | -0.349 |
| 35.130 | -0.431 | 35.152 | -0.459 | 35.184 | -0.213 | 35.206 | -0.076 |
| 35.233 | -0.022 | 35.251 | -0.008 | 35.279 | 0.115 | 35.305 | -0.210 |
| 35.337 | -0.051 | 35.355 | -0.257 | 35.371 | -0.326 | 35.401 | -0.134 |
| 35.433 | -0.011 | 35.477 | 0.194 | 35.503 | 0.276 | 35.537 | 0.359 |
| 35.579 | 0.168 | 35.626 | 0.060 | 35.668 | 0.129 | 35.702 | 0.103 |
| 35.732 | 0.104 | 35.758 | 0.228 | 35.780 | 0.297 | 35.798 | 0.297 |
| 35.832 | 0.230 | 35.866 | 0.148 | 35.914 | 0.012 | 35.948 | 0.150 |
| 35.974 | 0.247 | 35.994 | 0.330 | 36.026 | 0.235 | 36.055 | 0.126 |
| 36.083 | 0.126 | 36.117 | 0.155 | 36.143 | 0.073 | 36.167 | 0.019 |
| 36.197 | 0.061 | 36.231 | 0.158 | 36.259 | 0.090 | 36.285 | 0.063 |
| 36.307 | 0.063 | 36.349 | 0.118 | 36.387 | 0.076 | 36.427 | -0.007 |
| 36.470 | -0.089 | 36.524 | 0.034 | 36.574 | 0.143 | 36.600 | 0.115 |
| 36.616 | 0.074 | 36.652 | 0.074 | 36.688 | -0.077 | 36.726 | -0.162 |
| 36.782 | -0.124 | 36.824 | -0.209 | 36.868 | -0.280 | 36.913 | -0.324 |
| 36.941 | -0.339 | 36.983 | -0.245 | 37.013 | -0.329 | 37.033 | -0.344 |
| 37.061 | -0.250 | 37.111 | -0.143 | 37.163 | -0.230 | 37.197 | -0.287 |
| 37.237 | -0.290 | 37.279 | -0.088 | 37.328 | 0.005 | 37.362 | -0.012 |
| 37.410 | 0.067 | 37.440 | 0.010 | 37.480 | 0.007 | 37.504 | 0.005 |
| 37.536 | 0.114 | 37.576 | 0.155 | 37.606 | 0.236 | 37.656 | 0.263 |
| 37.690 | 0.358 | 37.735 | 0.250 | 37.759 | 0.223 | 37.793 | 0.293 |
| 37.817 | 0.321 | 37.849 | 0.323 | 37.887 | 0.351 | 37.919 | 0.282 |
| 37.953 | 0.254 | 37.991 | 0.268 | 38.001 | 0.268 | 38.027 | 0.103 |
| 38.049 | 0.061 | 38.083 | 0.086 | 38.105 | 0.153 | 38.152 | 0.150 |
| 38.184 | 0.052 | 38.222 | 0.104 | 38.254 | 0.061 | 38.272 | -0.022 |
| 38.292 | -0.092 | 38.330 | -0.011 | 38.368 | -0.095 | 38.416 | -0.028 |
| 38.444 | -0.097 | 38.484 | -0.043 | 38.512 | -0.044 | 38.534 | -0.114 |
| 38.565 | -0.197 | 38.589 | -0.102 | 38.627 | -0.034 | 38.651 | -0.131 |
| 38.683 | -0.146 | 38.721 | -0.147 | 38.761 | -0.080 | 38.787 | -0.135 |
| 38.823 | -0.191 | 38.847 | -0.178 | 38.873 | -0.193 | 38.905 | -0.221 |
| 38.925 | -0.236 | 38.949 | -0.099 | 38.974 | -0.004 | 39.004 | -0.087 |
| 39.036 | -0.157 | 39.076 | -0.103 | 39.098 | -0.145 | 39.126 | -0.146 |
| 39.162 | -0.037 | 39.194 | 0.044 | 39.238 | 0.043 | 39.262 | -0.040 |
| 39.302 | 0.027 | 39.324 | -0.015 | 39.358 | -0.071 | | |

2730 PCINTS 42.255 SECCNDS

USCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2321 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | 0.012 | 0.011 | 0.012 | 0.020 | -0.025 | 0.037 | -0.039 | 1.824 | -0.143 | 1.835 | -0.045 | 1.840 | -0.049 | 1.848 | -0.034 |
| 0.049 | -0.032 | 0.062 | -0.017 | 0.079 | -0.025 | 0.088 | -0.010 | 1.858 | -0.042 | 1.878 | -0.035 | 1.888 | -0.029 | 1.905 | -0.007 |
| 0.055 | 0.034 | 0.113 | 0.041 | 0.126 | 0.041 | 0.140 | 0.026 | 1.916 | 0.014 | 1.926 | 0.043 | 1.940 | 0.049 | 1.950 | 0.063 |
| 0.148 | 0.003 | 0.157 | -0.017 | 0.171 | -0.017 | 0.183 | 0.003 | 1.958 | 0.034 | 1.974 | 0.031 | 1.983 | 0.033 | 1.996 | 0.047 |
| 0.195 | -0.017 | 0.205 | -0.032 | 0.218 | -0.025 | 0.225 | -0.010 | 2.012 | 0.003 | 2.021 | -0.034 | 2.036 | -0.013 | 2.045 | 0.045 |
| 0.233 | -0.003 | 0.245 | -0.010 | 0.250 | -0.003 | 0.274 | -0.003 | 2.058 | 0.051 | 2.070 | 0.007 | 2.076 | 0.021 | 2.080 | 0.030 |
| 0.280 | -0.003 | 0.291 | -0.010 | 0.300 | -0.003 | 0.310 | -0.003 | 2.106 | -0.016 | 2.120 | -0.003 | 2.132 | -0.018 | 2.147 | -0.026 |
| 0.318 | -0.025 | 0.332 | -0.032 | 0.341 | -0.010 | 0.349 | 0.004 | 2.161 | -0.004 | 2.170 | -0.005 | 2.182 | -0.027 | 2.199 | -0.028 |
| 0.358 | 0.026 | 0.369 | 0.004 | 0.382 | -0.025 | 0.397 | -0.040 | 2.206 | 0.022 | 2.219 | 0.029 | 2.229 | 0.007 | 2.254 | -0.024 |
| 0.405 | -0.018 | 0.413 | 0.004 | 0.430 | -0.018 | 0.449 | -0.033 | 2.260 | -0.002 | 2.280 | 0.018 | 2.283 | 0.033 | 2.358 | 0.046 |
| 0.469 | -0.040 | 0.476 | -0.026 | 0.494 | -0.026 | 0.503 | -0.011 | 2.313 | -0.006 | 2.320 | -0.020 | 2.332 | 0.015 | 2.342 | 0.029 |
| 0.512 | 0.011 | 0.523 | 0.054 | 0.533 | 0.054 | 0.552 | 0.047 | 2.353 | -0.044 | 2.366 | -0.060 | 2.378 | -0.009 | 2.389 | -0.003 |
| 0.561 | 0.025 | 0.572 | -0.012 | 0.586 | -0.048 | 0.602 | -0.063 | 2.409 | -0.049 | 2.427 | -0.049 | 2.439 | -0.057 | 2.452 | -0.021 |
| 0.613 | -0.041 | 0.625 | 0.002 | 0.635 | 0.017 | 0.653 | 0.002 | 2.468 | -0.036 | 2.478 | -0.022 | 2.488 | 0.007 | 2.504 | 0.021 |
| 0.666 | 0.009 | 0.677 | 0.016 | 0.688 | 0.016 | 0.703 | -0.035 | 2.516 | -0.009 | 2.527 | 0.034 | 2.537 | 0.085 | 2.553 | 0.047 |
| 0.713 | -0.043 | 0.723 | -0.022 | 0.730 | 0.0 | 0.742 | 0.043 | 2.561 | -0.011 | 2.578 | -0.026 | 2.589 | -0.020 | 2.600 | 0.038 |
| 0.751 | 0.075 | 0.758 | 0.086 | 0.775 | 0.042 | 0.792 | 0.012 | 2.609 | 0.053 | 2.627 | 0.030 | 2.639 | 0.044 | 2.652 | 0.059 |
| 0.809 | -0.046 | 0.823 | -0.076 | 0.835 | -0.051 | 0.849 | -0.084 | 2.665 | 0.029 | 2.688 | 0.050 | 2.705 | 0.101 | 2.716 | 0.137 |
| 0.855 | -0.012 | 0.864 | 0.046 | 0.872 | 0.082 | 0.881 | 0.103 | 2.739 | 0.065 | 2.758 | 0.052 | 2.767 | -0.101 | 2.785 | -0.054 |
| 0.858 | 0.074 | 0.906 | 0.051 | 0.917 | 0.022 | 0.933 | 0.028 | 2.801 | -0.032 | 2.819 | -0.047 | 2.832 | 0.032 | 2.840 | 0.105 |
| 0.951 | 0.035 | 0.964 | 0.034 | 0.976 | 0.048 | 0.987 | 0.035 | 2.854 | 0.076 | 2.872 | 0.017 | 2.886 | 0.038 | 2.905 | 0.009 |
| 0.957 | 0.069 | 1.014 | 0.017 | 1.024 | -0.012 | 1.036 | -0.049 | 2.921 | -0.064 | 2.933 | -0.072 | 2.939 | -0.028 | 2.954 | 0.015 |
| 1.047 | -0.079 | 1.058 | -0.065 | 1.069 | -0.029 | 1.081 | 0.007 | 2.960 | 0.008 | 2.978 | -0.007 | 2.996 | -0.008 | 3.006 | -0.037 |
| 1.087 | 0.029 | 1.094 | 0.043 | 1.102 | 0.043 | 1.115 | 0.036 | 3.018 | -0.074 | 3.033 | -0.009 | 3.045 | -0.021 | 3.060 | 0.050 |
| 1.127 | 0.021 | 1.138 | 0.036 | 1.153 | 0.028 | 1.168 | -0.001 | 3.075 | 0.006 | 3.088 | 0.023 | 3.101 | -0.038 | 3.113 | -0.016 |
| 1.184 | 0.066 | 1.192 | 0.020 | 1.202 | 0.042 | 1.209 | 0.005 | 3.124 | 0.035 | 3.139 | 0.049 | 3.152 | 0.056 | 3.165 | 0.034 |
| 1.218 | -0.046 | 1.231 | -0.075 | 1.240 | -0.061 | 1.251 | -0.017 | 3.179 | 0.024 | 3.189 | -0.053 | 3.198 | -0.148 | 3.205 | -0.206 |
| 1.261 | -0.016 | 1.278 | -0.025 | 1.294 | -0.025 | 1.309 | -0.054 | 3.220 | -0.184 | 3.232 | -0.126 | 3.244 | -0.112 | 3.255 | -0.068 |
| 1.319 | -0.017 | 1.326 | 0.019 | 1.337 | -0.017 | 1.350 | -0.054 | 3.268 | 0.019 | 3.280 | 0.077 | 3.294 | 0.114 | 3.307 | 0.092 |
| 1.364 | -0.003 | 1.376 | 0.019 | 1.386 | 0.009 | 1.395 | 0.077 | 3.318 | -0.003 | 3.325 | -0.039 | 3.336 | -0.003 | 3.348 | 0.048 |
| 1.405 | 0.006 | 1.416 | 0.063 | 1.422 | 0.005 | 1.432 | -0.017 | 3.368 | 0.005 | 3.380 | 0.061 | 3.392 | -0.105 | 3.411 | -0.075 |
| 1.443 | -0.017 | 1.455 | -0.039 | 1.466 | -0.039 | 1.475 | -0.003 | 3.425 | -0.017 | 3.438 | 0.005 | 3.452 | 0.034 | 3.466 | 0.019 |
| 1.487 | 0.034 | 1.500 | 0.056 | 1.512 | -0.092 | 1.529 | 0.099 | 3.477 | -0.032 | 3.485 | -0.061 | 3.503 | -0.068 | 3.518 | -0.112 |
| 1.542 | 0.070 | 1.551 | 0.012 | 1.559 | -0.017 | 1.571 | -0.039 | 3.531 | -0.050 | 3.549 | -0.003 | 3.549 | -0.003 | 3.562 | 0.019 |
| 1.578 | -0.017 | 1.591 | 0.019 | 1.601 | 0.034 | 1.615 | 0.065 | 3.575 | 0.070 | 3.590 | 0.099 | 3.603 | 0.121 | 3.618 | 0.056 |
| 1.628 | 0.106 | 1.640 | 0.121 | 1.653 | 0.056 | 1.658 | -0.003 | 3.625 | -0.010 | 3.643 | -0.022 | 3.662 | -0.032 | 3.676 | -0.010 |
| 1.665 | -0.061 | 1.673 | -0.083 | 1.679 | -0.148 | 1.687 | -0.206 | 3.684 | 0.019 | 3.695 | 0.052 | 3.710 | 0.077 | 3.719 | 0.077 |
| 1.696 | -0.148 | 1.707 | -0.083 | 1.713 | -0.101 | 1.725 | 0.063 | 3.722 | 0.085 | 3.743 | 0.048 | 3.751 | -0.010 | 3.762 | -0.068 |
| 1.732 | 0.121 | 1.744 | 0.135 | 1.755 | 0.157 | 1.767 | 0.127 | 3.774 | 0.058 | 3.790 | -0.029 | 3.802 | -0.010 | 3.817 | -0.068 |
| 1.752 | 0.069 | 1.763 | -0.011 | 1.806 | -0.084 | 1.814 | -0.128 | 3.826 | -0.068 | 3.839 | -0.010 | 3.847 | -0.048 | 3.863 | 0.053 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|---------|
| 3.878 | C.070 | 3.894 | 0.033 | 3.903 | -0.026 | 3.909 | -0.040 | 6.422 | C.534 | 6.440 | C.017 | 6.454 | -C.288 | 6.477 | -C.543 |
| 3.928 | -0.041 | 3.940 | -0.026 | 3.956 | 0.002 | 3.969 | -0.012 | 6.482 | -0.615 | 6.492 | -C.655 | 6.502 | -C.564 | 6.514 | -C.164 |
| 3.983 | 0.024 | 3.985 | 0.089 | 4.005 | 0.111 | 4.022 | 0.103 | 6.529 | C.149 | 6.534 | C.166 | 6.545 | -C.051 | 6.555 | -C.0119 |
| 4.032 | C.110 | 4.045 | 0.102 | 4.052 | 0.087 | 4.067 | 0.094 | 6.571 | -0.505 | 6.581 | -C.738 | 6.593 | -C.840 | 6.598 | -C.0505 |
| 4.079 | C.028 | 4.086 | -0.002 | 4.102 | -0.017 | 4.112 | -0.039 | 6.613 | -0.767 | 6.627 | -0.483 | 6.636 | -0.134 | 6.647 | C.157 |
| 4.128 | -0.091 | 4.135 | -0.019 | 4.153 | 0.075 | 4.166 | 0.148 | 6.652 | C.230 | 6.660 | C.288 | 6.671 | C.194 | 6.688 | -0.039 |
| 4.179 | C.169 | 4.192 | 0.103 | 4.197 | 0.044 | 4.213 | 0.067 | 6.658 | -0.119 | 6.712 | -C.032 | 6.727 | C.318 | 6.744 | C.798 |
| 4.225 | 0.022 | 4.241 | -0.044 | 4.252 | -0.052 | 4.264 | -0.030 | 6.760 | 1.062 | 6.772 | 1.140 | 6.781 | 1.016 | 6.799 | C.514 |
| 4.282 | -0.031 | 4.295 | 0.020 | 4.315 | 0.027 | 4.325 | 0.070 | 6.816 | -0.287 | 6.829 | -0.552 | 6.844 | -C.752 | 6.862 | -0.840 |
| 4.332 | C.092 | 4.344 | 0.056 | 4.356 | -0.025 | 4.364 | -0.054 | 6.876 | -0.760 | 6.891 | -C.650 | 6.901 | -C.654 | 6.910 | -C.876 |
| 4.382 | -0.083 | 4.395 | -0.075 | 4.405 | -0.039 | 4.420 | -0.105 | 6.922 | -C.578 | 6.935 | -0.781 | 6.950 | -C.454 | 6.963 | -C.119 |
| 4.434 | -0.126 | 4.451 | -0.083 | 4.464 | -0.010 | 4.475 | 0.041 | 6.973 | -0.003 | 6.986 | -C.050 | 7.001 | -C.257 | 7.010 | -C.368 |
| 4.490 | 0.019 | 4.505 | 0.019 | 4.518 | -0.010 | 4.528 | -0.075 | 7.022 | -0.592 | 7.034 | -C.045 | 7.045 | -C.607 | 7.055 | -C.374 |
| 4.538 | -0.156 | 4.548 | -0.221 | 4.557 | -0.177 | 4.568 | -0.061 | 7.070 | -C.279 | 7.081 | -C.159 | 7.092 | -0.046 | 7.119 | C.514 |
| 4.576 | 0.005 | 4.582 | 0.034 | 4.594 | 0.034 | 4.605 | 0.019 | 7.124 | C.660 | 7.139 | C.812 | 7.151 | C.500 | 7.161 | C.612 |
| 4.615 | 0.034 | 4.628 | 0.034 | 4.640 | 0.063 | 4.651 | C.106 | 7.172 | C.660 | 7.180 | C.459 | 7.191 | C.318 | 7.201 | -C.005 |
| 4.667 | 0.128 | 4.684 | 0.128 | 4.700 | 0.114 | 4.718 | 0.128 | 7.211 | -0.301 | 7.224 | -C.578 | 7.233 | -0.869 | 7.241 | -C.585 |
| 4.728 | 0.150 | 4.746 | 0.136 | 4.757 | 0.085 | 4.775 | 0.048 | 7.250 | -1.007 | 7.261 | -C.661 | 7.272 | -C.570 | 7.278 | -C.403 |
| 4.790 | 0.012 | 4.801 | -0.039 | 4.814 | -0.025 | 4.831 | -0.011 | 7.287 | -0.345 | 7.298 | -0.337 | 7.314 | -0.425 | 7.325 | -C.498 |
| 4.846 | 0.004 | 4.853 | -0.025 | 4.867 | -0.026 | 4.884 | -0.113 | 7.341 | -0.527 | 7.351 | -C.476 | 7.361 | -C.345 | 7.377 | -C.185 |
| 4.900 | -0.230 | 4.910 | -0.295 | 4.921 | -0.404 | 4.928 | -0.514 | 7.382 | -0.112 | 7.394 | -C.083 | 7.404 | -C.156 | 7.416 | -C.243 |
| 4.939 | -0.529 | 4.952 | -0.587 | 4.960 | -0.616 | 4.971 | -0.617 | 7.429 | -0.156 | 7.444 | -C.010 | 7.453 | C.201 | 7.461 | C.514 |
| 4.979 | -C.690 | 4.994 | -0.777 | 5.006 | -0.799 | 5.015 | -0.690 | 7.470 | C.074 | 7.477 | C.877 | 7.486 | C.928 | 7.496 | -C.855 |
| 5.030 | -0.654 | 5.051 | -0.531 | 5.061 | -0.468 | 5.079 | -0.161 | 7.508 | C.659 | 7.524 | C.367 | 7.535 | C.105 | 7.546 | -C.121 |
| 5.090 | 0.014 | 5.102 | 0.246 | 5.117 | 0.421 | 5.127 | 0.486 | 7.559 | -0.274 | 7.570 | -0.325 | 7.582 | -0.260 | 7.593 | -0.159 |
| 5.135 | 0.449 | 5.142 | 0.347 | 5.155 | 0.223 | 5.163 | 0.085 | 7.603 | C.074 | 7.613 | C.354 | 7.621 | C.735 | 7.631 | 1.019 |
| 5.182 | 0.034 | 5.192 | 0.114 | 5.206 | 0.259 | 5.220 | 0.470 | 7.636 | 1.077 | 7.644 | 1.157 | 7.654 | 1.112 | 7.663 | 0.967 |
| 5.228 | 0.060 | 5.237 | 0.805 | 5.247 | 0.871 | 5.259 | 0.871 | 7.675 | C.624 | 7.683 | 0.136 | 7.703 | C.055 | 7.713 | C.142 |
| 5.270 | 0.863 | 5.281 | 0.834 | 5.289 | C.710 | 5.294 | 0.623 | 7.726 | C.338 | 7.734 | C.410 | 7.744 | C.839 | 7.762 | C.278 |
| 5.304 | 0.536 | 5.320 | 0.347 | 5.332 | 0.157 | 5.343 | -0.083 | 7.774 | 0.059 | 7.782 | -0.283 | 7.797 | -C.808 | 7.807 | -1.100 |
| 5.351 | -C.228 | 5.360 | -0.308 | 5.373 | -0.381 | 5.384 | -0.359 | 7.814 | -1.202 | 7.823 | -1.275 | 7.833 | -1.188 | 7.844 | -C.942 |
| 5.389 | -0.214 | 5.395 | -0.075 | 5.404 | 0.106 | 5.411 | 0.288 | 7.856 | -0.316 | 7.867 | C.127 | 7.876 | C.469 | 7.883 | C.745 |
| 5.419 | 0.325 | 5.425 | 0.267 | 5.439 | 0.099 | 5.450 | 0.019 | 7.892 | C.832 | 7.895 | C.802 | 7.913 | C.670 | 7.926 | C.100 |
| 5.459 | C.099 | 5.469 | 0.347 | 5.478 | 0.623 | 5.486 | 0.776 | 7.935 | C.160 | 7.941 | C.109 | 7.953 | C.028 | 7.962 | C.100 |
| 5.493 | -0.177 | 5.501 | 0.783 | 5.515 | -0.550 | 5.530 | 0.106 | 7.972 | 0.154 | 7.983 | 0.216 | 7.995 | 0.317 | 8.008 | C.513 |
| 5.538 | -0.650 | 5.548 | -0.476 | 5.555 | -0.316 | 5.569 | -0.767 | 8.018 | C.760 | 8.031 | C.080 | 8.042 | 1.349 | 8.049 | 1.581 |
| 5.582 | -0.068 | 5.599 | -0.483 | 5.608 | -0.316 | 5.621 | -0.206 | 8.054 | 1.639 | 8.061 | 1.719 | 8.078 | 1.646 | 8.086 | 1.514 |
| 5.633 | -0.148 | 5.640 | -0.388 | 5.650 | -0.048 | 5.659 | 0.005 | 8.096 | 1.332 | 8.114 | 0.545 | 8.128 | -0.139 | 8.144 | -0.569 |
| 5.673 | -0.228 | 5.680 | -0.083 | 5.689 | -0.468 | 5.697 | -0.447 | 8.160 | -0.583 | 8.172 | -1.223 | 8.183 | -1.260 | 8.195 | -1.202 |
| 5.707 | -0.083 | 5.714 | -0.083 | 5.725 | -0.039 | 5.735 | -0.075 | 8.202 | -0.925 | 8.213 | -0.787 | 8.230 | -C.590 | 8.243 | -C.466 |
| 5.747 | -0.083 | 5.757 | 0.012 | 5.768 | 0.114 | 5.776 | 0.179 | 8.259 | -0.416 | 8.271 | -C.524 | 8.279 | -C.633 | 8.291 | -C.698 |
| 5.789 | 0.121 | 5.801 | -0.119 | 5.816 | -0.396 | 5.827 | -0.599 | 8.302 | -0.603 | 8.320 | C.177 | 8.330 | C.519 | 8.336 | C.614 |
| 5.832 | -0.672 | 5.844 | -0.709 | 5.854 | -C.650 | 5.861 | -0.592 | 8.343 | C.651 | 8.352 | C.578 | 8.366 | C.055 | 8.379 | -C.177 |
| 5.876 | -0.578 | 5.890 | -0.417 | 5.897 | -0.214 | 5.901 | -0.126 | 8.404 | -0.264 | 8.404 | -0.205 | 8.415 | -0.103 | 8.422 | -C.095 |
| 5.910 | -0.046 | 5.915 | -0.075 | 5.928 | -0.170 | 5.935 | -0.236 | 8.429 | -0.204 | 8.451 | -C.247 | 8.463 | -C.108 | 8.477 | C.158 |
| 5.945 | -0.316 | 5.957 | -0.243 | 5.967 | -0.170 | 5.976 | -0.112 | 8.487 | 0.373 | 8.495 | -0.403 | 8.504 | -C.323 | 8.518 | -C.303 |
| 5.991 | C.114 | 6.004 | 0.318 | 6.009 | 0.434 | 6.014 | 0.478 | 8.540 | -1.125 | 8.549 | -1.394 | 8.564 | -1.495 | 8.580 | -1.611 |
| 6.024 | 0.521 | 6.033 | 0.485 | 6.037 | 0.390 | 6.049 | 0.012 | 8.591 | -0.677 | 8.605 | -1.524 | 8.621 | -C.759 | 8.636 | -C.024 |
| 6.057 | -0.301 | 6.066 | -0.447 | 6.079 | -0.505 | 6.090 | -0.483 | 8.649 | 0.544 | 8.658 | C.828 | 8.669 | C.923 | 8.677 | C.843 |
| 6.098 | -0.316 | 6.104 | -0.068 | 6.113 | 0.056 | 6.120 | 0.136 | 8.691 | 0.494 | 8.707 | C.251 | 8.729 | C.014 | 8.737 | -0.124 |
| 6.127 | 0.172 | 6.140 | 0.180 | 6.154 | C.260 | 6.161 | 0.340 | 8.751 | -0.262 | 8.763 | -0.276 | 8.781 | -0.261 | 8.792 | -C.304 |
| 6.168 | 0.369 | 6.181 | 0.369 | 6.193 | 0.318 | 6.202 | 0.129 | 8.800 | -0.333 | 8.812 | -0.231 | 8.823 | C.162 | 8.836 | C.759 |
| 6.214 | -0.227 | 6.224 | -0.307 | 6.236 | -0.263 | 6.260 | 0.043 | 8.840 | C.904 | 8.851 | 1.014 | 8.860 | C.941 | 8.871 | C.752 |
| 6.277 | 0.159 | 6.290 | 0.269 | 6.309 | 0.393 | 6.322 | 0.466 | 8.880 | C.651 | 8.894 | 0.614 | 8.901 | 0.578 | 8.912 | C.454 |
| 6.332 | 0.612 | 6.343 | 0.874 | 6.352 | 1.158 | 6.366 | 1.384 | 8.925 | C.171 | 8.933 | -C.011 | 8.944 | -C.069 | 8.953 | C.011 |
| 6.372 | 1.493 | 6.382 | 1.551 | 6.393 | 1.450 | 6.408 | 1.043 | 8.964 | 0.193 | 8.968 | 0.288 | 8.979 | 0.331 | 8.988 | C.273 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8.999 | -0.069 | 9.010 | -0.374 | 9.021 | -0.549 | 9.035 | -0.359 | 11.940 | 0.332 | 11.953 | 0.259 | 11.966 | 0.165 | 11.981 | 0.143 |
| 9.045 | 0.172 | 9.055 | 0.660 | 9.060 | 0.769 | 9.067 | 0.827 | 11.990 | 0.399 | 12.002 | -0.032 | 12.019 | -0.410 | 12.029 | -0.665 |
| 9.079 | 0.662 | 9.091 | 0.296 | 9.103 | -0.089 | 9.112 | -0.176 | 12.044 | -0.781 | 12.054 | -0.745 | 12.068 | -0.629 | 12.081 | -0.490 |
| 9.129 | -0.125 | 9.145 | -0.198 | 9.158 | -0.401 | 9.176 | -0.488 | 12.084 | -0.396 | 12.106 | -0.439 | 12.126 | -0.527 | 12.136 | -0.541 |
| 9.186 | -0.425 | 9.196 | -0.356 | 9.205 | -0.320 | 9.217 | -0.414 | 12.151 | -0.476 | 12.172 | -0.119 | 12.186 | 0.136 | 12.156 | 0.245 |
| 9.230 | -0.612 | 9.242 | -0.712 | 9.259 | -0.668 | 9.279 | -0.653 | 12.209 | 0.376 | 12.219 | 0.412 | 12.235 | 0.412 | 12.256 | 0.390 |
| 9.289 | -0.572 | 9.307 | -0.063 | 9.320 | 0.280 | 9.330 | 0.476 | 12.263 | 0.347 | 12.271 | 0.230 | 12.283 | 0.106 | 12.291 | 0.034 |
| 9.340 | 0.571 | 9.350 | 0.637 | 9.361 | 0.542 | 9.371 | 0.317 | 12.307 | -0.025 | 12.325 | 0.034 | 12.343 | 0.114 | 12.350 | 0.034 |
| 9.381 | 0.237 | 9.393 | 0.208 | 9.404 | 0.208 | 9.418 | 0.172 | 12.361 | 0.077 | 12.386 | -0.330 | 12.398 | -0.512 | 12.410 | -0.541 |
| 9.434 | 0.267 | 9.450 | 0.398 | 9.466 | 0.471 | 9.479 | 0.515 | 12.423 | -0.461 | 12.452 | -0.323 | 12.467 | -0.228 | 12.483 | -0.236 |
| 9.489 | 0.486 | 9.500 | 0.297 | 9.512 | -0.066 | 9.528 | -0.342 | 12.493 | -0.148 | 12.509 | -0.003 | 12.515 | 0.055 | 12.541 | 0.091 |
| 9.537 | -0.437 | 9.541 | -0.458 | 9.553 | -0.378 | 9.561 | -0.189 | 12.551 | 0.011 | 12.565 | -0.058 | 12.578 | -0.157 | 12.590 | -0.038 |
| 9.570 | 0.030 | 9.575 | 0.096 | 9.586 | 0.154 | 9.596 | 0.096 | 12.609 | 0.003 | 12.622 | 0.032 | 12.631 | 0.033 | 12.665 | -0.318 |
| 9.606 | -0.093 | 9.619 | -0.383 | 9.630 | -0.478 | 9.640 | -0.405 | 12.680 | -0.383 | 12.693 | -0.311 | 12.719 | 0.067 | 12.732 | 0.157 |
| 9.652 | -0.048 | 9.662 | -0.193 | 9.670 | 0.287 | 9.680 | 0.302 | 12.744 | 0.233 | 12.757 | 0.175 | 12.787 | -0.124 | 12.824 | -0.446 |
| 9.689 | 0.215 | 9.703 | -0.021 | 9.711 | -0.235 | 9.719 | -0.278 | 12.840 | -0.548 | 12.852 | -0.577 | 12.863 | -0.458 | 12.883 | -0.367 |
| 9.737 | -0.131 | 9.753 | 0.146 | 9.768 | 0.293 | 9.783 | 0.425 | 12.906 | -0.128 | 12.926 | -0.114 | 12.950 | 0.017 | 12.956 | 0.053 |
| 9.794 | 0.527 | 9.803 | 0.593 | 9.812 | 0.587 | 9.825 | 0.507 | 12.976 | 0.038 | 12.986 | -0.028 | 13.034 | -0.030 | 13.044 | -0.095 |
| 9.839 | 0.275 | 9.849 | 0.021 | 9.860 | -0.277 | 9.866 | -0.313 | 13.059 | -0.205 | 13.076 | 0.168 | 13.193 | 0.050 | 13.116 | -0.052 |
| 9.879 | -0.156 | 9.904 | 0.147 | 9.916 | 0.220 | 9.927 | 0.162 | 13.143 | 0.006 | 13.168 | 0.108 | 13.193 | 0.050 | 13.208 | 0.065 |
| 9.940 | -0.056 | 9.951 | -0.237 | 9.966 | -0.302 | 9.979 | -0.171 | 13.229 | -0.088 | 13.247 | -0.212 | 13.259 | -0.285 | 13.277 | -0.259 |
| 9.957 | 0.114 | 10.015 | 0.230 | 10.024 | 0.318 | 10.035 | 0.339 | 13.295 | -0.234 | 13.308 | -0.147 | 13.331 | 0.210 | 13.347 | 0.399 |
| 10.045 | 0.281 | 10.063 | -0.090 | 10.074 | -0.265 | 10.086 | -0.287 | 13.362 | 0.454 | 13.379 | 0.407 | 13.400 | 0.246 | 13.423 | 0.144 |
| 10.094 | -0.214 | 10.112 | 0.026 | 10.126 | 0.092 | 10.145 | 0.223 | 13.437 | 0.122 | 13.458 | 0.158 | 13.464 | 0.201 | 13.493 | 0.186 |
| 10.161 | 0.339 | 10.176 | 0.398 | 10.193 | 0.529 | 10.209 | 0.579 | 13.522 | 0.236 | 13.542 | 0.388 | 13.553 | 0.446 | 13.567 | 0.373 |
| 10.220 | 0.521 | 10.237 | 0.128 | 10.256 | -0.410 | 10.263 | -0.534 | 13.588 | -0.021 | 13.621 | -0.385 | 13.641 | -0.505 | 13.652 | -0.546 |
| 10.275 | -0.576 | 10.290 | -0.417 | 10.306 | -0.192 | 10.318 | -0.105 | 13.664 | -0.459 | 13.688 | -0.168 | 13.719 | 0.144 | 13.732 | 0.231 |
| 10.336 | -0.156 | 10.347 | -0.228 | 10.359 | -0.250 | 10.375 | -0.053 | 13.750 | 0.202 | 13.764 | 0.158 | 13.775 | 0.063 | 13.791 | 0.046 |
| 10.368 | 0.442 | 10.416 | 0.835 | 10.426 | 0.937 | 10.439 | 1.010 | 13.807 | -0.105 | 13.816 | -0.032 | 13.833 | 0.059 | 13.855 | 0.091 |
| 10.450 | 1.127 | 10.461 | 1.215 | 10.471 | 1.120 | 10.485 | 0.495 | 13.877 | 0.084 | 13.892 | -0.018 | 13.907 | -0.076 | 13.938 | -0.069 |
| 10.498 | -0.109 | 10.509 | -0.305 | 10.516 | -0.363 | 10.529 | -0.224 | 13.963 | -0.070 | 13.974 | -0.026 | 13.992 | 0.097 | 14.008 | 0.083 |
| 10.542 | 0.112 | 10.553 | 0.207 | 10.562 | 0.156 | 10.580 | -0.236 | 14.022 | 0.032 | 14.033 | 0.017 | 14.048 | 0.082 | 14.061 | 0.133 |
| 10.592 | -0.286 | 10.601 | -0.206 | 10.616 | 0.137 | 10.628 | 0.414 | 14.076 | 0.068 | 14.100 | -0.122 | 14.118 | -0.231 | 14.136 | -0.253 |
| 10.636 | 0.524 | 10.645 | 0.495 | 10.662 | 0.248 | 10.670 | 0.154 | 14.149 | -0.159 | 14.168 | -0.013 | 14.186 | 0.103 | 14.208 | 0.157 |
| 10.684 | 0.104 | 10.713 | 0.105 | 10.722 | 0.032 | 10.734 | -0.048 | 14.221 | 0.256 | 14.234 | 0.163 | 14.261 | 0.052 | 14.279 | 0.037 |
| 10.769 | -0.084 | 10.782 | -0.054 | 10.798 | -0.018 | 10.812 | -0.017 | 14.302 | -0.050 | 14.311 | -0.079 | 14.321 | -0.028 | 14.335 | 0.074 |
| 10.827 | 0.085 | 10.854 | 0.310 | 10.853 | 0.398 | 10.864 | 0.405 | 14.346 | 0.125 | 14.355 | 0.014 | 14.390 | -0.210 | 14.431 | -0.516 |
| 10.885 | -0.237 | 10.896 | 0.165 | 10.909 | 0.121 | 10.925 | 0.179 | 14.449 | -0.582 | 14.464 | -0.524 | 14.457 | -0.109 | 14.510 | 0.095 |
| 10.946 | 0.412 | 10.957 | 0.470 | 10.968 | 0.499 | 10.981 | 0.412 | 14.530 | 0.203 | 14.553 | 0.320 | 14.560 | 0.363 | 14.587 | 0.298 |
| 10.996 | 0.172 | 11.020 | -0.126 | 11.042 | -0.308 | 11.058 | -0.374 | 14.616 | 0.261 | 14.628 | 0.188 | 14.650 | -0.037 | 14.669 | -0.139 |
| 11.067 | -0.381 | 11.075 | -0.323 | 11.085 | -0.192 | 11.097 | 0.274 | 14.682 | -0.095 | 14.691 | -0.001 | 14.710 | 0.239 | 14.722 | 0.234 |
| 11.104 | 0.390 | 11.119 | 0.478 | 11.129 | 0.419 | 11.146 | 0.157 | 14.735 | 0.365 | 14.754 | 0.341 | 14.794 | 0.152 | 14.819 | 0.007 |
| 11.154 | -0.046 | 11.175 | -0.163 | 11.193 | -0.163 | 11.211 | -0.221 | 14.828 | -0.015 | 14.857 | 0.013 | 14.876 | 0.044 | 14.887 | 0.081 |
| 11.224 | -0.323 | 11.241 | -0.489 | 11.252 | -0.642 | 11.267 | -0.728 | 14.908 | 0.285 | 14.924 | 0.351 | 14.940 | 0.264 | 14.958 | 0.162 |
| 11.283 | -0.728 | 11.300 | -0.589 | 11.318 | -0.246 | 11.329 | 0.118 | 14.973 | 0.115 | 15.010 | 0.061 | 15.028 | 0.057 | 15.053 | 0.112 |
| 11.341 | 0.315 | 11.354 | 0.381 | 11.372 | 0.382 | 11.382 | 0.426 | 15.081 | 0.141 | 15.096 | 0.141 | 15.112 | 0.177 | 15.125 | 0.206 |
| 11.396 | 0.455 | 11.411 | 0.310 | 11.423 | 0.135 | 11.436 | -0.047 | 15.138 | 0.236 | 15.150 | 0.170 | 15.165 | 0.090 | 15.182 | 0.032 |
| 11.450 | -0.106 | 11.466 | -0.055 | 11.477 | -0.004 | 11.493 | -0.091 | 15.197 | 0.097 | 15.219 | 0.148 | 15.243 | 0.220 | 15.253 | 0.169 |
| 11.511 | -0.310 | 11.526 | -0.390 | 11.538 | -0.339 | 11.541 | -0.255 | 15.278 | -0.064 | 15.289 | -0.145 | 15.315 | -0.185 | 15.322 | -0.175 |
| 11.548 | -0.106 | 11.558 | 0.018 | 11.568 | 0.062 | 11.575 | 0.033 | 15.338 | -0.095 | 15.348 | -0.059 | 15.369 | -0.039 | 15.395 | -0.001 |
| 11.589 | -0.141 | 11.599 | -0.381 | 11.609 | -0.548 | 11.612 | -0.563 | 15.411 | -0.023 | 15.445 | -0.038 | 15.456 | -0.066 | 15.464 | -0.074 |
| 11.620 | -0.613 | 11.630 | -0.591 | 11.652 | -0.367 | 11.680 | -0.131 | 15.486 | -0.242 | 15.499 | -0.308 | 15.526 | -0.366 | 15.535 | -0.395 |
| 11.692 | -0.051 | 11.712 | -0.021 | 11.732 | 0.133 | 11.750 | 0.242 | 15.546 | -0.308 | 15.564 | -0.075 | 15.580 | -0.077 | 15.598 | -0.157 |
| 11.760 | 0.286 | 11.770 | 0.250 | 11.792 | -0.077 | 11.807 | -0.346 | 15.607 | 0.070 | 15.634 | -0.019 | 15.643 | -0.141 | 15.645 | -0.185 |
| 11.814 | -0.440 | 11.842 | -0.520 | 11.842 | -0.484 | 11.857 | -0.302 | 15.660 | -0.163 | 15.676 | -0.068 | 15.691 | 0.019 | 15.709 | 0.092 |
| 11.883 | 0.070 | 11.894 | 0.186 | 11.904 | 0.237 | 11.919 | 0.288 | 15.722 | 0.041 | 15.741 | -0.083 | 15.761 | -0.185 | 15.776 | -0.206 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 15.789 | -0.148 | 15.808 | -0.104 | 15.824 | 0.012 | 15.835 | 0.078 | 19.723 | 0.074 | 19.750 | -0.072 | 19.764 | -0.130 | 19.782 | -0.151 |
| 15.846 | 0.122 | 15.863 | 0.136 | 15.880 | 0.107 | 15.898 | 0.057 | 19.802 | -0.122 | 19.827 | -0.063 | 19.859 | -0.048 | 19.870 | -0.026 |
| 15.914 | -0.031 | 15.937 | -0.183 | 15.968 | -0.205 | 15.983 | -0.248 | 19.851 | 0.091 | 19.876 | 0.149 | 19.920 | 0.113 | 19.946 | 0.034 |
| 16.007 | -0.248 | 16.031 | -0.247 | 16.045 | -0.174 | 16.061 | -0.159 | 19.974 | -0.016 | 20.001 | -0.059 | 20.033 | 0.007 | 20.050 | 0.025 |
| 16.081 | -0.173 | 16.102 | -0.194 | 16.111 | -0.216 | 16.125 | -0.135 | 20.079 | 0.008 | 20.106 | 0.031 | 20.124 | 0.075 | 20.142 | 0.032 |
| 16.149 | 0.033 | 16.162 | 0.051 | 16.188 | 0.099 | 16.209 | 0.071 | 20.152 | -0.012 | 20.165 | -0.033 | 20.179 | 0.025 | 20.188 | 0.069 |
| 16.229 | 0.086 | 16.250 | 0.028 | 16.268 | 0.029 | 16.286 | -0.072 | 20.205 | 0.113 | 20.225 | 0.048 | 20.240 | -0.010 | 20.258 | -0.090 |
| 16.306 | -0.166 | 16.329 | -0.246 | 16.349 | -0.274 | 16.377 | -0.281 | 20.281 | -0.126 | 20.296 | -0.111 | 20.311 | -0.067 | 20.344 | -0.068 |
| 16.357 | -0.252 | 16.416 | -0.310 | 16.438 | -0.332 | 16.452 | -0.266 | 20.384 | -0.095 | 20.427 | -0.124 | 20.442 | 0.124 | 20.458 | 0.073 |
| 16.477 | -0.143 | 16.491 | -0.034 | 16.504 | 0.017 | 16.530 | -0.041 | 20.475 | -0.123 | 20.490 | -0.152 | 20.511 | -0.109 | 20.527 | -0.067 |
| 16.560 | -0.041 | 16.581 | -0.078 | 16.616 | -0.064 | 16.633 | -0.151 | 20.545 | -0.065 | 20.557 | -0.072 | 20.575 | -0.123 | 20.589 | -0.138 |
| 16.665 | -0.319 | 16.680 | -0.254 | 16.714 | -0.124 | 16.739 | 0.007 | 20.603 | -0.160 | 20.614 | -0.102 | 20.632 | -0.065 | 20.657 | -0.087 |
| 16.762 | 0.101 | 16.783 | 0.152 | 16.794 | 0.174 | 16.815 | 0.144 | 20.668 | -0.131 | 20.691 | -0.110 | 20.714 | -0.110 | 20.728 | -0.183 |
| 16.837 | 0.066 | 16.851 | -0.089 | 16.861 | -0.125 | 16.873 | -0.067 | 20.748 | -0.256 | 20.760 | -0.277 | 20.772 | -0.212 | 20.795 | -0.059 |
| 16.885 | 0.013 | 16.894 | 0.064 | 16.905 | 0.053 | 16.916 | 0.071 | 20.814 | 0.021 | 20.832 | -0.001 | 20.865 | -0.059 | 20.905 | -0.103 |
| 16.930 | 0.049 | 16.954 | 0.048 | 16.969 | -0.003 | 16.987 | -0.068 | 20.930 | -0.139 | 20.946 | -0.066 | 20.964 | 0.043 | 20.979 | 0.072 |
| 17.005 | -0.083 | 17.019 | -0.069 | 17.036 | 0.004 | 17.051 | 0.040 | 21.016 | 0.051 | 21.046 | 0.000 | 21.067 | -0.102 | 21.083 | -0.189 |
| 17.065 | 0.004 | 17.077 | -0.047 | 17.090 | -0.106 | 17.111 | -0.128 | 21.101 | -0.232 | 21.118 | -0.159 | 21.139 | -0.057 | 21.157 | -0.014 |
| 17.150 | -0.172 | 17.168 | -0.143 | 17.190 | -0.179 | 17.203 | -0.150 | 21.181 | 0.022 | 21.193 | 0.066 | 21.216 | 0.000 | 21.247 | -0.065 |
| 17.225 | 0.031 | 17.258 | 0.060 | 17.281 | -0.046 | 17.318 | 0.038 | 21.272 | -0.117 | 21.290 | -0.117 | 21.307 | -0.110 | 21.319 | -0.073 |
| 17.340 | 0.031 | 17.361 | -0.057 | 17.390 | -0.174 | 17.400 | -0.225 | 21.334 | -0.139 | 21.352 | -0.212 | 21.363 | -0.234 | 21.384 | -0.161 |
| 17.418 | -0.130 | 17.439 | 0.030 | 17.453 | 0.147 | 17.464 | 0.198 | 21.402 | -0.074 | 21.425 | -0.062 | 21.446 | -0.045 | 21.466 | -0.104 |
| 17.552 | 0.057 | 17.502 | 0.257 | 17.514 | 0.286 | 17.532 | 0.213 | 21.482 | -0.140 | 21.509 | -0.141 | 21.536 | -0.163 | 21.552 | -0.105 |
| 17.622 | 0.004 | 17.646 | 0.019 | 17.664 | -0.010 | 17.684 | 0.013 | 21.574 | -0.075 | 21.555 | -0.119 | 21.621 | -0.170 | 21.645 | -0.126 |
| 17.700 | 0.049 | 17.716 | 0.108 | 17.733 | 0.065 | 17.752 | -0.015 | 21.682 | -0.126 | 21.700 | -0.112 | 21.744 | 0.048 | 21.769 | 0.019 |
| 17.767 | -0.109 | 17.777 | -0.174 | 17.782 | -0.188 | 17.794 | -0.152 | 21.756 | -0.010 | 21.819 | -0.115 | 21.867 | -0.057 | 21.895 | -0.046 |
| 17.807 | -0.108 | 17.815 | -0.078 | 17.835 | -0.121 | 17.851 | -0.128 | 21.829 | 0.005 | 21.865 | 0.019 | 22.002 | 0.048 | 22.034 | 0.048 |
| 17.854 | -0.058 | 17.906 | -0.097 | 17.928 | -0.088 | 17.942 | -0.037 | 22.061 | -0.025 | 22.055 | -0.119 | 22.131 | -0.050 | 22.149 | -0.057 |
| 17.968 | -0.022 | 17.969 | -0.065 | 17.984 | -0.123 | 17.994 | -0.166 | 22.168 | -0.243 | 22.185 | -0.330 | 22.192 | -0.374 | 22.207 | -0.265 |
| 18.013 | -0.187 | 18.026 | -0.154 | 18.038 | -0.288 | 18.053 | -0.346 | 22.225 | -0.075 | 22.235 | -0.039 | 22.249 | 0.070 | 22.266 | 0.026 |
| 18.070 | -0.382 | 18.085 | -0.316 | 18.108 | -0.155 | 18.127 | -0.060 | 22.280 | -0.003 | 22.317 | -0.003 | 22.348 | -0.003 | 22.375 | -0.120 |
| 18.192 | -0.088 | 18.151 | -0.020 | 18.164 | -0.001 | 18.180 | -0.073 | 22.492 | -0.055 | 22.502 | -0.127 | 22.530 | 0.063 | 22.546 | -0.019 |
| 18.266 | 0.029 | 18.206 | -0.051 | 18.228 | -0.000 | 18.243 | 0.029 | 22.569 | -0.122 | 22.581 | -0.158 | 22.599 | -0.224 | 22.615 | -0.166 |
| 18.327 | 0.030 | 18.345 | 0.052 | 18.354 | 0.081 | 18.372 | 0.037 | 22.647 | -0.080 | 22.668 | -0.067 | 22.687 | -0.058 | 22.715 | -0.175 |
| 18.392 | 0.023 | 18.408 | 0.016 | 18.423 | -0.035 | 18.446 | -0.181 | 22.728 | -0.219 | 22.758 | -0.118 | 22.774 | -0.060 | 22.801 | -0.009 |
| 18.459 | -0.268 | 18.474 | -0.203 | 18.498 | -0.028 | 18.512 | 0.023 | 22.830 | -0.016 | 22.860 | 0.026 | 22.874 | 0.041 | 22.892 | 0.063 |
| 18.520 | 0.066 | 18.536 | 0.030 | 18.551 | -0.035 | 18.566 | -0.079 | 22.909 | -0.024 | 22.933 | -0.126 | 22.951 | -0.046 | 22.971 | 0.005 |
| 18.579 | -0.013 | 18.585 | 0.045 | 18.603 | 0.118 | 18.623 | 0.155 | 22.954 | 0.042 | 23.025 | 0.129 | 23.054 | 0.101 | 23.084 | 0.064 |
| 18.638 | 0.199 | 18.650 | 0.228 | 18.666 | 0.170 | 18.680 | 0.069 | 23.102 | 0.021 | 23.132 | 0.058 | 23.153 | 0.000 | 23.184 | 0.001 |
| 18.700 | -0.026 | 18.720 | -0.098 | 18.740 | -0.105 | 18.758 | -0.104 | 23.204 | -0.013 | 23.224 | -0.056 | 23.238 | -0.049 | 23.251 | -0.041 |
| 18.780 | -0.082 | 18.794 | -0.052 | 18.804 | -0.015 | 18.824 | -0.029 | 23.274 | -0.077 | 23.291 | -0.135 | 23.305 | -0.171 | 23.328 | -0.098 |
| 18.837 | -0.079 | 18.853 | -0.159 | 18.869 | -0.195 | 18.883 | -0.165 | 23.351 | -0.025 | 23.363 | 0.019 | 23.382 | -0.047 | 23.410 | -0.156 |
| 18.902 | -0.091 | 18.921 | -0.069 | 18.933 | 0.004 | 18.953 | 0.114 | 23.425 | -0.021 | 23.450 | -0.219 | 23.470 | -0.221 | 23.456 | -0.141 |
| 18.966 | 0.151 | 18.982 | 0.137 | 19.004 | 0.072 | 19.021 | 0.007 | 23.528 | -0.053 | 23.535 | -0.024 | 23.555 | -0.081 | 23.578 | -0.168 |
| 19.031 | -0.029 | 19.045 | 0.022 | 19.064 | 0.124 | 19.078 | 0.176 | 23.599 | -0.221 | 23.629 | -0.238 | 23.658 | -0.165 | 23.682 | -0.200 |
| 19.089 | 0.103 | 19.108 | -0.027 | 19.122 | -0.107 | 19.141 | -0.004 | 23.689 | -0.229 | 23.708 | -0.134 | 23.728 | -0.076 | 23.745 | -0.032 |
| 19.170 | 0.011 | 19.179 | 0.004 | 19.201 | -0.099 | 19.213 | -0.136 | 23.758 | -0.060 | 23.810 | -0.039 | 23.826 | -0.081 | 23.842 | -0.124 |
| 19.230 | 0.071 | 19.248 | -0.053 | 19.265 | -0.056 | 19.273 | -0.045 | 23.801 | -0.030 | 23.810 | -0.013 | 23.826 | -0.081 | 23.842 | -0.124 |
| 19.300 | 0.080 | 19.319 | 0.124 | 19.331 | 0.059 | 19.375 | -0.115 | 23.861 | -0.146 | 23.870 | -0.153 | 23.876 | -0.153 | 23.892 | -0.145 |
| 19.356 | -0.114 | 19.413 | -0.077 | 19.424 | -0.099 | 19.438 | -0.142 | 23.894 | -0.007 | 23.902 | 0.037 | 23.910 | 0.081 | 23.923 | 0.057 |
| 19.456 | -0.156 | 19.470 | -0.098 | 19.491 | -0.039 | 19.505 | 0.005 | 23.935 | 0.104 | 23.950 | 0.069 | 23.963 | 0.040 | 23.976 | 0.026 |
| 19.518 | 0.057 | 19.535 | 0.093 | 19.548 | 0.050 | 19.566 | -0.030 | 24.005 | -0.007 | 24.067 | 0.016 | 24.015 | 0.043 | 24.038 | 0.007 |
| 19.581 | -0.095 | 19.608 | -0.124 | 19.640 | -0.116 | 19.655 | -0.014 | 24.055 | -0.007 | 24.114 | 0.076 | 24.081 | 0.067 | 24.050 | 0.085 |
| 19.673 | 0.102 | 19.683 | 0.146 | 19.654 | 0.182 | 19.706 | 0.139 | 24.100 | 0.104 | 24.114 | 0.076 | 24.128 | 0.047 | 24.142 | 0.062 |
| | | | | | | | | 24.153 | 0.095 | 24.167 | 0.122 | 24.175 | 0.137 | 24.186 | 0.108 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 24.211 | 0.051 | 24.223 | 0.022 | 24.233 | 0.015 | 24.247 | 0.037 | 27.682 | -0.019 | 27.656 | 0.003 | 27.730 | 0.040 | 27.743 | 0.062 |
| 24.261 | 0.089 | 24.277 | 0.148 | 24.293 | 0.185 | 24.309 | 0.207 | 27.758 | 0.069 | 27.778 | 0.077 | 27.799 | 0.063 | 27.825 | 0.056 |
| 24.327 | 0.193 | 24.343 | 0.172 | 24.358 | 0.129 | 24.373 | 0.056 | 27.841 | 0.100 | 27.856 | 0.137 | 27.881 | 0.131 | 27.895 | 0.102 |
| 24.389 | 0.042 | 24.401 | 0.072 | 24.416 | 0.054 | 24.432 | 0.102 | 27.922 | 0.053 | 27.937 | 0.024 | 27.953 | 0.040 | 27.971 | 0.049 |
| 24.450 | 0.058 | 24.466 | 0.037 | 24.480 | -0.014 | 24.496 | -0.050 | 27.999 | 0.050 | 28.022 | 0.052 | 28.037 | 0.074 | 28.047 | 0.036 |
| 24.506 | -0.058 | 24.518 | -0.043 | 24.532 | 0.015 | 24.547 | 0.073 | 28.058 | 0.111 | 28.069 | 0.141 | 28.086 | 0.148 | 28.097 | 0.142 |
| 24.559 | 0.102 | 24.574 | 0.054 | 24.588 | 0.065 | 24.604 | 0.029 | 28.115 | 0.077 | 28.131 | 0.033 | 28.147 | 0.019 | 28.165 | 0.034 |
| 24.615 | -0.001 | 24.630 | -0.015 | 24.644 | 0.013 | 24.656 | 0.042 | 28.186 | 0.056 | 28.205 | 0.048 | 28.221 | 0.026 | 28.236 | -0.019 |
| 24.671 | 0.108 | 24.687 | 0.188 | 24.703 | 0.209 | 24.715 | 0.216 | 28.265 | -0.010 | 28.278 | -0.047 | 28.291 | -0.065 | 28.306 | -0.084 |
| 24.734 | 0.172 | 24.746 | 0.121 | 24.763 | 0.107 | 24.774 | 0.121 | 28.320 | -0.062 | 28.332 | -0.040 | 28.347 | -0.011 | 28.361 | -0.012 |
| 24.786 | 0.121 | 24.797 | 0.111 | 24.811 | 0.078 | 24.828 | 0.031 | 28.373 | 0.002 | 28.386 | 0.009 | 28.406 | 0.008 | 28.423 | -0.007 |
| 24.848 | -0.096 | 24.861 | -0.111 | 24.874 | -0.081 | 24.890 | -0.016 | 28.438 | -0.022 | 28.454 | -0.023 | 28.469 | -0.016 | 28.482 | -0.002 |
| 24.918 | 0.021 | 24.932 | 0.036 | 24.951 | 0.022 | 24.960 | 0.030 | 28.495 | 0.041 | 28.511 | 0.043 | 28.524 | 0.062 | 28.540 | 0.026 |
| 24.979 | -0.006 | 24.995 | -0.049 | 25.022 | -0.085 | 25.037 | -0.106 | 28.564 | -0.011 | 28.573 | -0.011 | 28.586 | 0.011 | 28.596 | 0.032 |
| 25.063 | -0.069 | 25.081 | -0.011 | 25.090 | 0.025 | 25.107 | 0.033 | 28.612 | 0.032 | 28.633 | 0.010 | 28.653 | -0.003 | 28.666 | -0.010 |
| 25.120 | 0.011 | 25.138 | -0.039 | 25.150 | -0.054 | 25.171 | -0.010 | 28.691 | -0.001 | 28.706 | 0.007 | 28.729 | -0.014 | 28.750 | -0.020 |
| 25.188 | 0.005 | 25.211 | -0.053 | 25.234 | -0.067 | 25.248 | -0.038 | 28.767 | -0.004 | 28.789 | 0.018 | 28.807 | 0.019 | 28.830 | 0.004 |
| 25.261 | -0.001 | 25.273 | 0.014 | 25.286 | 0.007 | 25.296 | 0.014 | 28.851 | -0.051 | 28.871 | -0.043 | 28.890 | -0.013 | 28.913 | 0.029 |
| 25.306 | 0.051 | 25.320 | 0.059 | 25.342 | 0.060 | 25.358 | 0.068 | 28.931 | 0.047 | 28.942 | 0.054 | 28.960 | 0.040 | 28.981 | 0.011 |
| 25.372 | 0.054 | 25.382 | 0.055 | 25.400 | 0.070 | 25.420 | 0.064 | 28.998 | -0.025 | 29.012 | -0.033 | 29.037 | -0.010 | 29.051 | 0.004 |
| 25.439 | 0.021 | 25.466 | -0.021 | 25.493 | -0.049 | 25.521 | -0.055 | 29.062 | 0.019 | 29.081 | -0.017 | 29.104 | -0.032 | 29.118 | -0.034 |
| 25.545 | -0.077 | 25.563 | -0.055 | 25.575 | 0.003 | 25.594 | 0.025 | 29.137 | -0.003 | 29.154 | 0.033 | 29.167 | 0.047 | 29.176 | 0.076 |
| 25.606 | 0.025 | 25.628 | 0.017 | 25.645 | 0.046 | 25.659 | 0.082 | 29.190 | 0.076 | 29.208 | 0.047 | 29.219 | 0.025 | 29.238 | 0.010 |
| 25.672 | 0.104 | 25.695 | 0.118 | 25.721 | 0.074 | 25.746 | 0.016 | 29.256 | 0.003 | 29.270 | 0.010 | 29.283 | 0.016 | 29.304 | 0.016 |
| 25.767 | 0.009 | 25.780 | 0.046 | 25.794 | 0.111 | 25.808 | 0.148 | 29.323 | 0.008 | 29.345 | -0.007 | 29.358 | 0.007 | 29.373 | 0.029 |
| 25.815 | 0.163 | 25.835 | 0.112 | 25.844 | 0.084 | 25.856 | 0.070 | 29.388 | 0.029 | 29.405 | -0.001 | 29.426 | -0.038 | 29.445 | -0.045 |
| 25.873 | 0.101 | 25.882 | 0.130 | 25.901 | 0.161 | 25.911 | 0.140 | 29.462 | -0.031 | 29.480 | -0.024 | 29.495 | -0.046 | 29.511 | -0.053 |
| 25.929 | 0.076 | 25.945 | 0.048 | 25.961 | 0.057 | 25.976 | 0.080 | 29.530 | -0.061 | 29.545 | -0.032 | 29.559 | -0.009 | 29.578 | -0.010 |
| 25.987 | 0.056 | 26.001 | 0.097 | 26.017 | 0.076 | 26.035 | 0.019 | 29.599 | -0.024 | 29.618 | -0.016 | 29.635 | -0.009 | 29.650 | 0.035 |
| 26.049 | -0.023 | 26.069 | -0.029 | 26.092 | 0.031 | 26.109 | 0.105 | 29.663 | 0.043 | 29.677 | 0.065 | 29.691 | 0.058 | 29.705 | 0.022 |
| 26.121 | 0.170 | 26.140 | 0.169 | 26.154 | 0.154 | 26.180 | 0.095 | 29.722 | 0.015 | 29.737 | 0.038 | 29.755 | 0.045 | 29.762 | 0.046 |
| 26.158 | 0.055 | 26.216 | 0.064 | 26.231 | 0.056 | 26.249 | 0.012 | 29.778 | 0.032 | 29.796 | 0.011 | 29.813 | 0.011 | 29.831 | 0.056 |
| 26.265 | -0.018 | 26.280 | -0.026 | 26.294 | -0.071 | 26.313 | -0.108 | 29.843 | 0.056 | 29.864 | 0.042 | 29.875 | 0.028 | 29.891 | 0.029 |
| 26.333 | -0.087 | 26.352 | -0.029 | 26.368 | 0.021 | 26.374 | 0.036 | 29.906 | 0.036 | 29.921 | 0.051 | 29.938 | 0.052 | 29.952 | 0.052 |
| 26.387 | 0.043 | 26.409 | 0.035 | 26.432 | 0.027 | 26.454 | 0.026 | 29.972 | 0.068 | 29.986 | 0.075 | 30.002 | 0.076 | 30.011 | 0.076 |
| 26.471 | 0.062 | 26.482 | 0.064 | 26.493 | 0.112 | 26.501 | 0.141 | 30.024 | 0.061 | 30.036 | 0.069 | 30.051 | 0.068 | 30.065 | 0.068 |
| 26.514 | 0.155 | 26.527 | 0.141 | 26.544 | 0.082 | 26.554 | 0.038 | 30.077 | 0.061 | 30.088 | 0.061 | 30.103 | 0.076 | 30.113 | 0.090 |
| 26.568 | -0.006 | 26.582 | -0.013 | 26.593 | 0.009 | 26.604 | 0.031 | 30.127 | 0.112 | 30.140 | 0.133 | 30.154 | 0.104 | 30.169 | 0.118 |
| 26.613 | 0.061 | 26.625 | 0.061 | 26.639 | 0.054 | 26.657 | 0.040 | 30.184 | 0.132 | 30.204 | 0.131 | 30.218 | 0.130 | 30.234 | 0.115 |
| 26.675 | 0.041 | 26.696 | 0.035 | 26.712 | 0.014 | 26.723 | -0.007 | 30.251 | 0.071 | 30.267 | 0.024 | 30.280 | 0.012 | 30.289 | -0.025 |
| 26.732 | -0.021 | 26.746 | -0.006 | 26.753 | 0.023 | 26.767 | 0.039 | 30.305 | -0.039 | 30.319 | -0.025 | 30.331 | 0.011 | 30.347 | 0.055 |
| 26.779 | 0.017 | 26.789 | -0.004 | 26.798 | -0.012 | 26.818 | -0.004 | 30.357 | 0.076 | 30.370 | 0.058 | 30.382 | 0.120 | 30.395 | 0.112 |
| 26.830 | 0.025 | 26.840 | 0.040 | 26.856 | 0.055 | 26.874 | 0.048 | 30.414 | 0.083 | 30.431 | 0.069 | 30.448 | 0.055 | 30.464 | 0.020 |
| 26.890 | -0.003 | 26.906 | -0.003 | 26.925 | -0.010 | 26.938 | 0.011 | 30.482 | -0.016 | 30.501 | -0.015 | 30.521 | 0.000 | 30.536 | 0.008 |
| 26.951 | 0.033 | 26.964 | 0.062 | 26.982 | 0.069 | 26.992 | 0.040 | 30.551 | 0.016 | 30.571 | 0.031 | 30.587 | 0.031 | 30.593 | 0.046 |
| 27.002 | 0.003 | 27.019 | -0.012 | 27.032 | -0.004 | 27.042 | 0.010 | 30.610 | 0.047 | 30.627 | 0.033 | 30.647 | 0.004 | 30.665 | -0.017 |
| 27.052 | 0.010 | 27.069 | -0.004 | 27.083 | -0.019 | 27.106 | -0.019 | 30.682 | -0.039 | 30.701 | -0.053 | 30.721 | -0.038 | 30.733 | -0.002 |
| 27.120 | -0.012 | 27.136 | -0.004 | 27.149 | 0.010 | 27.166 | 0.025 | 30.751 | -0.002 | 30.765 | -0.009 | 30.785 | -0.030 | 30.797 | -0.045 |
| 27.178 | 0.041 | 27.187 | 0.041 | 27.205 | -0.010 | 27.221 | -0.067 | 30.811 | -0.052 | 30.823 | -0.030 | 30.839 | -0.022 | 30.851 | -0.022 |
| 27.238 | -0.074 | 27.249 | -0.051 | 27.261 | -0.022 | 27.275 | 0.008 | 30.857 | -0.007 | 30.866 | -0.007 | 30.875 | 0.008 | 30.897 | 0.038 |
| 27.290 | 0.060 | 27.303 | 0.082 | 27.321 | 0.061 | 27.333 | 0.025 | 30.913 | 0.053 | 30.928 | 0.062 | 30.944 | 0.075 | 30.961 | 0.061 |
| 27.345 | 0.018 | 27.358 | 0.018 | 27.376 | 0.062 | 27.390 | 0.092 | 30.962 | 0.069 | 31.001 | 0.076 | 31.015 | 0.051 | 31.037 | 0.084 |
| 27.402 | 0.114 | 27.413 | 0.129 | 27.428 | 0.121 | 27.433 | 0.100 | 31.046 | 0.062 | 31.058 | 0.062 | 31.070 | 0.033 | 31.084 | 0.019 |
| 27.459 | 0.078 | 27.475 | 0.071 | 27.485 | 0.101 | 27.508 | 0.115 | 31.095 | 0.012 | 31.111 | 0.027 | 31.124 | 0.056 | 31.131 | 0.092 |
| 27.528 | 0.116 | 27.546 | 0.145 | 27.559 | 0.160 | 27.578 | 0.124 | 31.149 | 0.100 | 31.167 | 0.100 | 31.177 | 0.100 | 31.189 | 0.053 |
| 27.597 | 0.081 | 27.623 | 0.045 | 27.641 | -0.005 | 27.662 | -0.027 | 31.200 | 0.086 | 31.215 | 0.050 | 31.222 | 0.021 | 31.237 | 0.006 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 31.253 | 0.028 | 31.265 | 0.050 | 31.276 | 0.087 | 31.291 | 0.094 | 34.801 | -0.030 | 34.812 | -0.058 | 34.820 | -0.079 | 34.832 | -0.086 |
| 31.304 | 0.102 | 31.323 | 0.095 | 31.343 | 0.095 | 31.359 | 0.124 | 34.841 | -0.063 | 34.853 | 0.010 | 34.867 | 0.062 | 34.877 | 0.070 |
| 31.375 | 0.132 | 31.385 | 0.146 | 31.410 | 0.146 | 31.431 | 0.117 | 34.885 | 0.071 | 34.901 | 0.065 | 34.923 | 0.073 | 34.940 | 0.075 |
| 31.447 | 0.096 | 31.464 | 0.074 | 31.491 | 0.059 | 31.512 | 0.045 | 34.951 | 0.090 | 34.965 | 0.106 | 34.981 | 0.048 | 34.992 | 0.050 |
| 31.531 | 0.030 | 31.545 | 0.016 | 31.563 | -0.020 | 31.580 | -0.020 | 35.003 | -0.030 | 35.015 | -0.025 | 35.026 | -0.043 | 35.038 | -0.042 |
| 31.554 | -0.020 | 31.619 | -0.012 | 31.640 | 0.003 | 31.651 | 0.024 | 35.053 | -0.012 | 35.066 | 0.017 | 35.074 | 0.040 | 35.085 | 0.026 |
| 31.666 | 0.039 | 31.678 | 0.039 | 31.693 | 0.054 | 31.713 | 0.069 | 35.101 | -0.031 | 35.113 | -0.052 | 35.126 | -0.052 | 35.142 | -0.061 |
| 31.730 | 0.069 | 31.746 | 0.069 | 31.764 | 0.069 | 31.779 | 0.068 | 35.153 | 0.028 | 35.162 | 0.049 | 35.177 | 0.071 | 35.186 | 0.071 |
| 31.800 | -0.003 | 31.819 | -0.032 | 31.836 | -0.061 | 31.855 | -0.060 | 35.202 | 0.020 | 35.217 | -0.046 | 35.230 | -0.054 | 35.241 | -0.055 |
| 31.872 | 0.046 | 31.890 | 0.023 | 31.908 | 0.001 | 31.925 | 0.008 | 35.253 | 0.040 | 35.269 | 0.112 | 35.283 | 0.133 | 35.297 | 0.089 |
| 31.941 | 0.015 | 31.958 | 0.007 | 31.973 | 0.036 | 31.995 | 0.044 | 35.312 | 0.023 | 35.325 | -0.039 | 35.337 | -0.080 | 35.348 | -0.074 |
| 32.012 | 0.008 | 32.024 | -0.006 | 32.038 | -0.027 | 32.055 | -0.027 | 35.366 | -0.074 | 35.379 | -0.052 | 35.389 | -0.050 | 35.402 | -0.046 |
| 32.076 | -0.012 | 32.088 | -0.004 | 32.102 | 0.011 | 32.117 | 0.011 | 35.413 | -0.023 | 35.425 | -0.053 | 35.439 | -0.060 | 35.454 | -0.061 |
| 32.133 | 0.004 | 32.147 | -0.003 | 32.163 | 0.012 | 32.179 | 0.042 | 35.469 | -0.017 | 35.481 | -0.017 | 35.500 | -0.017 | 35.520 | -0.024 |
| 32.156 | 0.035 | 32.210 | 0.006 | 32.229 | -0.023 | 32.240 | -0.064 | 35.530 | -0.046 | 35.553 | -0.053 | 35.565 | -0.005 | 35.587 | -0.042 |
| 32.264 | -0.022 | 32.282 | 0.000 | 32.299 | 0.015 | 32.315 | 0.030 | 35.603 | 0.050 | 35.620 | 0.050 | 35.644 | 0.006 | 35.662 | -0.008 |
| 32.327 | 0.045 | 32.340 | 0.060 | 32.356 | 0.060 | 32.369 | 0.032 | 35.679 | 0.036 | 35.694 | 0.055 | 35.711 | 0.102 | 35.726 | 0.066 |
| 32.391 | 0.025 | 32.407 | 0.025 | 32.425 | 0.018 | 32.438 | 0.004 | 35.745 | 0.016 | 35.756 | 0.001 | 35.776 | -0.027 | 35.792 | 0.002 |
| 32.451 | 0.004 | 32.468 | -0.011 | 32.484 | -0.003 | 32.499 | -0.003 | 35.805 | 0.010 | 35.823 | -0.005 | 35.841 | -0.005 | 35.860 | 0.017 |
| 32.510 | -0.010 | 32.527 | -0.024 | 32.550 | -0.017 | 32.564 | -0.024 | 35.879 | -0.025 | 35.897 | 0.032 | 35.914 | 0.025 | 35.932 | -0.026 |
| 32.581 | -0.038 | 32.600 | -0.052 | 32.612 | -0.051 | 32.621 | -0.029 | 35.946 | -0.040 | 35.963 | 0.004 | 35.976 | 0.069 | 35.989 | 0.058 |
| 32.637 | 0.000 | 32.655 | -0.006 | 32.676 | -0.006 | 32.689 | 0.024 | 36.007 | 0.113 | 36.020 | 0.051 | 36.035 | 0.070 | 36.050 | 0.063 |
| 32.712 | 0.040 | 32.733 | 0.019 | 32.750 | 0.006 | 32.771 | 0.028 | 36.072 | 0.077 | 36.090 | 0.070 | 36.105 | 0.041 | 36.124 | 0.070 |
| 32.792 | 0.059 | 32.814 | 0.059 | 32.825 | 0.044 | 32.840 | 0.052 | 36.145 | 0.052 | 36.162 | 0.056 | 36.184 | 0.005 | 36.204 | -0.017 |
| 32.855 | 0.066 | 32.868 | 0.102 | 32.891 | 0.095 | 32.906 | 0.073 | 36.225 | -0.003 | 36.245 | 0.034 | 36.260 | 0.052 | 36.277 | 0.136 |
| 32.922 | 0.058 | 32.940 | 0.043 | 32.961 | 0.035 | 32.981 | 0.035 | 36.291 | 0.059 | 36.307 | 0.056 | 36.318 | 0.019 | 36.335 | 0.012 |
| 33.006 | 0.034 | 33.021 | 0.026 | 33.036 | 0.003 | 33.058 | -0.005 | 36.362 | 0.012 | 36.378 | 0.055 | 36.396 | 0.019 | 36.415 | 0.026 |
| 33.076 | 0.002 | 33.090 | 0.023 | 33.098 | 0.052 | 33.110 | 0.074 | 36.431 | 0.034 | 36.444 | 0.085 | 36.457 | 0.052 | 36.472 | 0.063 |
| 33.127 | 0.074 | 33.145 | 0.053 | 33.158 | 0.031 | 33.174 | 0.032 | 36.489 | 0.034 | 36.505 | 0.027 | 36.524 | 0.012 | 36.546 | 0.027 |
| 33.155 | 0.032 | 33.211 | 0.011 | 33.231 | 0.004 | 33.244 | 0.004 | 36.563 | -0.002 | 36.583 | -0.016 | 36.602 | -0.023 | 36.615 | -0.016 |
| 33.256 | 0.019 | 33.270 | 0.019 | 33.280 | 0.020 | 33.295 | 0.034 | 36.635 | 0.006 | 36.654 | 0.057 | 36.672 | 0.065 | 36.691 | 0.080 |
| 33.315 | 0.034 | 33.331 | 0.027 | 33.349 | -0.002 | 33.368 | 0.020 | 36.707 | 0.080 | 36.726 | 0.066 | 36.748 | 0.052 | 36.762 | 0.045 |
| 33.384 | 0.021 | 33.395 | 0.028 | 33.414 | 0.028 | 33.434 | 0.028 | 36.785 | 0.052 | 36.804 | 0.031 | 36.824 | -0.013 | 36.844 | 0.002 |
| 33.447 | 0.049 | 33.472 | 0.049 | 33.491 | 0.049 | 33.511 | 0.034 | 36.861 | 0.032 | 36.877 | 0.047 | 36.895 | 0.077 | 36.915 | 0.032 |
| 33.530 | 0.005 | 33.555 | 0.005 | 33.578 | 0.012 | 33.592 | 0.012 | 36.938 | 0.040 | 36.956 | 0.062 | 36.975 | 0.077 | 36.992 | 0.040 |
| 33.608 | 0.019 | 33.616 | 0.026 | 33.634 | 0.041 | 33.657 | 0.056 | 37.012 | 0.012 | 37.034 | -0.010 | 37.056 | 0.005 | 37.074 | 0.033 |
| 33.675 | 0.093 | 33.692 | 0.100 | 33.711 | 0.078 | 33.727 | 0.042 | 37.094 | 0.062 | 37.113 | 0.018 | 37.132 | 0.004 | 37.149 | 0.025 |
| 33.747 | 0.043 | 33.768 | 0.014 | 33.785 | -0.015 | 33.799 | -0.036 | 37.172 | 0.062 | 37.187 | 0.061 | 37.206 | 0.039 | 37.227 | 0.025 |
| 33.819 | -0.043 | 33.832 | -0.042 | 33.841 | -0.049 | 33.858 | -0.064 | 37.248 | 0.031 | 37.263 | 0.060 | 37.279 | 0.067 | 37.298 | 0.052 |
| 33.872 | -0.063 | 33.878 | -0.034 | 33.893 | 0.039 | 33.908 | 0.127 | 37.322 | 0.022 | 37.341 | 0.007 | 37.362 | -0.001 | 37.384 | -0.002 |
| 33.922 | 0.170 | 33.932 | 0.200 | 33.946 | 0.200 | 33.963 | 0.120 | 37.405 | 0.005 | 37.428 | 0.004 | 37.450 | 0.011 | 37.470 | 0.004 |
| 33.979 | 0.069 | 33.995 | 0.040 | 34.003 | -0.011 | 34.011 | -0.054 | 37.492 | -0.026 | 37.515 | -0.012 | 37.536 | 0.039 | 37.555 | 0.075 |
| 34.026 | -0.076 | 34.047 | -0.083 | 34.061 | -0.068 | 34.074 | -0.053 | 37.572 | 0.089 | 37.586 | 0.110 | 37.604 | 0.074 | 37.623 | 0.038 |
| 34.083 | -0.016 | 34.095 | -0.008 | 34.109 | 0.008 | 34.124 | 0.007 | 37.646 | 0.016 | 37.667 | -0.020 | 37.685 | -0.071 | 37.703 | -0.085 |
| 34.139 | 0.030 | 34.149 | 0.052 | 34.156 | 0.067 | 34.165 | 0.067 | 37.719 | -0.071 | 37.733 | -0.041 | 37.753 | -0.034 | 37.776 | -0.033 |
| 34.180 | 0.039 | 34.190 | 0.017 | 34.202 | -0.025 | 34.211 | -0.032 | 37.759 | -0.025 | 37.817 | -0.047 | 37.838 | -0.024 | 37.860 | -0.002 |
| 34.229 | -0.031 | 34.242 | -0.037 | 34.250 | -0.037 | 34.261 | -0.014 | 37.879 | -0.030 | 37.900 | -0.080 | 37.914 | -0.065 | 37.933 | -0.036 |
| 34.277 | 0.082 | 34.290 | 0.184 | 34.301 | 0.251 | 34.311 | 0.266 | 37.954 | -0.042 | 37.971 | -0.012 | 37.986 | 0.017 | 38.010 | 0.026 |
| 34.323 | 0.252 | 34.333 | 0.180 | 34.347 | 0.108 | 34.357 | 0.079 | 38.030 | 0.041 | 38.048 | 0.056 | 38.070 | 0.065 | 38.092 | 0.065 |
| 34.377 | 0.043 | 34.395 | 0.036 | 34.416 | 0.036 | 34.432 | 0.021 | 38.114 | 0.015 | 38.131 | -0.013 | 38.144 | -0.035 | 38.163 | -0.013 |
| 34.451 | 0.007 | 34.467 | 0.022 | 34.478 | 0.065 | 34.497 | 0.116 | 38.182 | 0.024 | 38.217 | 0.029 | 38.234 | 0.025 | 38.253 | 0.077 |
| 34.511 | 0.138 | 34.528 | 0.102 | 34.544 | 0.080 | 34.559 | 0.065 | 38.251 | -0.011 | 38.271 | 0.012 | 38.293 | 0.026 | 38.313 | 0.077 |
| 34.569 | 0.035 | 34.587 | 0.013 | 34.602 | 0.005 | 34.612 | 0.026 | 38.329 | 0.106 | 38.344 | 0.077 | 38.369 | 0.026 | 38.392 | -0.017 |
| 34.631 | 0.055 | 34.646 | 0.062 | 34.664 | 0.046 | 34.681 | 0.018 | 38.416 | -0.017 | 38.435 | -0.003 | 38.455 | -0.010 | 38.487 | -0.010 |
| 34.698 | -0.011 | 34.712 | -0.018 | 34.726 | -0.003 | 34.741 | 0.026 | 38.510 | -0.003 | 38.536 | 0.056 | 38.558 | 0.026 | 38.579 | -0.017 |
| 34.751 | 0.041 | 34.761 | 0.041 | 34.773 | 0.020 | 34.787 | -0.001 | 38.595 | -0.032 | 38.617 | -0.046 | 38.626 | -0.032 | 38.644 | -0.003 |

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|--------|--------|--------|--------|--------|--------|--------|--------|
| 38.665 | -0.010 | 38.691 | 0.005 | 38.710 | -0.010 | 38.737 | -0.010 |
| 38.759 | -0.032 | 38.782 | -0.010 | 38.803 | 0.012 | 38.824 | 0.026 |
| 38.844 | 0.048 | 38.858 | 0.063 | 38.877 | 0.034 | 38.911 | 0.012 |
| 38.926 | -0.003 | 38.948 | -0.017 | 38.970 | -0.010 | 38.992 | 0.019 |
| 39.011 | 0.027 | 39.033 | 0.027 | 39.053 | 0.013 | 39.074 | 0.035 |
| 39.102 | 0.042 | 39.127 | 0.028 | 39.151 | 0.014 | 39.164 | -0.008 |
| 39.189 | 0.022 | 39.214 | 0.030 | 39.236 | 0.045 | 39.256 | 0.009 |
| 39.272 | -0.013 | 39.293 | -0.012 | 39.313 | -0.019 | 39.336 | -0.062 |
| 39.354 | -0.083 | 39.375 | -0.047 | 39.395 | 0.005 | 39.413 | 0.056 |
| 39.430 | 0.056 | 39.451 | 0.042 | 39.471 | 0.014 | 39.493 | 0.014 |
| 39.518 | 0.030 | 39.545 | 0.016 | 39.571 | 0.002 | 39.594 | -0.026 |
| 39.615 | 0.004 | 39.641 | 0.019 | 39.660 | 0.012 | 39.682 | -0.016 |
| 39.703 | 0.006 | 39.723 | 0.050 | 39.741 | 0.072 | 39.758 | 0.058 |
| 39.777 | 0.073 | 39.797 | 0.088 | 39.815 | 0.052 | 39.833 | -0.014 |
| 39.848 | -0.050 | 39.864 | -0.065 | 39.880 | -0.035 | 39.896 | -0.006 |
| 39.915 | 0.001 | 39.938 | 0.001 | 39.963 | 0.001 | 39.986 | 0.023 |
| 40.009 | 0.052 | 40.028 | 0.030 | 40.047 | 0.001 | 40.071 | -0.014 |
| 40.092 | 0.001 | 40.115 | 0.001 | 40.137 | 0.015 | 40.158 | 0.044 |
| 40.181 | 0.037 | 40.208 | 0.044 | 40.231 | 0.029 | 40.251 | 0.036 |
| 40.271 | 0.043 | 40.294 | 0.028 | 40.319 | 0.014 | 40.340 | -0.000 |
| 40.356 | -0.000 | 40.375 | 0.029 | 40.396 | 0.015 | 40.418 | 0.015 |
| 40.442 | 0.023 | 40.466 | 0.031 | 40.488 | 0.032 | 40.512 | 0.032 |
| 40.535 | 0.055 | 40.552 | 0.056 | 40.571 | 0.042 | 40.594 | 0.006 |
| 40.616 | -0.001 | 40.637 | -0.008 | 40.660 | -0.015 | 40.683 | -0.022 |
| 40.703 | -0.036 | 40.726 | -0.036 | 40.742 | -0.014 | 40.754 | 0.008 |
| 40.767 | -0.014 | 40.791 | -0.056 | 40.807 | -0.056 | 40.828 | -0.033 |
| 40.849 | -0.003 | 40.871 | -0.003 | 40.890 | 0.005 | 40.912 | 0.013 |
| 40.935 | 0.007 | 40.956 | -0.014 | 40.981 | -0.019 | 41.007 | 0.004 |
| 41.024 | 0.019 | 41.047 | 0.050 | 41.068 | 0.022 | 41.090 | 0.001 |
| 41.114 | 0.017 | 41.137 | 0.039 | 41.161 | 0.084 | 41.181 | 0.113 |
| 41.202 | 0.136 | 41.226 | 0.129 | 41.247 | 0.094 | 41.268 | 0.058 |
| 41.292 | 0.043 | 41.314 | 0.058 | 41.336 | 0.055 | 41.357 | 0.109 |
| 41.378 | 0.088 | 41.398 | 0.044 | 41.419 | 0.030 | 41.441 | 0.008 |
| 41.463 | 0.015 | 41.482 | 0.022 | 41.504 | 0.036 | 41.525 | 0.007 |
| 41.548 | -0.015 | 41.573 | -0.030 | 41.596 | -0.037 | 41.618 | -0.037 |
| 41.641 | -0.030 | 41.662 | -0.001 | 41.685 | 0.006 | 41.706 | 0.035 |
| 41.723 | 0.021 | 41.744 | -0.001 | 41.766 | -0.015 | 41.789 | -0.015 |
| 41.812 | -0.022 | 41.835 | -0.029 | 41.855 | -0.043 | 41.878 | -0.050 |
| 41.857 | -0.050 | 41.921 | -0.043 | 41.945 | -0.029 | 41.968 | -0.000 |
| 41.951 | 0.007 | 42.015 | 0.014 | 42.036 | -0.023 | 42.056 | -0.045 |
| 42.077 | -0.037 | 42.104 | -0.015 | 42.128 | 0.007 | 42.154 | -0.006 |
| 42.174 | -0.005 | 42.193 | 0.018 | 42.211 | 0.041 | 42.226 | 0.049 |
| 42.242 | 0.057 | 42.255 | 0.051 | | | | |

IQ236

71. 165 2/9/71 0600PST HOLLYWOOD 1760 N. ORCHID AVE. G. FL. EAST

2965 POINTS 42.255 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SUBTRACTED AND A HORIZONTAL ZERO LINE FIXED FOR THE ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCURACY.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1712 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | 0.091 | 0.012 | 0.077 | 0.028 | 0.084 | 0.042 | 0.013 | 1.764 | 0.062 | 1.774 | 0.133 | 1.781 | 0.069 | 1.750 | -0.037 |
| 0.054 | -0.036 | 0.065 | -0.036 | 0.078 | -0.029 | 0.093 | -0.004 | 1.798 | -0.072 | 1.807 | -0.044 | 1.818 | -0.023 | 1.831 | -0.010 |
| 0.103 | -0.065 | 0.116 | -0.064 | 0.126 | -0.036 | 0.141 | -0.036 | 1.843 | 0.032 | 1.856 | -0.010 | 1.871 | 0.032 | 1.881 | -0.039 |
| 0.155 | 0.020 | 0.165 | 0.098 | 0.175 | 0.119 | 0.189 | 0.105 | 1.894 | -0.011 | 1.906 | -0.068 | 1.922 | -0.061 | 1.931 | 0.044 |
| 0.203 | 0.058 | 0.217 | 0.049 | 0.231 | 0.022 | 0.244 | -0.085 | 1.940 | 0.107 | 1.955 | 0.064 | 1.971 | 0.021 | 1.988 | 0.027 |
| 0.252 | -0.106 | 0.263 | -0.106 | 0.274 | -0.134 | 0.279 | -0.156 | 2.004 | 0.027 | 2.015 | 0.068 | 2.028 | 0.110 | 2.037 | 0.060 |
| 0.285 | -0.134 | 0.295 | -0.102 | 0.311 | -0.092 | 0.328 | -0.050 | 2.048 | -0.046 | 2.063 | -0.060 | 2.078 | -0.068 | 2.091 | -0.005 |
| 0.345 | 0.049 | 0.360 | 0.119 | 0.374 | 0.182 | 0.384 | 0.196 | 2.101 | 0.051 | 2.118 | 0.120 | 2.132 | 0.148 | 2.145 | 0.112 |
| 0.393 | 0.168 | 0.403 | 0.069 | 0.420 | 0.027 | 0.434 | -0.051 | 2.161 | 0.027 | 2.168 | -0.058 | 2.188 | -0.115 | 2.204 | -0.133 |
| 0.451 | -0.128 | 0.461 | -0.163 | 0.468 | 0.085 | 0.477 | -0.156 | 2.215 | -0.056 | 2.227 | -0.040 | 2.236 | -0.068 | 2.247 | -0.146 |
| 0.485 | -0.114 | 0.491 | -0.093 | 0.500 | -0.121 | 0.505 | -0.136 | 2.254 | -0.189 | 2.263 | -0.140 | 2.270 | -0.070 | 2.279 | -0.042 |
| 0.512 | -0.086 | 0.525 | 0.040 | 0.535 | 0.118 | 0.547 | 0.167 | 2.293 | 0.064 | 2.304 | -0.039 | 2.317 | -0.002 | 2.331 | -0.031 |
| 0.555 | 0.181 | 0.564 | 0.139 | 0.572 | 0.075 | 0.587 | 0.012 | 2.351 | 0.024 | 2.363 | -0.019 | 2.370 | -0.034 | 2.386 | 0.029 |
| 0.600 | -0.059 | 0.616 | -0.101 | 0.630 | -0.087 | 0.644 | -0.052 | 2.407 | 0.066 | 2.425 | 0.033 | 2.441 | -0.010 | 2.455 | -0.060 |
| 0.649 | -0.031 | 0.655 | -0.059 | 0.667 | -0.123 | 0.673 | -0.151 | 2.463 | -0.079 | 2.472 | -0.032 | 2.475 | 0.024 | 2.489 | 0.030 |
| 0.682 | -0.123 | 0.691 | -0.038 | 0.702 | -0.004 | 0.713 | 0.017 | 2.511 | 0.029 | 2.520 | -0.013 | 2.536 | -0.105 | 2.546 | -0.120 |
| 0.723 | 0.066 | 0.730 | 0.094 | 0.741 | 0.080 | 0.753 | 0.086 | 2.555 | -0.052 | 2.575 | -0.023 | 2.585 | 0.054 | 2.600 | 0.075 |
| 0.765 | 0.065 | 0.775 | 0.008 | 0.784 | 0.029 | 0.793 | 0.071 | 2.610 | 0.046 | 2.617 | 0.073 | 2.624 | 0.144 | 2.635 | 0.024 |
| 0.804 | 0.078 | 0.815 | 0.126 | 0.824 | 0.140 | 0.832 | 0.112 | 2.645 | -0.042 | 2.653 | -0.061 | 2.665 | -0.033 | 2.671 | -0.033 |
| 0.843 | 0.013 | 0.853 | -0.093 | 0.861 | -0.143 | 0.870 | -0.122 | 2.684 | -0.090 | 2.692 | -0.132 | 2.701 | -0.097 | 2.710 | -0.006 |
| 0.881 | -0.080 | 0.894 | -0.081 | 0.903 | -0.060 | 0.914 | 0.031 | 2.726 | 0.015 | 2.739 | 0.141 | 2.756 | 0.134 | 2.766 | 0.190 |
| 0.926 | 0.080 | 0.937 | 0.086 | 0.944 | 0.051 | 0.952 | 0.001 | 2.773 | 0.204 | 2.780 | 0.176 | 2.792 | 0.070 | 2.808 | -0.029 |
| 0.957 | -0.034 | 0.964 | -0.006 | 0.971 | 0.036 | 0.989 | 0.035 | 2.821 | -0.121 | 2.826 | -0.142 | 2.835 | -0.093 | 2.844 | -0.009 |
| 0.999 | 0.055 | 1.010 | 0.083 | 1.022 | 0.057 | 1.031 | 0.110 | 2.850 | -0.044 | 2.865 | -0.073 | 2.878 | -0.066 | 2.894 | 0.094 |
| 1.040 | 0.075 | 1.051 | -0.031 | 1.060 | -0.130 | 1.074 | -0.173 | 2.911 | -0.060 | 2.922 | 0.060 | 2.933 | 0.207 | 2.940 | 0.242 |
| 1.084 | -0.188 | 1.092 | -0.160 | 1.102 | -0.132 | 1.117 | -0.174 | 2.953 | -0.258 | 2.968 | -0.256 | 2.979 | 0.192 | 2.992 | 0.009 |
| 1.126 | -0.146 | 1.136 | -0.034 | 1.148 | 0.065 | 1.158 | 0.121 | 3.004 | -0.104 | 3.015 | -0.139 | 3.027 | -0.057 | 3.042 | -0.069 |
| 1.174 | 0.163 | 1.185 | 0.155 | 1.197 | 0.134 | 1.206 | 0.155 | 3.055 | -0.126 | 3.065 | -0.042 | 3.078 | 0.071 | 3.090 | 0.141 |
| 1.211 | 0.176 | 1.218 | 0.141 | 1.225 | 0.014 | 1.234 | -0.078 | 3.108 | 0.134 | 3.129 | 0.155 | 3.140 | 0.099 | 3.154 | 0.007 |
| 1.243 | -0.120 | 1.252 | -0.036 | 1.261 | -0.036 | 1.269 | -0.015 | 3.170 | -0.021 | 3.180 | -0.155 | 3.191 | -0.239 | 3.209 | -0.211 |
| 1.284 | 0.678 | 1.302 | -0.036 | 1.311 | -0.078 | 1.320 | -0.134 | 3.224 | -0.169 | 3.235 | -0.057 | 3.249 | 0.070 | 3.265 | 0.070 |
| 1.327 | -0.106 | 1.338 | -0.001 | 1.351 | 0.041 | 1.359 | 0.119 | 3.277 | 0.058 | 3.298 | 0.036 | 3.308 | -0.156 | 3.322 | 0.154 |
| 1.370 | 0.156 | 1.381 | 0.147 | 1.394 | 0.098 | 1.407 | 0.020 | 3.334 | 0.058 | 3.350 | -0.127 | 3.430 | -0.071 | 3.453 | 0.006 |
| 1.420 | -0.043 | 1.429 | -0.085 | 1.451 | -0.064 | 1.469 | -0.113 | 3.356 | -0.142 | 3.482 | 0.162 | 3.493 | 0.217 | 3.504 | 0.189 |
| 1.485 | -0.029 | 1.498 | 0.049 | 1.514 | 0.034 | 1.531 | 0.077 | 3.468 | 0.084 | 3.520 | 0.064 | 3.536 | -0.142 | 3.546 | -0.198 |
| 1.543 | 0.161 | 1.548 | 0.189 | 1.570 | 0.168 | 1.580 | 0.098 | 3.513 | 0.063 | 3.562 | -0.265 | 3.575 | -0.142 | 3.593 | -0.085 |
| 1.592 | 0.068 | 1.604 | -0.043 | 1.615 | -0.170 | 1.623 | -0.219 | 3.553 | -0.233 | 3.562 | -0.065 | 3.575 | -0.142 | 3.593 | -0.085 |
| 1.631 | -0.158 | 1.643 | -0.071 | 1.659 | 0.070 | 1.672 | 0.126 | 3.607 | 0.157 | 3.616 | 0.052 | 3.626 | 0.105 | 3.634 | -0.134 |
| 1.681 | 0.040 | 1.685 | 0.077 | 1.695 | 0.006 | 1.712 | -0.029 | 3.647 | 0.077 | 3.662 | 0.066 | 3.678 | -0.066 | 3.686 | -0.134 |
| 1.721 | -0.071 | 1.731 | -0.029 | 1.740 | 0.034 | 1.753 | -0.001 | 3.659 | -0.059 | 3.706 | -0.001 | 3.714 | 0.034 | 3.726 | 0.034 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 3.739 | 0.119 | 3.751 | 0.077 | 3.764 | -0.057 | 3.780 | -0.078 | 6.268 | -1.057 | 6.277 | -1.048 | 6.284 | -0.921 | 6.300 | -0.389 |
| 3.795 | -0.043 | 3.806 | 0.077 | 3.816 | -0.126 | 3.824 | 0.140 | 6.316 | 0.149 | 6.325 | 0.395 | 6.333 | 0.445 | 6.340 | 0.403 |
| 3.837 | 0.105 | 3.854 | 0.006 | 3.870 | -0.064 | 3.879 | -0.085 | 6.353 | 0.234 | 6.366 | 0.009 | 6.376 | -0.275 | 6.383 | -0.275 |
| 3.889 | -0.043 | 3.897 | 0.048 | 3.906 | 0.083 | 3.924 | 0.012 | 6.391 | -0.265 | 6.402 | -0.173 | 6.413 | -0.222 | 6.425 | -0.369 |
| 3.936 | -0.023 | 3.946 | -0.115 | 3.963 | -0.171 | 3.978 | -0.214 | 6.434 | -0.482 | 6.442 | -0.510 | 6.450 | -0.453 | 6.455 | -0.249 |
| 3.987 | -0.158 | 3.998 | 0.018 | 4.008 | -0.074 | 4.023 | 0.060 | 6.468 | -0.024 | 6.484 | 0.216 | 6.496 | 0.357 | 6.504 | 0.420 |
| 4.035 | 0.137 | 4.048 | 0.256 | 4.057 | 0.284 | 4.072 | 0.241 | 6.512 | 0.371 | 6.524 | 0.139 | 6.537 | -0.030 | 6.547 | -0.145 |
| 4.087 | 0.093 | 4.101 | -0.020 | 4.110 | -0.045 | 4.121 | 0.007 | 6.559 | -0.339 | 6.573 | -0.473 | 6.588 | -0.571 | 6.597 | -0.501 |
| 4.133 | 0.034 | 4.152 | -0.044 | 4.170 | -0.045 | 4.190 | -0.061 | 6.617 | -0.363 | 6.634 | -0.022 | 6.643 | -0.022 | 6.652 | 0.619 |
| 4.208 | -0.046 | 4.218 | 0.052 | 4.228 | 0.199 | 4.236 | 0.241 | 6.670 | 0.872 | 6.680 | 0.935 | 6.694 | 0.865 | 6.705 | 0.689 |
| 4.242 | 0.192 | 4.254 | 0.093 | 4.268 | 0.078 | 4.282 | 0.015 | 6.717 | 0.351 | 6.727 | 0.070 | 6.741 | 0.184 | 6.755 | 0.479 |
| 4.297 | 0.021 | 4.307 | -0.056 | 4.318 | -0.225 | 4.324 | -0.324 | 6.766 | -0.634 | 6.778 | -0.747 | 6.785 | -0.775 | 6.794 | -0.712 |
| 4.331 | -0.338 | 4.344 | -0.296 | 4.359 | -0.240 | 4.375 | -0.113 | 6.805 | -0.529 | 6.816 | -0.289 | 6.825 | -0.226 | 6.842 | -0.127 |
| 4.392 | -0.043 | 4.402 | 0.013 | 4.412 | 0.189 | 4.420 | 0.239 | 6.856 | 0.034 | 6.874 | 0.555 | 6.886 | 0.752 | 6.897 | 0.914 |
| 4.431 | 0.217 | 4.449 | 0.140 | 4.466 | 0.224 | 4.475 | 0.175 | 6.906 | 1.160 | 6.912 | 1.221 | 6.919 | 1.259 | 6.926 | 1.203 |
| 4.486 | 0.020 | 4.507 | -0.127 | 4.520 | -0.282 | 4.529 | -0.332 | 6.940 | 0.787 | 6.962 | -0.036 | 6.979 | -0.648 | 6.990 | -1.127 |
| 4.538 | -0.282 | 4.550 | -0.057 | 4.571 | 0.013 | 4.585 | 0.168 | 6.997 | -1.253 | 7.003 | -1.256 | 7.012 | -1.218 | 7.024 | -0.859 |
| 4.558 | 0.302 | 4.610 | 0.246 | 4.621 | 0.217 | 4.632 | 0.281 | 7.039 | -0.416 | 7.047 | -0.120 | 7.058 | 0.049 | 7.072 | 0.182 |
| 4.638 | 0.302 | 4.646 | 0.260 | 4.655 | 0.105 | 4.664 | -0.071 | 7.084 | 0.400 | 7.092 | 0.457 | 7.098 | 0.414 | 7.113 | 0.210 |
| 4.671 | -0.134 | 4.687 | -0.191 | 4.700 | -0.254 | 4.709 | -0.296 | 7.122 | 0.147 | 7.135 | 0.126 | 7.150 | -0.008 | 7.161 | -0.177 |
| 4.721 | -0.254 | 4.732 | -0.149 | 4.742 | -0.022 | 4.753 | 0.049 | 7.172 | -0.381 | 7.183 | -0.466 | 7.193 | -0.444 | 7.204 | -0.388 |
| 4.767 | 0.041 | 4.778 | 0.105 | 4.784 | 0.161 | 4.792 | 0.196 | 7.220 | -0.381 | 7.230 | -0.285 | 7.239 | -0.057 | 7.245 | -0.015 |
| 4.798 | 0.140 | 4.807 | 0.069 | 4.815 | 0.041 | 4.823 | 0.083 | 7.253 | -0.071 | 7.265 | -0.282 | 7.283 | -0.423 | 7.293 | -0.529 |
| 4.839 | 0.182 | 4.849 | 0.224 | 4.866 | 0.167 | 4.880 | 0.217 | 7.302 | -0.564 | 7.311 | -0.522 | 7.330 | -0.374 | 7.344 | -0.240 |
| 4.887 | 0.160 | 4.898 | -0.058 | 4.906 | -0.255 | 4.912 | -0.305 | 7.357 | -0.142 | 7.370 | 0.063 | 7.381 | 0.182 | 7.392 | 0.348 |
| 4.926 | -0.268 | 4.940 | -0.213 | 4.949 | -0.150 | 4.963 | -0.179 | 7.401 | 0.795 | 7.409 | 0.811 | 7.417 | 0.731 | 7.429 | 0.492 |
| 4.971 | -0.073 | 4.979 | 0.257 | 4.989 | 0.370 | 5.000 | 0.334 | 7.444 | 0.260 | 7.455 | 0.056 | 7.467 | -0.085 | 7.476 | -0.318 |
| 5.010 | 0.285 | 5.017 | 0.362 | 5.028 | 0.460 | 5.039 | 0.467 | 7.500 | -0.395 | 7.511 | -0.536 | 7.527 | -0.705 | 7.539 | -0.741 |
| 5.049 | 0.432 | 5.058 | 0.256 | 5.067 | 0.108 | 5.074 | 0.079 | 7.548 | -0.635 | 7.555 | -0.157 | 7.570 | 0.139 | 7.583 | 0.539 |
| 5.085 | 0.121 | 5.094 | 0.030 | 5.105 | -0.154 | 5.116 | -0.344 | 7.590 | 0.750 | 7.596 | -0.813 | 7.603 | 0.743 | 7.614 | 0.418 |
| 5.126 | -0.436 | 5.133 | -0.358 | 5.140 | -0.190 | 5.147 | -0.155 | 7.630 | 0.010 | 7.635 | -0.223 | 7.650 | -0.308 | 7.668 | -0.280 |
| 5.156 | -0.204 | 5.171 | -0.268 | 5.180 | -0.282 | 5.190 | -0.226 | 7.682 | -0.337 | 7.700 | -0.422 | 7.714 | -0.465 | 7.721 | -0.374 |
| 5.202 | 0.021 | 5.210 | 0.154 | 5.228 | 0.210 | 5.237 | 0.330 | 7.734 | -0.149 | 7.751 | 0.019 | 7.759 | 0.068 | 7.777 | 0.067 |
| 5.243 | 0.365 | 5.250 | 0.316 | 5.262 | 0.098 | 5.274 | -0.127 | 7.790 | -0.011 | 7.801 | -0.062 | 7.814 | -0.026 | 7.828 | 0.212 |
| 5.282 | -0.261 | 5.289 | -0.303 | 5.299 | -0.254 | 5.315 | -0.113 | 7.832 | 0.282 | 7.837 | 0.289 | 7.844 | 0.239 | 7.852 | 0.045 |
| 5.324 | -0.084 | 5.339 | -0.029 | 5.346 | -0.142 | 5.359 | -0.543 | 7.865 | -0.240 | 7.873 | -0.360 | 7.883 | -0.403 | 7.892 | -0.347 |
| 5.366 | -0.662 | 5.372 | -0.690 | 5.387 | -0.606 | 5.402 | -0.550 | 7.906 | -0.137 | 7.926 | -0.061 | 7.934 | -0.138 | 7.947 | -0.216 |
| 5.414 | -0.360 | 5.423 | -0.226 | 5.436 | -0.092 | 5.445 | -0.119 | 7.961 | -0.238 | 7.975 | -0.379 | 7.988 | -0.380 | 7.995 | -0.387 |
| 5.453 | 0.203 | 5.475 | 0.140 | 5.487 | 0.224 | 5.499 | 0.253 | 8.014 | -0.263 | 8.028 | -0.177 | 8.039 | -0.037 | 8.053 | 0.075 |
| 5.511 | 0.154 | 5.523 | -0.106 | 5.532 | -0.254 | 5.546 | -0.163 | 8.066 | 0.412 | 8.077 | 0.714 | 8.088 | 0.655 | 8.100 | 0.504 |
| 5.561 | -0.120 | 5.571 | 0.013 | 5.579 | 0.077 | 5.593 | 0.020 | 8.108 | 0.861 | 8.119 | 0.636 | 8.136 | 0.227 | 8.147 | -0.112 |
| 5.605 | -0.064 | 5.614 | -0.268 | 5.622 | -0.493 | 5.628 | -0.543 | 8.156 | -0.238 | 8.172 | -0.266 | 8.181 | -0.288 | 8.195 | -0.231 |
| 5.635 | -0.486 | 5.645 | -0.240 | 5.663 | -0.106 | 5.675 | 0.217 | 8.206 | -0.196 | 8.219 | 0.068 | 8.233 | 0.246 | 8.246 | 0.564 |
| 5.687 | 0.534 | 5.694 | 0.654 | 5.700 | 0.675 | 5.706 | 0.626 | 8.256 | 0.620 | 8.265 | 0.578 | 8.278 | 0.430 | 8.288 | 0.107 |
| 5.714 | 0.429 | 5.727 | 0.217 | 5.741 | 0.147 | 5.751 | 0.189 | 8.297 | -0.048 | 8.305 | -0.062 | 8.311 | -0.026 | 8.322 | 0.291 |
| 5.763 | 0.217 | 5.771 | 0.147 | 5.782 | -0.068 | 5.791 | -0.064 | 8.331 | 0.566 | 8.341 | 0.707 | 8.352 | 0.778 | 8.360 | 0.708 |
| 5.802 | -0.043 | 5.817 | -0.233 | 5.835 | -0.282 | 5.845 | -0.409 | 8.370 | 0.343 | 8.383 | -0.220 | 8.395 | -0.423 | 8.405 | -0.514 |
| 5.862 | -0.361 | 5.875 | -0.444 | 5.882 | -0.367 | 5.894 | -0.471 | 8.416 | -0.443 | 8.429 | -0.115 | 8.441 | -0.147 | 8.454 | -0.076 |
| 5.913 | 0.161 | 5.928 | 0.393 | 5.938 | 0.478 | 5.947 | 0.043 | 8.466 | 0.164 | 8.477 | 0.263 | 8.486 | 0.200 | 8.500 | -0.060 |
| 5.958 | 0.302 | 5.966 | 0.239 | 5.990 | 0.210 | 5.999 | 0.140 | 8.512 | -0.439 | 8.523 | -0.671 | 8.530 | -0.735 | 8.541 | -0.664 |
| 6.008 | -0.043 | 6.019 | -0.416 | 6.029 | -0.620 | 6.040 | -0.683 | 8.548 | -0.474 | 8.567 | -0.227 | 8.587 | 0.048 | 8.598 | 0.189 |
| 6.053 | -0.655 | 6.069 | -0.592 | 6.079 | -0.381 | 6.092 | -0.022 | 8.621 | 0.238 | 8.621 | 0.224 | 8.635 | 0.344 | 8.651 | 0.492 |
| 6.102 | 0.281 | 6.110 | 0.365 | 6.120 | 0.316 | 6.127 | 0.217 | 8.660 | 0.669 | 8.669 | 0.704 | 8.680 | 0.641 | 8.690 | 0.395 |
| 6.136 | 0.189 | 6.143 | 0.329 | 6.163 | 0.364 | 6.172 | 0.429 | 8.702 | 0.029 | 8.710 | -0.051 | 8.719 | -0.126 | 8.728 | -0.069 |
| 6.181 | 0.373 | 6.189 | 0.324 | 6.204 | 0.267 | 6.217 | 0.028 | 8.739 | 0.066 | 8.750 | 0.012 | 8.762 | 0.086 | 8.777 | 0.073 |
| 6.233 | -0.338 | 6.245 | -0.656 | 6.254 | -0.585 | 6.259 | -1.076 | 8.790 | 0.122 | 8.802 | 0.214 | 8.824 | 0.151 | 8.843 | 0.201 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8.853 | 0.137 | 8.866 | -0.207 | 8.877 | -0.456 | 8.885 | -0.552 | 11.658 | -0.041 | 11.705 | -0.075 | 11.725 | -0.209 | 11.735 | -0.286 |
| 8.893 | 0.488 | 8.907 | -0.256 | 8.922 | 0.110 | 8.932 | 0.188 | 11.741 | -0.335 | 11.747 | -0.358 | 11.754 | -0.419 | 11.764 | -0.390 |
| 8.951 | 0.050 | 8.962 | 0.223 | 8.974 | 0.414 | 8.981 | 0.350 | 11.771 | -0.348 | 11.783 | -0.235 | 11.792 | -0.164 | 11.805 | -0.066 |
| 8.994 | 0.118 | 9.013 | 0.055 | 9.030 | -0.149 | 9.045 | -0.388 | 11.811 | -0.009 | 11.817 | 0.019 | 11.826 | 0.019 | 11.833 | 0.040 |
| 9.051 | -0.472 | 9.061 | -0.514 | 9.076 | -0.444 | 9.085 | -0.268 | 11.840 | 0.012 | 11.847 | -0.016 | 11.857 | -0.051 | 11.867 | -0.051 |
| 9.097 | 0.281 | 9.106 | 0.577 | 9.115 | 0.640 | 9.124 | 0.669 | 11.876 | -0.065 | 11.885 | -0.086 | 11.896 | -0.042 | 11.905 | -0.054 |
| 9.134 | 0.606 | 9.149 | 0.352 | 9.162 | 0.127 | 9.169 | 0.052 | 11.915 | -0.290 | 11.922 | -0.240 | 11.936 | -0.085 | 11.951 | 0.084 |
| 9.179 | 0.121 | 9.190 | 0.184 | 9.202 | 0.121 | 9.214 | 0.044 | 11.957 | 0.133 | 11.964 | 0.140 | 11.975 | 0.105 | 11.983 | 0.084 |
| 9.225 | 0.060 | 9.248 | 0.054 | 9.261 | 0.052 | 9.272 | -0.018 | 11.992 | 0.119 | 12.002 | 0.175 | 12.013 | 0.175 | 12.026 | 0.175 |
| 9.280 | -0.060 | 9.288 | -0.010 | 9.300 | 0.194 | 9.308 | 0.314 | 12.037 | 0.231 | 12.044 | 0.239 | 12.053 | 0.239 | 12.066 | 0.239 |
| 9.317 | 0.385 | 9.327 | 0.314 | 9.344 | 0.160 | 9.359 | 0.012 | 12.077 | 0.224 | 12.083 | 0.203 | 12.095 | 0.182 | 12.110 | 0.041 |
| 9.370 | -0.241 | 9.383 | -0.473 | 9.398 | -0.691 | 9.407 | -0.761 | 12.116 | 0.020 | 12.127 | -0.008 | 12.143 | -0.015 | 12.149 | -0.015 |
| 9.418 | -0.651 | 9.433 | -0.304 | 9.447 | -0.022 | 9.455 | 0.140 | 12.156 | 0.006 | 12.175 | -0.001 | 12.184 | -0.001 | 12.192 | 0.041 |
| 9.464 | 0.337 | 9.485 | 0.521 | 9.496 | 0.718 | 9.505 | 0.768 | 12.197 | 0.056 | 12.206 | 0.091 | 12.224 | 0.112 | 12.233 | 0.112 |
| 9.517 | 0.712 | 9.530 | 0.515 | 9.543 | 0.262 | 9.562 | 0.195 | 12.247 | 0.140 | 12.261 | 0.161 | 12.268 | 0.168 | 12.285 | 0.203 |
| 9.573 | 0.080 | 9.589 | -0.061 | 9.596 | -0.089 | 9.607 | -0.025 | 12.300 | 0.239 | 12.313 | 0.224 | 12.332 | 0.175 | 12.341 | 0.063 |
| 9.627 | 0.102 | 9.646 | 0.187 | 9.657 | 0.216 | 9.676 | 0.167 | 12.357 | -0.170 | 12.365 | -0.247 | 12.380 | -0.303 | 12.391 | -0.325 |
| 9.695 | -0.072 | 9.716 | -0.163 | 9.725 | -0.254 | 9.731 | -0.274 | 12.402 | -0.256 | 12.417 | -0.212 | 12.433 | -0.092 | 12.447 | 0.070 |
| 9.741 | -0.225 | 9.756 | -0.013 | 9.771 | 0.221 | 9.777 | 0.348 | 12.414 | 0.260 | 12.452 | 0.246 | 12.505 | 0.217 | 12.520 | 0.147 |
| 9.790 | 0.419 | 9.800 | 0.363 | 9.814 | 0.251 | 9.828 | 0.041 | 12.537 | -0.050 | 12.556 | -0.220 | 12.574 | -0.389 | 12.589 | -0.473 |
| 9.840 | -0.127 | 9.847 | -0.197 | 9.855 | -0.147 | 9.873 | 0.029 | 12.607 | -0.438 | 12.627 | -0.361 | 12.648 | -0.248 | 12.664 | -0.052 |
| 9.884 | 0.100 | 9.893 | 0.030 | 9.905 | -0.117 | 9.912 | -0.152 | 12.674 | 0.082 | 12.685 | 0.159 | 12.694 | 0.145 | 12.708 | 0.169 |
| 9.933 | -0.159 | 9.941 | -0.109 | 9.953 | 0.046 | 9.965 | 0.075 | 12.719 | 0.123 | 12.726 | 0.144 | 12.737 | 0.080 | 12.750 | -0.089 |
| 9.976 | 0.033 | 9.992 | -0.136 | 10.000 | -0.304 | 10.012 | -0.353 | 12.759 | -0.166 | 12.771 | -0.110 | 12.784 | -0.033 | 12.795 | 0.009 |
| 10.028 | -0.268 | 10.045 | -0.099 | 10.055 | 0.006 | 10.067 | 0.049 | 12.804 | -0.034 | 12.821 | -0.182 | 12.830 | -0.225 | 12.842 | -0.176 |
| 10.079 | -0.022 | 10.094 | -0.142 | 10.107 | -0.170 | 10.119 | -0.134 | 12.863 | -0.035 | 12.884 | 0.058 | 12.897 | 0.168 | 12.913 | 0.153 |
| 10.130 | -0.092 | 10.145 | -0.106 | 10.158 | -0.085 | 10.172 | -0.127 | 12.921 | 0.125 | 12.935 | -0.002 | 12.947 | -0.122 | 12.956 | -0.151 |
| 10.184 | -0.219 | 10.202 | -0.268 | 10.217 | -0.346 | 10.236 | -0.289 | 12.963 | -0.144 | 12.979 | -0.053 | 12.994 | -0.034 | 13.009 | 0.024 |
| 10.251 | -0.325 | 10.266 | -0.289 | 10.284 | -0.360 | 10.304 | -0.268 | 13.028 | 0.054 | 13.036 | -0.043 | 13.047 | -0.034 | 13.059 | 0.093 |
| 10.322 | -0.205 | 10.332 | -0.127 | 10.350 | -0.050 | 10.363 | 0.161 | 13.068 | 0.149 | 13.076 | 0.177 | 13.083 | 0.145 | 13.100 | 0.064 |
| 10.377 | 0.309 | 10.388 | 0.556 | 10.402 | 0.626 | 10.425 | 0.627 | 13.120 | -0.020 | 13.137 | -0.034 | 13.156 | -0.147 | 13.165 | -0.189 |
| 10.443 | 0.507 | 10.455 | 0.339 | 10.468 | 0.022 | 10.484 | -0.449 | 13.180 | 0.064 | 13.202 | -0.076 | 13.231 | 0.022 | 13.259 | 0.085 |
| 10.498 | -0.850 | 10.504 | -0.991 | 10.512 | -1.026 | 10.521 | -0.593 | 13.259 | 0.064 | 13.282 | -0.022 | 13.290 | 0.006 | 13.299 | 0.050 |
| 10.535 | -0.912 | 10.547 | -0.911 | 10.561 | -0.721 | 10.573 | -0.523 | 13.317 | 0.135 | 13.335 | 0.261 | 13.350 | 0.275 | 13.370 | 0.261 |
| 10.587 | -0.171 | 10.603 | 0.203 | 10.615 | 0.359 | 10.628 | 0.310 | 13.382 | 0.163 | 13.396 | 0.052 | 13.409 | 0.071 | 13.417 | 0.057 |
| 10.641 | 0.191 | 10.653 | -0.125 | 10.664 | -0.245 | 10.673 | -0.279 | 13.429 | 0.106 | 13.439 | 0.135 | 13.450 | 0.099 | 13.480 | -0.021 |
| 10.688 | -0.145 | 10.712 | -0.080 | 10.727 | 0.061 | 10.740 | 0.131 | 13.495 | -0.071 | 13.502 | -0.050 | 13.520 | -0.093 | 13.536 | -0.121 |
| 10.748 | 0.174 | 10.758 | 0.104 | 10.769 | -0.079 | 10.789 | -0.318 | 13.553 | -0.157 | 13.578 | -0.073 | 13.589 | -0.031 | 13.600 | -0.011 |
| 10.801 | -0.396 | 10.810 | -0.332 | 10.827 | -0.145 | 10.845 | 0.055 | 13.621 | 0.151 | 13.633 | 0.284 | 13.643 | 0.361 | 13.657 | 0.410 |
| 10.856 | 0.133 | 10.872 | 0.175 | 10.889 | 0.231 | 10.906 | 0.231 | 13.671 | 0.459 | 13.682 | 0.421 | 13.693 | 0.339 | 13.705 | 0.191 |
| 10.919 | 0.330 | 10.930 | 0.372 | 10.940 | 0.309 | 10.955 | 0.091 | 13.723 | 0.163 | 13.738 | 0.134 | 13.752 | 0.071 | 13.771 | -0.031 |
| 10.970 | -0.156 | 10.986 | -0.360 | 10.998 | -0.486 | 11.008 | -0.559 | 13.783 | -0.183 | 13.793 | -0.219 | 13.802 | -0.176 | 13.815 | -0.071 |
| 11.020 | -0.465 | 11.039 | -0.339 | 11.050 | -0.254 | 11.067 | -0.233 | 13.824 | -0.022 | 13.835 | -0.057 | 13.858 | -0.219 | 13.871 | -0.311 |
| 11.084 | -0.113 | 11.094 | 0.027 | 11.103 | 0.189 | 11.114 | 0.260 | 13.863 | -0.339 | 13.901 | -0.304 | 13.922 | -0.227 | 13.940 | -0.121 |
| 11.125 | 0.203 | 11.143 | -0.008 | 11.157 | -0.212 | 11.170 | -0.325 | 13.955 | -0.009 | 13.972 | 0.125 | 13.983 | 0.181 | 13.996 | 0.145 |
| 11.180 | -0.353 | 11.185 | -0.310 | 11.204 | -0.170 | 11.216 | -0.134 | 14.017 | 0.012 | 14.025 | -0.031 | 14.037 | -0.017 | 14.045 | 0.110 |
| 11.225 | -0.205 | 11.234 | -0.275 | 11.242 | -0.303 | 11.252 | -0.254 | 14.076 | 0.081 | 14.100 | 0.060 | 14.111 | 0.039 | 14.127 | 0.173 |
| 11.262 | -0.232 | 11.278 | -0.196 | 11.293 | -0.125 | 11.311 | -0.174 | 14.140 | 0.243 | 14.150 | 0.186 | 14.172 | -0.032 | 14.186 | -0.102 |
| 11.322 | -0.056 | 11.332 | -0.004 | 11.352 | -0.004 | 11.368 | -0.045 | 14.197 | -0.060 | 14.209 | 0.003 | 14.233 | 0.038 | 14.249 | 0.066 |
| 11.386 | -0.207 | 11.404 | -0.382 | 11.414 | -0.487 | 11.423 | -0.529 | 14.270 | 0.172 | 14.279 | 0.136 | 14.296 | 0.045 | 14.307 | 0.010 |
| 11.430 | -0.465 | 11.445 | -0.205 | 11.459 | -0.111 | 11.473 | -0.252 | 14.315 | 0.087 | 14.327 | 0.166 | 14.336 | 0.235 | 14.347 | 0.200 |
| 11.485 | 0.322 | 11.502 | 0.272 | 11.521 | 0.216 | 11.530 | 0.139 | 14.362 | 0.054 | 14.372 | 0.031 | 14.389 | 0.031 | 14.404 | 0.052 |
| 11.539 | 0.047 | 11.547 | 0.019 | 11.557 | 0.003 | 11.570 | 0.047 | 14.418 | 0.010 | 14.434 | -0.033 | 14.447 | -0.012 | 14.457 | 0.024 |
| 11.589 | -0.002 | 11.600 | -0.037 | 11.608 | -0.057 | 11.620 | -0.043 | 14.471 | -0.012 | 14.483 | 0.051 | 14.493 | 0.108 | 14.503 | 0.143 |
| 11.625 | -0.022 | 11.631 | -0.007 | 11.639 | -0.035 | 11.646 | -0.056 | 14.512 | 0.122 | 14.531 | 0.030 | 14.541 | -0.019 | 14.557 | -0.055 |
| 11.653 | -0.091 | 11.661 | -0.133 | 11.674 | -0.105 | 11.687 | -0.069 | 14.570 | -0.006 | 14.583 | 0.029 | 14.603 | 0.001 | 14.621 | -0.062 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 14.644 | -0.189 | 14.657 | -0.231 | 14.675 | -0.252 | 14.687 | -0.287 | 17.924 | -0.014 | 17.935 | -0.063 | 17.946 | -0.051 | 17.956 | -0.112 |
| 14.698 | -0.330 | 14.706 | -0.337 | 14.722 | -0.302 | 14.735 | -0.231 | 17.971 | -0.111 | 17.984 | -0.118 | 17.995 | -0.068 | 18.006 | -0.011 |
| 14.753 | -0.155 | 14.767 | -0.020 | 14.780 | -0.020 | 14.786 | -0.062 | 18.019 | 0.031 | 18.035 | 0.004 | 18.050 | -0.031 | 18.071 | -0.011 |
| 14.799 | -0.133 | 14.811 | -0.168 | 14.821 | -0.105 | 14.834 | -0.020 | 18.086 | -0.030 | 18.106 | -0.001 | 18.118 | -0.057 | 18.136 | -0.176 |
| 14.844 | -0.048 | 14.860 | -0.118 | 14.883 | -0.118 | 14.896 | -0.167 | 18.152 | -0.246 | 18.168 | -0.274 | 18.182 | -0.217 | 18.198 | -0.140 |
| 14.911 | -0.216 | 14.926 | -0.279 | 14.942 | -0.300 | 14.967 | -0.285 | 18.266 | -0.097 | 18.271 | -0.069 | 18.281 | -0.041 | 18.294 | -0.041 |
| 14.990 | -0.242 | 15.015 | -0.115 | 15.034 | -0.115 | 15.048 | -0.143 | 18.256 | -0.041 | 18.271 | -0.047 | 18.281 | -0.083 | 18.294 | -0.056 |
| 15.065 | -0.101 | 15.097 | 0.096 | 15.111 | 0.145 | 15.129 | 0.110 | 18.308 | -0.110 | 18.324 | -0.124 | 18.340 | -0.096 | 18.352 | -0.040 |
| 15.144 | 0.159 | 15.155 | 0.202 | 15.166 | 0.159 | 15.186 | 0.068 | 18.373 | 0.087 | 18.384 | 0.115 | 18.407 | 0.122 | 18.424 | 0.122 |
| 15.206 | -0.059 | 15.225 | -0.101 | 15.241 | -0.066 | 15.250 | 0.011 | 18.445 | 0.122 | 18.459 | 0.066 | 18.473 | 0.010 | 18.484 | -0.011 |
| 15.263 | 0.109 | 15.276 | 0.165 | 15.285 | 0.130 | 15.297 | 0.080 | 18.503 | 0.024 | 18.514 | 0.059 | 18.527 | 0.017 | 18.542 | -0.025 |
| 15.309 | 0.045 | 15.322 | 0.045 | 15.334 | 0.080 | 15.343 | 0.037 | 18.557 | -0.025 | 18.575 | -0.025 | 18.589 | -0.025 | 18.603 | 0.052 |
| 15.354 | -0.005 | 15.361 | -0.034 | 15.377 | -0.034 | 15.389 | 0.001 | 18.620 | 0.109 | 18.641 | 0.060 | 18.660 | 0.060 | 18.680 | 0.061 |
| 15.411 | 0.071 | 15.423 | 0.022 | 15.430 | -0.020 | 15.449 | -0.077 | 18.651 | 0.012 | 18.706 | -0.058 | 18.714 | -0.086 | 18.736 | -0.086 |
| 15.482 | -0.119 | 15.496 | -0.077 | 15.503 | -0.049 | 15.520 | -0.113 | 18.745 | -0.086 | 18.763 | -0.149 | 18.775 | -0.113 | 18.796 | -0.007 |
| 15.540 | -0.169 | 15.553 | -0.204 | 15.569 | -0.176 | 15.588 | -0.148 | 18.811 | 0.050 | 18.826 | 0.008 | 18.838 | -0.019 | 18.857 | -0.019 |
| 15.593 | -0.120 | 15.608 | -0.022 | 15.619 | 0.077 | 15.635 | 0.126 | 18.871 | -0.025 | 18.893 | -0.088 | 18.915 | -0.094 | 18.935 | -0.114 |
| 15.641 | 0.168 | 15.657 | 0.231 | 15.678 | 0.253 | 15.685 | 0.260 | 18.962 | -0.071 | 18.981 | -0.028 | 19.014 | -0.028 | 19.026 | -0.020 |
| 15.658 | 0.224 | 15.712 | 0.203 | 15.732 | 0.182 | 15.747 | 0.098 | 19.040 | 0.015 | 19.057 | 0.072 | 19.070 | 0.023 | 19.088 | -0.019 |
| 15.764 | -0.001 | 15.786 | -0.120 | 15.799 | -0.170 | 15.808 | -0.149 | 19.108 | -0.032 | 19.126 | -0.025 | 19.142 | 0.018 | 19.159 | 0.075 |
| 15.824 | -0.092 | 15.836 | -0.064 | 15.847 | -0.099 | 15.856 | -0.141 | 19.177 | 0.054 | 19.158 | 0.005 | 19.218 | -0.008 | 19.236 | -0.008 |
| 15.870 | -0.148 | 15.877 | -0.120 | 15.885 | -0.099 | 15.899 | -0.141 | 19.247 | 0.007 | 19.261 | 0.059 | 19.278 | 0.155 | 19.293 | 0.121 |
| 15.914 | -0.190 | 15.930 | -0.140 | 15.949 | -0.042 | 15.959 | -0.006 | 19.306 | 0.038 | 19.331 | 0.122 | 19.345 | 0.066 | 19.357 | 0.038 |
| 15.966 | 0.001 | 15.985 | 0.001 | 15.995 | 0.022 | 16.004 | 0.064 | 19.369 | 0.038 | 19.381 | 0.081 | 19.393 | 0.116 | 19.405 | 0.081 |
| 16.013 | 0.022 | 16.036 | -0.118 | 16.054 | -0.146 | 16.063 | -0.089 | 19.420 | 0.032 | 19.435 | -0.010 | 19.447 | -0.030 | 19.469 | -0.016 |
| 16.074 | 0.003 | 16.090 | 0.081 | 16.105 | 0.123 | 16.113 | 0.180 | 19.484 | -0.029 | 19.496 | -0.064 | 19.510 | -0.120 | 19.515 | -0.165 |
| 16.133 | 0.279 | 16.141 | 0.335 | 16.158 | 0.254 | 16.171 | 0.245 | 19.531 | -0.136 | 19.546 | -0.147 | 19.559 | -0.105 | 19.573 | -0.055 |
| 16.198 | 0.062 | 16.220 | -0.050 | 16.240 | -0.098 | 16.251 | -0.098 | 19.589 | -0.055 | 19.603 | -0.062 | 19.615 | -0.027 | 19.625 | -0.005 |
| 16.266 | -0.048 | 16.279 | -0.006 | 16.302 | 0.044 | 16.315 | 0.136 | 19.655 | 0.030 | 19.656 | -0.012 | 19.670 | -0.083 | 19.680 | -0.118 |
| 16.334 | 0.284 | 16.348 | 0.390 | 16.359 | 0.426 | 16.369 | 0.384 | 19.695 | -0.139 | 19.720 | -0.103 | 19.739 | -0.054 | 19.758 | -0.018 |
| 16.387 | 0.286 | 16.404 | 0.230 | 16.426 | 0.166 | 16.448 | 0.173 | 19.775 | 0.045 | 19.791 | 0.067 | 19.802 | 0.088 | 19.815 | 0.046 |
| 16.463 | 0.131 | 16.474 | 0.110 | 16.495 | 0.110 | 16.507 | 0.061 | 19.830 | -0.010 | 19.843 | -0.066 | 19.859 | -0.108 | 19.878 | -0.115 |
| 16.520 | -0.010 | 16.535 | -0.066 | 16.543 | -0.094 | 16.552 | -0.122 | 19.903 | -0.136 | 19.917 | -0.114 | 19.933 | -0.093 | 19.946 | -0.121 |
| 16.563 | -0.087 | 16.577 | -0.024 | 16.606 | 0.056 | 16.618 | 0.124 | 19.962 | -0.120 | 19.976 | -0.106 | 19.985 | -0.113 | 20.000 | -0.119 |
| 16.630 | 0.145 | 16.641 | 0.088 | 16.659 | 0.003 | 16.684 | -0.110 | 20.015 | -0.147 | 20.031 | -0.104 | 20.051 | -0.034 | 20.070 | 0.051 |
| 16.694 | -0.166 | 16.709 | -0.209 | 16.717 | -0.244 | 16.735 | -0.244 | 20.068 | 0.038 | 20.102 | 0.021 | 20.117 | 0.017 | 20.131 | 0.039 |
| 16.742 | -0.195 | 16.759 | 0.016 | 16.782 | 0.156 | 16.796 | 0.226 | 20.160 | -0.010 | 20.179 | 0.005 | 20.196 | 0.047 | 20.218 | 0.020 |
| 16.807 | 0.135 | 16.827 | 0.113 | 16.846 | 0.092 | 16.853 | 0.057 | 20.234 | 0.065 | 20.254 | 0.119 | 20.265 | 0.070 | 20.286 | 0.049 |
| 16.872 | -0.070 | 16.892 | -0.197 | 16.922 | -0.218 | 16.939 | -0.261 | 20.258 | 0.084 | 20.309 | 0.134 | 20.322 | 0.169 | 20.332 | 0.113 |
| 16.965 | -0.233 | 16.983 | -0.219 | 16.989 | -0.212 | 17.003 | -0.247 | 20.348 | 0.029 | 20.355 | -0.020 | 20.370 | -0.041 | 20.384 | -0.013 |
| 17.023 | -0.275 | 17.030 | -0.275 | 17.041 | -0.254 | 17.060 | -0.248 | 20.403 | 0.044 | 20.418 | 0.058 | 20.434 | 0.156 | 20.450 | 0.206 |
| 17.077 | -0.234 | 17.089 | -0.234 | 17.105 | -0.142 | 17.117 | -0.107 | 20.471 | 0.185 | 20.486 | 0.122 | 20.501 | 0.094 | 20.528 | 0.066 |
| 17.135 | -0.107 | 17.146 | -0.086 | 17.159 | -0.002 | 17.172 | 0.040 | 20.555 | 0.073 | 20.571 | 0.038 | 20.589 | -0.026 | 20.603 | -0.047 |
| 17.182 | 0.068 | 17.194 | 0.026 | 17.213 | -0.066 | 17.234 | -0.080 | 20.618 | -0.061 | 20.636 | -0.026 | 20.648 | 0.009 | 20.669 | 0.002 |
| 17.244 | 0.101 | 17.263 | 0.151 | 17.277 | 0.116 | 17.289 | 0.074 | 20.689 | 0.002 | 20.700 | -0.055 | 20.715 | -0.057 | 20.730 | -0.097 |
| 17.297 | -0.052 | 17.307 | -0.102 | 17.317 | -0.200 | 17.328 | -0.243 | 20.745 | -0.076 | 20.764 | -0.055 | 20.786 | -0.041 | 20.801 | -0.020 |
| 17.340 | -0.264 | 17.355 | -0.285 | 17.375 | -0.250 | 17.387 | -0.201 | 20.816 | -0.076 | 20.830 | -0.063 | 20.851 | -0.084 | 20.871 | -0.084 |
| 17.405 | -0.117 | 17.419 | -0.053 | 17.438 | 0.151 | 17.447 | 0.228 | 20.852 | -0.091 | 20.920 | -0.084 | 20.927 | -0.027 | 20.940 | 0.071 |
| 17.460 | 0.249 | 17.475 | 0.200 | 17.496 | 0.151 | 17.510 | 0.032 | 20.947 | 0.128 | 20.964 | 0.170 | 20.982 | 0.114 | 20.997 | 0.036 |
| 17.527 | -0.010 | 17.546 | -0.038 | 17.568 | 0.004 | 17.584 | 0.068 | 21.012 | -0.034 | 21.022 | -0.050 | 21.048 | -0.118 | 21.065 | -0.167 |
| 17.600 | 0.089 | 17.616 | 0.124 | 17.639 | 0.132 | 17.655 | 0.160 | 21.084 | -0.195 | 21.095 | -0.132 | 21.117 | -0.082 | 21.132 | -0.040 |
| 17.671 | 0.182 | 17.685 | 0.140 | 17.697 | 0.119 | 17.708 | 0.148 | 21.149 | -0.019 | 21.156 | -0.004 | 21.170 | -0.039 | 21.187 | -0.061 |
| 17.719 | 0.162 | 17.732 | 0.113 | 17.749 | 0.079 | 17.764 | 0.079 | 21.209 | 0.002 | 21.220 | -0.019 | 21.243 | -0.068 | 21.256 | -0.012 |
| 17.774 | 0.100 | 17.789 | 0.122 | 17.798 | 0.143 | 17.810 | 0.094 | 21.278 | 0.023 | 21.291 | -0.019 | 21.308 | -0.083 | 21.319 | -0.111 |
| 17.826 | 0.031 | 17.844 | 0.046 | 17.860 | -0.017 | 17.871 | -0.058 | 21.335 | -0.118 | 21.353 | -0.083 | 21.364 | -0.027 | 21.379 | -0.071 |
| 17.878 | -0.086 | 17.889 | -0.051 | 17.903 | 0.006 | 17.914 | 0.042 | 21.369 | 0.120 | 21.402 | 0.113 | 21.414 | 0.071 | 21.425 | 0.057 |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 21.448 | 0.042 | 21.463 | 0.042 | 21.482 | 0.042 | 21.496 | -0.007 | 24.944 | -0.090 | 24.960 | -0.104 | 24.975 | -0.082 | 24.995 | -0.053 |
| 21.510 | -0.078 | 21.526 | -0.155 | 21.537 | -0.184 | 21.552 | -0.120 | 25.014 | -0.060 | 25.040 | -0.045 | 25.060 | -0.024 | 25.073 | -0.016 |
| 21.571 | -0.050 | 21.579 | -0.015 | 21.605 | -0.015 | 21.617 | 0.013 | 25.051 | -0.040 | 25.107 | -0.079 | 25.120 | -0.107 | 25.133 | -0.079 |
| 21.630 | 0.063 | 21.645 | 0.112 | 21.659 | 0.119 | 21.671 | 0.077 | 25.152 | -0.029 | 25.153 | -0.022 | 25.174 | 0.020 | 25.195 | 0.063 |
| 21.684 | -0.001 | 21.701 | -0.050 | 21.725 | -0.029 | 21.737 | 0.041 | 25.208 | 0.070 | 25.229 | 0.063 | 25.247 | 0.049 | 25.265 | 0.008 |
| 21.753 | 0.063 | 21.767 | 0.077 | 21.783 | 0.070 | 21.796 | 0.041 | 25.284 | 0.015 | 25.297 | 0.050 | 25.306 | 0.057 | 25.319 | 0.030 |
| 21.807 | 0.020 | 21.824 | 0.041 | 21.842 | 0.063 | 21.856 | 0.034 | 25.333 | -0.012 | 25.348 | -0.011 | 25.366 | -0.010 | 25.382 | 0.012 |
| 21.873 | 0.006 | 21.889 | -0.015 | 21.912 | -0.064 | 21.928 | -0.036 | 25.397 | 0.033 | 25.413 | 0.083 | 25.424 | 0.133 | 25.444 | 0.148 |
| 21.949 | 0.027 | 21.965 | 0.070 | 21.983 | 0.091 | 21.996 | 0.098 | 25.465 | 0.156 | 25.482 | 0.143 | 25.502 | 0.035 | 25.517 | 0.035 |
| 22.008 | 0.084 | 22.028 | 0.041 | 22.042 | -0.001 | 22.060 | -0.043 | 25.536 | -0.009 | 25.551 | 0.019 | 25.567 | 0.061 | 25.586 | 0.103 |
| 22.076 | -0.036 | 22.095 | -0.015 | 22.108 | -0.057 | 22.125 | -0.052 | 25.602 | 0.131 | 25.620 | 0.131 | 25.639 | 0.124 | 25.654 | 0.075 |
| 22.140 | -0.113 | 22.156 | -0.085 | 22.175 | -0.029 | 22.195 | 0.070 | 25.671 | 0.053 | 25.689 | 0.032 | 25.708 | -0.011 | 25.729 | -0.018 |
| 22.219 | 0.033 | 22.225 | 0.133 | 22.248 | 0.119 | 22.264 | 0.049 | 25.751 | -0.032 | 25.769 | -0.025 | 25.790 | -0.004 | 25.808 | 0.011 |
| 22.279 | -0.043 | 22.288 | -0.057 | 22.313 | -0.036 | 22.327 | -0.022 | 25.826 | 0.004 | 25.844 | -0.017 | 25.861 | -0.023 | 25.882 | -0.014 |
| 22.337 | -0.057 | 22.349 | -0.071 | 22.358 | -0.092 | 22.380 | -0.050 | 25.906 | -0.013 | 25.926 | -0.004 | 25.946 | 0.033 | 25.964 | 0.041 |
| 22.405 | 0.020 | 22.425 | 0.041 | 22.439 | 0.076 | 22.452 | 0.090 | 25.979 | 0.043 | 25.999 | 0.037 | 26.018 | 0.018 | 26.036 | 0.051 |
| 22.470 | 0.076 | 22.486 | 0.054 | 22.506 | 0.012 | 22.521 | -0.037 | 26.052 | -0.120 | 26.065 | -0.133 | 26.085 | -0.118 | 26.104 | -0.053 |
| 22.536 | -0.115 | 22.553 | -0.150 | 22.570 | -0.101 | 22.582 | -0.073 | 26.124 | -0.037 | 26.143 | -0.031 | 26.161 | -0.074 | 26.177 | -0.102 |
| 22.599 | -0.032 | 22.615 | -0.004 | 22.629 | -0.010 | 22.643 | -0.025 | 26.155 | -0.075 | 26.184 | -0.026 | 26.233 | -0.020 | 26.253 | -0.000 |
| 22.657 | -0.068 | 22.671 | -0.047 | 22.693 | -0.005 | 22.714 | -0.041 | 26.267 | -0.022 | 26.285 | -0.072 | 26.304 | -0.031 | 26.318 | 0.000 |
| 22.739 | -0.013 | 22.749 | -0.041 | 22.767 | -0.091 | 22.778 | -0.119 | 26.331 | 0.017 | 26.352 | 0.009 | 26.372 | 0.044 | 26.389 | 0.058 |
| 22.758 | -0.063 | 22.815 | -0.021 | 22.833 | -0.021 | 22.853 | 0.000 | 26.409 | 0.050 | 26.432 | 0.057 | 26.453 | 0.056 | 26.475 | 0.062 |
| 22.867 | 0.035 | 22.885 | 0.035 | 22.906 | -0.000 | 22.921 | -0.036 | 26.576 | -0.032 | 26.592 | -0.067 | 26.609 | -0.081 | 26.623 | -0.067 |
| 22.942 | -0.001 | 22.962 | 0.028 | 22.981 | 0.070 | 22.991 | 0.064 | 26.641 | -0.017 | 26.660 | -0.002 | 26.679 | -0.001 | 26.698 | 0.056 |
| 23.011 | 0.063 | 23.026 | 0.077 | 23.042 | 0.092 | 23.050 | 0.106 | 26.716 | 0.113 | 26.733 | 0.156 | 26.751 | 0.171 | 26.765 | 0.158 |
| 23.124 | 0.036 | 23.135 | 0.044 | 23.160 | 0.001 | 23.117 | 0.001 | 26.787 | 0.102 | 26.807 | 0.075 | 26.827 | 0.054 | 26.846 | 0.033 |
| 23.162 | 0.002 | 23.181 | -0.040 | 23.198 | -0.004 | 23.208 | 0.003 | 26.867 | 0.069 | 26.887 | 0.057 | 26.908 | 0.054 | 26.931 | 0.105 |
| 23.223 | 0.031 | 23.241 | -0.025 | 23.254 | -0.074 | 23.275 | -0.143 | 26.954 | -0.023 | 27.058 | -0.002 | 27.077 | 0.005 | 27.096 | -0.009 |
| 23.296 | -0.143 | 23.311 | -0.143 | 23.326 | -0.129 | 23.341 | -0.128 | 27.036 | -0.036 | 27.058 | -0.002 | 27.077 | 0.005 | 27.096 | -0.009 |
| 23.358 | -0.121 | 23.366 | -0.107 | 23.379 | -0.086 | 23.395 | -0.107 | 27.111 | -0.017 | 27.129 | 0.012 | 27.146 | 0.033 | 27.165 | 0.040 |
| 23.406 | -0.099 | 23.420 | -0.078 | 23.436 | -0.022 | 23.444 | 0.006 | 27.184 | 0.026 | 27.204 | 0.020 | 27.222 | -0.008 | 27.243 | -0.042 |
| 23.456 | 0.041 | 23.470 | 0.056 | 23.480 | 0.077 | 23.493 | 0.077 | 27.255 | -0.048 | 27.274 | -0.041 | 27.289 | -0.026 | 27.310 | -0.046 |
| 23.511 | 0.058 | 23.525 | 0.105 | 23.537 | 0.049 | 23.557 | -0.056 | 27.332 | -0.067 | 27.357 | -0.059 | 27.375 | -0.044 | 27.403 | 0.006 |
| 23.575 | -0.119 | 23.592 | -0.161 | 23.605 | -0.111 | 23.618 | -0.054 | 27.423 | 0.002 | 27.440 | 0.035 | 27.461 | 0.014 | 27.481 | 0.000 |
| 23.634 | -0.004 | 23.652 | -0.031 | 23.673 | -0.059 | 23.700 | -0.079 | 27.455 | 0.000 | 27.521 | 0.008 | 27.543 | 0.015 | 27.565 | 0.015 |
| 23.720 | -0.072 | 23.732 | -0.051 | 23.741 | -0.036 | 23.757 | -0.057 | 27.589 | 0.016 | 27.609 | 0.035 | 27.625 | -0.018 | 27.641 | -0.011 |
| 23.769 | -0.064 | 23.775 | -0.036 | 23.794 | -0.021 | 23.808 | -0.049 | 27.660 | 0.039 | 27.680 | 0.035 | 27.701 | 0.047 | 27.723 | 0.026 |
| 23.821 | -0.105 | 23.831 | -0.112 | 23.842 | -0.119 | 23.851 | -0.111 | 27.746 | 0.026 | 27.764 | 0.019 | 27.778 | -0.001 | 27.796 | -0.050 |
| 23.859 | -0.118 | 23.872 | -0.069 | 23.881 | -0.026 | 23.897 | -0.012 | 27.814 | -0.085 | 27.835 | -0.071 | 27.853 | -0.042 | 27.868 | 0.001 |
| 23.915 | -0.012 | 23.932 | -0.011 | 23.948 | 0.018 | 23.960 | 0.025 | 27.888 | 0.015 | 27.911 | 0.023 | 27.935 | 0.031 | 27.952 | 0.039 |
| 23.976 | 0.012 | 23.997 | 0.013 | 24.016 | 0.014 | 24.032 | 0.015 | 27.958 | 0.026 | 27.985 | -0.004 | 28.006 | -0.042 | 28.026 | -0.034 |
| 24.052 | 0.058 | 24.070 | 0.066 | 24.077 | 0.073 | 24.091 | 0.038 | 28.044 | -0.004 | 28.065 | -0.004 | 28.083 | -0.011 | 28.104 | 0.026 |
| 24.108 | -0.003 | 24.124 | 0.004 | 24.142 | 0.012 | 24.152 | 0.020 | 28.124 | 0.015 | 28.142 | -0.022 | 28.161 | -0.001 | 28.180 | 0.020 |
| 24.168 | 0.020 | 24.181 | 0.007 | 24.199 | 0.028 | 24.214 | 0.050 | 28.199 | 0.001 | 28.216 | 0.020 | 28.234 | -0.008 | 28.255 | -0.008 |
| 24.223 | 0.057 | 24.237 | 0.030 | 24.252 | 0.016 | 24.266 | 0.031 | 28.272 | -0.001 | 28.294 | -0.015 | 28.319 | -0.009 | 28.341 | 0.005 |
| 24.283 | 0.074 | 24.297 | 0.095 | 24.312 | 0.068 | 24.329 | 0.033 | 28.358 | 0.033 | 28.375 | 0.047 | 28.391 | 0.032 | 28.406 | -0.003 |
| 24.347 | 0.027 | 24.363 | 0.041 | 24.382 | 0.091 | 24.397 | 0.120 | 28.424 | -0.011 | 28.443 | 0.002 | 28.461 | 0.023 | 28.482 | 0.036 |
| 24.416 | 0.120 | 24.435 | 0.114 | 24.450 | 0.072 | 24.461 | 0.058 | 28.502 | 0.042 | 28.517 | 0.013 | 28.537 | -0.015 | 28.554 | 0.006 |
| 24.475 | 0.072 | 24.487 | 0.087 | 24.505 | 0.073 | 24.517 | 0.038 | 28.573 | 0.034 | 28.586 | 0.034 | 28.604 | 0.019 | 28.621 | -0.009 |
| 24.541 | 0.023 | 24.559 | 0.002 | 24.578 | -0.005 | 24.593 | 0.002 | 28.641 | -0.016 | 28.661 | -0.002 | 28.682 | -0.008 | 28.701 | -0.014 |
| 24.603 | 0.030 | 24.618 | 0.015 | 24.640 | 0.015 | 24.659 | -0.006 | 28.721 | 0.008 | 28.742 | 0.030 | 28.759 | 0.038 | 28.779 | 0.032 |
| 24.681 | -0.035 | 24.700 | -0.021 | 24.717 | -0.007 | 24.732 | -0.042 | 28.796 | 0.026 | 28.814 | 0.024 | 28.833 | 0.063 | 28.859 | 0.071 |
| 24.748 | -0.057 | 24.767 | -0.029 | 24.785 | 0.034 | 24.801 | -0.112 | 28.872 | 0.019 | 28.892 | 0.011 | 28.910 | 0.130 | 28.922 | 0.131 |
| 24.812 | 0.126 | 24.825 | 0.098 | 24.839 | 0.028 | 24.855 | -0.035 | 28.937 | 0.110 | 28.952 | 0.082 | 28.968 | 0.054 | 28.983 | 0.033 |
| 24.872 | -0.042 | 24.890 | -0.028 | 24.905 | 0.001 | 24.924 | -0.034 | 29.003 | 0.005 | 29.020 | 0.005 | 29.036 | 0.041 | 29.060 | 0.076 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 29.078 | 0.083 | 29.095 | 0.055 | 29.113 | 0.027 | 29.134 | 0.006 | 33.152 | -0.004 | 33.174 | 0.011 | 33.198 | 0.012 | 33.222 | 0.019 |
| 29.150 | 0.006 | 29.165 | 0.006 | 29.183 | 0.012 | 29.202 | -0.002 | 33.243 | 0.006 | 33.263 | -0.022 | 33.282 | -0.036 | 33.302 | -0.043 |
| 29.222 | -0.016 | 29.242 | -0.016 | 29.261 | -0.038 | 29.280 | -0.017 | 33.323 | -0.007 | 33.341 | 0.014 | 33.359 | 0.049 | 33.379 | 0.059 |
| 29.300 | -0.010 | 29.322 | -0.025 | 29.341 | -0.025 | 29.359 | -0.019 | 33.398 | 0.059 | 33.418 | 0.085 | 33.439 | 0.064 | 33.459 | 0.042 |
| 29.375 | -0.005 | 29.392 | -0.005 | 29.413 | -0.020 | 29.431 | -0.006 | 33.480 | 0.021 | 33.500 | -0.021 | 33.518 | -0.057 | 33.534 | -0.057 |
| 29.450 | -0.013 | 29.470 | -0.014 | 29.490 | -0.020 | 29.512 | -0.021 | 33.550 | -0.043 | 33.567 | -0.001 | 33.584 | -0.001 | 33.601 | 0.027 |
| 29.536 | -0.029 | 29.557 | -0.036 | 29.578 | -0.043 | 29.600 | -0.036 | 33.615 | 0.034 | 33.632 | 0.013 | 33.650 | 0.013 | 33.680 | -0.014 |
| 29.621 | -0.028 | 29.643 | 0.007 | 29.662 | 0.044 | 29.684 | 0.071 | 33.767 | -0.048 | 33.785 | -0.034 | 33.804 | -0.005 | 33.824 | 0.052 |
| 29.703 | 0.050 | 29.717 | 0.037 | 29.733 | 0.064 | 29.755 | 0.066 | 33.839 | -0.028 | 33.854 | 0.102 | 33.872 | 0.088 | 33.890 | 0.046 |
| 29.772 | 0.074 | 29.790 | 0.053 | 29.808 | 0.026 | 29.825 | 0.019 | 33.905 | -0.017 | 33.922 | -0.066 | 33.937 | -0.045 | 33.954 | -0.009 |
| 29.843 | 0.020 | 29.860 | -0.029 | 29.878 | -0.077 | 29.892 | -0.091 | 33.969 | -0.009 | 33.985 | -0.037 | 34.001 | -0.065 | 34.017 | -0.093 |
| 29.910 | -0.065 | 29.926 | -0.055 | 29.946 | -0.005 | 29.966 | 0.024 | 34.034 | 0.065 | 34.052 | -0.015 | 34.069 | 0.034 | 34.085 | 0.076 |
| 29.981 | 0.039 | 30.002 | 0.054 | 30.020 | 0.054 | 30.042 | 0.054 | 34.104 | 0.035 | 34.120 | 0.001 | 34.137 | -0.055 | 34.147 | -0.076 |
| 30.060 | 0.068 | 30.076 | 0.054 | 30.095 | 0.040 | 30.115 | 0.061 | 34.166 | -0.033 | 34.183 | 0.024 | 34.200 | 0.095 | 34.215 | 0.124 |
| 30.135 | 0.075 | 30.155 | 0.075 | 30.172 | 0.039 | 30.189 | 0.045 | 34.228 | 0.104 | 34.245 | 0.077 | 34.263 | 0.076 | 34.282 | 0.066 |
| 30.204 | -0.012 | 30.221 | -0.005 | 30.238 | 0.068 | 30.254 | 0.036 | 34.297 | 0.081 | 34.311 | 0.103 | 34.326 | 0.076 | 34.341 | 0.066 |
| 30.271 | 0.056 | 30.287 | 0.042 | 30.300 | 0.048 | 30.318 | 0.034 | 34.354 | -0.021 | 34.370 | 0.001 | 34.385 | 0.015 | 34.402 | 0.008 |
| 30.333 | 0.027 | 30.348 | 0.035 | 30.361 | 0.069 | 30.379 | 0.033 | 34.420 | -0.006 | 34.439 | -0.006 | 34.455 | -0.034 | 34.476 | -0.034 |
| 30.394 | 0.026 | 30.414 | 0.054 | 30.433 | 0.054 | 30.450 | 0.047 | 34.454 | -0.041 | 34.507 | -0.033 | 34.521 | -0.040 | 34.536 | -0.005 |
| 30.468 | 0.083 | 30.484 | 0.105 | 30.500 | 0.099 | 30.512 | 0.113 | 34.549 | 0.051 | 34.555 | 0.100 | 34.568 | 0.114 | 34.578 | 0.086 |
| 30.527 | 0.086 | 30.543 | 0.058 | 30.559 | 0.038 | 30.572 | 0.024 | 34.593 | 0.022 | 34.607 | 0.007 | 34.619 | 0.021 | 34.634 | 0.056 |
| 30.589 | 0.053 | 30.605 | 0.067 | 30.623 | 0.047 | 30.643 | 0.047 | 34.650 | 0.118 | 34.666 | 0.057 | 34.681 | 0.040 | 34.697 | -0.016 |
| 30.664 | 0.013 | 30.685 | -0.015 | 30.705 | -0.036 | 30.726 | -0.028 | 34.715 | -0.051 | 34.728 | -0.016 | 34.741 | 0.020 | 34.753 | 0.034 |
| 30.740 | -0.021 | 30.758 | -0.014 | 30.776 | 0.000 | 30.793 | 0.036 | 34.767 | 0.006 | 34.782 | -0.021 | 34.798 | -0.007 | 34.820 | -0.034 |
| 30.810 | 0.064 | 30.828 | 0.050 | 30.848 | -0.044 | 30.864 | 0.016 | 34.835 | -0.005 | 34.853 | 0.060 | 34.865 | 0.075 | 34.887 | 0.055 |
| 30.887 | -0.012 | 30.905 | -0.046 | 30.925 | -0.074 | 30.943 | -0.059 | 34.905 | 0.028 | 34.922 | 0.008 | 34.936 | -0.047 | 34.949 | -0.061 |
| 30.962 | -0.038 | 30.980 | -0.031 | 30.994 | -0.037 | 31.015 | -0.037 | 34.962 | -0.074 | 34.978 | 0.012 | 34.994 | -0.039 | 35.007 | -0.035 |
| 31.031 | -0.030 | 31.050 | -0.058 | 31.063 | -0.065 | 31.081 | -0.057 | 35.032 | 0.029 | 35.051 | 0.010 | 35.067 | -0.039 | 35.083 | -0.059 |
| 31.057 | -0.029 | 31.113 | 0.098 | 31.128 | -0.001 | 31.146 | 0.035 | 35.058 | -0.023 | 35.115 | -0.024 | 35.127 | 0.042 | 35.145 | 0.015 |
| 31.165 | 0.035 | 31.179 | 0.021 | 31.193 | -0.035 | 31.209 | -0.056 | 35.161 | -0.028 | 35.179 | -0.042 | 35.195 | -0.042 | 35.215 | -0.007 |
| 31.227 | -0.042 | 31.246 | -0.006 | 31.266 | 0.029 | 31.287 | 0.044 | 35.233 | 0.023 | 35.253 | -0.008 | 35.272 | 0.041 | 35.286 | 0.054 |
| 31.306 | 0.044 | 31.327 | 0.051 | 31.345 | 0.030 | 31.363 | -0.005 | 35.308 | 0.039 | 35.328 | 0.038 | 35.350 | 0.030 | 35.371 | 0.036 |
| 31.383 | -0.019 | 31.401 | -0.004 | 31.423 | 0.017 | 31.442 | 0.045 | 35.354 | 0.015 | 35.414 | -0.021 | 35.434 | 0.000 | 35.450 | 0.021 |
| 31.460 | 0.052 | 31.479 | 0.052 | 31.494 | 0.045 | 31.507 | 0.038 | 35.466 | -0.007 | 35.487 | -0.007 | 35.509 | 0.006 | 35.531 | 0.021 |
| 31.521 | 0.010 | 31.537 | 0.010 | 31.551 | 0.024 | 31.566 | 0.052 | 35.555 | 0.028 | 35.575 | 0.028 | 35.594 | 0.021 | 35.619 | 0.050 |
| 31.578 | 0.017 | 31.594 | -0.004 | 31.609 | -0.017 | 31.625 | -0.003 | 35.633 | 0.050 | 35.656 | 0.029 | 35.679 | 0.044 | 35.696 | 0.023 |
| 31.638 | 0.018 | 31.653 | 0.018 | 31.671 | 0.018 | 31.684 | 0.012 | 35.714 | -0.033 | 35.730 | -0.019 | 35.745 | 0.010 | 35.770 | 0.045 |
| 31.700 | -0.009 | 31.719 | -0.016 | 31.741 | -0.009 | 31.759 | 0.005 | 35.788 | 0.024 | 35.808 | 0.018 | 35.830 | 0.025 | 35.845 | 0.018 |
| 31.776 | 0.006 | 31.792 | 0.027 | 31.811 | 0.020 | 31.830 | 0.020 | 35.863 | 0.047 | 35.876 | 0.075 | 35.889 | 0.054 | 35.908 | 0.026 |
| 31.848 | -0.001 | 31.867 | -0.021 | 31.886 | -0.014 | 31.907 | -0.014 | 35.926 | 0.033 | 35.947 | 0.061 | 35.964 | 0.040 | 35.978 | 0.026 |
| 31.924 | 0.008 | 31.942 | 0.008 | 31.961 | 0.001 | 31.979 | 0.001 | 35.952 | 0.005 | 36.007 | -0.016 | 36.017 | -0.015 | 36.030 | 0.013 |
| 31.996 | 0.016 | 32.013 | 0.023 | 32.029 | 0.010 | 32.050 | 0.010 | 36.040 | 0.048 | 36.061 | 0.055 | 36.062 | 0.055 | 36.073 | 0.055 |
| 32.066 | 0.018 | 32.087 | 0.011 | 32.107 | 0.026 | 32.123 | 0.019 | 36.084 | 0.062 | 36.096 | 0.063 | 36.106 | 0.070 | 36.117 | 0.077 |
| 32.141 | 0.005 | 32.158 | -0.001 | 32.176 | -0.008 | 32.196 | -0.007 | 36.127 | 0.063 | 36.137 | 0.056 | 36.144 | 0.034 | 36.154 | 0.027 |
| 32.214 | 0.000 | 32.229 | -0.042 | 32.248 | -0.034 | 32.270 | -0.041 | 36.163 | 0.013 | 36.171 | -0.008 | 36.176 | -0.015 | 36.185 | -0.015 |
| 32.288 | -0.019 | 32.304 | 0.004 | 32.315 | 0.017 | 32.333 | 0.003 | 36.195 | -0.022 | 36.204 | -0.008 | 36.213 | 0.006 | 36.224 | 0.020 |
| 32.352 | 0.003 | 32.370 | 0.006 | 32.386 | -0.010 | 32.403 | 0.019 | 36.229 | 0.034 | 36.238 | 0.049 | 36.247 | 0.063 | 36.256 | 0.077 |
| 32.420 | 0.040 | 32.437 | 0.054 | 32.458 | 0.068 | 32.479 | 0.055 | 36.263 | 0.084 | 36.270 | 0.058 | 36.278 | 0.058 | 36.286 | 0.091 |
| 32.500 | 0.048 | 32.517 | 0.020 | 32.535 | -0.028 | 32.555 | -0.022 | 36.294 | 0.058 | 36.299 | 0.051 | 36.310 | 0.084 | 36.313 | 0.056 |
| 32.573 | 0.014 | 32.590 | 0.007 | 32.609 | 0.008 | 32.626 | 0.001 | 36.320 | 0.041 | 36.327 | 0.027 | 36.334 | 0.020 | 36.341 | 0.034 |
| 32.651 | 0.002 | 32.675 | 0.010 | 32.695 | 0.010 | 32.714 | 0.025 | 36.352 | 0.041 | 36.359 | 0.049 | 36.370 | 0.034 | 36.378 | 0.020 |
| 32.733 | 0.040 | 32.753 | 0.070 | 32.774 | 0.050 | 32.794 | 0.086 | 36.386 | 0.013 | 36.392 | 0.006 | 36.403 | -0.001 | 36.414 | -0.001 |
| 32.812 | 0.073 | 32.831 | 0.059 | 32.854 | 0.073 | 32.874 | 0.066 | 36.423 | 0.020 | 36.435 | 0.034 | 36.448 | 0.034 | 36.459 | 0.041 |
| 32.894 | 0.058 | 32.913 | 0.044 | 32.933 | 0.023 | 32.954 | 0.016 | 36.468 | 0.034 | 36.475 | 0.034 | 36.485 | 0.034 | 36.494 | 0.013 |
| 32.977 | 0.015 | 32.996 | 0.000 | 33.017 | 0.007 | 33.036 | -0.001 | 36.503 | -0.022 | 36.514 | -0.026 | 36.527 | -0.071 | 36.540 | -0.085 |
| 33.055 | -0.002 | 33.083 | -0.003 | 33.109 | -0.011 | 33.132 | -0.004 | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 36.550 | -0.078 | 36.563 | -0.063 | 36.575 | -0.049 | 36.585 | -0.035 | 39.646 | -0.008 | 39.666 | 0.006 | 39.676 | 0.021 | 39.701 | 0.028 |
| 36.556 | -0.021 | 36.609 | -0.007 | 36.621 | -0.007 | 36.635 | -0.006 | 39.712 | 0.036 | 39.726 | 0.029 | 39.743 | 0.022 | 39.762 | 0.016 |
| 36.560 | 0.008 | 36.666 | 0.008 | 36.682 | 0.022 | 36.692 | 0.022 | 39.780 | 0.002 | 39.792 | 0.005 | 39.807 | 0.005 | 39.820 | 0.018 |
| 36.701 | 0.036 | 36.710 | 0.029 | 36.719 | 0.023 | 36.728 | 0.009 | 39.829 | -0.032 | 39.840 | -0.032 | 39.854 | -0.039 | 39.862 | 0.018 |
| 36.737 | 0.002 | 36.740 | 0.002 | 36.753 | 0.023 | 36.767 | 0.038 | 39.871 | 0.010 | 39.880 | 0.024 | 39.889 | 0.045 | 39.903 | 0.045 |
| 36.778 | 0.031 | 36.785 | 0.017 | 36.796 | 0.003 | 36.808 | 0.018 | 39.917 | 0.045 | 39.930 | 0.038 | 39.942 | 0.038 | 39.953 | 0.024 |
| 36.819 | -0.025 | 36.832 | -0.025 | 36.843 | -0.010 | 36.855 | 0.025 | 39.967 | -0.004 | 39.981 | -0.025 | 39.994 | -0.032 | 40.012 | -0.054 |
| 36.865 | 0.060 | 36.874 | 0.082 | 36.882 | 0.089 | 36.892 | 0.082 | 40.024 | -0.047 | 40.040 | -0.035 | 40.054 | -0.011 | 40.067 | 0.003 |
| 36.899 | 0.047 | 36.911 | 0.012 | 36.922 | 0.009 | 36.933 | 0.016 | 40.079 | 0.024 | 40.088 | 0.038 | 40.098 | 0.052 | 40.111 | 0.052 |
| 36.946 | 0.005 | 36.958 | 0.019 | 36.973 | 0.019 | 36.988 | 0.034 | 40.120 | 0.038 | 40.139 | 0.024 | 40.158 | 0.024 | 40.171 | 0.038 |
| 37.008 | 0.041 | 37.026 | 0.027 | 37.044 | 0.020 | 37.058 | 0.001 | 40.191 | 0.030 | 40.216 | 0.023 | 40.226 | 0.023 | 40.239 | 0.016 |
| 37.072 | -0.015 | 37.082 | -0.015 | 37.092 | -0.001 | 37.102 | 0.013 | 40.254 | -0.005 | 40.270 | 0.001 | 40.288 | 0.001 | 40.306 | -0.013 |
| 37.116 | 0.027 | 37.129 | 0.027 | 37.144 | 0.027 | 37.160 | 0.012 | 40.319 | -0.006 | 40.334 | -0.006 | 40.344 | 0.008 | 40.357 | 0.016 |
| 37.168 | 0.012 | 37.177 | 0.012 | 37.188 | 0.012 | 37.201 | 0.002 | 40.372 | 0.023 | 40.388 | 0.023 | 40.404 | 0.037 | 40.416 | 0.030 |
| 37.214 | -0.016 | 37.226 | -0.030 | 37.242 | -0.024 | 37.254 | -0.017 | 40.431 | 0.024 | 40.439 | 0.003 | 40.452 | 0.010 | 40.472 | 0.010 |
| 37.265 | -0.003 | 37.277 | 0.011 | 37.288 | 0.039 | 37.295 | 0.053 | 40.486 | 0.017 | 40.495 | 0.018 | 40.514 | 0.025 | 40.525 | 0.054 |
| 37.314 | 0.045 | 37.332 | 0.038 | 37.352 | 0.023 | 37.368 | 0.008 | 40.539 | 0.061 | 40.552 | 0.063 | 40.564 | 0.058 | 40.580 | 0.057 |
| 37.387 | -0.006 | 37.401 | -0.007 | 37.418 | -0.035 | 37.430 | -0.050 | 40.593 | 0.091 | 40.608 | 0.065 | 40.619 | 0.071 | 40.632 | 0.057 |
| 37.466 | -0.043 | 37.459 | -0.022 | 37.468 | -0.008 | 37.482 | 0.005 | 40.648 | 0.058 | 40.662 | 0.065 | 40.678 | 0.065 | 40.692 | 0.065 |
| 37.501 | -0.002 | 37.516 | -0.016 | 37.527 | -0.038 | 37.537 | -0.038 | 40.710 | 0.058 | 40.728 | 0.044 | 40.747 | 0.045 | 40.764 | 0.052 |
| 37.553 | -0.024 | 37.568 | 0.004 | 37.585 | 0.003 | 37.604 | -0.004 | 40.778 | 0.045 | 40.790 | 0.031 | 40.803 | 0.010 | 40.817 | 0.011 |
| 37.620 | -0.011 | 37.634 | -0.025 | 37.647 | -0.039 | 37.660 | -0.039 | 40.829 | 0.032 | 40.848 | 0.026 | 40.862 | 0.026 | 40.878 | 0.027 |
| 37.669 | -0.046 | 37.684 | -0.053 | 37.698 | -0.039 | 37.714 | -0.017 | 40.888 | 0.020 | 40.903 | 0.028 | 40.921 | 0.021 | 40.940 | 0.015 |
| 37.728 | -0.003 | 37.742 | 0.004 | 37.756 | 0.004 | 37.771 | -0.003 | 40.957 | 0.023 | 40.977 | 0.024 | 40.988 | 0.017 | 41.006 | 0.011 |
| 37.787 | 0.034 | 37.797 | 0.005 | 37.810 | 0.033 | 37.823 | 0.034 | 41.020 | 0.005 | 41.036 | 0.013 | 41.049 | 0.014 | 41.067 | 0.022 |
| 37.840 | 0.008 | 37.851 | 0.034 | 37.868 | 0.021 | 37.884 | 0.021 | 41.063 | 0.030 | 41.078 | 0.031 | 41.113 | 0.038 | 41.129 | 0.046 |
| 37.857 | 0.008 | 37.862 | 0.008 | 37.874 | 0.045 | 37.890 | 0.037 | 41.141 | 0.060 | 41.156 | 0.054 | 41.170 | 0.040 | 41.191 | 0.034 |
| 38.004 | 0.040 | 38.015 | 0.026 | 38.026 | 0.019 | 38.041 | 0.020 | 41.205 | 0.013 | 41.224 | 0.014 | 41.234 | -0.007 | 41.247 | 0.007 |
| 38.054 | 0.035 | 38.065 | 0.049 | 38.085 | 0.057 | 38.102 | 0.051 | 41.262 | 0.022 | 41.275 | 0.036 | 41.293 | 0.029 | 41.305 | 0.022 |
| 38.115 | 0.044 | 38.126 | 0.023 | 38.142 | 0.017 | 38.165 | 0.017 | 41.371 | -0.005 | 41.384 | -0.012 | 41.398 | -0.012 | 41.411 | -0.012 |
| 38.182 | 0.004 | 38.201 | -0.003 | 38.220 | 0.004 | 38.235 | 0.033 | 41.425 | -0.019 | 41.435 | -0.025 | 41.454 | -0.026 | 41.465 | -0.040 |
| 38.247 | 0.040 | 38.259 | 0.033 | 38.267 | 0.034 | 38.284 | 0.020 | 41.477 | -0.033 | 41.492 | -0.026 | 41.505 | -0.026 | 41.521 | -0.019 |
| 38.301 | 0.034 | 38.316 | 0.056 | 38.330 | 0.077 | 38.343 | 0.077 | 41.539 | -0.027 | 41.557 | -0.034 | 41.572 | -0.027 | 41.587 | -0.020 |
| 38.340 | 0.034 | 38.372 | 0.056 | 38.387 | 0.041 | 38.407 | 0.034 | 41.602 | -0.020 | 41.618 | -0.034 | 41.633 | -0.048 | 41.649 | -0.034 |
| 38.430 | 0.049 | 38.448 | 0.041 | 38.468 | 0.041 | 38.479 | 0.041 | 41.665 | -0.027 | 41.682 | -0.027 | 41.696 | -0.020 | 41.708 | -0.013 |
| 38.467 | 0.022 | 38.502 | 0.041 | 38.514 | -0.001 | 38.528 | -0.015 | 41.728 | -0.027 | 41.740 | -0.027 | 41.755 | -0.013 | 41.769 | -0.013 |
| 38.531 | -0.022 | 38.553 | -0.022 | 38.566 | -0.015 | 38.577 | 0.020 | 41.787 | -0.013 | 41.800 | -0.027 | 41.810 | -0.041 | 41.824 | -0.026 |
| 38.587 | 0.049 | 38.597 | 0.077 | 38.609 | 0.070 | 38.619 | 0.070 | 41.840 | -0.012 | 41.856 | -0.012 | 41.872 | 0.002 | 41.888 | 0.017 |
| 38.637 | 0.049 | 38.650 | 0.034 | 38.664 | 0.013 | 38.676 | 0.013 | 41.905 | 0.038 | 41.920 | 0.038 | 41.933 | 0.045 | 41.948 | 0.045 |
| 38.692 | 0.013 | 38.705 | 0.020 | 38.719 | 0.027 | 38.729 | 0.041 | 41.960 | 0.044 | 41.973 | 0.030 | 41.985 | 0.030 | 41.998 | 0.009 |
| 38.766 | 0.041 | 38.763 | 0.034 | 38.776 | 0.027 | 38.791 | 0.006 | 42.013 | -0.020 | 42.024 | -0.034 | 42.044 | -0.034 | 42.050 | -0.020 |
| 38.807 | -0.001 | 38.824 | -0.008 | 38.837 | -0.008 | 38.853 | -0.008 | 42.065 | 0.001 | 42.072 | 0.022 | 42.084 | 0.043 | 42.103 | 0.043 |
| 38.854 | 0.006 | 38.881 | 0.034 | 38.892 | 0.049 | 38.902 | 0.063 | 42.118 | 0.050 | 42.133 | 0.044 | 42.151 | 0.044 | 42.167 | 0.065 |
| 38.913 | 0.063 | 38.926 | 0.041 | 38.938 | -0.008 | 38.951 | -0.036 | 42.177 | 0.059 | 42.190 | 0.088 | 42.209 | 0.082 | 42.231 | 0.076 |
| 38.944 | -0.057 | 38.981 | -0.078 | 38.997 | -0.057 | 39.015 | -0.050 | 42.255 | 0.078 | | | | | | |
| 39.035 | -0.035 | 39.058 | -0.042 | 39.069 | -0.021 | 39.077 | -0.007 | | | | | | | | |
| 39.090 | 0.014 | 39.101 | 0.007 | 39.122 | 0.008 | 39.147 | 0.008 | | | | | | | | |
| 39.170 | 0.008 | 39.192 | 0.009 | 39.219 | -0.005 | 39.228 | 0.009 | | | | | | | | |
| 39.240 | 0.003 | 39.250 | 0.010 | 39.266 | 0.017 | 39.281 | 0.011 | | | | | | | | |
| 39.293 | 0.004 | 39.304 | 0.011 | 39.321 | 0.011 | 39.336 | 0.012 | | | | | | | | |
| 39.350 | 0.012 | 39.361 | 0.019 | 39.372 | 0.013 | 39.382 | -0.001 | | | | | | | | |
| 39.395 | -0.022 | 39.407 | -0.029 | 39.422 | -0.029 | 39.439 | -0.014 | | | | | | | | |
| 39.458 | -0.014 | 39.475 | -0.006 | 39.490 | 0.001 | 39.507 | 0.009 | | | | | | | | |
| 39.523 | -0.012 | 39.539 | 0.003 | 39.556 | 0.003 | 39.571 | -0.011 | | | | | | | | |
| 39.584 | -0.010 | 39.602 | -0.017 | 39.619 | -0.016 | 39.634 | -0.023 | | | | | | | | |

71.165 2/9/71 0600PST HOLLYWOOD 1760 N.ORCHID AVE. G.FL. UP

3410 POINTS 42.259 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC. G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1342 G/10.

[illegible]

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 2.192 | -0.091 | 2.201 | 0.082 | 2.206 | 0.123 | 2.215 | 0.164 | 3.802 | -0.112 | 3.808 | -0.218 | 3.814 | -0.254 | 3.823 | -0.186 |
| 2.219 | 0.137 | 2.229 | 0.018 | 2.237 | -0.006 | 2.243 | 0.022 | 3.830 | -0.103 | 3.838 | -0.062 | 3.845 | -0.003 | 3.855 | 0.061 |
| 2.252 | 0.072 | 2.258 | 0.035 | 2.266 | -0.071 | 2.275 | -0.094 | 3.864 | 0.166 | 3.869 | 0.221 | 3.875 | 0.249 | 3.882 | 0.203 |
| 2.281 | -0.053 | 2.286 | -0.016 | 2.291 | 0.015 | 2.297 | -0.064 | 3.892 | 0.111 | 3.897 | -0.003 | 3.906 | -0.044 | 3.911 | -0.063 |
| 2.307 | -0.109 | 2.315 | -0.141 | 2.322 | -0.114 | 2.330 | -0.064 | 3.924 | 0.019 | 3.932 | 0.006 | 3.941 | -0.013 | 3.948 | -0.091 |
| 2.336 | -0.119 | 2.343 | -0.206 | 2.349 | -0.234 | 2.355 | -0.170 | 3.956 | 0.328 | 3.960 | -0.415 | 3.965 | -0.457 | 3.969 | -0.393 |
| 2.361 | -0.106 | 2.370 | -0.070 | 2.375 | -0.116 | 2.383 | -0.134 | 3.974 | -0.260 | 3.981 | -0.114 | 3.987 | -0.055 | 3.992 | -0.100 |
| 2.388 | -0.089 | 2.395 | 0.011 | 2.402 | 0.066 | 2.406 | 0.011 | 4.002 | -0.183 | 4.005 | -0.210 | 4.010 | -0.146 | 4.017 | -0.087 |
| 2.418 | -0.081 | 2.426 | -0.113 | 2.442 | -0.086 | 2.447 | -0.119 | 4.028 | -0.092 | 4.038 | -0.000 | 4.040 | 0.027 | 4.051 | 0.050 |
| 2.453 | -0.160 | 2.460 | -0.128 | 2.472 | -0.092 | 2.483 | -0.124 | 4.061 | 0.082 | 4.070 | 0.036 | 4.078 | -0.001 | 4.084 | 0.044 |
| 2.488 | -0.138 | 2.494 | -0.120 | 2.506 | -0.157 | 2.514 | -0.148 | 4.098 | 0.071 | 4.098 | 0.071 | 4.106 | 0.035 | 4.118 | 0.094 |
| 2.520 | -0.084 | 2.527 | 0.012 | 2.534 | 0.085 | 2.549 | 0.103 | 4.124 | 0.039 | 4.136 | -0.030 | 4.142 | -0.049 | 4.153 | 0.001 |
| 2.555 | 0.162 | 2.558 | 0.185 | 2.562 | 0.157 | 2.570 | 0.088 | 4.161 | -0.031 | 4.175 | -0.022 | 4.190 | 0.000 | 4.198 | 0.023 |
| 2.575 | 0.061 | 2.582 | 0.111 | 2.590 | 0.156 | 2.598 | 0.138 | 4.210 | 0.132 | 4.222 | 0.173 | 4.222 | 0.113 | 4.231 | -0.015 |
| 2.605 | 0.128 | 2.616 | -0.100 | 2.619 | -0.151 | 2.625 | -0.114 | 4.236 | -0.047 | 4.243 | 0.003 | 4.249 | 0.058 | 4.252 | 0.086 |
| 2.631 | -0.087 | 2.642 | -0.151 | 2.646 | -0.119 | 2.657 | -0.046 | 4.259 | 0.035 | 4.267 | -0.034 | 4.274 | 0.021 | 4.279 | 0.094 |
| 2.662 | -0.074 | 2.668 | -0.120 | 2.674 | -0.147 | 2.678 | -0.083 | 4.282 | 0.126 | 4.287 | 0.094 | 4.297 | -0.093 | 4.304 | -0.148 |
| 2.689 | 0.058 | 2.698 | 0.127 | 2.708 | 0.099 | 2.712 | 0.081 | 4.310 | -0.085 | 4.322 | 0.116 | 4.326 | 0.167 | 4.334 | 0.125 |
| 2.718 | 0.136 | 2.723 | 0.190 | 2.729 | 0.140 | 2.734 | 0.099 | 4.341 | 0.075 | 4.349 | 0.148 | 4.356 | 0.267 | 4.359 | 0.313 |
| 2.739 | -0.021 | 2.746 | 0.089 | 2.753 | 0.140 | 2.762 | 0.089 | 4.366 | 0.217 | 4.374 | 0.144 | 4.379 | 0.057 | 4.384 | 0.026 |
| 2.770 | -0.071 | 2.775 | -0.039 | 2.782 | 0.025 | 2.788 | 0.066 | 4.392 | 0.084 | 4.400 | 0.144 | 4.406 | 0.098 | 4.418 | -0.103 |
| 2.793 | 0.034 | 2.801 | -0.113 | 2.807 | -0.222 | 2.810 | -0.250 | 4.425 | -0.199 | 4.434 | -0.286 | 4.440 | -0.368 | 4.447 | -0.410 |
| 2.816 | -0.190 | 2.823 | 0.038 | 2.831 | 0.134 | 2.839 | 0.088 | 4.452 | -0.346 | 4.462 | -0.272 | 4.470 | -0.250 | 4.479 | -0.190 |
| 2.845 | -0.070 | 2.851 | 0.115 | 2.855 | 0.161 | 2.862 | 0.197 | 4.484 | -0.140 | 4.495 | -0.144 | 4.505 | -0.126 | 4.511 | -0.117 |
| 2.867 | 0.115 | 2.876 | -0.024 | 2.878 | -0.036 | 2.885 | 0.010 | 4.518 | -0.035 | 4.524 | 0.052 | 4.529 | 0.089 | 4.534 | 0.043 |
| 2.893 | 0.083 | 2.901 | 0.110 | 2.908 | 0.119 | 2.916 | 0.082 | 4.545 | -0.172 | 4.550 | -0.190 | 4.557 | -0.126 | 4.562 | -0.067 |
| 2.923 | 0.023 | 2.930 | -0.087 | 2.937 | -0.142 | 2.941 | -0.147 | 4.570 | -0.076 | 4.577 | -0.117 | 4.582 | -0.222 | 4.591 | -0.240 |
| 2.946 | -0.110 | 2.954 | -0.042 | 2.964 | 0.004 | 2.967 | 0.045 | 4.595 | -0.204 | 4.609 | -0.154 | 4.613 | -0.085 | 4.619 | 0.020 |
| 2.982 | 0.072 | 2.990 | 0.090 | 2.996 | 0.127 | 3.003 | 0.168 | 4.623 | 0.070 | 4.630 | 0.034 | 4.638 | -0.026 | 4.648 | -0.048 |
| 3.013 | 0.214 | 3.029 | 0.191 | 3.047 | 0.131 | 3.052 | 0.190 | 4.655 | 0.038 | 4.661 | 0.148 | 4.669 | 0.262 | 4.676 | 0.212 |
| 3.037 | 0.122 | 3.043 | 0.094 | 3.070 | 0.003 | 3.075 | -0.034 | 4.686 | 0.016 | 4.693 | -0.021 | 4.698 | 0.043 | 4.708 | 0.217 |
| 3.057 | 0.240 | 3.061 | 0.181 | 3.078 | -0.034 | 3.110 | -0.089 | 4.717 | 0.304 | 4.728 | 0.386 | 4.734 | 0.336 | 4.742 | 0.075 |
| 3.081 | -0.011 | 3.090 | 0.012 | 3.098 | -0.034 | 3.174 | 0.071 | 4.748 | -0.053 | 4.751 | -0.080 | 4.758 | -0.026 | 4.762 | 0.057 |
| 3.120 | -0.116 | 3.129 | -0.080 | 3.140 | -0.089 | 3.147 | -0.021 | 4.770 | 0.089 | 4.773 | 0.052 | 4.785 | -0.140 | 4.792 | -0.172 |
| 3.157 | 0.075 | 3.162 | 0.039 | 3.168 | 0.007 | 3.206 | -0.034 | 4.798 | -0.131 | 4.807 | 0.043 | 4.814 | 0.093 | 4.819 | 0.061 |
| 3.183 | 0.139 | 3.190 | 0.098 | 3.199 | -0.016 | 3.206 | -0.034 | 4.828 | -0.081 | 4.842 | -0.140 | 4.848 | -0.172 | 4.853 | -0.113 |
| 3.211 | 0.030 | 3.223 | 0.189 | 3.228 | 0.231 | 3.236 | 0.185 | 4.863 | 0.120 | 4.868 | 0.189 | 4.871 | 0.157 | 4.882 | 0.020 |
| 3.242 | 0.130 | 3.247 | 0.098 | 3.252 | 0.144 | 3.259 | 0.194 | 4.889 | 0.010 | 4.891 | 0.056 | 4.903 | 0.335 | 4.908 | 0.403 |
| 3.264 | 0.134 | 3.272 | 0.048 | 3.277 | -0.007 | 3.285 | 0.057 | 4.917 | 0.380 | 4.924 | 0.348 | 4.930 | 0.303 | 4.941 | 0.165 |
| 3.290 | 0.153 | 3.298 | 0.198 | 3.306 | 0.226 | 3.315 | 0.198 | 4.947 | 0.110 | 4.952 | 0.193 | 4.958 | 0.439 | 4.966 | 0.677 |
| 3.319 | 0.098 | 3.331 | -0.026 | 3.345 | -0.117 | 3.359 | -0.181 | 4.971 | 0.554 | 4.981 | 0.073 | 4.987 | -0.224 | 4.992 | -0.347 |
| 3.372 | -0.154 | 3.379 | -0.204 | 3.388 | -0.250 | 3.406 | -0.222 | 4.996 | -0.297 | 5.004 | -0.210 | 5.010 | -0.142 | 5.017 | -0.092 |
| 3.418 | -0.195 | 3.430 | -0.181 | 3.437 | -0.117 | 3.436 | -0.035 | 5.027 | -0.083 | 5.035 | -0.133 | 5.041 | -0.257 | 5.051 | -0.366 |
| 3.442 | -0.016 | 3.450 | 0.061 | 3.457 | 0.011 | 3.462 | -0.062 | 5.056 | -0.303 | 5.064 | -0.010 | 5.068 | 0.141 | 5.074 | 0.237 |
| 3.470 | -0.094 | 3.475 | -0.071 | 3.482 | -0.058 | 3.491 | -0.108 | 5.079 | 0.182 | 5.087 | -0.193 | 5.102 | -0.257 | 5.110 | -0.180 |
| 3.500 | -0.190 | 3.511 | -0.250 | 3.519 | -0.218 | 3.524 | -0.268 | 5.124 | -0.235 | 5.127 | 0.272 | 5.132 | 0.186 | 5.142 | -0.116 |
| 3.536 | -0.346 | 3.541 | -0.286 | 3.550 | -0.058 | 3.556 | 0.066 | 5.145 | -0.235 | 5.151 | -0.217 | 5.156 | -0.217 | 5.164 | -0.258 |
| 3.565 | 0.107 | 3.572 | 0.112 | 3.577 | 0.157 | 3.583 | 0.171 | 5.172 | -0.213 | 5.181 | -0.016 | 5.186 | 0.048 | 5.190 | 0.003 |
| 3.591 | 0.144 | 3.597 | 0.112 | 3.603 | 0.144 | 3.611 | 0.139 | 5.197 | -0.071 | 5.202 | -0.090 | 5.209 | -0.021 | 5.222 | 0.468 |
| 3.618 | 0.116 | 3.625 | -0.007 | 3.631 | -0.053 | 3.638 | -0.053 | 5.229 | 0.555 | 5.236 | 0.468 | 5.245 | 0.267 | 5.250 | 0.198 |
| 3.643 | -0.026 | 3.653 | -0.062 | 3.662 | -0.126 | 3.666 | -0.204 | 5.263 | 0.198 | 5.268 | 0.080 | 5.274 | -0.080 | 5.278 | -0.108 |
| 3.672 | -0.245 | 3.683 | -0.186 | 3.692 | -0.108 | 3.700 | -0.071 | 5.291 | -0.131 | 5.291 | -0.131 | 5.300 | -0.254 | 5.309 | -0.318 |
| 3.710 | -0.035 | 3.715 | 0.034 | 3.718 | 0.116 | 3.723 | 0.180 | 5.315 | -0.442 | 5.320 | -0.469 | 5.330 | -0.451 | 5.335 | -0.547 |
| 3.728 | 0.107 | 3.734 | -0.026 | 3.739 | -0.076 | 3.741 | -0.094 | 5.348 | -0.743 | 5.348 | -0.643 | 5.352 | -0.295 | 5.362 | 0.057 |
| 3.746 | -0.035 | 3.753 | 0.025 | 3.760 | -0.039 | 3.771 | -0.213 | 5.366 | 0.130 | 5.373 | 0.025 | 5.379 | -0.163 | 5.384 | -0.245 |
| 3.778 | -0.263 | 3.783 | -0.208 | 3.791 | -0.094 | 3.794 | -0.058 | 5.398 | -0.323 | 5.404 | -0.405 | 5.411 | -0.455 | 5.417 | -0.373 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5.424 | -0.245 | 5.429 | -0.117 | 5.434 | -0.003 | 5.439 | -0.071 | 8.154 | 0.231 | 8.167 | 0.177 | 8.184 | 0.382 | 8.196 | 0.282 |
| 5.448 | -0.291 | 5.453 | -0.378 | 5.461 | -0.300 | 5.473 | -0.025 | 8.207 | 0.259 | 8.220 | 0.085 | 8.239 | 0.195 | 8.251 | 0.003 |
| 5.483 | 0.185 | 5.489 | 0.226 | 5.501 | 0.363 | 5.512 | 0.381 | 8.262 | 0.081 | 8.275 | 0.012 | 8.294 | 0.460 | 8.300 | 0.520 |
| 5.521 | 0.459 | 5.525 | 0.500 | 5.532 | 0.441 | 5.542 | 0.162 | 8.308 | 0.452 | 8.325 | 0.032 | 8.331 | -0.009 | 8.347 | 0.142 |
| 5.551 | 0.052 | 5.559 | 0.144 | 5.569 | 0.253 | 5.580 | 0.464 | 8.356 | 0.083 | 8.372 | 0.476 | 8.379 | 0.596 | 8.388 | 0.386 |
| 5.584 | 0.550 | 5.592 | 0.464 | 5.603 | -0.122 | 5.610 | -0.304 | 8.400 | 0.102 | 8.413 | 0.112 | 8.430 | -0.089 | 8.451 | 0.374 |
| 5.615 | -0.382 | 5.619 | -0.341 | 5.625 | -0.291 | 5.628 | -0.254 | 8.473 | 0.095 | 8.486 | 0.137 | 8.502 | -0.064 | 8.530 | 0.462 |
| 5.634 | -0.323 | 5.641 | -0.492 | 5.648 | -0.538 | 5.659 | -0.538 | 8.548 | 0.124 | 8.561 | 0.147 | 8.571 | 0.198 | 8.589 | 0.395 |
| 5.666 | -0.506 | 5.678 | -0.570 | 5.691 | -0.492 | 5.703 | -0.492 | 8.600 | 0.445 | 8.609 | 0.408 | 8.619 | 0.281 | 8.641 | -0.355 |
| 5.707 | -0.391 | 5.714 | -0.163 | 5.719 | -0.053 | 5.723 | -0.003 | 8.657 | -0.373 | 8.671 | -0.423 | 8.676 | -0.363 | 8.692 | -0.363 |
| 5.728 | 0.029 | 5.734 | 0.003 | 5.742 | -0.080 | 5.748 | -0.254 | 8.714 | -0.130 | 8.738 | 0.117 | 8.738 | 0.040 | 8.750 | -0.047 |
| 5.753 | -0.332 | 5.757 | -0.373 | 5.762 | -0.250 | 5.774 | 0.171 | 8.776 | -0.170 | 8.787 | -0.078 | 8.800 | -0.215 | 8.808 | -0.252 |
| 5.781 | 0.528 | 5.789 | 0.646 | 5.794 | 0.701 | 5.794 | 0.628 | 8.820 | -0.151 | 8.830 | -0.051 | 8.849 | 0.023 | 8.864 | 0.380 |
| 5.801 | 0.564 | 5.807 | 0.614 | 5.814 | 0.720 | 5.817 | 0.774 | 8.873 | 0.581 | 8.880 | 0.522 | 8.896 | 0.188 | 8.905 | 0.101 |
| 5.821 | 0.729 | 5.826 | 0.656 | 5.830 | 0.624 | 5.835 | 0.669 | 8.912 | 0.069 | 8.927 | -0.168 | 8.932 | -0.200 | 8.946 | -0.182 |
| 5.842 | 0.774 | 5.846 | 0.811 | 5.851 | 0.720 | 5.862 | 0.363 | 8.953 | -0.182 | 8.960 | -0.218 | 8.968 | -0.323 | 8.978 | -0.406 |
| 5.865 | 0.230 | 5.876 | 0.144 | 5.885 | -0.103 | 5.893 | -0.428 | 8.986 | -0.291 | 8.998 | -0.063 | 9.008 | -0.031 | 9.020 | 0.180 |
| 5.898 | -0.492 | 5.903 | -0.455 | 5.912 | -0.396 | 5.924 | -0.414 | 9.025 | 0.285 | 9.037 | 0.207 | 9.049 | 0.070 | 9.061 | -0.135 |
| 5.934 | -0.538 | 5.946 | -0.620 | 5.955 | -0.579 | 5.969 | -0.620 | 9.078 | -0.167 | 9.086 | -0.245 | 9.097 | -0.674 | 9.104 | -0.743 |
| 5.983 | -0.437 | 5.991 | -0.314 | 5.999 | -0.218 | 6.010 | -0.007 | 9.117 | -0.555 | 9.129 | -0.564 | 9.147 | -0.203 | 9.171 | -0.258 |
| 6.020 | 0.217 | 6.032 | 0.322 | 6.057 | 0.541 | 6.071 | 0.724 | 9.176 | -0.308 | 9.189 | -0.587 | 9.196 | -0.628 | 9.204 | -0.559 |
| 6.081 | 0.646 | 6.093 | 0.518 | 6.103 | 0.427 | 6.111 | 0.486 | 9.227 | 0.008 | 9.238 | 0.077 | 9.249 | 0.045 | 9.261 | -0.046 |
| 6.122 | 0.445 | 6.136 | 0.514 | 6.152 | 0.180 | 6.176 | -0.195 | 9.275 | 0.137 | 9.293 | 0.211 | 9.301 | 0.101 | 9.310 | -0.018 |
| 6.189 | -0.094 | 6.206 | -0.235 | 6.222 | 0.103 | 6.232 | -0.058 | 9.318 | -0.059 | 9.331 | -0.248 | 9.336 | -0.150 | 9.350 | -0.287 |
| 6.245 | -0.413 | 6.257 | -0.226 | 6.270 | -0.144 | 6.281 | 0.007 | 9.438 | 0.491 | 9.446 | -0.436 | 9.463 | -0.026 | 9.470 | -0.062 |
| 6.291 | 0.067 | 6.301 | 0.163 | 6.306 | 0.204 | 6.326 | 0.089 | 9.487 | 0.062 | 9.499 | -0.011 | 9.511 | 0.090 | 9.518 | 0.126 |
| 6.330 | 0.081 | 6.339 | 0.223 | 6.348 | 0.305 | 6.357 | 0.264 | 9.530 | 0.099 | 9.563 | -0.115 | 9.575 | 0.031 | 9.594 | 0.301 |
| 6.370 | 0.100 | 6.382 | 0.191 | 6.398 | -0.041 | 6.409 | 0.009 | 9.604 | 0.247 | 9.616 | 0.132 | 9.632 | 0.311 | 9.643 | 0.361 |
| 6.421 | -0.242 | 6.434 | -0.379 | 6.452 | -0.214 | 6.471 | -0.415 | 9.660 | 0.261 | 9.668 | -0.238 | 9.682 | 0.038 | 9.699 | 0.225 |
| 6.479 | -0.374 | 6.495 | -0.255 | 6.516 | -0.301 | 6.529 | -0.200 | 9.717 | -0.026 | 9.734 | -0.153 | 9.750 | -0.472 | 9.763 | -0.472 |
| 6.546 | -0.378 | 6.565 | -0.026 | 6.578 | -0.099 | 6.591 | 0.052 | 9.782 | -0.572 | 9.791 | -0.517 | 9.801 | -0.393 | 9.816 | -0.502 |
| 6.601 | 0.098 | 6.613 | 0.322 | 6.621 | 0.363 | 6.630 | 0.326 | 9.845 | -0.290 | 9.855 | -0.162 | 9.874 | 0.076 | 9.889 | 0.058 |
| 6.648 | -0.062 | 6.665 | -0.213 | 6.668 | -0.231 | 6.688 | 0.075 | 9.906 | 0.360 | 9.924 | 0.224 | 9.939 | 0.283 | 9.955 | 0.051 |
| 6.700 | 0.098 | 6.721 | 0.509 | 6.744 | 0.093 | 6.759 | 0.212 | 9.966 | 0.097 | 9.978 | 0.060 | 9.996 | -0.152 | 10.006 | 0.267 |
| 6.777 | 0.084 | 6.792 | 0.070 | 6.803 | -0.080 | 6.819 | -0.195 | 10.027 | -0.062 | 10.058 | -0.058 | 10.076 | 0.244 | 10.088 | 0.326 |
| 6.833 | -0.122 | 6.845 | -0.259 | 6.863 | 0.148 | 6.897 | 0.566 | 10.104 | 0.523 | 10.129 | 0.336 | 10.147 | 0.400 | 10.161 | 0.345 |
| 6.916 | 0.304 | 6.932 | 0.185 | 6.947 | 0.139 | 6.962 | 0.052 | 10.173 | 0.358 | 10.203 | -0.090 | 10.222 | 0.034 | 10.233 | -0.044 |
| 6.983 | -0.414 | 7.017 | -0.240 | 7.032 | -0.085 | 7.051 | -0.314 | 10.254 | 0.368 | 10.272 | 0.198 | 10.283 | 0.166 | 10.296 | -0.044 |
| 7.070 | -0.186 | 7.089 | -0.332 | 7.109 | -0.076 | 7.133 | -0.039 | 10.304 | -0.099 | 10.325 | 0.057 | 10.334 | 0.093 | 10.347 | 0.203 |
| 7.150 | 0.208 | 7.161 | 0.166 | 7.177 | 0.454 | 7.195 | 0.171 | 10.360 | 0.075 | 10.373 | -0.035 | 10.393 | -0.272 | 10.411 | -0.034 |
| 7.204 | 0.144 | 7.217 | 0.244 | 7.240 | -0.190 | 7.261 | 0.281 | 10.458 | -0.212 | 10.490 | -0.111 | 10.493 | -0.065 | 10.509 | 0.109 |
| 7.283 | 0.006 | 7.309 | 0.230 | 7.331 | 0.592 | 7.372 | -0.080 | 10.532 | -0.042 | 10.547 | 0.037 | 10.560 | 0.074 | 10.576 | 0.229 |
| 7.384 | 0.062 | 7.403 | -0.263 | 7.425 | 0.052 | 7.434 | 0.002 | 10.613 | -0.144 | 10.627 | -0.180 | 10.645 | -0.445 | 10.659 | -0.340 |
| 7.452 | 0.208 | 7.466 | 0.322 | 7.493 | 0.742 | 7.505 | 0.728 | 10.691 | -0.608 | 10.705 | -0.475 | 10.719 | -0.411 | 10.741 | -0.109 |
| 7.512 | 0.737 | 7.530 | 0.495 | 7.541 | 0.477 | 7.554 | 0.207 | 10.755 | -0.173 | 10.777 | 0.083 | 10.788 | 0.038 | 10.801 | 0.129 |
| 7.561 | 0.097 | 7.578 | 0.321 | 7.598 | -0.169 | 7.610 | -0.156 | 10.821 | 0.015 | 10.835 | 0.098 | 10.880 | -0.163 | 10.905 | 0.102 |
| 7.623 | -0.252 | 7.638 | -0.211 | 7.638 | -0.211 | 7.652 | -0.097 | 10.891 | 0.212 | 10.951 | 0.221 | 10.967 | 0.395 | 11.038 | -0.035 |
| 7.663 | -0.253 | 7.678 | -0.431 | 7.700 | -0.560 | 7.721 | -0.172 | 10.931 | 0.212 | 10.951 | 0.016 | 11.038 | 0.299 | 11.044 | 0.354 |
| 7.731 | -0.232 | 7.746 | -0.090 | 7.761 | -0.201 | 7.769 | -0.164 | 11.013 | -0.076 | 11.021 | 0.016 | 11.095 | 0.281 | 11.113 | 0.070 |
| 7.787 | -0.284 | 7.802 | -0.202 | 7.815 | -0.257 | 7.829 | -0.162 | 11.067 | 0.340 | 11.090 | -0.003 | 11.155 | 0.048 | 11.165 | 0.025 |
| 7.842 | -0.235 | 7.851 | -0.236 | 7.865 | -0.369 | 7.893 | 0.001 | 11.127 | 0.125 | 11.142 | -0.003 | 11.155 | 0.048 | 11.165 | 0.025 |
| 7.905 | -0.018 | 7.916 | 0.028 | 7.928 | -0.051 | 7.933 | -0.110 | 11.180 | -0.021 | 11.190 | 0.043 | 11.198 | 0.070 | 11.213 | 0.180 |
| 7.944 | -0.193 | 7.966 | -0.486 | 7.974 | -0.427 | 7.985 | -0.496 | 11.224 | 0.180 | 11.240 | 0.345 | 11.256 | 0.240 | 11.274 | 0.254 |
| 8.002 | -0.277 | 8.014 | -0.378 | 8.028 | -0.150 | 8.038 | -0.132 | 11.290 | 0.026 | 11.297 | -0.015 | 11.310 | 0.604 | 11.327 | -0.138 |
| 8.053 | -0.008 | 8.069 | -0.269 | 8.076 | -0.306 | 8.083 | -0.261 | 11.347 | 0.027 | 11.362 | 0.023 | 11.387 | 0.312 | 11.393 | 0.261 |
| 8.089 | -0.220 | 8.103 | -0.298 | 8.117 | -0.143 | 8.127 | -0.056 | 11.410 | 0.079 | 11.421 | 0.001 | 11.441 | -0.250 | 11.457 | -0.245 |

| | | | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 11.477 | -0.282 | 11.490 | -0.186 | 11.506 | -0.045 | 11.523 | -0.045 | 13.714 | 0.277 | 13.720 | 0.350 | 13.732 | 0.419 | 13.745 | 0.437 |
| *11.552 | 0.019 | 11.555 | 0.015 | 11.557 | 0.015 | 11.563 | 0.015 | 13.756 | 0.446 | 13.763 | 0.418 | 13.774 | 0.391 | 13.784 | 0.354 |
| 11.569 | 0.019 | 11.580 | 0.051 | 11.592 | 0.024 | 11.600 | 0.084 | 13.792 | 0.327 | 13.798 | 0.308 | 13.804 | 0.258 | 13.810 | 0.157 |
| 11.607 | 0.157 | 11.611 | 0.194 | 11.616 | 0.175 | 11.621 | 0.139 | 13.814 | 0.107 | 13.819 | 0.075 | 13.825 | 0.038 | 13.833 | 0.148 |
| 11.626 | 0.116 | 11.631 | 0.130 | 11.638 | 0.162 | 11.649 | 0.126 | 13.850 | 0.226 | 13.862 | 0.303 | 13.869 | 0.326 | 13.876 | 0.308 |
| 11.659 | 0.121 | 11.664 | 0.053 | 11.672 | -0.052 | 11.677 | -0.093 | 13.885 | 0.280 | 13.900 | 0.221 | 13.913 | 0.212 | 13.919 | 0.225 |
| 11.685 | -0.116 | 11.693 | -0.138 | 11.700 | -0.175 | 11.706 | -0.193 | 13.934 | 0.289 | 13.940 | 0.303 | 13.946 | 0.289 | 13.950 | 0.266 |
| 11.715 | -0.123 | 11.726 | -0.087 | 11.739 | -0.151 | 11.751 | -0.096 | 13.955 | 0.207 | 13.959 | 0.147 | 13.966 | 0.102 | 13.973 | 0.115 |
| 11.760 | -0.123 | 11.771 | -0.096 | 11.784 | -0.141 | 11.795 | -0.017 | 13.976 | 0.129 | 13.994 | 0.088 | 13.999 | 0.069 | 14.006 | 0.065 |
| 11.802 | 0.066 | 11.810 | 0.392 | 11.817 | 0.111 | 11.825 | 0.092 | 14.014 | 0.060 | 14.021 | 0.065 | 14.027 | 0.074 | 14.035 | 0.037 |
| 11.833 | 0.092 | 11.844 | 0.106 | 11.858 | 0.184 | 11.871 | 0.111 | 14.043 | -0.009 | 14.053 | -0.045 | 14.062 | -0.100 | 14.069 | -0.132 |
| 11.881 | 0.111 | 11.896 | 0.015 | 11.910 | -0.053 | 11.922 | -0.149 | 14.079 | -0.109 | 14.085 | -0.091 | 14.095 | -0.109 | 14.106 | -0.105 |
| 11.931 | -0.181 | 11.945 | -0.140 | 11.953 | -0.154 | 11.967 | -0.240 | 14.117 | -0.091 | 14.124 | -0.073 | 14.139 | -0.096 | 14.152 | -0.128 |
| 11.977 | -0.263 | 11.983 | -0.240 | 11.996 | -0.131 | 12.005 | -0.739 | 14.160 | -0.165 | 14.167 | -0.183 | 14.176 | -0.151 | 14.183 | -0.087 |
| 12.012 | 0.006 | 12.017 | -0.312 | 12.026 | -0.030 | 12.044 | 0.066 | 14.188 | -0.069 | 14.196 | -0.092 | 14.209 | -0.138 | 14.220 | -0.160 |
| 12.051 | 0.098 | 12.063 | 0.943 | 12.071 | -0.039 | 12.086 | -0.016 | 14.224 | -0.174 | 14.232 | -0.215 | 14.239 | -0.234 | 14.245 | -0.211 |
| 12.086 | -0.048 | 12.092 | -0.112 | 12.097 | -0.149 | 12.103 | -0.126 | 14.250 | -0.119 | 14.259 | -0.078 | 14.267 | -0.078 | 14.272 | -0.064 |
| 12.113 | -0.071 | 12.119 | -0.108 | 12.126 | -0.135 | 12.135 | -0.094 | 14.277 | -0.046 | 14.282 | -0.037 | 14.289 | -0.055 | 14.296 | -0.069 |
| 12.144 | -0.076 | 12.152 | -0.103 | 12.163 | -0.149 | 12.175 | -0.199 | 14.303 | -0.069 | 14.308 | -0.051 | 14.315 | -0.069 | 14.324 | -0.101 |
| 12.188 | -0.236 | 12.202 | -0.254 | 12.213 | -0.282 | 12.220 | -0.300 | 14.336 | -0.106 | 14.343 | -0.147 | 14.353 | -0.174 | 14.363 | -0.197 |
| 12.225 | -0.304 | 12.233 | -0.304 | 12.245 | -0.327 | 12.254 | -0.272 | 14.373 | -0.179 | 14.383 | -0.133 | 14.388 | -0.101 | 14.393 | -0.046 |
| 12.263 | -0.231 | 12.272 | -0.240 | 12.286 | -0.199 | 12.300 | -0.245 | 14.400 | 0.009 | 14.408 | -0.028 | 14.416 | -0.032 | 14.427 | -0.023 |
| 12.317 | -0.218 | 12.333 | -0.309 | 12.345 | -0.222 | 12.354 | -0.144 | 14.436 | -0.346 | 14.444 | -0.083 | 14.454 | -0.138 | 14.461 | -0.152 |
| 12.363 | -0.076 | 12.368 | -0.035 | 12.379 | -0.021 | 12.386 | 0.025 | 14.470 | -0.138 | 14.476 | -0.156 | 14.481 | -0.188 | 14.486 | -0.234 |
| 12.390 | 0.066 | 12.397 | 0.348 | 12.404 | 0.034 | 12.413 | 0.034 | 14.491 | -0.257 | 14.501 | -0.220 | 14.509 | -0.188 | 14.514 | -0.170 |
| 12.425 | -0.021 | 12.432 | -0.053 | 12.443 | -0.080 | 12.452 | -0.058 | 14.526 | -0.161 | 14.532 | -0.134 | 14.541 | -0.070 | 14.551 | -0.065 |
| 12.461 | -0.030 | 12.467 | -0.071 | 12.478 | -0.131 | 12.485 | -0.080 | 14.560 | -0.006 | 14.570 | -0.029 | 14.581 | -0.056 | 14.591 | -0.029 |
| 12.496 | 0.030 | 12.507 | 0.020 | 12.519 | 0.116 | 12.530 | 0.139 | 14.603 | -0.093 | 14.609 | -0.079 | 14.616 | -0.066 | 14.622 | -0.056 |
| 12.543 | 0.189 | 12.552 | 0.157 | 12.561 | 0.125 | 12.569 | 0.116 | 14.628 | -0.084 | 14.632 | -0.107 | 14.639 | -0.120 | 14.644 | -0.102 |
| 12.576 | 0.085 | 12.587 | 0.947 | 12.599 | 0.079 | 12.605 | 0.125 | 14.652 | -0.088 | 14.657 | -0.107 | 14.665 | -0.098 | 14.673 | -0.116 |
| 12.615 | 0.202 | 12.627 | 0.156 | 12.634 | 0.188 | 12.646 | 0.262 | 14.680 | -0.125 | 14.684 | -0.125 | 14.692 | -0.098 | 14.698 | -0.075 |
| 12.655 | 0.303 | 12.670 | 0.284 | 12.686 | 0.266 | 12.703 | 0.233 | 14.702 | -0.084 | 14.710 | -0.038 | 14.721 | -0.015 | 14.729 | -0.034 |
| 12.714 | 0.274 | 12.723 | 0.215 | 12.739 | 0.091 | 12.750 | -0.023 | 14.737 | -0.084 | 14.740 | -0.139 | 14.757 | -0.102 | 14.767 | -0.116 |
| 12.760 | -0.097 | 12.765 | -0.225 | 12.771 | -0.298 | 12.780 | -0.148 | 14.775 | -0.130 | 14.780 | -0.139 | 14.790 | -0.180 | 14.796 | -0.194 |
| 12.792 | -0.330 | 12.796 | -0.353 | 12.805 | -0.326 | 12.821 | -0.148 | 14.803 | -0.171 | 14.813 | -0.102 | 14.819 | -0.075 | 14.827 | -0.093 |
| 12.840 | -0.116 | 12.852 | -0.053 | 12.864 | -0.021 | 12.878 | -0.007 | 14.832 | -0.107 | 14.839 | -0.079 | 14.849 | -0.010 | 14.858 | 0.044 |
| 12.887 | 0.047 | 12.896 | 0.162 | 12.905 | 0.203 | 12.912 | 0.244 | 14.867 | 0.086 | 14.872 | 0.109 | 14.875 | 0.122 | 14.885 | 0.127 |
| 12.917 | 0.211 | 12.925 | 0.147 | 12.932 | 0.088 | 12.942 | 0.001 | 14.895 | 0.118 | 14.903 | 0.082 | 14.910 | 0.059 | 14.915 | 0.054 |
| 12.946 | -0.031 | 12.959 | -0.004 | 12.968 | -0.032 | 12.985 | -0.091 | 14.921 | 0.077 | 14.929 | 0.105 | 14.937 | 0.128 | 14.949 | 0.119 |
| 12.990 | -0.110 | 13.004 | -0.110 | 13.010 | -0.161 | 13.022 | -0.257 | 14.962 | 0.133 | 14.973 | 0.146 | 14.982 | 0.146 | 14.989 | 0.147 |
| 13.029 | -0.220 | 13.037 | -0.271 | 13.044 | -0.138 | 13.048 | -0.184 | 14.998 | 0.174 | 15.006 | 0.147 | 15.032 | 0.065 | 15.049 | 0.001 |
| 13.065 | -0.285 | 13.077 | -0.271 | 13.096 | -0.253 | 13.110 | -0.317 | 15.061 | -0.027 | 15.067 | -0.040 | 15.078 | -0.004 | 15.083 | 0.037 |
| 13.118 | -0.317 | 13.135 | -0.358 | 13.145 | -0.303 | 13.158 | -0.203 | 15.098 | 0.097 | 15.104 | 0.065 | 15.111 | 0.051 | 15.119 | 0.074 |
| 13.163 | -0.143 | 13.176 | -0.166 | 13.192 | -0.093 | 13.204 | -0.121 | 15.126 | 0.124 | 15.133 | 0.161 | 15.142 | 0.124 | 15.152 | 0.083 |
| 13.218 | -0.070 | 13.238 | -0.134 | 13.255 | -0.134 | 13.271 | -0.134 | 15.165 | 0.060 | 15.182 | 0.037 | 15.195 | 0.019 | 15.208 | -0.036 |
| 13.282 | -0.180 | 13.298 | -0.194 | 13.296 | -0.194 | 13.306 | -0.230 | 15.224 | -0.054 | 15.239 | -0.119 | 15.249 | -0.106 | 15.262 | -0.224 |
| 13.322 | -0.185 | 13.336 | -0.239 | 13.356 | -0.162 | 13.373 | -0.207 | 15.275 | -0.183 | 15.286 | -0.147 | 15.297 | -0.106 | 15.306 | -0.078 |
| 13.369 | -0.230 | 13.397 | -0.249 | 13.406 | -0.194 | 13.419 | -0.079 | 15.319 | -0.124 | 15.331 | -0.165 | 15.341 | -0.194 | 15.349 | -0.170 |
| 13.429 | -0.011 | 13.443 | -0.047 | 13.460 | -0.048 | 13.469 | -0.085 | 15.361 | -0.138 | 15.375 | -0.175 | 15.388 | -0.198 | 15.400 | -0.180 |
| 13.480 | -0.149 | 13.493 | -0.117 | 13.509 | -0.099 | 13.517 | -0.031 | 15.462 | -0.162 | 15.479 | -0.139 | 15.491 | -0.080 | 15.504 | -0.107 |
| 13.527 | 0.033 | 13.536 | 0.006 | 13.545 | -0.013 | 13.550 | 0.022 | 15.512 | -0.066 | 15.526 | -0.053 | 15.541 | 0.007 | 15.548 | 0.043 |
| 13.561 | 0.001 | 13.573 | 0.064 | 13.580 | 0.124 | 13.586 | 0.160 | 15.559 | -0.007 | 15.579 | -0.085 | 15.592 | -0.053 | 15.607 | -0.085 |
| 13.594 | 0.201 | 13.600 | 0.174 | 13.607 | 0.151 | 13.611 | 0.178 | 15.621 | -0.039 | 15.634 | -0.058 | 15.650 | 0.011 | 15.660 | -0.021 |
| 13.615 | 0.242 | 13.624 | 0.253 | 13.639 | 0.223 | 13.650 | 0.232 | 15.676 | -0.090 | 15.688 | -0.112 | 15.707 | -0.103 | 15.714 | -0.122 |
| 13.659 | 0.177 | 13.664 | 0.145 | 13.677 | 0.145 | 13.682 | 0.141 | 15.726 | -0.172 | 15.735 | -0.208 | 15.748 | -0.186 | 15.757 | -0.158 |
| 13.686 | 0.127 | 13.693 | 0.113 | 13.698 | 0.145 | 13.704 | 0.191 | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 15.778 | -0.154 | 15.789 | -0.112 | 15.805 | -0.039 | 15.824 | -0.039 | 15.862 | -0.010 | 19.077 | -0.010 | 19.092 | -0.001 | 19.131 | -0.042 |
| 15.837 | -0.080 | 15.846 | -0.112 | 15.860 | -0.071 | 15.874 | -0.025 | 19.111 | -0.073 | 19.131 | -0.050 | 19.145 | -0.036 | 19.158 | -0.036 |
| 15.891 | 0.002 | 15.905 | 0.030 | 15.926 | 0.144 | 15.946 | 0.204 | 19.172 | -0.017 | 19.182 | -0.013 | 19.191 | -0.003 | 19.202 | -0.053 |
| 15.959 | 0.126 | 15.969 | 0.138 | 15.977 | 0.147 | 15.989 | 0.190 | 19.212 | -0.067 | 19.224 | -0.067 | 19.235 | -0.048 | 19.243 | -0.048 |
| 16.004 | 0.154 | 16.022 | 0.227 | 16.040 | 0.150 | 16.053 | 0.132 | 19.259 | -0.085 | 19.280 | -0.039 | 19.289 | -0.030 | 19.288 | 0.044 |
| 16.063 | 0.091 | 16.077 | 0.118 | 16.094 | 0.064 | 16.115 | 0.137 | 19.301 | -0.053 | 19.316 | 0.081 | 19.334 | 0.017 | 19.348 | 0.018 |
| 16.135 | 0.055 | 16.172 | -0.035 | 16.190 | 0.015 | 16.204 | -0.097 | 19.359 | -0.019 | 19.373 | -0.019 | 19.386 | -0.032 | 19.403 | 0.000 |
| 16.217 | 0.034 | 16.231 | 0.089 | 16.246 | 0.089 | 16.263 | 0.181 | 19.422 | 0.046 | 19.439 | 0.074 | 19.454 | 0.079 | 19.470 | 0.038 |
| 16.279 | 0.099 | 16.294 | 0.095 | 16.305 | 0.036 | 16.322 | -0.037 | 19.482 | 0.075 | 19.498 | 0.029 | 19.511 | 0.007 | 19.526 | 0.007 |
| 16.348 | -0.037 | 16.366 | -0.036 | 16.382 | 0.014 | 16.391 | 0.042 | 19.541 | 0.016 | 19.552 | 0.076 | 19.557 | 0.103 | 19.572 | 0.108 |
| 16.408 | 0.024 | 16.422 | -0.004 | 16.438 | -0.104 | 16.446 | -0.164 | 19.585 | 0.122 | 19.596 | 0.090 | 19.612 | 0.040 | 19.623 | -0.001 |
| 16.468 | 0.228 | 16.487 | -0.178 | 16.504 | -0.114 | 16.520 | -0.054 | 19.634 | -0.056 | 19.648 | -0.083 | 19.657 | -0.102 | 19.667 | -0.056 |
| 16.539 | -0.082 | 16.552 | -0.040 | 16.560 | -0.013 | 16.571 | 0.001 | 19.680 | -0.024 | 19.690 | -0.065 | 19.703 | -0.056 | 19.713 | -0.042 |
| 16.581 | -0.013 | 16.589 | -0.054 | 16.600 | -0.095 | 16.610 | -0.073 | 19.731 | -0.083 | 19.749 | -0.087 | 19.764 | -0.133 | 19.775 | -0.165 |
| 16.619 | -0.045 | 16.630 | -0.073 | 16.638 | -0.046 | 16.650 | 0.027 | 19.794 | -0.119 | 19.807 | -0.110 | 19.828 | -0.064 | 19.848 | -0.032 |
| 16.659 | 0.064 | 16.669 | 0.087 | 16.682 | 0.059 | 16.692 | 0.050 | 19.841 | -0.086 | 19.853 | -0.086 | 19.868 | -0.127 | 19.878 | -0.159 |
| 16.705 | 0.072 | 16.717 | 0.081 | 16.727 | 0.058 | 16.741 | 0.035 | 19.887 | -0.173 | 19.901 | -0.145 | 19.915 | -0.118 | 19.927 | -0.095 |
| 16.823 | -0.121 | 16.841 | -0.121 | 16.863 | -0.135 | 16.879 | -0.084 | 19.990 | -0.057 | 20.006 | -0.039 | 20.016 | -0.020 | 20.031 | -0.075 |
| 16.899 | -0.048 | 16.917 | 0.007 | 16.938 | 0.062 | 16.948 | 0.020 | 20.047 | -0.084 | 20.067 | -0.074 | 20.079 | -0.024 | 20.090 | 0.013 |
| 16.962 | -0.039 | 16.974 | -0.039 | 16.994 | -0.007 | 17.006 | -0.044 | 20.100 | 0.013 | 20.113 | 0.068 | 20.126 | -0.014 | 20.135 | -0.041 |
| 17.015 | -0.067 | 17.035 | -0.044 | 17.047 | -0.099 | 17.059 | -0.113 | 20.147 | -0.059 | 20.160 | -0.091 | 20.169 | -0.045 | 20.182 | -0.027 |
| 17.076 | -0.172 | 17.090 | -0.108 | 17.112 | -0.118 | 17.126 | -0.099 | 20.192 | -0.068 | 20.202 | -0.090 | 20.217 | -0.058 | 20.226 | -0.040 |
| 17.138 | -0.054 | 17.155 | -0.040 | 17.166 | 0.060 | 17.176 | 0.115 | 20.236 | -0.044 | 20.249 | -0.017 | 20.265 | -0.039 | 20.285 | -0.012 |
| 17.188 | 0.129 | 17.204 | 0.124 | 17.218 | 0.083 | 17.236 | 0.023 | 20.297 | 0.002 | 20.312 | -0.021 | 20.317 | -0.025 | 20.332 | 0.007 |
| 17.264 | -0.045 | 17.282 | -0.023 | 17.302 | -0.073 | 17.314 | 0.009 | 20.348 | 0.012 | 20.357 | 0.026 | 20.373 | 0.049 | 20.391 | 0.021 |
| 17.391 | -0.087 | 17.410 | -0.074 | 17.441 | -0.083 | 17.457 | 0.009 | 20.400 | 0.044 | 20.410 | 0.063 | 20.421 | 0.076 | 20.430 | 0.058 |
| 17.468 | 0.055 | 17.478 | 0.068 | 17.494 | 0.023 | 17.509 | 0.009 | 20.439 | 0.031 | 20.453 | 0.035 | 20.471 | 0.058 | 20.483 | 0.081 |
| 17.529 | -0.100 | 17.553 | -0.119 | 17.571 | -0.132 | 17.601 | -0.123 | 20.496 | 0.104 | 20.511 | 0.095 | 20.527 | 0.132 | 20.547 | 0.105 |
| 17.615 | -0.017 | 17.625 | -0.118 | 17.640 | -0.072 | 17.655 | -0.044 | 20.538 | 0.095 | 20.544 | 0.082 | 20.554 | 0.068 | 20.566 | 0.105 |
| 17.666 | -0.017 | 17.686 | -0.067 | 17.702 | -0.012 | 17.716 | -0.057 | 20.578 | 0.127 | 20.592 | 0.150 | 20.607 | 0.127 | 20.615 | 0.104 |
| 17.734 | -0.034 | 17.764 | 0.040 | 17.783 | 0.122 | 17.792 | 0.155 | 20.634 | 0.095 | 20.643 | 0.063 | 20.656 | 0.067 | 20.671 | 0.058 |
| 17.808 | 0.187 | 17.824 | 0.187 | 17.838 | 0.124 | 17.853 | 0.124 | 20.678 | -0.077 | 20.691 | 0.040 | 20.701 | 0.012 | 20.712 | -0.015 |
| 17.865 | 0.060 | 17.876 | 0.051 | 17.896 | 0.066 | 17.906 | 0.084 | 20.730 | -0.052 | 20.744 | -0.020 | 20.763 | -0.002 | 20.778 | 0.017 |
| 17.924 | 0.053 | 17.939 | 0.089 | 17.953 | 0.026 | 17.975 | 0.013 | 20.794 | -0.020 | 20.820 | -0.043 | 20.830 | -0.034 | 20.839 | -0.061 |
| 17.985 | -0.028 | 18.001 | -0.046 | 18.015 | -0.000 | 18.024 | 0.014 | 20.854 | -0.020 | 20.862 | -0.043 | 20.885 | -0.111 | 20.899 | -0.153 |
| 18.035 | 0.014 | 18.044 | 0.069 | 18.053 | 0.096 | 18.058 | 0.055 | 20.906 | -0.171 | 20.922 | -0.189 | 20.955 | -0.171 | 20.970 | -0.134 |
| 18.069 | 0.014 | 18.075 | 0.001 | 18.081 | 0.033 | 18.091 | 0.056 | 20.976 | -0.116 | 20.987 | -0.116 | 20.999 | -0.102 | 21.008 | -0.070 |
| 18.115 | -0.035 | 18.124 | -0.006 | 18.142 | -0.044 | 18.158 | -0.007 | 21.019 | -0.056 | 21.037 | -0.047 | 21.053 | -0.033 | 21.066 | -0.042 |
| 18.174 | 0.003 | 18.193 | 0.006 | 18.206 | -0.034 | 18.217 | -0.033 | 21.076 | -0.056 | 21.092 | -0.060 | 21.107 | -0.060 | 21.124 | -0.010 |
| 18.234 | -0.015 | 18.246 | 0.012 | 18.262 | -0.006 | 18.275 | 0.049 | 21.138 | -0.033 | 21.151 | -0.023 | 21.161 | -0.037 | 21.174 | -0.019 |
| 18.282 | 0.077 | 18.296 | 0.068 | 18.309 | 0.095 | 18.316 | 0.113 | 21.182 | -0.005 | 21.193 | -0.023 | 21.206 | -0.046 | 21.223 | 0.013 |
| 18.325 | 0.072 | 18.339 | 0.027 | 18.363 | 0.018 | 18.377 | -0.014 | 21.238 | -0.024 | 21.252 | -0.047 | 21.259 | -0.088 | 21.278 | -0.042 |
| 18.393 | 0.018 | 18.406 | -0.019 | 18.424 | 0.009 | 18.437 | 0.028 | 21.296 | -0.006 | 21.309 | 0.031 | 21.331 | 0.081 | 21.345 | 0.040 |
| 18.448 | -0.014 | 18.460 | 0.004 | 18.473 | 0.036 | 18.483 | -0.028 | 21.364 | 0.052 | 21.379 | 0.081 | 21.389 | 0.094 | 21.404 | 0.076 |
| 18.496 | -0.051 | 18.509 | -0.092 | 18.526 | -0.106 | 18.537 | -0.106 | 21.414 | 0.058 | 21.428 | 0.103 | 21.439 | 0.076 | 21.451 | 0.053 |
| 18.546 | -0.074 | 18.557 | -0.060 | 18.571 | -0.092 | 18.590 | -0.083 | 21.461 | 0.039 | 21.476 | 0.048 | 21.496 | 0.084 | 21.514 | 0.089 |
| 18.607 | -0.128 | 18.623 | -0.096 | 18.639 | -0.105 | 18.651 | -0.123 | 21.536 | 0.075 | 21.564 | -0.038 | 21.584 | 0.011 | 21.639 | 0.002 |
| 18.666 | -0.155 | 18.683 | -0.132 | 18.700 | -0.104 | 18.716 | -0.054 | 21.630 | -0.021 | 21.648 | -0.007 | 21.659 | 0.020 | 21.668 | 0.043 |
| 18.732 | 0.001 | 18.747 | -0.026 | 18.761 | 0.011 | 18.776 | -0.016 | 21.687 | 0.052 | 21.704 | 0.034 | 21.721 | 0.016 | 21.734 | 0.002 |
| 18.793 | 0.016 | 18.811 | -0.052 | 18.828 | -0.015 | 18.846 | -0.047 | 21.744 | 0.006 | 21.760 | -0.039 | 21.771 | -0.007 | 21.781 | 0.011 |
| 18.860 | -0.010 | 18.876 | 0.018 | 18.894 | 0.078 | 18.903 | 0.046 | 21.799 | 0.002 | 21.808 | 0.006 | 21.818 | 0.025 | 21.833 | -0.016 |
| 18.919 | 0.001 | 18.927 | -0.017 | 18.937 | 0.010 | 18.951 | -0.035 | 21.924 | -0.044 | 21.941 | -0.035 | 21.950 | -0.053 | 21.961 | -0.053 |
| 18.965 | -0.007 | 18.980 | -0.012 | 18.995 | 0.016 | 19.013 | 0.003 | 21.979 | -0.053 | 21.993 | -0.080 | 22.011 | -0.080 | 22.029 | -0.076 |
| 19.024 | -0.026 | 19.032 | 0.030 | 19.041 | 0.049 | 19.051 | -0.006 | 22.037 | -0.062 | 22.054 | -0.071 | 22.065 | -0.044 | 22.072 | -0.026 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 22.086 | -0.003 | 22.098 | 0.002 | 22.114 | -0.007 | 22.124 | -0.021 | 25.183 | 0.016 | 25.201 | -0.012 | 25.220 | -0.034 | 25.237 | -0.062 |
| 22.142 | -0.030 | 22.156 | -0.007 | 22.171 | 0.006 | 22.178 | 0.025 | 25.249 | -0.043 | 25.261 | -0.016 | 25.275 | -0.002 | 25.288 | 0.012 |
| 22.197 | 0.007 | 22.216 | 0.002 | 22.231 | -0.035 | 22.243 | -0.030 | 25.305 | -0.015 | 25.320 | -0.010 | 25.337 | -0.005 | 25.348 | -0.010 |
| 22.258 | -0.053 | 22.270 | -0.076 | 22.285 | -0.058 | 22.299 | -0.067 | 25.355 | -0.004 | 25.366 | -0.014 | 25.381 | -0.005 | 25.401 | -0.063 |
| 22.309 | -0.026 | 22.316 | 0.002 | 22.337 | 0.016 | 22.358 | 0.052 | 25.418 | -0.076 | 25.430 | -0.048 | 25.447 | -0.020 | 25.461 | -0.011 |
| 22.371 | 0.057 | 22.386 | 0.088 | 22.408 | 0.079 | 22.422 | 0.061 | 25.477 | -0.024 | 25.483 | -0.037 | 25.496 | -0.019 | 25.510 | -0.000 |
| 22.434 | 0.056 | 22.445 | 0.056 | 22.455 | 0.074 | 22.477 | 0.015 | 25.530 | 0.001 | 25.547 | -0.008 | 25.566 | -0.022 | 25.584 | -0.031 |
| 22.498 | 0.019 | 22.508 | 0.005 | 22.517 | -0.013 | 22.530 | -0.054 | 25.598 | -0.013 | 25.614 | 0.010 | 25.633 | 0.014 | 25.650 | 0.014 |
| 22.569 | -0.114 | 22.557 | -0.127 | 22.574 | -0.105 | 22.593 | -0.082 | 25.667 | -0.018 | 25.683 | -0.023 | 25.701 | -0.018 | 25.720 | -0.046 |
| 22.609 | 0.064 | 22.625 | -0.051 | 22.639 | -0.055 | 22.650 | -0.042 | 25.732 | -0.051 | 25.748 | -0.032 | 25.765 | -0.028 | 25.783 | -0.009 |
| 22.663 | -0.074 | 22.680 | -0.088 | 22.701 | -0.115 | 22.714 | -0.084 | 25.804 | 0.000 | 25.823 | 0.009 | 25.839 | 0.038 | 25.853 | 0.037 |
| 22.728 | -0.061 | 22.747 | -0.088 | 22.759 | -0.102 | 22.778 | -0.144 | 25.868 | 0.020 | 25.889 | 0.012 | 25.903 | 0.038 | 25.919 | 0.013 |
| 22.792 | -0.144 | 22.801 | -0.162 | 22.814 | -0.157 | 22.828 | -0.116 | 25.937 | 0.019 | 25.953 | 0.024 | 25.967 | 0.025 | 25.987 | 0.038 |
| 22.849 | -0.121 | 22.857 | -0.085 | 22.862 | -0.066 | 22.870 | -0.053 | 26.004 | 0.050 | 26.022 | 0.069 | 26.038 | 0.083 | 26.054 | 0.084 |
| 22.885 | -0.066 | 22.894 | -0.062 | 22.900 | -0.030 | 22.908 | -0.007 | 26.069 | 0.053 | 26.093 | 0.045 | 26.110 | 0.046 | 26.127 | 0.056 |
| 22.922 | -0.012 | 22.933 | 0.002 | 22.960 | -0.016 | 22.975 | 0.007 | 26.144 | 0.051 | 26.160 | 0.041 | 26.180 | 0.036 | 26.199 | 0.018 |
| 22.991 | 0.020 | 23.000 | 0.048 | 23.011 | 0.071 | 23.029 | 0.053 | 26.215 | 0.003 | 26.232 | 0.017 | 26.248 | -0.002 | 26.267 | 0.006 |
| 23.044 | 0.025 | 23.054 | 0.016 | 23.069 | 0.030 | 23.085 | 0.044 | 26.286 | 0.006 | 26.303 | 0.037 | 26.320 | -0.028 | 26.334 | 0.036 |
| 23.110 | 0.030 | 23.118 | 0.030 | 23.128 | 0.053 | 23.141 | 0.081 | 26.350 | 0.013 | 26.373 | 0.013 | 26.388 | -0.001 | 26.405 | -0.043 |
| 23.163 | 0.031 | 23.174 | 0.081 | 23.201 | 0.036 | 23.220 | 0.041 | 26.421 | -0.061 | 26.434 | -0.071 | 26.448 | -0.053 | 26.464 | -0.035 |
| 23.239 | 0.055 | 23.261 | 0.055 | 23.269 | 0.037 | 23.284 | 0.065 | 26.482 | -0.012 | 26.498 | 0.015 | 26.512 | 0.042 | 26.528 | 0.042 |
| 23.293 | 0.037 | 23.316 | 0.042 | 23.331 | 0.024 | 23.348 | 0.010 | 26.541 | 0.023 | 26.557 | -0.004 | 26.572 | -0.023 | 26.589 | -0.014 |
| 23.361 | 0.010 | 23.374 | -0.017 | 23.392 | 0.038 | 23.405 | 0.038 | 26.586 | -0.017 | 26.604 | -0.014 | 26.618 | 0.010 | 26.634 | 0.001 |
| 23.426 | 0.052 | 23.443 | 0.006 | 23.464 | -0.020 | 23.486 | -0.044 | 26.684 | -0.017 | 26.705 | -0.062 | 26.723 | -0.057 | 26.744 | -0.056 |
| 23.507 | -0.026 | 23.523 | -0.085 | 23.538 | -0.071 | 23.546 | -0.057 | 26.760 | -0.046 | 26.775 | -0.069 | 26.792 | -0.050 | 26.806 | -0.045 |
| 23.552 | -0.066 | 23.561 | -0.084 | 23.566 | -0.080 | 23.573 | -0.071 | 26.823 | -0.054 | 26.841 | -0.068 | 26.855 | -0.054 | 26.871 | -0.031 |
| 23.579 | -0.061 | 23.590 | -0.079 | 23.597 | -0.061 | 23.600 | -0.052 | 26.883 | -0.031 | 26.898 | -0.044 | 26.917 | -0.071 | 26.935 | -0.071 |
| 23.610 | -0.065 | 23.619 | -0.074 | 23.626 | -0.074 | 23.635 | -0.060 | 26.951 | -0.099 | 26.969 | -0.108 | 26.988 | -0.104 | 27.004 | -0.067 |
| 23.646 | -0.056 | 23.650 | -0.046 | 23.661 | -0.064 | 23.670 | -0.068 | 27.018 | -0.031 | 27.029 | -0.022 | 27.047 | -0.036 | 27.065 | -0.031 |
| 23.676 | -0.059 | 23.687 | -0.049 | 23.694 | -0.049 | 23.703 | -0.040 | 27.081 | -0.018 | 27.101 | -0.018 | 27.121 | -0.008 | 27.140 | 0.001 |
| 23.713 | -0.077 | 23.717 | -0.095 | 23.723 | -0.108 | 23.728 | -0.122 | 27.155 | 0.051 | 27.173 | 0.056 | 27.188 | 0.065 | 27.206 | 0.056 |
| 23.736 | -0.122 | 23.744 | -0.113 | 23.756 | -0.099 | 23.764 | -0.103 | 27.223 | 0.066 | 27.241 | 0.044 | 27.256 | 0.069 | 27.277 | 0.008 |
| 23.774 | -0.108 | 23.788 | -0.112 | 23.795 | -0.121 | 23.803 | -0.098 | 27.295 | 0.009 | 27.311 | 0.014 | 27.326 | 0.069 | 27.345 | 0.083 |
| 23.815 | -0.089 | 23.821 | -0.103 | 23.829 | -0.112 | 23.836 | -0.093 | 27.361 | 0.092 | 27.377 | 0.060 | 27.395 | 0.038 | 27.413 | 0.025 |
| 23.842 | -0.066 | 23.848 | -0.056 | 23.859 | -0.052 | 23.872 | -0.052 | 27.425 | 0.043 | 27.445 | 0.057 | 27.466 | 0.033 | 27.485 | 0.048 |
| 23.885 | -0.015 | 23.897 | 0.008 | 23.918 | 0.009 | 23.935 | 0.009 | 27.507 | 0.053 | 27.528 | 0.044 | 27.551 | 0.044 | 27.571 | 0.040 |
| 23.949 | 0.023 | 23.969 | 0.042 | 23.988 | 0.047 | 24.003 | 0.029 | 27.588 | 0.040 | 27.607 | 0.013 | 27.626 | 0.004 | 27.644 | -0.009 |
| 24.022 | 0.025 | 24.033 | 0.012 | 24.043 | -0.029 | 24.054 | -0.033 | 27.661 | 0.009 | 27.679 | 0.037 | 27.698 | 0.055 | 27.717 | 0.042 |
| 24.069 | -0.019 | 24.081 | 0.009 | 24.092 | 0.041 | 24.104 | 0.050 | 27.737 | 0.010 | 27.756 | -0.017 | 27.778 | -0.035 | 27.797 | -0.040 |
| 24.119 | 0.046 | 24.130 | 0.078 | 24.138 | 0.083 | 24.149 | 0.065 | 27.815 | -0.053 | 27.830 | -0.035 | 27.847 | 0.002 | 27.867 | 0.007 |
| 24.165 | 0.052 | 24.183 | 0.034 | 24.192 | 0.030 | 24.204 | 0.035 | 27.885 | 0.003 | 27.905 | -0.006 | 27.921 | -0.001 | 27.936 | 0.004 |
| 24.224 | 0.003 | 24.243 | 0.017 | 24.261 | 0.004 | 24.281 | 0.004 | 27.956 | -0.022 | 27.975 | -0.040 | 27.992 | -0.044 | 28.013 | -0.038 |
| 24.299 | -0.009 | 24.320 | -0.004 | 24.336 | 0.006 | 24.352 | 0.043 | 28.033 | -0.042 | 28.122 | -0.026 | 28.143 | -0.026 | 28.163 | -0.007 |
| 24.370 | 0.007 | 24.384 | 0.002 | 24.401 | 0.025 | 24.416 | 0.048 | 28.102 | -0.050 | 28.122 | -0.026 | 28.143 | -0.026 | 28.163 | -0.007 |
| 24.434 | 0.026 | 24.448 | 0.044 | 24.464 | 0.063 | 24.481 | 0.045 | 28.183 | -0.016 | 28.204 | -0.016 | 28.224 | -0.017 | 28.243 | -0.003 |
| 24.496 | -0.036 | 24.515 | -0.009 | 24.528 | -0.024 | 24.541 | -0.042 | 28.263 | -0.012 | 28.285 | -0.021 | 28.306 | -0.026 | 28.323 | -0.035 |
| 24.559 | -0.028 | 24.577 | -0.010 | 24.593 | -0.010 | 24.610 | -0.024 | 28.332 | -0.063 | 28.347 | -0.045 | 28.364 | -0.040 | 28.378 | -0.040 |
| 24.625 | 0.003 | 24.637 | 0.049 | 24.651 | 0.062 | 24.668 | 0.048 | 28.394 | -0.041 | 28.409 | -0.046 | 28.423 | -0.037 | 28.443 | -0.028 |
| 24.685 | 0.012 | 24.703 | 0.007 | 24.712 | -0.025 | 24.723 | -0.039 | 28.463 | -0.038 | 28.486 | -0.039 | 28.509 | -0.035 | 28.530 | -0.030 |
| 24.739 | -0.021 | 24.757 | -0.021 | 24.774 | -0.021 | 24.792 | -0.034 | 28.548 | -0.003 | 28.566 | 0.006 | 28.586 | 0.024 | 28.595 | 0.001 |
| 24.810 | -0.053 | 24.822 | -0.035 | 24.833 | -0.007 | 24.848 | 0.016 | 28.609 | -0.003 | 28.627 | 0.006 | 28.643 | -0.004 | 28.659 | -0.013 |
| 24.866 | -0.002 | 24.879 | 0.007 | 24.890 | 0.025 | 24.909 | 0.007 | 28.671 | -0.017 | 28.689 | 0.020 | 28.705 | 0.034 | 28.725 | 0.040 |
| 24.922 | 0.017 | 24.942 | 0.017 | 24.950 | 0.013 | 24.966 | -0.005 | 28.745 | 0.036 | 28.764 | 0.027 | 28.784 | 0.019 | 28.804 | 0.010 |
| 24.983 | 0.004 | 25.001 | 0.013 | 25.019 | 0.027 | 25.136 | 0.041 | 28.824 | -0.017 | 28.840 | 0.011 | 28.858 | 0.030 | 28.876 | 0.031 |
| 25.047 | 0.051 | 25.065 | 0.028 | 25.084 | 0.010 | 25.101 | -0.022 | 28.894 | 0.022 | 28.909 | 0.032 | 28.930 | 0.014 | 28.953 | 0.010 |
| 25.122 | -0.012 | 25.137 | -0.021 | 25.155 | 0.002 | 25.169 | 0.006 | 28.974 | 0.001 | 28.999 | -0.008 | 29.015 | -0.003 | 29.031 | -0.031 |

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|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| 29.053 | -0.026 | 29.069 | -0.038 | 29.084 | 0.011 | 29.096 | 0.043 | 32.560 | 0.007 | 32.575 | -0.011 | 32.591 | 0.003 | 32.614 | -0.015 |
| 29.113 | 0.057 | 29.129 | 0.052 | 29.148 | 0.038 | 29.168 | 0.029 | 32.634 | -0.006 | 32.655 | 0.008 | 32.672 | -0.001 | 32.690 | 0.009 |
| 29.194 | 0.015 | 29.214 | 0.010 | 29.224 | 0.031 | 29.235 | -0.017 | 32.710 | -0.018 | 32.726 | -0.004 | 32.743 | -0.026 | 32.766 | -0.002 |
| 29.248 | 0.014 | 29.261 | 0.028 | 29.279 | 0.023 | 29.295 | 0.028 | 32.781 | -0.011 | 32.794 | -0.015 | 32.818 | 0.004 | 32.838 | -0.005 |
| 29.315 | 0.033 | 29.331 | 0.013 | 29.351 | 0.004 | 29.366 | 0.008 | 32.856 | 0.008 | 32.878 | 0.004 | 32.896 | 0.031 | 32.915 | 0.031 |
| 29.382 | -0.033 | 29.402 | -0.020 | 29.422 | -0.006 | 29.437 | -0.006 | 32.930 | 0.022 | 32.946 | 0.026 | 32.967 | 0.026 | 32.987 | 0.030 |
| 29.453 | 0.007 | 29.470 | -0.002 | 29.488 | -0.002 | 29.509 | -0.007 | 33.010 | 0.025 | 33.026 | -0.003 | 33.045 | 0.020 | 33.061 | 0.006 |
| 29.525 | 0.025 | 29.542 | 0.052 | 29.561 | 0.070 | 29.578 | 0.057 | 33.081 | -0.009 | 33.101 | -0.004 | 33.120 | -0.028 | 33.127 | -0.032 |
| 29.594 | 0.016 | 29.615 | -0.016 | 29.635 | -0.019 | 29.653 | -0.011 | 33.148 | 0.014 | 33.165 | 0.005 | 33.183 | 0.046 | 33.199 | 0.046 |
| 29.665 | -0.011 | 29.675 | 0.012 | 29.694 | -0.006 | 29.711 | 0.012 | 33.215 | 0.033 | 33.227 | 0.051 | 33.240 | 0.042 | 33.252 | 0.061 |
| 29.728 | 0.013 | 29.749 | 0.009 | 29.767 | 0.018 | 29.788 | 0.051 | 33.268 | 0.047 | 33.288 | 0.043 | 33.302 | 0.034 | 33.317 | 0.052 |
| 29.807 | 0.069 | 29.824 | 0.061 | 29.837 | 0.052 | 29.858 | 0.048 | 33.336 | 0.039 | 33.355 | 0.044 | 33.370 | 0.039 | 33.386 | 0.062 |
| 29.873 | 0.053 | 29.893 | 0.035 | 29.907 | 0.026 | 29.924 | 0.040 | 33.403 | 0.053 | 33.420 | 0.035 | 33.440 | 0.053 | 33.460 | 0.071 |
| 29.939 | 0.045 | 29.954 | 0.068 | 29.969 | 0.045 | 29.978 | 0.032 | 33.473 | 0.066 | 33.484 | 0.053 | 33.494 | 0.071 | 33.504 | 0.080 |
| 29.991 | 0.037 | 30.008 | 0.023 | 30.026 | 0.024 | 30.044 | 0.015 | 33.514 | 0.057 | 33.527 | 0.025 | 33.545 | 0.020 | 33.565 | -0.012 |
| 30.065 | 0.033 | 30.081 | 0.028 | 30.097 | 0.042 | 30.113 | 0.033 | 33.581 | -0.007 | 33.597 | -0.016 | 33.612 | -0.026 | 33.625 | -0.007 |
| 30.127 | 0.037 | 30.145 | 0.014 | 30.160 | 0.023 | 30.170 | 0.028 | 33.643 | 0.002 | 33.653 | 0.034 | 33.662 | 0.048 | 33.679 | 0.029 |
| 30.179 | -0.009 | 30.186 | -0.046 | 30.202 | -0.019 | 30.216 | -0.037 | 33.693 | 0.043 | 33.712 | 0.002 | 33.732 | 0.012 | 33.748 | -0.016 |
| 30.230 | -0.020 | 30.245 | -0.047 | 30.257 | -0.052 | 30.268 | -0.034 | 33.771 | 0.017 | 33.785 | -0.011 | 33.801 | -0.015 | 33.814 | -0.060 |
| 30.281 | -0.012 | 30.299 | -0.012 | 30.314 | -0.008 | 30.327 | 0.006 | 33.830 | -0.046 | 33.845 | -0.060 | 33.860 | -0.060 | 33.878 | -0.046 |
| 30.337 | 0.029 | 30.345 | 0.043 | 30.362 | 0.015 | 30.376 | 0.015 | 33.895 | -0.041 | 33.908 | -0.041 | 33.922 | -0.031 | 33.939 | -0.040 |
| 30.397 | -0.026 | 30.413 | -0.013 | 30.432 | -0.040 | 30.450 | -0.017 | 33.958 | -0.063 | 33.975 | -0.068 | 33.991 | -0.026 | 34.010 | 0.001 |
| 30.468 | -0.049 | 30.489 | -0.016 | 30.510 | -0.052 | 30.526 | -0.029 | 34.024 | 0.015 | 34.040 | -0.008 | 34.058 | -0.012 | 34.076 | 0.001 |
| 30.540 | -0.060 | 30.557 | -0.051 | 30.568 | -0.046 | 30.582 | -0.018 | 34.092 | 0.016 | 34.112 | 0.012 | 34.134 | 0.012 | 34.146 | -0.006 |
| 30.597 | 0.005 | 30.609 | 0.028 | 30.621 | 0.042 | 30.635 | 0.028 | 34.158 | -0.047 | 34.170 | -0.065 | 34.188 | -0.041 | 34.204 | -0.050 |
| 30.650 | 0.010 | 30.660 | -0.035 | 30.670 | -0.067 | 30.687 | -0.044 | 34.217 | -0.058 | 34.232 | -0.047 | 34.248 | -0.039 | 34.266 | -0.006 |
| 30.703 | -0.094 | 30.722 | -0.062 | 30.741 | -0.071 | 30.750 | -0.043 | 34.286 | -0.005 | 34.306 | -0.036 | 34.325 | -0.008 | 34.338 | 0.020 |
| 30.759 | -0.016 | 30.771 | -0.034 | 30.785 | -0.003 | 30.806 | -0.048 | 34.354 | 0.048 | 34.369 | 0.012 | 34.386 | 0.003 | 34.406 | 0.012 |
| 30.824 | -0.002 | 30.839 | -0.011 | 30.851 | -0.024 | 30.868 | -0.010 | 34.423 | 0.003 | 34.439 | -0.015 | 34.455 | -0.001 | 34.471 | 0.008 |
| 30.882 | -0.005 | 30.900 | 0.022 | 30.912 | 0.018 | 30.929 | 0.037 | 34.493 | 0.017 | 34.510 | -0.010 | 34.526 | -0.019 | 34.536 | -0.070 |
| 30.949 | -0.004 | 30.965 | 0.023 | 30.980 | -0.013 | 30.994 | 0.001 | 34.545 | -0.088 | 34.557 | -0.079 | 34.569 | -0.052 | 34.585 | -0.025 |
| 31.010 | -0.036 | 31.022 | -0.036 | 31.036 | -0.063 | 31.051 | -0.040 | 34.598 | -0.048 | 34.615 | -0.039 | 34.627 | -0.067 | 34.641 | -0.035 |
| 31.063 | 0.017 | 31.076 | -0.012 | 31.090 | 0.029 | 31.106 | -0.021 | 34.659 | 0.010 | 34.673 | 0.033 | 34.689 | 0.051 | 34.705 | 0.028 |
| 31.123 | 0.025 | 31.141 | 0.025 | 31.151 | 0.043 | 31.160 | 0.062 | 34.719 | 0.010 | 34.733 | 0.038 | 34.745 | 0.056 | 34.752 | 0.061 |
| 31.165 | 0.034 | 31.172 | -0.021 | 31.181 | -0.048 | 31.196 | -0.011 | 34.762 | 0.038 | 34.772 | 0.025 | 34.785 | 0.048 | 34.796 | 0.041 |
| 31.210 | -0.020 | 31.226 | 0.003 | 31.234 | 0.003 | 31.249 | -0.025 | 34.808 | 0.007 | 34.824 | -0.031 | 34.844 | -0.032 | 34.862 | 0.041 |
| 31.266 | -0.020 | 31.278 | -0.020 | 31.288 | -0.015 | 31.302 | 0.013 | 34.876 | 0.024 | 34.887 | -0.003 | 34.900 | -0.007 | 34.908 | -0.025 |
| 31.318 | -0.015 | 31.334 | -0.010 | 31.354 | -0.010 | 31.375 | 0.013 | 34.924 | -0.002 | 34.937 | -0.019 | 34.950 | -0.042 | 34.962 | -0.014 |
| 31.390 | -0.001 | 31.404 | -0.014 | 31.423 | -0.014 | 31.442 | -0.000 | 34.974 | -0.004 | 34.989 | -0.022 | 35.001 | -0.017 | 35.014 | -0.007 |
| 31.458 | -0.019 | 31.470 | -0.032 | 31.487 | -0.028 | 31.507 | -0.046 | 35.026 | 0.030 | 35.041 | 0.054 | 35.056 | 0.036 | 35.077 | 0.032 |
| 31.525 | -0.032 | 31.541 | -0.010 | 31.552 | -0.000 | 31.569 | -0.032 | 35.094 | 0.010 | 35.108 | 0.006 | 35.121 | -0.003 | 35.142 | -0.002 |
| 31.580 | -0.009 | 31.590 | 0.009 | 31.607 | 0.005 | 31.625 | 0.005 | 35.155 | 0.021 | 35.164 | 0.030 | 35.174 | -0.007 | 35.186 | -0.043 |
| 31.641 | -0.027 | 31.660 | 0.010 | 31.672 | -0.009 | 31.688 | 0.001 | 35.202 | -0.048 | 35.217 | -0.034 | 35.233 | -0.012 | 35.247 | -0.039 |
| 31.707 | -0.031 | 31.725 | -0.004 | 31.742 | -0.013 | 31.752 | -0.035 | 35.267 | -0.040 | 35.288 | -0.031 | 35.307 | -0.023 | 35.325 | -0.009 |
| 31.767 | -0.031 | 31.782 | -0.044 | 31.795 | -0.021 | 31.807 | -0.003 | 35.341 | 0.018 | 35.355 | -0.045 | 35.372 | 0.017 | 35.387 | 0.012 |
| 31.819 | -0.039 | 31.837 | -0.007 | 31.856 | 0.016 | 31.872 | 0.030 | 35.400 | -0.016 | 35.419 | -0.007 | 35.435 | 0.007 | 35.456 | 0.011 |
| 31.887 | 0.011 | 31.903 | 0.030 | 31.923 | -0.011 | 31.947 | 0.003 | 35.475 | 0.002 | 35.489 | -0.016 | 35.507 | -0.012 | 35.523 | -0.016 |
| 31.963 | -0.002 | 31.982 | 0.012 | 32.001 | 0.004 | 32.020 | 0.004 | 35.537 | -0.030 | 35.553 | -0.016 | 35.569 | 0.011 | 35.580 | -0.007 |
| 32.044 | -0.013 | 32.062 | -0.014 | 32.080 | 0.000 | 32.098 | -0.027 | 35.594 | -0.034 | 35.612 | -0.034 | 35.631 | -0.011 | 35.646 | -0.006 |
| 32.114 | -0.031 | 32.130 | -0.003 | 32.145 | -0.012 | 32.164 | -0.007 | 35.662 | 0.021 | 35.682 | 0.012 | 35.703 | -0.015 | 35.716 | -0.006 |
| 32.181 | 0.011 | 32.200 | 0.007 | 32.220 | 0.025 | 32.238 | 0.039 | 35.732 | -0.060 | 35.751 | -0.028 | 35.767 | -0.046 | 35.785 | -0.023 |
| 32.251 | 0.003 | 32.263 | -0.011 | 32.281 | 0.017 | 32.297 | 0.004 | 35.803 | -0.041 | 35.824 | -0.050 | 35.841 | -0.050 | 35.852 | 0.014 |
| 32.312 | -0.005 | 32.329 | 0.018 | 32.343 | 0.027 | 32.361 | 0.005 | 35.864 | 0.033 | 35.877 | 0.014 | 35.895 | 0.001 | 35.912 | -0.017 |
| 32.379 | 0.023 | 32.394 | 0.005 | 32.407 | -0.022 | 32.423 | -0.017 | 35.933 | 0.019 | 35.949 | -0.013 | 35.967 | 0.006 | 35.987 | 0.001 |
| 32.440 | -0.026 | 32.455 | -0.031 | 32.474 | -0.003 | 32.499 | 0.020 | 36.005 | 0.024 | 36.028 | -0.020 | 36.054 | 0.002 | 36.079 | 0.006 |
| 32.497 | 0.024 | 32.509 | 0.015 | 32.524 | 0.034 | 32.541 | 0.020 | *36.099 | 0.038 | 36.110 | 0.066 | 36.119 | 0.038 | 36.132 | 0.016 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 36.140 | 0.011 | 36.148 | 0.029 | 36.157 | 0.029 | 36.167 | 0.016 | 39.373 | 0.010 | 39.388 | -0.003 | 39.408 | -0.007 | 39.430 | -0.016 |
| 36.176 | 0.011 | 36.188 | 0.006 | 36.201 | 0.006 | 36.211 | -0.012 | 39.452 | -0.020 | 39.471 | -0.002 | 39.496 | -0.006 | 39.522 | -0.024 |
| 36.224 | 0.006 | 36.238 | 0.025 | 36.248 | 0.048 | 36.254 | 0.037 | 39.541 | -0.010 | 39.556 | -0.009 | 39.574 | -0.004 | 39.587 | 0.009 |
| 36.266 | 0.061 | 36.282 | 0.066 | 36.295 | 0.061 | 36.310 | 0.070 | 39.602 | 0.019 | 39.622 | 0.019 | 39.638 | 0.038 | 39.655 | 0.047 |
| 36.321 | 0.052 | 36.331 | 0.061 | 36.338 | 0.080 | 36.348 | 0.070 | 39.671 | 0.048 | 39.690 | 0.048 | 39.707 | 0.062 | 39.722 | 0.058 |
| 36.359 | 0.061 | 36.368 | 0.038 | 36.373 | 0.029 | 36.384 | 0.025 | 39.733 | 0.058 | 39.748 | 0.040 | 39.767 | 0.022 | 39.784 | 0.036 |
| 36.397 | 0.048 | 36.404 | 0.070 | 36.409 | 0.084 | 36.420 | 0.057 | 39.799 | 0.027 | 39.817 | 0.031 | 39.833 | 0.041 | 39.849 | 0.045 |
| 36.431 | 0.043 | 36.443 | 0.043 | 36.456 | 0.043 | 36.466 | 0.057 | 39.860 | 0.050 | 39.874 | 0.054 | 39.889 | 0.050 | 39.904 | 0.045 |
| 36.479 | 0.057 | 36.489 | 0.029 | 36.502 | 0.034 | 36.512 | 0.039 | 39.920 | 0.059 | 39.931 | 0.073 | 39.946 | 0.064 | 39.959 | 0.077 |
| 36.522 | 0.025 | 36.534 | 0.011 | 36.543 | 0.030 | 36.559 | 0.030 | 39.976 | 0.086 | 39.992 | 0.091 | 40.006 | 0.082 | 40.019 | 0.086 |
| 36.573 | 0.016 | 36.586 | 0.016 | 36.596 | 0.012 | 36.612 | 0.021 | 40.035 | 0.073 | 40.053 | 0.073 | 40.065 | 0.054 | 40.078 | 0.059 |
| 36.631 | 0.025 | 36.648 | 0.030 | 36.663 | 0.021 | 36.680 | 0.017 | 40.096 | 0.050 | 40.117 | 0.036 | 40.137 | 0.041 | 40.156 | 0.040 |
| 36.696 | 0.021 | 36.714 | 0.026 | 36.733 | 0.040 | 36.755 | 0.054 | 40.176 | 0.050 | 40.191 | 0.040 | 40.204 | 0.036 | 40.217 | 0.040 |
| 36.775 | 0.054 | 36.794 | 0.050 | 36.810 | 0.059 | 36.818 | 0.059 | 40.235 | 0.031 | 40.245 | 0.026 | 40.254 | 0.012 | 40.263 | 0.003 |
| 36.828 | 0.059 | 36.839 | 0.037 | 36.848 | 0.019 | 36.858 | -0.023 | 40.276 | 0.017 | 40.295 | 0.021 | 40.314 | 0.030 | 40.332 | 0.021 |
| 36.869 | -0.032 | 36.883 | -0.027 | 36.897 | -0.031 | 36.915 | -0.022 | 40.350 | 0.017 | 40.368 | 0.022 | 40.389 | 0.004 | 40.412 | 0.013 |
| 36.933 | -0.013 | 36.944 | 0.001 | 36.955 | 0.015 | 36.968 | -0.003 | 40.437 | 0.008 | 40.463 | -0.000 | 40.486 | -0.005 | 40.514 | 0.001 |
| 36.983 | -0.012 | 36.995 | 0.006 | 37.009 | 0.006 | 37.017 | 0.029 | 40.542 | -0.003 | 40.568 | -0.012 | 40.589 | -0.012 | 40.611 | 0.007 |
| 37.029 | 0.047 | 37.042 | 0.052 | 37.055 | 0.061 | 37.067 | 0.048 | 40.632 | -0.002 | 40.655 | -0.001 | 40.673 | -0.006 | 40.688 | -0.006 |
| 37.078 | 0.066 | 37.091 | 0.079 | 37.103 | 0.075 | 37.116 | 0.056 | 40.701 | 0.003 | 40.719 | 0.008 | 40.738 | 0.027 | 40.756 | 0.036 |
| 37.132 | 0.052 | 37.145 | 0.056 | 37.152 | 0.065 | 37.162 | 0.061 | 40.776 | 0.031 | 40.794 | 0.027 | 40.810 | 0.023 | 40.825 | 0.019 |
| 37.177 | 0.038 | 37.195 | 0.010 | 37.208 | -0.022 | 37.220 | 0.005 | 40.844 | 0.010 | 40.850 | 0.001 | 40.860 | 0.006 | 40.875 | 0.011 |
| 37.244 | 0.001 | 37.271 | 0.014 | 37.289 | 0.027 | 37.297 | 0.036 | 40.892 | 0.020 | 40.908 | 0.011 | 40.920 | 0.012 | 40.938 | -0.002 |
| 37.312 | 0.032 | 37.322 | 0.059 | 37.330 | 0.077 | 37.342 | 0.068 | 40.947 | 0.008 | 40.962 | 0.013 | 40.977 | 0.022 | 40.992 | 0.032 |
| 37.352 | 0.054 | 37.365 | 0.049 | 37.382 | 0.021 | 37.395 | 0.053 | 41.010 | 0.028 | 41.025 | 0.029 | 41.042 | 0.029 | 41.053 | 0.030 |
| 37.414 | 0.002 | 37.432 | 0.020 | 37.452 | 0.020 | 37.463 | 0.015 | 41.065 | 0.030 | 41.076 | 0.035 | 41.090 | 0.036 | 41.102 | 0.036 |
| 37.477 | 0.020 | 37.489 | 0.038 | 37.501 | 0.024 | 37.514 | 0.005 | 41.118 | 0.036 | 41.134 | 0.032 | 41.150 | 0.037 | 41.165 | 0.033 |
| 37.530 | 0.001 | 37.545 | 0.010 | 37.562 | -0.004 | 37.580 | -0.009 | 41.178 | 0.038 | 41.193 | 0.042 | 41.206 | 0.047 | 41.221 | 0.048 |
| 37.607 | -0.005 | 37.623 | 0.009 | 37.632 | 0.022 | 37.651 | 0.032 | 41.237 | 0.048 | 41.253 | 0.053 | 41.269 | 0.035 | 41.286 | 0.021 |
| 37.665 | 0.041 | 37.683 | 0.050 | 37.698 | 0.037 | 37.708 | 0.018 | 41.304 | 0.017 | 41.322 | 0.022 | 41.342 | 0.022 | 41.362 | 0.013 |
| 37.728 | 0.032 | 37.745 | 0.023 | 37.765 | 0.032 | 37.784 | 0.028 | 41.380 | 0.017 | 41.400 | 0.027 | 41.422 | 0.022 | 41.442 | 0.036 |
| 37.799 | 0.019 | 37.818 | 0.024 | 37.831 | 0.047 | 37.846 | 0.038 | 41.458 | 0.045 | 41.474 | 0.036 | 41.490 | 0.040 | 41.507 | 0.031 |
| 37.856 | 0.038 | 37.867 | 0.052 | 37.878 | 0.030 | 37.891 | 0.030 | 41.525 | 0.040 | 41.539 | 0.063 | 41.555 | 0.058 | 41.572 | 0.072 |
| 37.906 | 0.044 | 37.930 | 0.040 | 37.949 | 0.040 | 37.965 | 0.050 | 41.589 | 0.067 | 41.603 | 0.067 | 41.617 | 0.067 | 41.637 | 0.058 |
| 38.035 | 0.006 | 38.054 | 0.006 | 38.069 | -0.002 | 38.083 | -0.002 | 41.654 | 0.053 | 41.671 | 0.039 | 41.685 | 0.039 | 41.700 | 0.035 |
| 38.093 | 0.007 | 38.106 | 0.035 | 38.126 | 0.027 | 38.143 | 0.036 | 41.716 | 0.039 | 41.730 | 0.039 | 41.744 | 0.030 | 41.767 | 0.040 |
| 38.162 | 0.032 | 38.177 | 0.032 | 38.191 | 0.019 | 38.205 | 0.000 | 41.780 | 0.035 | 41.798 | 0.031 | 41.812 | 0.035 | 41.831 | 0.035 |
| 38.222 | 0.019 | 38.234 | 0.010 | 38.247 | 0.038 | 38.255 | 0.061 | 41.847 | 0.026 | 41.860 | 0.031 | 41.873 | 0.049 | 41.885 | 0.050 |
| 38.269 | 0.056 | 38.286 | 0.066 | 38.298 | 0.052 | 38.307 | 0.016 | 41.897 | 0.054 | 41.909 | 0.036 | 41.919 | 0.031 | 41.932 | 0.031 |
| 38.323 | 0.016 | 38.336 | 0.002 | 38.347 | 0.006 | 38.363 | 0.020 | 41.946 | 0.031 | 41.959 | 0.031 | 41.975 | 0.026 | 41.986 | 0.017 |
| 38.378 | 0.029 | 38.396 | 0.025 | 38.413 | 0.043 | 38.433 | 0.038 | 42.002 | 0.008 | 42.015 | -0.006 | 42.029 | -0.011 | 42.045 | -0.011 |
| 38.454 | 0.038 | 38.471 | 0.038 | 38.488 | 0.025 | 38.505 | 0.029 | 42.057 | 0.007 | 42.070 | 0.007 | 42.085 | 0.012 | 42.099 | 0.012 |
| 38.521 | 0.025 | 38.537 | 0.029 | 38.554 | 0.011 | 38.569 | 0.002 | 42.113 | 0.012 | 42.126 | 0.021 | 42.139 | 0.012 | 42.152 | 0.003 |
| 38.584 | 0.006 | 38.595 | 0.016 | 38.605 | 0.034 | 38.620 | 0.034 | 42.164 | -0.006 | 42.177 | -0.000 | 42.191 | 0.000 | 42.216 | 0.019 |
| 38.637 | 0.025 | 38.650 | 0.034 | 38.667 | 0.002 | 38.686 | 0.029 | 42.236 | 0.015 | 42.259 | 0.021 | | | | |
| 38.703 | 0.029 | 38.721 | 0.025 | 38.739 | 0.029 | 38.755 | 0.057 | | | | | | | | |
| 38.770 | 0.061 | 38.787 | 0.057 | 38.800 | 0.048 | 38.817 | 0.052 | | | | | | | | |
| 38.833 | 0.016 | 38.848 | 0.034 | 38.862 | 0.048 | 38.877 | 0.020 | | | | | | | | |
| 38.894 | 0.029 | 38.908 | 0.038 | 38.921 | 0.038 | 38.930 | 0.066 | | | | | | | | |
| 38.949 | 0.066 | 38.964 | 0.066 | 38.979 | 0.048 | 38.993 | 0.034 | | | | | | | | |
| 39.011 | 0.025 | 39.031 | 0.034 | 39.050 | 0.030 | 39.074 | 0.025 | | | | | | | | |
| 39.097 | 0.016 | 39.118 | 0.025 | 39.136 | 0.016 | 39.161 | 0.026 | | | | | | | | |
| 39.184 | 0.031 | 39.213 | 0.026 | 39.234 | 0.013 | 39.249 | 0.013 | | | | | | | | |
| 39.261 | 0.032 | 39.277 | 0.046 | 39.292 | 0.037 | 39.309 | 0.028 | | | | | | | | |
| 39.320 | 0.023 | 39.330 | 0.005 | 39.344 | 0.015 | 39.359 | 0.006 | | | | | | | | |

IQ237

71.166 2/9/71 0600PST HOLLYWOOD 1760 N. ORCHID AV. 12TH FL SOUTH

2940 POINTS 41.151 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 0.1716 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | 0.009 | 0.010 | 0.023 | 0.016 | 0.037 | 0.023 | 0.043 | 2.365 | -0.120 | 2.375 | -0.100 | 2.384 | -0.066 | 2.399 | -0.066 | 2.399 | -0.066 |
| 0.031 | 0.043 | 0.039 | 0.015 | 0.050 | 0.001 | 0.061 | 0.014 | 2.412 | -0.061 | 2.426 | 0.000 | 2.440 | 0.007 | 2.455 | 0.006 | 2.455 | 0.006 |
| 0.069 | 0.028 | 0.080 | 0.027 | 0.039 | 0.020 | 0.101 | 0.027 | 2.472 | -0.022 | 2.479 | 0.023 | 2.488 | 0.033 | 2.504 | 0.081 | 2.504 | 0.081 |
| 0.108 | 0.040 | 0.117 | 0.054 | 0.126 | 0.081 | 0.136 | 0.115 | 2.522 | 0.017 | 2.540 | -0.037 | 2.558 | 0.058 | 2.573 | 0.057 | 2.573 | 0.057 |
| 0.151 | 0.135 | 0.160 | 0.114 | 0.170 | 0.064 | 0.179 | 0.029 | 2.585 | 0.056 | 2.601 | 0.001 | 2.616 | -0.021 | 2.636 | -0.049 | 2.636 | -0.049 |
| 0.197 | 0.007 | 0.212 | 0.006 | 0.230 | -0.016 | 0.247 | -0.037 | 2.655 | -0.049 | 2.670 | -0.001 | 2.679 | 0.061 | 2.689 | 0.117 | 2.689 | 0.117 |
| 0.263 | -0.031 | 0.286 | 0.023 | 0.296 | 0.064 | 0.313 | 0.085 | 2.696 | 0.131 | 2.707 | 0.068 | 2.715 | 0.026 | 2.733 | -0.009 | 2.733 | -0.009 |
| 0.333 | 0.098 | 0.351 | 0.049 | 0.371 | -0.020 | 0.389 | -0.042 | 2.745 | -0.051 | 2.759 | -0.106 | 2.772 | -0.127 | 2.792 | -0.085 | 2.792 | -0.085 |
| 0.405 | -0.035 | 0.427 | -0.043 | 0.444 | -0.043 | 0.462 | -0.009 | 2.812 | 0.005 | 2.824 | 0.040 | 2.834 | 0.082 | 2.844 | -0.077 | 2.844 | -0.077 |
| 0.485 | 0.081 | 0.496 | 0.136 | 0.506 | 0.150 | 0.520 | 0.156 | 2.861 | 0.138 | 2.871 | 0.117 | 2.885 | 0.013 | 2.898 | -0.042 | 2.898 | -0.042 |
| 0.533 | 0.167 | 0.560 | 0.065 | 0.572 | -0.005 | 0.583 | -0.033 | 2.912 | -0.077 | 2.920 | -0.043 | 2.941 | -0.028 | 2.960 | -0.042 | 2.960 | -0.042 |
| 0.600 | -0.027 | 0.617 | -0.062 | 0.632 | -0.014 | 0.656 | -0.083 | 2.978 | -0.063 | 2.982 | -0.000 | 2.991 | 0.076 | 3.006 | 0.125 | 3.006 | 0.125 |
| 0.672 | 0.110 | 0.679 | 0.130 | 0.694 | 0.053 | 0.705 | -0.003 | 3.017 | 0.140 | 3.029 | 0.154 | 3.045 | 0.224 | 3.065 | 0.155 | 3.065 | 0.155 |
| 0.719 | -0.059 | 0.731 | -0.388 | 0.745 | -0.033 | 0.758 | 0.043 | 3.085 | 0.037 | 3.104 | -0.011 | 3.116 | 0.059 | 3.134 | 0.122 | 3.134 | 0.122 |
| 0.777 | 0.026 | 0.796 | 0.013 | 0.807 | 0.001 | 0.818 | -0.036 | 3.146 | 0.143 | 3.155 | 0.143 | 3.164 | 0.157 | 3.181 | 0.219 | 3.181 | 0.219 |
| 0.826 | -0.050 | 0.838 | -0.030 | 0.856 | 0.011 | 0.873 | 0.004 | 3.194 | 0.178 | 3.207 | 0.129 | 3.222 | 0.136 | 3.237 | 0.053 | 3.237 | 0.053 |
| 0.889 | -0.011 | 0.901 | -0.025 | 0.917 | 0.072 | 0.929 | 0.134 | 3.254 | 0.011 | 3.265 | -0.066 | 3.286 | -0.114 | 3.301 | -0.003 | 3.301 | -0.003 |
| 0.939 | 0.154 | 0.962 | 0.063 | 0.981 | -0.021 | 1.002 | -0.022 | 3.311 | 0.087 | 3.324 | 0.122 | 3.338 | 0.143 | 3.355 | 0.087 | 3.355 | 0.087 |
| 1.021 | -0.008 | 1.034 | 0.005 | 1.051 | -0.023 | 1.072 | -0.038 | 3.372 | 0.108 | 3.386 | 0.122 | 3.406 | 0.060 | 3.427 | 0.019 | 3.427 | 0.019 |
| 1.093 | -0.011 | 1.114 | 0.071 | 1.131 | 0.126 | 1.145 | 0.112 | 3.442 | -0.002 | 3.461 | -0.015 | 3.478 | -0.022 | 3.499 | 0.062 | 3.499 | 0.062 |
| 1.152 | 0.042 | 1.167 | -0.035 | 1.182 | -0.035 | 1.198 | -0.059 | 3.512 | 0.104 | 3.525 | 0.125 | 3.546 | 0.175 | 3.569 | 0.127 | 3.569 | 0.127 |
| 1.211 | -0.078 | 1.226 | -0.107 | 1.239 | -0.135 | 1.255 | -0.059 | 3.588 | 0.038 | 3.604 | -0.038 | 3.617 | -0.051 | 3.628 | -0.009 | 3.628 | -0.009 |
| 1.269 | -0.011 | 1.288 | 0.016 | 1.310 | 0.140 | 1.315 | 0.154 | 3.643 | 0.020 | 3.661 | -0.021 | 3.679 | 0.035 | 3.705 | 0.057 | 3.705 | 0.057 |
| 1.330 | 0.091 | 1.352 | 0.042 | 1.376 | -0.001 | 1.381 | 0.020 | 3.710 | 0.085 | 3.725 | 0.037 | 3.742 | -0.060 | 3.753 | -0.081 | 3.753 | -0.081 |
| 1.394 | 0.054 | 1.413 | -0.030 | 1.426 | -0.079 | 1.439 | -0.045 | 3.768 | -0.080 | 3.779 | -0.025 | 3.789 | -0.024 | 3.798 | -0.052 | 3.798 | -0.052 |
| 1.450 | 0.024 | 1.462 | 0.107 | 1.469 | 0.128 | 1.481 | 0.127 | 3.808 | 0.052 | 3.826 | 0.018 | 3.841 | -0.030 | 3.869 | -0.093 | 3.869 | -0.093 |
| 1.499 | 0.120 | 1.511 | 0.346 | 1.526 | -0.061 | 1.542 | -0.051 | 3.863 | 0.005 | 3.873 | 0.067 | 3.887 | 0.054 | 3.898 | -0.016 | 3.898 | -0.016 |
| 1.551 | -0.061 | 1.565 | -0.389 | 1.576 | 0.002 | 1.591 | 0.071 | 3.912 | -0.057 | 3.925 | -0.098 | 3.930 | -0.119 | 3.941 | -0.056 | 3.941 | -0.056 |
| 1.605 | 0.085 | 1.617 | 0.057 | 1.636 | 0.051 | 1.659 | 0.051 | 3.952 | 0.006 | 3.966 | 0.006 | 3.979 | 0.027 | 3.992 | 0.041 | 3.992 | 0.041 |
| 1.679 | 0.016 | 1.695 | -0.039 | 1.716 | -0.122 | 1.737 | 0.018 | 4.006 | -0.035 | 4.019 | -0.139 | 4.035 | -0.194 | 4.062 | -0.201 | 4.062 | -0.201 |
| 1.752 | 0.095 | 1.771 | 0.144 | 1.784 | 0.061 | 1.799 | -0.001 | 4.053 | -0.125 | 4.074 | -0.013 | 4.092 | 0.154 | 4.102 | 0.008 | 4.102 | 0.008 |
| 1.819 | -0.008 | 1.829 | -0.000 | 1.846 | 0.035 | 1.860 | 0.070 | 4.126 | 0.064 | 4.143 | 0.147 | 4.144 | 0.071 | 4.162 | 0.057 | 4.162 | 0.057 |
| 1.871 | 0.022 | 1.889 | -0.006 | 1.906 | -0.020 | 1.918 | -0.007 | 4.170 | 0.044 | 4.191 | 0.065 | 4.206 | 0.030 | 4.217 | 0.016 | 4.217 | 0.016 |
| 1.939 | 0.104 | 1.964 | 0.104 | 1.976 | 0.067 | 1.997 | -0.098 | 4.232 | -0.025 | 4.252 | -0.046 | 4.263 | 0.010 | 4.272 | 0.052 | 4.272 | 0.052 |
| 2.002 | -0.056 | 2.023 | 0.044 | 2.049 | 0.034 | 2.067 | 0.067 | 4.285 | 0.059 | 4.300 | 0.066 | 4.313 | 0.059 | 4.328 | 0.059 | 4.328 | 0.059 |
| 2.082 | 0.038 | 2.099 | 0.072 | 2.107 | 0.099 | 2.119 | 0.098 | 4.341 | 0.066 | 4.351 | 0.066 | 4.360 | -0.017 | 4.372 | -0.107 | 4.372 | -0.107 |
| 2.129 | 0.077 | 2.143 | -0.000 | 2.162 | -0.043 | 2.182 | 0.004 | 4.391 | -0.163 | 4.408 | -0.190 | 4.421 | -0.141 | 4.433 | -0.099 | 4.433 | -0.099 |
| 2.196 | 0.059 | 2.214 | 0.113 | 2.225 | 0.154 | 2.240 | 0.084 | 4.446 | -0.044 | 4.457 | 0.026 | 4.464 | 0.061 | 4.478 | 0.096 | 4.478 | 0.096 |
| 2.253 | 0.041 | 2.273 | -0.030 | 2.289 | -0.087 | 2.302 | -0.032 | 4.491 | 0.117 | 4.506 | 0.152 | 4.519 | 0.152 | 4.534 | 0.160 | 4.534 | 0.160 |
| 2.318 | -0.068 | 2.335 | -0.083 | 2.348 | -0.056 | 2.357 | -0.099 | 4.552 | 0.007 | 4.566 | -0.118 | 4.576 | -0.117 | 4.587 | -0.048 | 4.587 | -0.048 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4.597 | -0.013 | 4.608 | 0.099 | 4.615 | 0.147 | 4.622 | 0.176 | 7.491 | 0.422 | 7.506 | 0.269 | 7.514 | 0.095 | 7.531 | -0.196 |
| 4.630 | 0.197 | 4.639 | 0.183 | 4.652 | 0.184 | 4.663 | 0.226 | 7.550 | -0.439 | 7.565 | -0.641 | 7.572 | -0.731 | 7.592 | -0.592 |
| 4.672 | 0.275 | 4.684 | 0.227 | 4.699 | 0.130 | 4.712 | 0.068 | 7.604 | -0.196 | 7.609 | 0.152 | 7.629 | 0.305 | 7.640 | 0.242 |
| 4.722 | 0.020 | 4.733 | -0.049 | 4.749 | -0.104 | 4.758 | -0.104 | 7.650 | 0.019 | 7.669 | -0.224 | 7.674 | -0.238 | 7.694 | -0.273 |
| 4.770 | 0.001 | 4.789 | 0.127 | 4.795 | 0.120 | 4.805 | 0.107 | 7.702 | -0.322 | 7.716 | -0.475 | 7.732 | -0.600 | 7.745 | -0.656 |
| 4.827 | 0.101 | 4.838 | 0.025 | 4.849 | -0.030 | 4.868 | 0.019 | 7.770 | -0.629 | 7.779 | -0.407 | 7.791 | -0.233 | 7.802 | -0.164 |
| 4.873 | 0.047 | 4.890 | 0.061 | 4.903 | 0.131 | 4.920 | 0.229 | 7.827 | -0.095 | 7.835 | -0.158 | 7.857 | -0.138 | 7.875 | -0.145 |
| 4.927 | 0.132 | 4.940 | 0.021 | 4.956 | 0.021 | 4.970 | 0.036 | 7.887 | -0.292 | 7.891 | -0.347 | 7.892 | -0.348 | 7.906 | -0.202 |
| 4.984 | -0.103 | 4.994 | -0.207 | 5.004 | -0.103 | 5.017 | 0.051 | 7.924 | -0.009 | 7.940 | 0.102 | 7.959 | 0.046 | 7.970 | -0.024 |
| 5.031 | 0.100 | 5.040 | 0.086 | 5.055 | 0.093 | 5.071 | 0.198 | 7.985 | -0.129 | 8.007 | -0.227 | 8.040 | -0.285 | 8.067 | -0.328 |
| 5.077 | 0.254 | 5.094 | 0.275 | 5.097 | 0.261 | 5.109 | 0.310 | 8.067 | -0.328 | 8.088 | -0.120 | 8.105 | 0.122 | 8.118 | 0.393 |
| 5.122 | 0.338 | 5.132 | 0.248 | 5.147 | 0.081 | 5.170 | 0.054 | 8.137 | 0.732 | 8.148 | 0.794 | 8.157 | 0.814 | 8.161 | 0.773 |
| 5.172 | 0.026 | 5.184 | 0.026 | 5.197 | -0.029 | 5.211 | -0.084 | 8.228 | -0.175 | 8.239 | -0.245 | 8.249 | -0.253 | 8.253 | -0.273 |
| 5.228 | -0.160 | 5.238 | -0.167 | 5.249 | -0.077 | 5.255 | -0.034 | 8.269 | -0.038 | 8.292 | 0.211 | 8.301 | 0.288 | 8.320 | 0.266 |
| 5.267 | 0.118 | 5.275 | 0.167 | 5.281 | 0.181 | 5.302 | 0.091 | 8.332 | 0.141 | 8.343 | -0.006 | 8.360 | 0.077 | 8.371 | 0.299 |
| 5.319 | 0.068 | 5.333 | -0.048 | 5.343 | -0.075 | 5.352 | -0.020 | 8.388 | 0.688 | 8.389 | 0.688 | 8.399 | 0.736 | 8.416 | 0.638 |
| 5.363 | 0.043 | 5.374 | 0.050 | 5.395 | -0.095 | 5.404 | -0.241 | 8.427 | 0.374 | 8.435 | 0.054 | 8.447 | -0.051 | 8.453 | -0.037 |
| 5.417 | -0.387 | 5.431 | -0.484 | 5.444 | -0.581 | 5.453 | -0.602 | 8.467 | 0.032 | 8.476 | 0.108 | 8.489 | 0.267 | 8.515 | 0.385 |
| 5.466 | -0.455 | 5.476 | -0.247 | 5.491 | -0.066 | 5.498 | -0.115 | 8.527 | 0.419 | 8.535 | 0.370 | 8.546 | 0.113 | 8.551 | -0.095 |
| 5.514 | -0.107 | 5.522 | 0.059 | 5.532 | 0.164 | 5.554 | 0.136 | 8.556 | -0.137 | 8.574 | -0.068 | 8.585 | 0.092 | 8.602 | 0.265 |
| 5.561 | 0.095 | 5.576 | -0.072 | 5.594 | -0.189 | 5.609 | -0.120 | 8.615 | 0.299 | 8.641 | 0.174 | 8.644 | 0.175 | 8.670 | 0.215 |
| 5.619 | -0.022 | 5.644 | -0.043 | 5.654 | -0.209 | 5.662 | -0.286 | 8.678 | 0.402 | 8.694 | 0.645 | 8.712 | 0.895 | 8.724 | 0.860 |
| 5.675 | -0.278 | 5.696 | -0.125 | 5.706 | 0.056 | 5.719 | 0.209 | 8.743 | 0.595 | 8.746 | 0.575 | 8.761 | 0.442 | 8.780 | 0.484 |
| 5.725 | 0.278 | 5.745 | 0.160 | 5.748 | -0.006 | 5.755 | -0.013 | 8.798 | 0.636 | 8.811 | 0.671 | 8.832 | 0.490 | 8.840 | 0.413 |
| 5.773 | 0.091 | 5.787 | 0.154 | 5.802 | 0.175 | 5.813 | 0.133 | 8.868 | 0.497 | 8.873 | 0.448 | 8.888 | 0.309 | 8.906 | 0.156 |
| 5.821 | 0.057 | 5.836 | -0.137 | 5.845 | -0.269 | 5.854 | -0.373 | 8.927 | -0.093 | 8.927 | -0.004 | 8.952 | -0.081 | 8.984 | -0.081 |
| 5.862 | -0.401 | 5.877 | -0.429 | 5.894 | -0.470 | 5.911 | -0.484 | 8.980 | -0.081 | 9.011 | 0.037 | 9.028 | 0.023 | 9.051 | 0.141 |
| 5.923 | -0.491 | 5.935 | -0.338 | 5.948 | -0.192 | 5.959 | -0.074 | 9.071 | 0.155 | 9.073 | 0.037 | 9.091 | -0.136 | 9.109 | -0.525 |
| 5.970 | 0.017 | 5.987 | 0.079 | 5.996 | 0.072 | 6.011 | 0.135 | 9.116 | -0.574 | 9.131 | -0.428 | 9.145 | -0.234 | 9.155 | 0.225 |
| 6.026 | 0.191 | 6.032 | 0.163 | 6.042 | -0.024 | 6.052 | -0.267 | 9.159 | 0.336 | 9.170 | 0.371 | 9.192 | 0.218 | 9.202 | 0.107 |
| 6.067 | -0.420 | 6.082 | -0.483 | 6.104 | -0.427 | 6.105 | -0.427 | 9.220 | 0.065 | 9.244 | 0.211 | 9.278 | 0.155 | 9.287 | 0.190 |
| 6.117 | -0.121 | 6.129 | 0.025 | 6.136 | 0.108 | 6.149 | 0.157 | 9.306 | 0.176 | 9.321 | 0.037 | 9.326 | -0.025 | 9.341 | 0.135 |
| 6.173 | 0.192 | 6.185 | 0.178 | 6.198 | 0.179 | 6.218 | 0.235 | 9.371 | 0.468 | 9.424 | 0.558 | 9.390 | 0.544 | 9.400 | 0.336 |
| 6.234 | 0.450 | 6.243 | 0.700 | 6.247 | 0.735 | 6.261 | 0.479 | 9.408 | 0.128 | 9.479 | -0.046 | 9.442 | -0.109 | 9.449 | -0.359 |
| 6.278 | 0.027 | 6.295 | -0.292 | 6.305 | -0.549 | 6.312 | -0.604 | 9.506 | -0.456 | 9.523 | -0.109 | 9.534 | -0.016 | 9.556 | 0.114 |
| 6.321 | -0.479 | 6.334 | -0.201 | 6.345 | 0.070 | 6.354 | 0.174 | 9.576 | -0.241 | 9.602 | 0.086 | 9.618 | 0.030 | 9.652 | -0.109 |
| 6.370 | 0.181 | 6.375 | 0.070 | 6.392 | -0.089 | 6.404 | 0.057 | 9.653 | 0.164 | 9.670 | -0.206 | 9.702 | 0.093 | 9.717 | 0.155 |
| 6.410 | -0.110 | 6.419 | -0.020 | 6.427 | 0.092 | 6.439 | -0.255 | 9.725 | 0.128 | 9.745 | 0.051 | 9.757 | -0.102 | 9.772 | -0.248 |
| 6.463 | -0.089 | 6.490 | -0.227 | 6.497 | -0.311 | 6.499 | -0.255 | 9.795 | -0.206 | 9.818 | -0.074 | 9.828 | 0.091 | 9.845 | 0.336 |
| 6.508 | -0.158 | 6.518 | -0.005 | 6.530 | 0.176 | 6.546 | 0.252 | 9.856 | 0.329 | 9.866 | 0.287 | 9.882 | 0.155 | 9.898 | 0.079 |
| 6.570 | 0.211 | 6.587 | -0.095 | 6.603 | -0.331 | 6.629 | -0.317 | 9.919 | 0.218 | 9.928 | 0.239 | 9.955 | 0.128 | 9.978 | -0.004 |
| 6.638 | -0.310 | 6.644 | -0.421 | 6.663 | -0.234 | 6.674 | 0.023 | 10.014 | 0.273 | 10.060 | -0.095 | 10.082 | -0.252 | 10.041 | 0.148 |
| 6.682 | 0.197 | 6.692 | 0.343 | 6.708 | 0.530 | 6.724 | 0.600 | 10.055 | -0.040 | 10.112 | 0.050 | 10.148 | -0.082 | 10.163 | -0.047 |
| 6.737 | 0.558 | 6.754 | 0.517 | 6.766 | 0.454 | 6.774 | 0.211 | 10.186 | 0.022 | 10.203 | 0.091 | 10.218 | 0.119 | 10.243 | 0.055 |
| 6.798 | -0.046 | 6.814 | -0.192 | 6.829 | -0.171 | 6.844 | -0.192 | 10.258 | -0.091 | 10.340 | -0.078 | 10.357 | -0.157 | 10.376 | -0.151 |
| 6.854 | -0.164 | 6.862 | -0.171 | 6.888 | -0.116 | 6.891 | -0.046 | 10.325 | 0.053 | 10.405 | 0.078 | 10.429 | 0.166 | 10.430 | 0.146 |
| 6.924 | 0.253 | 6.932 | 0.475 | 6.945 | 0.628 | 6.965 | 0.857 | 10.455 | 0.374 | 10.463 | 0.423 | 10.482 | 0.595 | 10.499 | 0.887 |
| 6.969 | 0.836 | 6.987 | 0.635 | 7.004 | 0.107 | 7.019 | -0.234 | 10.517 | 0.413 | 10.542 | -0.046 | 10.562 | -0.297 | 10.588 | -0.520 |
| 7.032 | -0.386 | 7.051 | -0.484 | 7.059 | -0.525 | 7.077 | -0.484 | 10.605 | -0.646 | 10.609 | -0.709 | 10.632 | -0.654 | 10.650 | -0.377 |
| 7.085 | -0.407 | 7.103 | -0.150 | 7.121 | -0.011 | 7.136 | -0.058 | 10.687 | -0.301 | 10.687 | -0.274 | 10.700 | -0.274 | 10.704 | -0.316 |
| 7.147 | 0.093 | 7.168 | 0.386 | 7.173 | -0.039 | 7.187 | -0.143 | 10.719 | -0.345 | 10.747 | -0.491 | 10.757 | -0.387 | 10.766 | -0.179 |
| 7.205 | -0.192 | 7.221 | -0.143 | 7.239 | -0.053 | 7.250 | 0.163 | 10.780 | -0.076 | 10.807 | 0.090 | 10.820 | 0.048 | 10.844 | -0.203 |
| 7.257 | 0.225 | 7.266 | 0.246 | 7.273 | 0.177 | 7.294 | -0.052 | | | | | | | | |
| 7.303 | -0.129 | 7.324 | -0.142 | 7.347 | -0.309 | 7.352 | -0.420 | | | | | | | | |
| 7.371 | -0.482 | 7.389 | -0.322 | 7.403 | -0.176 | 7.409 | 0.150 | | | | | | | | |
| 7.423 | 0.470 | 7.436 | 0.616 | 7.451 | 0.551 | 7.469 | 0.686 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.859 | -0.3442 | 10.870 | -0.274 | 10.888 | -0.013 | 10.902 | 0.052 | 14.122 | 0.174 | 14.135 | 0.132 | 14.151 | 0.110 | 14.163 | 0.145 |
| 10.920 | -0.011 | 10.921 | -0.011 | 10.943 | -0.031 | 10.954 | 0.064 | 14.174 | 0.214 | 14.189 | 0.269 | 14.201 | 0.234 | 14.214 | 0.199 |
| 10.982 | 0.4445 | 11.001 | 0.403 | 11.016 | 0.305 | 11.029 | 0.064 | 14.217 | 0.185 | 14.229 | 0.129 | 14.240 | 0.066 | 14.253 | 0.030 |
| 11.051 | -0.182 | 11.071 | 0.287 | 11.086 | -0.287 | 11.103 | -0.378 | 14.277 | 0.029 | 14.289 | 0.028 | 14.306 | 0.089 | 14.316 | 0.158 |
| 11.118 | -0.392 | 11.135 | -0.252 | 11.158 | -0.059 | 11.181 | -0.004 | 14.329 | 0.178 | 14.342 | 0.122 | 14.349 | 0.073 | 14.356 | 0.038 |
| 11.195 | -0.395 | 11.202 | 0.275 | 11.224 | -0.443 | 11.249 | -0.474 | 14.367 | 0.023 | 14.384 | 0.071 | 14.391 | 0.119 | 14.402 | 0.153 |
| 11.268 | -0.333 | 11.279 | -0.361 | 11.307 | -0.251 | 11.320 | -0.265 | 14.412 | 0.153 | 14.426 | 0.138 | 14.434 | 0.117 | 14.451 | 0.150 |
| 11.323 | -0.307 | 11.349 | -0.301 | 11.350 | -0.273 | 11.367 | -0.128 | 14.458 | 0.164 | 14.478 | 0.156 | 14.499 | 0.141 | 14.514 | 0.085 |
| 11.390 | -0.018 | 11.414 | 0.072 | 11.435 | 0.112 | 11.466 | -0.020 | 14.526 | 0.049 | 14.540 | 0.047 | 14.560 | 0.047 | 14.574 | 0.025 |
| 11.479 | -0.007 | 11.502 | 0.055 | 11.512 | 0.125 | 11.532 | 0.263 | 14.587 | 0.004 | 14.599 | -0.060 | 14.609 | -0.109 | 14.623 | -0.159 |
| 11.547 | 0.298 | 11.563 | 0.332 | 11.592 | 0.166 | 11.605 | 0.172 | 14.638 | -0.125 | 14.651 | -0.064 | 14.676 | 0.004 | 14.687 | -0.039 |
| 11.629 | 0.179 | 11.650 | 0.179 | 11.670 | -0.179 | 11.693 | 0.102 | 14.704 | -0.089 | 14.719 | -0.132 | 14.737 | -0.161 | 14.749 | -0.183 |
| 11.721 | 0.032 | 11.731 | 0.025 | 11.742 | -0.002 | 11.762 | -0.253 | 14.770 | -0.288 | 14.784 | -0.352 | 14.793 | -0.380 | 14.808 | -0.340 |
| 11.791 | -0.413 | 11.808 | -0.489 | 11.830 | -0.330 | 11.851 | -0.184 | 14.817 | -0.291 | 14.829 | -0.257 | 14.842 | -0.286 | 14.850 | -0.314 |
| 11.871 | -0.066 | 11.897 | -0.046 | 11.906 | -0.060 | 11.914 | -0.046 | 14.858 | -0.349 | 14.869 | -0.328 | 14.881 | -0.308 | 14.901 | -0.309 |
| 11.934 | -0.088 | 11.959 | -0.116 | 11.991 | 0.084 | 12.009 | 0.195 | 14.915 | -0.316 | 14.928 | -0.282 | 14.945 | -0.248 | 14.954 | -0.234 |
| 12.031 | 0.265 | 12.063 | 0.486 | 12.163 | 0.417 | 12.182 | 0.319 | 14.963 | -0.263 | 14.977 | -0.277 | 14.992 | -0.297 | 15.013 | -0.262 |
| 12.135 | 0.479 | 12.143 | 0.486 | 12.163 | 0.417 | 12.182 | 0.319 | 15.028 | -0.223 | 15.041 | -0.198 | 15.062 | -0.246 | 15.079 | -0.301 |
| 12.236 | 0.256 | 12.226 | 0.159 | 12.242 | 0.055 | 12.268 | 0.083 | 15.088 | -0.315 | 15.098 | -0.356 | 15.107 | -0.369 | 15.120 | -0.327 |
| 12.286 | 0.119 | 12.307 | 0.092 | 12.336 | 0.044 | 12.353 | 0.045 | 15.134 | -0.202 | 15.143 | -0.140 | 15.148 | -0.112 | 15.163 | -0.119 |
| 12.383 | -0.002 | 12.416 | -0.153 | 12.433 | -0.194 | 12.445 | -0.213 | 15.171 | -0.112 | 15.185 | -0.078 | 15.197 | -0.057 | 15.205 | -0.043 |
| 12.461 | -0.247 | 12.472 | -0.294 | 12.482 | -0.328 | 12.489 | -0.321 | 15.219 | -0.071 | 15.231 | -0.112 | 15.251 | -0.189 | 15.259 | -0.231 |
| 12.501 | -0.202 | 12.508 | -0.097 | 12.517 | -0.026 | 12.525 | 0.058 | 15.275 | -0.273 | 15.288 | -0.252 | 15.301 | -0.204 | 15.308 | -0.197 |
| 12.538 | 0.135 | 12.547 | 0.171 | 12.557 | 0.179 | 12.567 | 0.179 | 15.326 | -0.198 | 15.342 | -0.198 | 15.350 | -0.205 | 15.358 | -0.220 |
| 12.583 | 0.186 | 12.596 | 0.185 | 12.603 | 0.158 | 12.612 | 0.109 | 15.367 | -0.227 | 15.379 | -0.199 | 15.391 | -0.178 | 15.402 | -0.198 |
| 12.622 | 0.095 | 12.632 | 0.095 | 12.642 | 0.094 | 12.650 | 0.115 | 15.419 | -0.233 | 15.430 | -0.226 | 15.444 | -0.191 | 15.452 | -0.170 |
| 12.658 | 0.129 | 12.668 | 0.149 | 12.677 | 0.120 | 12.689 | 0.092 | 15.459 | -0.149 | 15.477 | -0.156 | 15.494 | -0.156 | 15.508 | -0.156 |
| 12.701 | 0.070 | 12.710 | 0.118 | 12.723 | 0.214 | 12.732 | 0.241 | 15.529 | -0.101 | 15.544 | -0.046 | 15.557 | -0.040 | 15.568 | -0.019 |
| 12.740 | 0.234 | 12.747 | 0.233 | 12.759 | 0.260 | 12.766 | 0.288 | 15.580 | -0.020 | 15.592 | -0.034 | 15.607 | -0.048 | 15.620 | -0.056 |
| 12.775 | 0.259 | 12.786 | 0.231 | 12.798 | 0.174 | 12.815 | 0.133 | 15.633 | -0.070 | 15.654 | -0.009 | 15.665 | 0.053 | 15.674 | 0.108 |
| 12.822 | 0.126 | 12.830 | 0.126 | 12.842 | 0.174 | 12.854 | 0.188 | 15.693 | 0.149 | 15.705 | 0.169 | 15.719 | 0.204 | 15.732 | 0.281 |
| 12.862 | 0.119 | 12.884 | -0.045 | 12.898 | -0.138 | 12.907 | -0.187 | 15.744 | 0.323 | 15.757 | 0.386 | 15.771 | 0.442 | 15.783 | 0.519 |
| 12.929 | -0.180 | 12.948 | -0.145 | 12.959 | -0.139 | 12.974 | -0.111 | 15.793 | 0.568 | 15.802 | 0.582 | 15.812 | 0.562 | 15.830 | 0.451 |
| 12.985 | -0.163 | 12.998 | -0.251 | 13.006 | -0.313 | 13.020 | -0.369 | 15.843 | 0.381 | 15.851 | 0.353 | 15.863 | 0.339 | 15.875 | 0.353 |
| 13.030 | -0.383 | 13.042 | -0.321 | 13.049 | -0.266 | 13.064 | -0.239 | 15.886 | 0.373 | 15.902 | 0.338 | 15.914 | 0.289 | 15.928 | 0.247 |
| 13.074 | -0.260 | 13.091 | -0.399 | 13.102 | -0.423 | 13.109 | -0.421 | 15.943 | 0.170 | 15.955 | 0.093 | 15.965 | 0.029 | 15.979 | 0.021 |
| 13.118 | -0.338 | 13.124 | -0.254 | 13.132 | -0.171 | 13.139 | -0.150 | 16.002 | 0.026 | 16.016 | 0.046 | 16.027 | 0.073 | 16.037 | 0.093 |
| 13.148 | -0.170 | 13.163 | -0.239 | 13.175 | -0.225 | 13.184 | -0.203 | 16.053 | 0.093 | 16.061 | 0.079 | 16.072 | 0.120 | 16.083 | 0.155 |
| 13.190 | -0.182 | 13.206 | -0.230 | 13.223 | -0.271 | 13.239 | -0.188 | 16.095 | 0.169 | 16.110 | 0.175 | 16.131 | 0.182 | 16.149 | 0.175 |
| 13.254 | -0.076 | 13.268 | 0.057 | 13.276 | 0.105 | 13.287 | 0.120 | 16.158 | 0.203 | 16.168 | 0.244 | 16.185 | 0.342 | 16.198 | 0.419 |
| 13.297 | 0.092 | 13.315 | 0.030 | 13.330 | 0.037 | 13.342 | 0.043 | 16.206 | 0.447 | 16.219 | 0.475 | 16.237 | 0.448 | 16.251 | 0.400 |
| 13.356 | 0.015 | 13.374 | -0.006 | 13.387 | 0.015 | 13.403 | 0.056 | 16.266 | 0.352 | 16.282 | 0.290 | 16.302 | 0.255 | 16.317 | 0.283 |
| 13.417 | 0.118 | 13.431 | 0.138 | 13.444 | 0.096 | 13.467 | 0.060 | 16.330 | 0.318 | 16.346 | 0.298 | 16.373 | 0.234 | 16.388 | 0.269 |
| 13.482 | 0.066 | 13.504 | 0.106 | 13.517 | 0.077 | 13.540 | -0.042 | 16.399 | 0.410 | 16.417 | 0.344 | 16.431 | 0.315 | 16.448 | 0.252 |
| 13.557 | -0.113 | 13.568 | -0.176 | 13.577 | -0.198 | 13.595 | -0.185 | 16.464 | 0.230 | 16.482 | 0.201 | 16.506 | 0.130 | 16.530 | 0.079 |
| 13.610 | -0.186 | 13.624 | -0.229 | 13.635 | -0.237 | 13.652 | -0.225 | 16.552 | 0.044 | 16.578 | -0.025 | 16.596 | -0.088 | 16.615 | -0.199 |
| 13.670 | -0.191 | 13.685 | -0.158 | 13.695 | -0.117 | 13.706 | -0.076 | 16.628 | -0.268 | 16.640 | -0.296 | 16.652 | -0.302 | 16.665 | -0.273 |
| 13.718 | 0.042 | 13.733 | 0.208 | 13.746 | 0.304 | 13.756 | 0.352 | 16.676 | -0.224 | 16.687 | -0.175 | 16.693 | -0.140 | 16.708 | -0.118 |
| 13.765 | 0.366 | 13.774 | 0.345 | 13.792 | 0.330 | 13.798 | 0.364 | 16.720 | -0.097 | 16.731 | -0.104 | 16.747 | -0.105 | 16.763 | -0.154 |
| 13.811 | 0.412 | 13.824 | 0.377 | 13.838 | 0.314 | 13.847 | 0.279 | 16.782 | -0.286 | 16.796 | -0.335 | 16.808 | -0.349 | 16.821 | -0.294 |
| 13.860 | 0.251 | 13.867 | 0.272 | 13.875 | 0.321 | 13.884 | 0.376 | 16.832 | -0.155 | 16.842 | -0.058 | 16.848 | -0.003 | 16.858 | 0.032 |
| 13.894 | 0.397 | 13.904 | 0.362 | 13.917 | 0.286 | 13.925 | 0.217 | 16.869 | 0.045 | 16.883 | 0.079 | 16.897 | 0.106 | 16.912 | 0.126 |
| 13.937 | 0.175 | 13.948 | 0.140 | 13.961 | 0.098 | 13.972 | 0.064 | 16.924 | 0.091 | 16.942 | 0.020 | 16.954 | -0.043 | 16.967 | -0.072 |
| 13.984 | 0.043 | 13.994 | 0.029 | 14.005 | 0.078 | 14.018 | 0.244 | 16.982 | -0.121 | 16.998 | -0.122 | 17.010 | -0.150 | 17.025 | -0.179 |
| 14.024 | 0.335 | 14.037 | 0.397 | 14.049 | 0.355 | 14.063 | 0.265 | 17.036 | -0.193 | 17.047 | -0.221 | 17.056 | -0.243 | 17.063 | -0.298 |
| 14.070 | 0.251 | 14.086 | 0.251 | 14.100 | 0.250 | 14.109 | 0.216 | 17.071 | -0.361 | 17.079 | -0.445 | 17.087 | -0.473 | 17.098 | -0.488 |

| | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 17.113 | -0.488 | 17.126 | -0.496 | 17.139 | -0.504 | 17.146 | -0.483 | 20.089 | -0.015 | 20.112 | 0.013 | 20.128 | 0.054 | 20.145 | 0.054 | 20.154 | 0.054 |
| 17.156 | -0.463 | 17.164 | -0.428 | 17.177 | -0.415 | 17.192 | -0.409 | 20.159 | 0.047 | 20.169 | 0.043 | 20.176 | 0.074 | 20.196 | 0.074 | 20.196 | 0.122 |
| 17.205 | -0.409 | 17.210 | -0.402 | 17.217 | -0.375 | 17.226 | -0.354 | 20.208 | 0.101 | 20.227 | 0.087 | 20.244 | 0.087 | 20.267 | 0.087 | 20.267 | 0.086 |
| 17.237 | -0.347 | 17.253 | -0.341 | 17.265 | -0.327 | 17.278 | -0.327 | 20.278 | 0.093 | 20.291 | 0.135 | 20.302 | 0.170 | 20.319 | 0.170 | 20.319 | 0.205 |
| 17.289 | -0.341 | 17.303 | -0.369 | 17.311 | -0.369 | 17.325 | -0.342 | 20.332 | 0.177 | 20.351 | 0.156 | 20.358 | 0.157 | 20.366 | 0.157 | 20.366 | 0.191 |
| 17.336 | -0.315 | 17.351 | -0.301 | 17.356 | -0.302 | 17.376 | -0.323 | 20.378 | 0.240 | 20.394 | 0.275 | 20.410 | 0.248 | 20.426 | 0.248 | 20.426 | 0.165 |
| 17.396 | -0.330 | 17.409 | -0.324 | 17.419 | -0.303 | 17.433 | -0.297 | 20.445 | 0.117 | 20.462 | 0.089 | 20.483 | 0.069 | 20.501 | 0.069 | 20.501 | 0.049 |
| 17.447 | -0.284 | 17.459 | -0.277 | 17.473 | -0.187 | 17.480 | -0.118 | 20.516 | 0.084 | 20.535 | 0.099 | 20.549 | 0.058 | 20.566 | 0.058 | 20.566 | 0.025 |
| 17.488 | -0.063 | 17.497 | -0.036 | 17.506 | -0.001 | 17.520 | 0.012 | 20.584 | 0.005 | 20.607 | -0.021 | 20.628 | -0.041 | 20.654 | -0.041 | 20.654 | -0.067 |
| 17.535 | -0.011 | 17.545 | -0.003 | 17.570 | -0.058 | 17.578 | -0.086 | 20.669 | -0.093 | 20.691 | -0.141 | 20.708 | -0.181 | 20.719 | -0.181 | 20.719 | -0.194 |
| 17.593 | -0.093 | 17.608 | -0.086 | 17.621 | -0.058 | 17.634 | -0.024 | 20.735 | -0.193 | 20.761 | -0.192 | 20.764 | -0.240 | 20.777 | -0.240 | 20.777 | -0.260 |
| 17.647 | -0.010 | 17.673 | -0.044 | 17.686 | -0.058 | 17.700 | -0.086 | 20.791 | -0.301 | 20.804 | -0.314 | 20.824 | -0.243 | 20.835 | -0.243 | 20.835 | -0.207 |
| 17.718 | -0.058 | 17.743 | -0.024 | 17.754 | -0.003 | 17.773 | -0.025 | 20.849 | -0.172 | 20.863 | -0.145 | 20.876 | -0.144 | 20.891 | -0.144 | 20.891 | -0.144 |
| 17.793 | 0.039 | 17.804 | 0.053 | 17.816 | 0.053 | 17.823 | 0.059 | 20.906 | -0.123 | 20.916 | -0.081 | 20.937 | -0.053 | 20.951 | -0.053 | 20.951 | -0.060 |
| 17.834 | 0.080 | 17.844 | 0.114 | 17.854 | 0.135 | 17.863 | 0.134 | 20.964 | -0.088 | 20.976 | -0.081 | 20.990 | -0.025 | 21.005 | -0.025 | 21.005 | 0.023 |
| 17.871 | 0.148 | 17.881 | 0.189 | 17.891 | 0.209 | 17.899 | 0.244 | 21.025 | 0.086 | 21.047 | 0.107 | 21.062 | 0.086 | 21.078 | 0.086 | 21.078 | 0.044 |
| 17.908 | 0.237 | 17.917 | 0.215 | 17.926 | 0.215 | 17.935 | 0.215 | 21.090 | 0.009 | 21.105 | -0.032 | 21.130 | -0.109 | 21.154 | -0.109 | 21.154 | -0.185 |
| 17.947 | 0.228 | 17.958 | 0.277 | 17.968 | 0.291 | 17.981 | 0.318 | 21.162 | -0.234 | 21.180 | -0.261 | 21.195 | -0.220 | 21.211 | -0.220 | 21.211 | -0.199 |
| 17.994 | 0.332 | 18.005 | 0.304 | 18.016 | 0.276 | 18.025 | 0.248 | 21.221 | -0.178 | 21.240 | -0.227 | 21.260 | -0.254 | 21.275 | -0.254 | 21.275 | -0.268 |
| 18.033 | 0.234 | 18.044 | 0.276 | 18.056 | 0.317 | 18.070 | 0.359 | 21.291 | -0.296 | 21.306 | -0.268 | 21.320 | -0.220 | 21.333 | -0.220 | 21.333 | -0.178 |
| 18.084 | 0.179 | 18.097 | 0.400 | 18.113 | 0.421 | 18.126 | 0.420 | 21.344 | -0.156 | 21.356 | -0.149 | 21.371 | -0.183 | 21.387 | -0.183 | 21.387 | -0.225 |
| 18.135 | 0.420 | 18.146 | 0.441 | 18.154 | 0.469 | 18.164 | 0.503 | 21.399 | -0.252 | 21.415 | -0.196 | 21.428 | -0.133 | 21.442 | -0.133 | 21.442 | -0.091 |
| 18.177 | 0.531 | 18.185 | 0.489 | 18.198 | 0.384 | 18.211 | 0.321 | 21.460 | -0.041 | 21.485 | -0.013 | 21.506 | 0.009 | 21.519 | 0.009 | 21.519 | 0.045 |
| 18.220 | 0.265 | 18.232 | 0.230 | 18.248 | 0.229 | 18.260 | 0.229 | 21.535 | 0.068 | 21.545 | 0.122 | 21.561 | 0.130 | 21.575 | 0.130 | 21.575 | 0.110 |
| 18.270 | 0.228 | 18.276 | 0.228 | 18.289 | 0.207 | 18.300 | 0.178 | 21.588 | 0.068 | 21.602 | 0.014 | 21.616 | 0.007 | 21.628 | 0.007 | 21.628 | 0.029 |
| 18.313 | 0.171 | 18.328 | 0.171 | 18.342 | 0.136 | 18.359 | 0.109 | 21.643 | 0.057 | 21.656 | 0.092 | 21.669 | 0.078 | 21.677 | 0.078 | 21.677 | 0.065 |
| 18.376 | 0.088 | 18.389 | 0.082 | 18.403 | 0.068 | 18.410 | 0.096 | 21.688 | 0.051 | 21.704 | 0.065 | 21.718 | 0.100 | 21.729 | 0.100 | 21.729 | 0.135 |
| 18.425 | 0.145 | 18.442 | 0.207 | 18.449 | 0.235 | 18.473 | 0.236 | 21.737 | 0.156 | 21.750 | 0.177 | 21.765 | 0.136 | 21.776 | 0.136 | 21.776 | 0.081 |
| 18.489 | 0.236 | 18.502 | 0.223 | 18.514 | 0.209 | 18.529 | 0.182 | 21.790 | 0.054 | 21.806 | 0.048 | 21.819 | 0.055 | 21.832 | 0.055 | 21.832 | 0.077 |
| 18.544 | 0.141 | 18.553 | 0.127 | 18.570 | 0.122 | 18.582 | 0.120 | 21.845 | 0.098 | 21.859 | 0.120 | 21.871 | 0.100 | 21.884 | 0.100 | 21.884 | 0.079 |
| 18.600 | 0.092 | 18.620 | 0.057 | 18.634 | 0.022 | 18.648 | 0.015 | 21.904 | 0.080 | 21.923 | 0.088 | 21.936 | 0.088 | 21.947 | 0.088 | 21.947 | 0.096 |
| 18.658 | 0.029 | 18.664 | 0.029 | 18.677 | -0.005 | 18.689 | -0.021 | 21.958 | 0.110 | 21.967 | 0.062 | 21.980 | 0.041 | 21.992 | 0.041 | 21.992 | 0.014 |
| 18.703 | -0.036 | 18.717 | -0.037 | 18.728 | -0.010 | 18.741 | -0.003 | 22.006 | 0.049 | 22.019 | 0.084 | 22.029 | 0.126 | 22.042 | 0.126 | 22.042 | 0.176 |
| 18.756 | -0.032 | 18.770 | -0.068 | 18.782 | -0.105 | 18.798 | -0.107 | 22.053 | 0.211 | 22.066 | 0.232 | 22.082 | 0.218 | 22.097 | 0.218 | 22.097 | 0.203 |
| 18.813 | -0.164 | 18.823 | -0.235 | 18.832 | -0.271 | 18.843 | -0.293 | 22.109 | 0.175 | 22.123 | 0.189 | 22.132 | 0.210 | 22.144 | 0.210 | 22.144 | 0.230 |
| 18.857 | -0.288 | 18.871 | -0.283 | 18.885 | -0.271 | 18.904 | -0.251 | 22.156 | 0.244 | 22.171 | 0.216 | 22.188 | 0.195 | 22.203 | 0.195 | 22.203 | 0.167 |
| 18.913 | -0.244 | 18.928 | -0.287 | 18.944 | -0.343 | 18.958 | -0.399 | 22.222 | 0.153 | 22.233 | 0.132 | 22.250 | 0.160 | 22.260 | 0.160 | 22.260 | 0.188 |
| 18.967 | -0.449 | 18.984 | -0.470 | 18.999 | -0.449 | 19.017 | -0.400 | 22.275 | 0.216 | 22.294 | 0.243 | 22.301 | 0.272 | 22.316 | 0.272 | 22.316 | 0.223 |
| 19.032 | -0.357 | 19.045 | -0.315 | 19.061 | -0.279 | 19.076 | -0.236 | 22.330 | 0.182 | 22.346 | 0.148 | 22.364 | 0.141 | 22.387 | 0.141 | 22.387 | 0.121 |
| 19.087 | -0.157 | 19.107 | -0.089 | 19.120 | -0.102 | 19.143 | -0.149 | 22.407 | 0.121 | 22.421 | 0.087 | 22.441 | 0.060 | 22.452 | 0.060 | 22.452 | 0.053 |
| 19.156 | -0.176 | 19.169 | -0.175 | 19.185 | -0.127 | 19.200 | -0.078 | 22.471 | 0.046 | 22.486 | 0.032 | 22.514 | 0.025 | 22.534 | 0.025 | 22.534 | 0.025 |
| 19.211 | -0.057 | 19.221 | -0.044 | 19.232 | -0.023 | 19.242 | -0.044 | 22.551 | 0.046 | 22.566 | 0.066 | 22.583 | 0.094 | 22.596 | 0.094 | 22.596 | 0.053 |
| 19.260 | -0.079 | 19.269 | -0.128 | 19.281 | -0.183 | 19.295 | -0.198 | 22.619 | -0.003 | 22.635 | -0.039 | 22.659 | -0.053 | 22.678 | -0.053 | 22.678 | -0.033 |
| 19.309 | -0.171 | 19.319 | -0.116 | 19.332 | -0.089 | 19.351 | -0.111 | 22.686 | -0.006 | 22.702 | 0.022 | 22.720 | -0.028 | 22.730 | -0.028 | 22.730 | -0.069 |
| 19.364 | -0.126 | 19.379 | -0.136 | 19.398 | -0.072 | 19.414 | -0.099 | 22.752 | -0.056 | 22.766 | -0.049 | 22.784 | -0.035 | 22.800 | -0.035 | 22.800 | -0.021 |
| 19.436 | -0.070 | 19.453 | -0.112 | 19.464 | -0.077 | 19.470 | -0.070 | 22.813 | -0.007 | 22.825 | -0.028 | 22.834 | -0.063 | 22.851 | -0.063 | 22.851 | -0.105 |
| 19.484 | -0.070 | 19.499 | -0.033 | 19.519 | -0.097 | 19.532 | -0.103 | 22.863 | -0.119 | 22.875 | -0.119 | 22.892 | -0.105 | 22.904 | -0.105 | 22.904 | -0.098 |
| 19.547 | -0.082 | 19.565 | -0.061 | 19.575 | -0.117 | 19.586 | -0.130 | 22.916 | -0.091 | 22.928 | -0.104 | 22.941 | -0.118 | 22.957 | -0.118 | 22.957 | -0.097 |
| 19.596 | -0.158 | 19.610 | -0.123 | 19.622 | -0.081 | 19.632 | -0.054 | 22.972 | -0.082 | 22.990 | -0.075 | 23.011 | -0.109 | 23.027 | -0.109 | 23.027 | -0.123 |
| 19.641 | -0.033 | 19.658 | -0.019 | 19.671 | -0.005 | 19.681 | -0.023 | 23.044 | -0.130 | 23.064 | -0.116 | 23.084 | -0.075 | 23.105 | -0.075 | 23.105 | -0.061 |
| 19.694 | 0.099 | 19.706 | 0.161 | 19.713 | 0.195 | 19.724 | 0.215 | 23.130 | -0.082 | 23.151 | -0.111 | 23.167 | -0.132 | 23.183 | -0.132 | 23.183 | -0.111 |
| 19.740 | 0.214 | 19.758 | 0.199 | 19.774 | 0.198 | 19.785 | 0.211 | 23.199 | -0.084 | 23.216 | -0.063 | 23.230 | -0.084 | 23.248 | -0.084 | 23.248 | -0.120 |
| 19.806 | 0.210 | 19.817 | 0.272 | 19.830 | 0.321 | 19.845 | 0.369 | 23.262 | -0.134 | 23.286 | -0.106 | 23.301 | -0.093 | 23.317 | -0.093 | 23.317 | -0.114 |
| 19.859 | 0.390 | 19.877 | 0.417 | 19.900 | 0.347 | 19.926 | 0.264 | 23.332 | -0.149 | 23.345 | -0.170 | 23.358 | -0.191 | 23.378 | -0.191 | 23.378 | -0.192 |
| 19.947 | 0.236 | 19.962 | 0.208 | 19.981 | 0.237 | 19.990 | 0.200 | 23.390 | -0.199 | 23.400 | -0.206 | 23.412 | -0.178 | 23.426 | -0.178 | 23.426 | -0.157 |
| 20.012 | 0.166 | 20.041 | 0.061 | 20.056 | 0.027 | 20.075 | 0.006 | 23.442 | -0.115 | 23.459 | -0.115 | 23.470 | -0.115 | 23.486 | -0.115 | 23.486 | -0.108 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 23.499 | -0.087 | 23.515 | -0.052 | 23.536 | -0.017 | 23.556 | 0.011 | 26.730 | -0.126 | 26.744 | -0.127 | 26.760 | -0.148 | 26.775 | -0.169 |
| 23.574 | 0.046 | 23.599 | 0.123 | 23.611 | 0.144 | 23.626 | 0.165 | 26.787 | -0.197 | 26.803 | -0.197 | 26.814 | -0.142 | 26.825 | -0.093 |
| 23.637 | 0.138 | 23.651 | 0.089 | 23.660 | 0.048 | 23.676 | -0.007 | 26.835 | -0.052 | 26.847 | -0.038 | 26.859 | -0.045 | 26.876 | -0.087 |
| 23.689 | 0.134 | 23.704 | 0.042 | 23.715 | 0.070 | 23.730 | 0.084 | 26.893 | -0.101 | 26.906 | -0.101 | 26.919 | -0.102 | 26.929 | -0.102 |
| 23.759 | 0.063 | 23.773 | 0.029 | 23.789 | 0.015 | 23.803 | -0.013 | 26.944 | -0.102 | 26.953 | -0.088 | 26.963 | -0.067 | 26.971 | -0.067 |
| 23.827 | -0.005 | 23.845 | -0.005 | 23.861 | 0.016 | 23.872 | 0.030 | 26.983 | -0.060 | 26.994 | -0.067 | 27.001 | -0.054 | 27.012 | -0.054 |
| 23.892 | 0.009 | 23.911 | -0.019 | 23.930 | -0.025 | 23.942 | -0.004 | 26.993 | -0.040 | 27.003 | -0.033 | 27.060 | -0.047 | 27.082 | -0.061 |
| 23.966 | 0.009 | 23.980 | -0.012 | 23.986 | -0.026 | 24.004 | 0.022 | 27.092 | -0.061 | 27.105 | -0.061 | 27.114 | -0.062 | 27.127 | -0.062 |
| 24.017 | 0.049 | 24.026 | 0.070 | 24.044 | 0.070 | 24.062 | 0.083 | 27.139 | -0.062 | 27.153 | -0.062 | 27.174 | -0.056 | 27.189 | -0.070 |
| 24.078 | 0.069 | 24.097 | 0.061 | 24.114 | 0.082 | 24.135 | 0.095 | 27.202 | -0.070 | 27.215 | -0.064 | 27.232 | -0.050 | 27.248 | -0.037 |
| 24.153 | 0.129 | 24.169 | 0.128 | 24.191 | 0.128 | 24.206 | 0.134 | 27.266 | -0.030 | 27.280 | -0.010 | 27.300 | 0.010 | 27.312 | 0.003 |
| 24.212 | 0.134 | 24.222 | 0.154 | 24.235 | 0.154 | 24.242 | 0.154 | 27.328 | -0.004 | 27.347 | -0.039 | 27.358 | -0.053 | 27.372 | -0.047 |
| 24.252 | 0.140 | 24.266 | 0.140 | 24.276 | 0.140 | 24.288 | 0.140 | 27.384 | -0.040 | 27.399 | -0.041 | 27.412 | -0.048 | 27.431 | -0.055 |
| 24.294 | 0.119 | 24.307 | 0.105 | 24.326 | 0.070 | 24.337 | 0.057 | 27.442 | -0.069 | 27.454 | -0.063 | 27.467 | -0.070 | 27.488 | -0.043 |
| 24.352 | 0.070 | 24.370 | 0.077 | 24.383 | 0.084 | 24.391 | 0.063 | 27.499 | -0.022 | 27.515 | -0.009 | 27.528 | -0.002 | 27.547 | 0.011 |
| 24.407 | 0.043 | 24.425 | 0.015 | 24.445 | 0.029 | 24.462 | 0.028 | 27.575 | 0.025 | 27.592 | 0.025 | 27.604 | 0.025 | 27.617 | 0.025 |
| 24.479 | 0.028 | 24.485 | 0.042 | 24.498 | 0.056 | 24.516 | 0.042 | 27.632 | 0.038 | 27.644 | 0.024 | 27.663 | 0.017 | 27.679 | 0.024 |
| 24.526 | 0.027 | 24.544 | 0.048 | 24.550 | 0.055 | 24.562 | 0.075 | 27.695 | 0.045 | 27.707 | 0.017 | 27.723 | -0.011 | 27.738 | -0.018 |
| 24.576 | 0.076 | 24.591 | 0.041 | 24.607 | 0.028 | 24.627 | 0.028 | 27.752 | -0.004 | 27.766 | 0.009 | 27.778 | 0.023 | 27.790 | 0.037 |
| 24.643 | 0.028 | 24.652 | 0.021 | 24.667 | 0.029 | 24.680 | 0.022 | 27.801 | 0.016 | 27.819 | 0.003 | 27.829 | 0.003 | 27.839 | 0.003 |
| 24.695 | 0.036 | 24.706 | 0.036 | 24.718 | 0.070 | 24.730 | 0.035 | 27.849 | 0.009 | 27.862 | 0.009 | 27.876 | -0.018 | 27.886 | -0.032 |
| 24.745 | 0.028 | 24.750 | 0.028 | 24.759 | 0.028 | 24.771 | 0.035 | 27.901 | -0.060 | 27.915 | -0.081 | 27.925 | -0.095 | 27.941 | -0.109 |
| 24.791 | 0.027 | 24.815 | 0.032 | 24.839 | -0.004 | 24.863 | -0.039 | 27.950 | -0.095 | 27.960 | -0.074 | 27.971 | -0.067 | 27.995 | -0.060 |
| 24.873 | 0.002 | 24.881 | 0.037 | 24.891 | 0.051 | 24.904 | 0.044 | 28.010 | -0.074 | 28.023 | -0.074 | 28.035 | -0.060 | 28.043 | -0.046 |
| 24.917 | 0.016 | 24.930 | -0.005 | 24.943 | -0.026 | 24.953 | -0.040 | 28.055 | -0.025 | 28.069 | -0.011 | 28.086 | -0.032 | 28.098 | -0.074 |
| 24.960 | -0.047 | 24.975 | -0.040 | 24.988 | -0.026 | 25.003 | -0.019 | 28.106 | -0.088 | 28.117 | -0.088 | 28.130 | -0.074 | 28.145 | -0.053 |
| 25.016 | -0.040 | 25.026 | -0.075 | 25.039 | -0.110 | 25.050 | -0.138 | 28.155 | -0.053 | 28.171 | -0.046 | 28.181 | -0.046 | 28.190 | -0.025 |
| 25.061 | -0.152 | 25.069 | -0.173 | 25.084 | -0.138 | 25.102 | -0.125 | 28.199 | -0.004 | 28.212 | -0.004 | 28.226 | -0.018 | 28.237 | -0.046 |
| 25.120 | -0.153 | 25.133 | -0.181 | 25.142 | -0.195 | 25.156 | -0.160 | 28.264 | -0.053 | 28.281 | -0.032 | 28.293 | -0.025 | 28.304 | -0.004 |
| 25.169 | -0.146 | 25.178 | -0.140 | 25.192 | -0.168 | 25.206 | -0.168 | 28.318 | -0.032 | 28.332 | -0.046 | 28.341 | -0.060 | 28.349 | -0.060 |
| 25.213 | -0.182 | 25.226 | -0.168 | 25.241 | -0.168 | 25.255 | -0.148 | 28.357 | -0.060 | 28.381 | -0.074 | 28.381 | -0.095 | 28.394 | -0.102 |
| 25.269 | -0.134 | 25.281 | -0.093 | 25.299 | -0.058 | 25.311 | -0.065 | 28.406 | -0.102 | 28.415 | -0.102 | 28.424 | -0.102 | 28.435 | -0.123 |
| 25.329 | -0.093 | 25.350 | -0.101 | 25.366 | -0.080 | 25.386 | -0.045 | 28.444 | -0.129 | 28.459 | -0.102 | 28.464 | -0.081 | 28.480 | -0.053 |
| 25.400 | -0.066 | 25.411 | -0.037 | 25.421 | -0.037 | 25.437 | -0.101 | 28.490 | -0.053 | 28.501 | -0.060 | 28.511 | -0.095 | 28.519 | -0.109 |
| 25.456 | -0.102 | 25.468 | -0.095 | 25.480 | -0.081 | 25.496 | -0.060 | 28.541 | -0.129 | 28.541 | -0.136 | 28.557 | -0.136 | 28.573 | -0.116 |
| 25.511 | -0.060 | 25.521 | -0.067 | 25.535 | -0.081 | 25.551 | -0.067 | 28.580 | -0.102 | 28.608 | -0.081 | 28.621 | -0.095 | 28.634 | -0.116 |
| 25.564 | -0.046 | 25.573 | -0.025 | 25.586 | -0.018 | 25.597 | -0.039 | 28.644 | -0.129 | 28.657 | -0.102 | 28.668 | -0.081 | 28.681 | -0.053 |
| 25.610 | -0.081 | 25.625 | -0.123 | 25.637 | -0.136 | 25.657 | -0.116 | 28.695 | -0.053 | 28.708 | -0.074 | 28.720 | -0.081 | 28.729 | -0.081 |
| 25.674 | -0.102 | 25.686 | -0.081 | 25.699 | -0.053 | 25.710 | -0.053 | 28.742 | -0.067 | 28.753 | -0.054 | 28.763 | -0.054 | 28.776 | -0.054 |
| 25.731 | -0.046 | 25.741 | -0.046 | 25.756 | -0.039 | 25.769 | -0.039 | 28.786 | -0.068 | 28.796 | -0.068 | 28.804 | -0.068 | 28.817 | -0.068 |
| 25.824 | -0.046 | 25.838 | -0.060 | 25.855 | -0.067 | 25.877 | -0.032 | 28.827 | -0.061 | 28.835 | -0.047 | 28.846 | -0.047 | 28.857 | -0.034 |
| 25.893 | 0.003 | 25.913 | 0.037 | 25.929 | 0.044 | 25.943 | 0.044 | 28.869 | -0.034 | 28.882 | -0.034 | 28.890 | -0.034 | 28.903 | -0.041 |
| 25.955 | 0.037 | 25.988 | 0.037 | 26.000 | 0.044 | 26.016 | 0.072 | 28.916 | -0.041 | 28.929 | -0.020 | 28.939 | 0.000 | 28.950 | 0.000 |
| 26.029 | 0.100 | 26.044 | 0.135 | 26.064 | 0.155 | 26.079 | 0.155 | 28.957 | 0.000 | 28.970 | 0.041 | 29.040 | 0.055 | 29.054 | 0.075 |
| 26.095 | 0.169 | 26.111 | 0.183 | 26.124 | 0.155 | 26.134 | 0.086 | 29.011 | 0.007 | 29.026 | 0.041 | 29.040 | 0.055 | 29.054 | 0.075 |
| 26.143 | 0.030 | 26.158 | 0.003 | 26.166 | -0.011 | 26.179 | 0.003 | 29.069 | 0.054 | 29.080 | 0.026 | 29.097 | 0.005 | 29.107 | -0.002 |
| 26.187 | 0.023 | 26.207 | 0.037 | 26.219 | 0.037 | 26.230 | 0.016 | 29.114 | -0.009 | 29.120 | -0.009 | 29.131 | -0.002 | 29.146 | -0.002 |
| 26.256 | -0.005 | 26.269 | -0.029 | 26.289 | -0.061 | 26.304 | -0.047 | 29.158 | 0.012 | 29.176 | 0.018 | 29.189 | 0.025 | 29.198 | 0.025 |
| 26.324 | -0.033 | 26.334 | -0.061 | 26.349 | -0.066 | 26.360 | -0.034 | 29.207 | 0.039 | 29.219 | 0.025 | 29.233 | 0.025 | 29.242 | 0.004 |
| 26.375 | -0.083 | 26.391 | -0.069 | 26.414 | -0.028 | 26.426 | -0.049 | 29.254 | 0.004 | 29.269 | 0.004 | 29.278 | 0.011 | 29.290 | 0.011 |
| 26.445 | -0.070 | 26.462 | -0.049 | 26.475 | -0.029 | 26.486 | -0.015 | 29.300 | 0.018 | 29.315 | 0.018 | 29.324 | 0.018 | 29.332 | 0.024 |
| 26.503 | -0.016 | 26.515 | -0.009 | 26.530 | 0.004 | 26.540 | -0.003 | 29.340 | 0.031 | 29.353 | 0.024 | 29.363 | 0.017 | 29.376 | 0.017 |
| 26.555 | -0.003 | 26.570 | -0.034 | 26.584 | -0.004 | 26.594 | -0.003 | 29.387 | 0.017 | 29.403 | 0.024 | 29.415 | 0.031 | 29.428 | 0.024 |
| 26.620 | -0.026 | 26.634 | -0.020 | 26.645 | -0.001 | 26.661 | -0.006 | 29.439 | 0.010 | 29.457 | -0.004 | 29.475 | 0.017 | 29.488 | 0.023 |
| 26.673 | -0.021 | 26.688 | -0.077 | 26.701 | -0.112 | 26.717 | -0.126 | 29.499 | 0.023 | 29.510 | 0.016 | 29.523 | 0.023 | 29.532 | 0.023 |
| | | | | | | | | 29.551 | 0.023 | 29.569 | 0.003 | 29.590 | 0.003 | 29.606 | 0.003 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 29.620 | 0.003 | 29.634 | -0.011 | 29.651 | -0.025 | 29.665 | -0.032 | 32.543 | 0.009 | 32.563 | 0.044 | 32.577 | 0.038 | 32.590 | 0.045 |
| 29.674 | -0.046 | 29.687 | -0.032 | 29.701 | -0.025 | 29.713 | -0.032 | 32.601 | 0.060 | 32.625 | 0.081 | 32.625 | 0.089 | 32.640 | 0.096 |
| 29.725 | -0.053 | 29.736 | -0.067 | 29.747 | -0.081 | 29.763 | -0.095 | 32.652 | 0.096 | 32.662 | 0.097 | 32.671 | 0.083 | 32.684 | 0.056 |
| 29.778 | -0.060 | 29.791 | -0.046 | 29.804 | -0.032 | 29.817 | -0.046 | 32.699 | 0.028 | 32.720 | 0.035 | 32.739 | 0.043 | 32.758 | 0.043 |
| 29.837 | -0.066 | 29.851 | -0.073 | 29.865 | -0.059 | 29.877 | -0.045 | 32.774 | 0.037 | 32.787 | 0.023 | 32.800 | 0.016 | 32.812 | 0.024 |
| 29.887 | -0.038 | 29.901 | -0.052 | 29.915 | -0.073 | 29.929 | -0.086 | 32.824 | 0.024 | 32.841 | 0.004 | 32.852 | 0.018 | 32.864 | 0.018 |
| 29.942 | -0.072 | 29.953 | -0.065 | 29.963 | -0.065 | 29.974 | -0.072 | 32.879 | 0.032 | 32.889 | 0.032 | 32.898 | 0.019 | 32.911 | 0.033 |
| 29.985 | -0.093 | 29.998 | -0.114 | 30.010 | -0.155 | 30.029 | -0.217 | 32.925 | 0.047 | 32.938 | 0.048 | 32.949 | 0.042 | 32.962 | 0.043 |
| 30.042 | -0.230 | 30.056 | -0.216 | 30.066 | -0.188 | 30.079 | -0.173 | 32.980 | 0.030 | 32.991 | 0.030 | 32.996 | 0.038 | 33.024 | 0.039 |
| 30.105 | -0.130 | 30.115 | -0.130 | 30.126 | -0.130 | 30.140 | -0.115 | 33.040 | 0.047 | 33.058 | 0.028 | 33.076 | 0.022 | 33.096 | 0.023 |
| 30.155 | -0.094 | 30.170 | -0.086 | 30.181 | -0.100 | 30.192 | -0.106 | 33.112 | 0.017 | 33.121 | 0.011 | 33.135 | 0.011 | 33.151 | 0.005 |
| 30.204 | -0.106 | 30.214 | -0.093 | 30.227 | -0.063 | 30.235 | -0.048 | 33.164 | 0.006 | 33.180 | 0.014 | 33.199 | 0.015 | 33.213 | 0.009 |
| 30.244 | -0.041 | 30.254 | -0.033 | 30.261 | -0.040 | 30.273 | -0.032 | 33.225 | 0.017 | 33.239 | 0.004 | 33.249 | -0.010 | 33.260 | -0.002 |
| 30.288 | -0.039 | 30.297 | -0.033 | 30.305 | -0.058 | 30.319 | -0.086 | 33.272 | 0.008 | 33.286 | -0.001 | 33.302 | -0.007 | 33.314 | 0.008 |
| 30.335 | -0.099 | 30.343 | -0.105 | 30.349 | -0.105 | 30.363 | -0.097 | 33.325 | 0.001 | 33.339 | 0.002 | 33.354 | -0.004 | 33.368 | -0.010 |
| 30.374 | -0.096 | 30.379 | -0.096 | 30.392 | -0.075 | 30.402 | -0.067 | 33.382 | -0.017 | 33.397 | -0.009 | 33.413 | -0.015 | 33.419 | -0.036 |
| 30.410 | -0.060 | 30.421 | -0.059 | 30.431 | -0.066 | 30.444 | -0.072 | 33.429 | -0.063 | 33.444 | -0.083 | 33.454 | -0.082 | 33.468 | -0.075 |
| 30.458 | -0.051 | 30.469 | -0.071 | 30.484 | -0.057 | 30.491 | -0.071 | 33.485 | -0.080 | 33.497 | -0.087 | 33.514 | -0.086 | 33.521 | -0.064 |
| 30.502 | -0.078 | 30.519 | -0.063 | 30.541 | -0.042 | 30.561 | -0.021 | 33.534 | -0.043 | 33.546 | -0.028 | 33.557 | -0.020 | 33.573 | 0.001 |
| 30.577 | -0.020 | 30.587 | -0.020 | 30.603 | -0.013 | 30.621 | -0.012 | 33.594 | -0.004 | 33.610 | -0.017 | 33.622 | -0.016 | 33.638 | -0.029 |
| 30.635 | 0.009 | 30.650 | 0.002 | 30.666 | 0.016 | 30.670 | 0.023 | 33.654 | -0.049 | 33.667 | -0.061 | 33.680 | -0.074 | 33.680 | -0.074 |
| 30.675 | -0.004 | 30.695 | -0.004 | 30.694 | 0.003 | 30.711 | 0.011 | 33.689 | -0.080 | 33.702 | -0.093 | 33.714 | -0.113 | 33.725 | -0.133 |
| 30.729 | 0.011 | 30.741 | 0.039 | 30.753 | 0.032 | 30.766 | 0.033 | 33.734 | -0.104 | 33.752 | -0.110 | 33.777 | -0.101 | 33.793 | -0.099 |
| 30.777 | 0.040 | 30.787 | 0.047 | 30.797 | 0.061 | 30.808 | 0.041 | 33.808 | -0.091 | 33.819 | -0.090 | 33.833 | -0.103 | 33.845 | -0.095 |
| 30.821 | 0.077 | 30.834 | 0.028 | 30.846 | 0.042 | 30.860 | 0.049 | 33.855 | -0.080 | 33.867 | -0.072 | 33.878 | -0.078 | 33.886 | -0.078 |
| 30.872 | 0.042 | 30.885 | 0.057 | 30.896 | 0.064 | 30.911 | 0.057 | 33.898 | -0.084 | 33.911 | -0.104 | 33.919 | -0.131 | 33.927 | -0.137 |
| 30.921 | 0.058 | 30.932 | 0.065 | 30.947 | 0.073 | 30.954 | 0.087 | 33.932 | -0.137 | 33.939 | -0.122 | 33.948 | -0.115 | 33.958 | -0.100 |
| 30.968 | 0.102 | 30.980 | 0.110 | 30.988 | 0.124 | 30.996 | 0.110 | 33.966 | -0.079 | 33.976 | -0.064 | 33.986 | -0.050 | 33.996 | -0.028 |
| 31.005 | 0.111 | 31.019 | 0.077 | 31.027 | 0.063 | 31.034 | 0.043 | 34.007 | -0.027 | 34.022 | -0.033 | 34.030 | -0.046 | 34.041 | -0.066 |
| 31.046 | 0.051 | 31.060 | 0.044 | 31.073 | 0.045 | 31.091 | 0.032 | 34.049 | -0.059 | 34.062 | -0.065 | 34.075 | -0.057 | 34.086 | -0.063 |
| 31.109 | 0.026 | 31.120 | 0.026 | 31.131 | 0.047 | 31.146 | 0.034 | 34.098 | -0.041 | 34.106 | -0.054 | 34.117 | -0.054 | 34.124 | -0.053 |
| 31.155 | 0.027 | 31.166 | 0.021 | 31.179 | -0.021 | 31.187 | -0.006 | 34.135 | -0.067 | 34.143 | -0.087 | 34.149 | -0.101 | 34.159 | -0.107 |
| 31.205 | -0.020 | 31.218 | -0.005 | 31.234 | -0.012 | 31.245 | 0.003 | 34.168 | -0.113 | 34.178 | -0.092 | 34.192 | -0.091 | 34.208 | -0.069 |
| 31.260 | 0.003 | 31.269 | 0.010 | 31.278 | 0.032 | 31.291 | 0.053 | 34.217 | -0.069 | 34.230 | -0.068 | 34.241 | -0.082 | 34.250 | -0.067 |
| 31.301 | 0.032 | 31.320 | -0.009 | 31.339 | -0.008 | 31.348 | -0.029 | 34.260 | -0.053 | 34.269 | -0.045 | 34.280 | -0.065 | 34.296 | -0.065 |
| 31.359 | -0.022 | 31.377 | -0.021 | 31.394 | -0.028 | 31.406 | -0.014 | 34.311 | -0.078 | 34.322 | -0.091 | 34.337 | -0.062 | 34.349 | -0.034 |
| 31.425 | -0.006 | 31.442 | -0.020 | 31.454 | -0.012 | 31.470 | -0.019 | 34.357 | -0.047 | 34.366 | -0.040 | 34.376 | -0.039 | 34.383 | -0.025 |
| 31.489 | -0.032 | 31.501 | -0.039 | 31.518 | -0.059 | 31.534 | -0.073 | 34.391 | -0.004 | 34.400 | -0.017 | 34.411 | -0.003 | 34.420 | -0.002 |
| 31.551 | -0.100 | 31.561 | -0.079 | 31.578 | -0.079 | 31.600 | -0.071 | 34.435 | -0.001 | 34.443 | -0.000 | 34.450 | 0.021 | 34.459 | 0.015 |
| 31.619 | -0.085 | 31.629 | -0.085 | 31.640 | -0.084 | 31.650 | -0.112 | 34.467 | 0.037 | 34.478 | 0.052 | 34.492 | 0.019 | 34.501 | 0.020 |
| 31.656 | -0.112 | 31.674 | -0.132 | 31.689 | -0.118 | 31.702 | -0.111 | 34.508 | -0.000 | 34.522 | 0.008 | 34.534 | 0.002 | 34.546 | 0.017 |
| 31.721 | -0.110 | 31.734 | -0.117 | 31.742 | -0.124 | 31.762 | -0.152 | 34.557 | 0.019 | 34.565 | 0.026 | 34.577 | 0.021 | 34.586 | 0.006 |
| 31.773 | -0.131 | 31.786 | -0.131 | 31.794 | -0.110 | 31.812 | -0.124 | 34.600 | -0.005 | 34.613 | -0.038 | 34.623 | -0.016 | 34.629 | -0.030 |
| 31.833 | -0.151 | 31.844 | -0.151 | 31.855 | -0.151 | 31.864 | -0.137 | 34.640 | -0.035 | 34.652 | -0.048 | 34.665 | -0.054 | 34.671 | -0.046 |
| 31.881 | -0.144 | 31.893 | -0.109 | 31.912 | -0.109 | 31.927 | -0.081 | 34.681 | -0.038 | 34.692 | 0.005 | 34.700 | 0.006 | 34.711 | 0.028 |
| 31.946 | -0.088 | 31.964 | -0.088 | 31.983 | -0.080 | 32.008 | -0.080 | 34.715 | 0.057 | 34.720 | 0.064 | 34.732 | 0.073 | 34.745 | 0.060 |
| 32.024 | -0.072 | 32.027 | -0.065 | 32.046 | -0.078 | 32.056 | -0.085 | 34.760 | 0.020 | 34.765 | 0.000 | 34.779 | 0.009 | 34.787 | 0.024 |
| 32.064 | -0.071 | 32.076 | -0.064 | 32.089 | -0.063 | 32.098 | -0.077 | 34.800 | 0.060 | 34.811 | 0.096 | 34.823 | 0.160 | 34.830 | 0.161 |
| 32.111 | -0.070 | 32.123 | -0.062 | 32.132 | -0.048 | 32.150 | -0.041 | 34.839 | 0.155 | 34.848 | 0.129 | 34.863 | 0.082 | 34.868 | 0.067 |
| 32.169 | -0.040 | 32.188 | -0.054 | 32.203 | -0.053 | 32.213 | -0.060 | 34.872 | 0.042 | 34.880 | 0.049 | 34.894 | 0.044 | 34.906 | 0.067 |
| 32.223 | -0.052 | 32.237 | -0.031 | 32.251 | -0.036 | 32.267 | -0.028 | 34.915 | 0.068 | 34.923 | 0.061 | 34.935 | 0.049 | 34.948 | 0.029 |
| 32.278 | -0.028 | 32.293 | -0.041 | 32.303 | -0.026 | 32.312 | -0.032 | 34.957 | 0.009 | 34.967 | 0.003 | 34.982 | 0.004 | 34.993 | 0.019 |
| 32.324 | -0.024 | 32.339 | -0.030 | 32.354 | -0.029 | 32.370 | -0.035 | 35.000 | 0.048 | 35.009 | 0.055 | 35.023 | 0.077 | 35.036 | 0.079 |
| 32.381 | -0.055 | 32.397 | -0.068 | 32.407 | -0.074 | 32.414 | -0.067 | 35.000 | 0.048 | 35.062 | 0.046 | 35.079 | 0.034 | 35.094 | 0.035 |
| 32.424 | -0.045 | 32.435 | -0.038 | 32.451 | -0.030 | 32.466 | -0.022 | 35.112 | 0.030 | 35.125 | 0.031 | 35.136 | 0.032 | 35.149 | 0.033 |
| 32.484 | -0.014 | 32.503 | -0.007 | 32.514 | 0.003 | 32.527 | 0.008 | 35.164 | 0.028 | 35.175 | 0.008 | 35.188 | 0.002 | 35.199 | 0.010 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 35.212 | 0.011 | 35.225 | -0.009 | 35.241 | -0.022 | 35.255 | -0.042 | 38.134 | 0.017 | 38.150 | 0.017 | 38.167 | 0.018 | 38.186 | 0.040 |
| 35.268 | -0.034 | 35.282 | -0.019 | 35.294 | -0.011 | 35.302 | -0.018 | 38.204 | 0.062 | 38.220 | 0.042 | 38.238 | 0.029 | 38.256 | 0.030 |
| 35.309 | -0.024 | 35.316 | -0.044 | 35.324 | -0.037 | 35.331 | -0.043 | 38.272 | 0.037 | 38.291 | 0.052 | 38.307 | 0.067 | 38.327 | 0.068 |
| 35.341 | -0.036 | 35.351 | -0.042 | 35.360 | -0.044 | 35.369 | -0.044 | 38.347 | 0.068 | 38.364 | 0.069 | 38.383 | 0.049 | 38.400 | 0.036 |
| 35.378 | -0.040 | 35.387 | -0.018 | 35.398 | -0.031 | 35.406 | -0.038 | 38.417 | 0.060 | 38.432 | 0.037 | 38.447 | 0.052 | 38.460 | 0.066 |
| 35.417 | -0.037 | 35.430 | -0.050 | 35.447 | -0.035 | 35.454 | -0.020 | 38.474 | 0.060 | 38.496 | 0.061 | 38.515 | 0.062 | 38.544 | 0.063 |
| 35.474 | -0.012 | 35.487 | -0.004 | 35.497 | -0.004 | 35.507 | -0.010 | 38.566 | 0.078 | 38.589 | 0.093 | 38.615 | 0.094 | 38.636 | 0.102 |
| 35.515 | -0.009 | 35.525 | -0.023 | 35.533 | -0.036 | 35.544 | -0.042 | 38.655 | 0.103 | 38.675 | 0.118 | 38.695 | 0.141 | 38.712 | 0.128 |
| 35.557 | -0.062 | 35.563 | -0.062 | 35.571 | -0.055 | 35.580 | -0.047 | 38.734 | 0.080 | 38.752 | 0.054 | 38.770 | 0.069 | 38.789 | 0.091 |
| 35.589 | -0.047 | 35.599 | -0.046 | 35.611 | -0.052 | 35.618 | -0.066 | 38.804 | 0.099 | 38.819 | 0.107 | 38.838 | 0.108 | 38.858 | 0.082 |
| 35.628 | -0.079 | 35.640 | -0.099 | 35.644 | -0.106 | 35.652 | -0.091 | 38.878 | 0.062 | 38.896 | 0.057 | 38.914 | 0.051 | 38.929 | 0.052 |
| 35.666 | -0.084 | 35.679 | -0.076 | 35.691 | -0.082 | 35.701 | -0.075 | 38.948 | 0.067 | 38.966 | 0.061 | 38.986 | 0.042 | 39.004 | 0.022 |
| 35.708 | -0.088 | 35.717 | -0.088 | 35.729 | -0.101 | 35.740 | -0.100 | 39.022 | 0.017 | 39.039 | -0.003 | 39.060 | -0.016 | 39.074 | -0.022 |
| 35.750 | -0.107 | 35.762 | -0.099 | 35.775 | -0.091 | 35.789 | -0.070 | 39.092 | 0.007 | 39.113 | 0.029 | 39.129 | 0.044 | 39.142 | 0.017 |
| 35.800 | -0.076 | 35.810 | -0.055 | 35.821 | -0.061 | 35.839 | -0.047 | 39.160 | -0.017 | 39.181 | -0.043 | 39.206 | -0.049 | 39.227 | -0.062 |
| 35.837 | -0.053 | 35.844 | -0.060 | 35.853 | -0.066 | 35.866 | -0.093 | 39.242 | -0.054 | 39.261 | -0.067 | 39.279 | -0.073 | 39.298 | -0.072 |
| 35.877 | -0.107 | 35.888 | -0.106 | 35.901 | -0.093 | 35.913 | -0.070 | 39.316 | -0.058 | 39.333 | -0.043 | 39.350 | -0.056 | 39.365 | -0.077 |
| 35.927 | -0.062 | 35.937 | -0.054 | 35.951 | -0.053 | 35.961 | -0.053 | 39.382 | -0.090 | 39.404 | -0.082 | 39.426 | -0.081 | 39.452 | -0.080 |
| 35.972 | -0.059 | 35.987 | -0.051 | 36.000 | -0.057 | 36.013 | -0.042 | 39.470 | -0.079 | 39.490 | -0.086 | 39.513 | -0.085 | 39.532 | -0.105 |
| 36.023 | -0.035 | 36.032 | -0.013 | 36.039 | -0.001 | 36.048 | -0.005 | 39.548 | -0.104 | 39.568 | -0.104 | 39.584 | -0.089 | 39.600 | -0.110 |
| 36.060 | 0.003 | 36.073 | -0.004 | 36.083 | -0.010 | 36.094 | -0.002 | 39.618 | -0.144 | 39.635 | -0.157 | 39.653 | -0.163 | 39.675 | -0.156 |
| 36.103 | 0.012 | 36.110 | 0.020 | 36.121 | 0.034 | 36.126 | 0.042 | 39.694 | -0.148 | 39.710 | -0.133 | 39.726 | -0.119 | 39.745 | -0.118 |
| 36.130 | 0.042 | 36.140 | 0.022 | 36.147 | 0.029 | 36.155 | 0.002 | 39.769 | -0.111 | 39.789 | -0.117 | 39.810 | -0.130 | 39.827 | -0.150 |
| 36.165 | -0.004 | 36.175 | -0.017 | 36.185 | 0.004 | 36.196 | -0.009 | 39.845 | -0.135 | 39.863 | -0.100 | 39.878 | -0.085 | 39.899 | -0.077 |
| 36.214 | 0.013 | 36.229 | 0.014 | 36.245 | 0.023 | 36.258 | 0.024 | 39.922 | -0.069 | 39.945 | -0.068 | 39.973 | -0.060 | 39.989 | -0.052 |
| 36.268 | 0.024 | 36.284 | 0.032 | 36.297 | 0.047 | 36.316 | 0.069 | 40.009 | -0.023 | 40.027 | -0.015 | 40.044 | -0.028 | 40.063 | -0.055 |
| 36.325 | 0.063 | 36.334 | 0.057 | 36.346 | 0.065 | 36.359 | 0.066 | 40.076 | -0.061 | 40.092 | -0.040 | 40.115 | -0.011 | 40.132 | -0.003 |
| 36.365 | 0.052 | 36.376 | 0.025 | 36.385 | 0.005 | 36.394 | 0.006 | 40.150 | 0.005 | 40.169 | 0.006 | 40.197 | 0.008 | 40.218 | -0.005 |
| 36.402 | 0.013 | 36.409 | 0.007 | 36.420 | 0.035 | 36.435 | 0.043 | 40.240 | -0.018 | 40.263 | -0.038 | 40.276 | -0.044 | 40.292 | -0.023 |
| 36.444 | 0.072 | 36.451 | 0.086 | 36.464 | 0.087 | 36.471 | 0.108 | 40.307 | 0.013 | 40.327 | 0.041 | 40.348 | 0.035 | 40.367 | 0.036 |
| 36.483 | 0.116 | 36.491 | 0.123 | 36.505 | 0.110 | 36.516 | 0.090 | 40.385 | 0.057 | 40.410 | 0.065 | 40.437 | 0.087 | 40.467 | 0.081 |
| 36.527 | 0.077 | 36.540 | 0.071 | 36.555 | 0.093 | 36.566 | 0.094 | 40.495 | 0.082 | 40.520 | 0.090 | 40.546 | 0.063 | 40.567 | 0.057 |
| 36.579 | 0.088 | 36.598 | 0.082 | 36.611 | 0.089 | 36.624 | 0.104 | 40.591 | 0.072 | 40.617 | 0.094 | 40.637 | 0.102 | 40.656 | 0.096 |
| 36.637 | 0.104 | 36.650 | 0.119 | 36.660 | 0.105 | 36.670 | 0.112 | 40.679 | 0.069 | 40.705 | 0.077 | 40.732 | 0.071 | 40.755 | 0.072 |
| 36.718 | 0.031 | 36.733 | 0.025 | 36.743 | 0.032 | 36.752 | 0.011 | 40.777 | 0.087 | 40.801 | 0.102 | 40.823 | 0.117 | 40.842 | 0.096 |
| 36.772 | 0.026 | 36.781 | 0.019 | 36.793 | 0.027 | 36.804 | 0.027 | 40.867 | 0.077 | 40.890 | 0.084 | 40.909 | 0.092 | 40.927 | 0.079 |
| 36.824 | 0.014 | 36.862 | 0.008 | 36.879 | 0.044 | 36.903 | 0.003 | 40.942 | 0.066 | 40.964 | 0.059 | 40.988 | 0.053 | 41.010 | 0.046 |
| 36.923 | -0.004 | 36.936 | 0.010 | 36.942 | 0.011 | 36.954 | 0.032 | 41.032 | 0.026 | 41.058 | 0.033 | 41.081 | 0.040 | 41.094 | 0.033 |
| 36.960 | 0.053 | 36.973 | 0.053 | 36.989 | 0.012 | 37.010 | -0.001 | 41.112 | 0.026 | 41.126 | 0.013 | 41.138 | 0.006 | 41.151 | 0.006 |
| 37.030 | -0.022 | 37.045 | -0.014 | 37.062 | 0.014 | 37.074 | 0.028 | | | | | | | | |
| 37.091 | 0.022 | 37.106 | -0.012 | 37.121 | -0.026 | 37.135 | -0.046 | | | | | | | | |
| 37.154 | -0.045 | 37.172 | -0.031 | 37.189 | -0.023 | 37.202 | -0.037 | | | | | | | | |
| 37.218 | -0.050 | 37.237 | -0.063 | 37.255 | -0.077 | 37.270 | -0.090 | | | | | | | | |
| 37.288 | -0.096 | 37.305 | -0.096 | 37.322 | -0.102 | 37.340 | -0.122 | | | | | | | | |
| 37.350 | -0.129 | 37.363 | -0.108 | 37.379 | -0.100 | 37.394 | -0.100 | | | | | | | | |
| 37.409 | -0.113 | 37.425 | -0.147 | 37.445 | -0.174 | 37.461 | -0.167 | | | | | | | | |
| 37.479 | -0.124 | 37.495 | -0.089 | 37.512 | -0.074 | 37.531 | -0.073 | | | | | | | | |
| 37.547 | -0.066 | 37.568 | -0.079 | 37.591 | -0.078 | 37.602 | -0.084 | | | | | | | | |
| 37.622 | -0.097 | 37.644 | -0.096 | 37.659 | -0.089 | 37.677 | -0.067 | | | | | | | | |
| 37.692 | -0.073 | 37.711 | -0.100 | 37.731 | -0.099 | 37.752 | -0.084 | | | | | | | | |
| 37.774 | -0.077 | 37.795 | -0.076 | 37.814 | -0.089 | 37.838 | -0.095 | | | | | | | | |
| 37.854 | -0.094 | 37.874 | -0.100 | 37.891 | -0.099 | 37.913 | -0.091 | | | | | | | | |
| 37.929 | -0.091 | 37.944 | -0.076 | 37.964 | -0.082 | 37.980 | -0.088 | | | | | | | | |
| 37.998 | -0.053 | 38.015 | -0.031 | 38.033 | -0.024 | 38.054 | -0.016 | | | | | | | | |
| 38.072 | -0.015 | 38.090 | -0.014 | 38.106 | -0.006 | 38.120 | 0.009 | | | | | | | | |

71.166 2/9/71 0600PST HOLLYWOOD 1760 N. ORCHID AV. 12TH FL EAST

2945 POINTS 41.120 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 0.2027 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|---------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.023 | 0.013 | -0.044 | 0.025 | -0.052 | 0.039 | -0.038 | 2.378 | -0.056 | 2.391 | -0.057 | 2.402 | -0.079 | 2.429 | -0.081 | 2.441 | -0.081 |
| 0.059 | -0.025 | 0.072 | -0.047 | 0.082 | -0.026 | 0.097 | -0.013 | 2.442 | -0.081 | 2.452 | -0.068 | 2.464 | -0.027 | 2.481 | -0.021 | 2.491 | -0.021 |
| 0.000 | -0.000 | 0.132 | -0.001 | 0.155 | -0.037 | 0.172 | -0.058 | 2.500 | -0.008 | 2.522 | -0.015 | 2.533 | -0.030 | 2.552 | -0.086 | 2.562 | -0.086 |
| 0.185 | -0.066 | 0.206 | -0.060 | 0.218 | -0.020 | 0.238 | -0.007 | 2.577 | -0.094 | 2.596 | -0.060 | 2.608 | -0.032 | 2.623 | -0.012 | 2.633 | -0.012 |
| 0.249 | -0.027 | 0.262 | -0.002 | 0.280 | -0.003 | 0.302 | -0.017 | 2.633 | -0.019 | 2.653 | -0.026 | 2.671 | -0.001 | 2.689 | -0.021 | 2.699 | -0.021 |
| 0.325 | -0.038 | 0.347 | -0.046 | 0.369 | -0.060 | 0.405 | -0.033 | 2.704 | -0.021 | 2.718 | -0.007 | 2.731 | -0.035 | 2.747 | -0.028 | 2.757 | -0.028 |
| 0.424 | -0.006 | 0.443 | -0.013 | 0.456 | -0.030 | 0.470 | -0.014 | 2.767 | -0.027 | 2.783 | -0.028 | 2.800 | -0.028 | 2.821 | -0.014 | 2.831 | -0.014 |
| 0.484 | -0.001 | 0.499 | -0.029 | 0.525 | -0.036 | 0.544 | -0.044 | 2.838 | -0.000 | 2.848 | -0.027 | 2.858 | -0.068 | 2.869 | -0.117 | 2.879 | -0.117 |
| 0.551 | -0.072 | 0.575 | -0.038 | 0.590 | -0.045 | 0.609 | -0.011 | 2.879 | -0.117 | 2.890 | -0.103 | 2.904 | -0.047 | 2.918 | -0.015 | 2.928 | -0.015 |
| 0.628 | -0.005 | 0.635 | -0.043 | 0.647 | -0.070 | 0.676 | -0.062 | 2.929 | -0.036 | 2.950 | -0.043 | 2.965 | -0.036 | 2.978 | -0.002 | 2.988 | -0.002 |
| 0.688 | -0.014 | 0.702 | -0.056 | 0.714 | -0.084 | 0.734 | -0.092 | 2.992 | -0.046 | 3.001 | -0.039 | 3.020 | -0.039 | 3.031 | -0.052 | 3.041 | -0.052 |
| 0.748 | -0.093 | 0.760 | -0.0748 | 0.769 | -0.018 | 0.776 | -0.005 | 3.048 | -0.073 | 3.060 | -0.045 | 3.080 | -0.037 | 3.087 | -0.037 | 3.097 | -0.037 |
| 0.794 | -0.005 | 0.819 | -0.001 | 0.835 | -0.021 | 0.850 | -0.027 | 3.099 | -0.016 | 3.112 | -0.039 | 3.127 | -0.081 | 3.140 | -0.068 | 3.150 | -0.068 |
| 0.861 | -0.027 | 0.886 | -0.005 | 0.913 | -0.030 | 0.929 | -0.107 | 3.155 | -0.033 | 3.170 | -0.020 | 3.189 | -0.027 | 3.200 | -0.040 | 3.210 | -0.040 |
| 0.948 | -0.135 | 0.961 | -0.101 | 0.978 | -0.053 | 0.989 | -0.002 | 3.211 | -0.054 | 3.230 | -0.075 | 3.243 | -0.027 | 3.269 | -0.084 | 3.279 | -0.084 |
| 1.000 | -0.043 | 1.011 | -0.063 | 1.024 | -0.049 | 1.032 | -0.048 | 3.289 | -0.125 | 3.300 | -0.112 | 3.310 | -0.091 | 3.323 | -0.091 | 3.333 | -0.091 |
| 1.108 | -0.030 | 1.129 | -0.066 | 1.085 | -0.002 | 1.094 | -0.009 | 3.329 | -0.056 | 3.340 | -0.020 | 3.344 | -0.047 | 3.364 | -0.061 | 3.374 | -0.061 |
| 1.148 | -0.061 | 1.074 | -0.047 | 1.085 | -0.002 | 1.094 | -0.009 | 3.375 | -0.027 | 3.387 | -0.001 | 3.416 | -0.021 | 3.427 | -0.021 | 3.437 | -0.021 |
| 1.178 | -0.074 | 1.195 | -0.006 | 1.203 | -0.034 | 1.220 | -0.034 | 3.432 | -0.069 | 3.444 | -0.124 | 3.454 | -0.144 | 3.474 | -0.178 | 3.484 | -0.178 |
| 1.234 | -0.027 | 1.247 | -0.020 | 1.254 | -0.005 | 1.272 | -0.046 | 3.492 | -0.164 | 3.508 | -0.095 | 3.520 | -0.032 | 3.538 | -0.025 | 3.548 | -0.025 |
| 1.281 | -0.060 | 1.297 | -0.045 | 1.312 | -0.045 | 1.327 | -0.094 | 3.550 | -0.031 | 3.566 | -0.065 | 3.584 | -0.106 | 3.593 | -0.126 | 3.603 | -0.126 |
| 1.338 | -0.122 | 1.354 | -0.150 | 1.370 | -0.089 | 1.380 | -0.048 | 3.620 | -0.118 | 3.635 | -0.083 | 3.647 | -0.047 | 3.663 | -0.026 | 3.673 | -0.026 |
| 1.394 | -0.020 | 1.398 | -0.014 | 1.410 | -0.013 | 1.416 | -0.041 | 3.681 | -0.025 | 3.691 | -0.045 | 3.714 | -0.058 | 3.727 | -0.072 | 3.737 | -0.072 |
| 1.433 | -0.033 | 1.450 | -0.009 | 1.461 | -0.030 | 1.481 | -0.031 | 3.750 | -0.030 | 3.766 | -0.012 | 3.780 | -0.026 | 3.796 | -0.012 | 3.806 | -0.012 |
| 1.493 | -0.003 | 1.507 | -0.017 | 1.524 | -0.018 | 1.541 | -0.066 | 3.810 | -0.029 | 3.827 | -0.022 | 3.834 | -0.015 | 3.844 | -0.070 | 3.854 | -0.070 |
| 1.555 | -0.167 | 1.574 | -0.086 | 1.586 | -0.010 | 1.599 | -0.045 | 3.856 | -0.118 | 3.869 | -0.152 | 3.879 | -0.152 | 3.893 | -0.110 | 3.903 | -0.110 |
| 1.610 | -0.080 | 1.620 | -0.087 | 1.636 | -0.052 | 1.647 | -0.039 | 3.900 | -0.076 | 3.911 | -0.041 | 3.927 | -0.048 | 3.942 | -0.054 | 3.952 | -0.054 |
| 1.661 | 0.025 | 1.673 | -0.044 | 1.684 | -0.044 | 1.706 | -0.023 | 3.974 | -0.075 | 3.989 | -0.095 | 4.012 | -0.095 | 4.022 | -0.060 | 4.032 | -0.060 |
| 1.715 | 0.012 | 1.727 | -0.019 | 1.735 | -0.008 | 1.754 | -0.070 | 4.035 | -0.025 | 4.050 | -0.005 | 4.063 | -0.051 | 4.072 | -0.085 | 4.082 | -0.085 |
| 1.766 | -0.125 | 1.775 | -0.159 | 1.785 | -0.022 | 1.793 | -0.165 | 4.079 | -0.092 | 4.091 | -0.058 | 4.100 | -0.024 | 4.113 | -0.038 | 4.123 | -0.038 |
| 1.808 | -0.137 | 1.818 | -0.061 | 1.829 | 0.022 | 1.845 | -0.078 | 4.129 | 0.058 | 4.143 | -0.045 | 4.165 | -0.038 | 4.173 | -0.065 | 4.183 | -0.065 |
| 1.850 | 0.071 | 1.866 | -0.044 | 1.886 | -0.011 | 1.903 | -0.060 | 4.188 | -0.065 | 4.197 | -0.051 | 4.215 | -0.066 | 4.230 | -0.115 | 4.240 | -0.115 |
| 1.894 | -0.067 | 1.933 | -0.067 | 1.950 | -0.108 | 1.969 | -0.136 | 4.238 | -0.149 | 4.251 | -0.170 | 4.264 | -0.150 | 4.279 | -0.088 | 4.289 | -0.088 |
| 1.984 | -0.136 | 1.997 | -0.095 | 2.014 | -0.026 | 2.027 | -0.015 | 4.296 | -0.040 | 4.311 | -0.005 | 4.324 | -0.050 | 4.337 | -0.064 | 4.347 | -0.064 |
| 2.042 | -0.069 | 2.058 | -0.062 | 2.071 | -0.054 | 2.088 | -0.012 | 4.353 | -0.036 | 4.365 | -0.015 | 4.375 | -0.033 | 4.387 | -0.047 | 4.397 | -0.047 |
| 2.101 | -0.030 | 2.111 | -0.038 | 2.123 | -0.046 | 2.141 | -0.012 | 4.397 | -0.027 | 4.410 | -0.027 | 4.421 | -0.048 | 4.435 | -0.089 | 4.445 | -0.089 |
| 2.159 | -0.013 | 2.172 | -0.028 | 2.185 | -0.044 | 2.200 | -0.064 | 4.444 | -0.062 | 4.464 | -0.007 | 4.480 | -0.055 | 4.489 | -0.075 | 4.499 | -0.075 |
| 2.218 | -0.065 | 2.235 | -0.046 | 2.251 | -0.068 | 2.264 | -0.069 | 4.502 | -0.102 | 4.514 | -0.095 | 4.528 | -0.088 | 4.541 | -0.060 | 4.551 | -0.060 |
| 2.271 | -0.042 | 2.280 | -0.015 | 2.293 | -0.016 | 2.309 | -0.024 | 4.553 | -0.102 | 4.564 | -0.005 | 4.572 | -0.039 | 4.591 | -0.049 | 4.601 | -0.049 |
| 2.322 | -0.039 | 2.335 | -0.0374 | 2.346 | -0.095 | 2.358 | -0.055 | 4.598 | -0.038 | 4.611 | -0.024 | 4.633 | -0.039 | 4.639 | -0.046 | 4.649 | -0.046 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 4.652 | 0.026 | 4.563 | 0.012 | 4.674 | -0.001 | 4.632 | 0.048 | 7.215 | 0.398 | 7.220 | 0.474 | 7.233 | 0.515 | 7.241 | 0.488 |
| 4.700 | 0.041 | 4.717 | 0.028 | 4.736 | 0.029 | 4.748 | 0.043 | 7.246 | -0.384 | 7.260 | 0.095 | 7.270 | -0.230 | 7.279 | -0.616 |
| 4.764 | 0.016 | 4.775 | 0.045 | 4.783 | 0.100 | 4.797 | 0.128 | 7.286 | -0.823 | 7.293 | -0.899 | 7.302 | -0.906 | 7.312 | -0.850 |
| 4.805 | 0.101 | 4.826 | 0.061 | 4.836 | 0.040 | 4.852 | 0.034 | 7.323 | -0.761 | 7.335 | -0.685 | 7.342 | -0.643 | 7.355 | -0.629 |
| 4.863 | -0.000 | 4.877 | -0.062 | 4.892 | -0.103 | 4.912 | -0.151 | 7.361 | -0.650 | 7.373 | -0.691 | 7.382 | -0.643 | 7.392 | -0.601 |
| 4.926 | -0.164 | 4.939 | -0.143 | 4.949 | -0.163 | 4.963 | -0.287 | 7.399 | -0.581 | 7.407 | -0.560 | 7.415 | -0.532 | 7.421 | -0.546 |
| 4.970 | -0.329 | 4.984 | -0.370 | 4.998 | -0.411 | 5.005 | -0.445 | 7.434 | -0.580 | 7.444 | -0.622 | 7.456 | -0.663 | 7.465 | -0.642 |
| 5.016 | -0.493 | 5.021 | -0.514 | 5.033 | -0.513 | 5.041 | -0.499 | 7.480 | -0.421 | 7.493 | -0.173 | 7.504 | -0.021 | 7.514 | 0.048 |
| 5.049 | -0.534 | 5.059 | -0.596 | 5.068 | -0.644 | 5.075 | -0.637 | 7.524 | 0.145 | 7.535 | 0.283 | 7.546 | 0.401 | 7.553 | 0.456 |
| 5.088 | -0.588 | 5.102 | -0.594 | 5.114 | -0.642 | 5.123 | -0.691 | 7.564 | 0.428 | 7.576 | 0.332 | 7.584 | 0.187 | 7.596 | -0.027 |
| 5.131 | -0.621 | 5.146 | -0.388 | 5.159 | -0.131 | 5.167 | -0.014 | 7.608 | -0.151 | 7.616 | -0.241 | 7.633 | -0.268 | 7.639 | -0.255 |
| 5.179 | 0.039 | 5.189 | 0.030 | 5.200 | 0.042 | 5.211 | 0.054 | 7.656 | -0.165 | 7.670 | -0.041 | 7.688 | 0.062 | 7.700 | 0.131 |
| 5.221 | -0.089 | 5.231 | -0.102 | 5.235 | -0.034 | 5.247 | 0.070 | 7.711 | 0.186 | 7.721 | 0.144 | 7.729 | 0.075 | 7.739 | 0.013 |
| 5.258 | 0.209 | 5.278 | 0.319 | 5.291 | 0.389 | 5.304 | 0.430 | 7.754 | 0.006 | 7.766 | 0.054 | 7.781 | 0.171 | 7.790 | 0.253 |
| 5.323 | 0.513 | 5.338 | 0.472 | 5.354 | 0.424 | 5.364 | 0.404 | 7.798 | 0.267 | 7.810 | 0.218 | 7.816 | 0.129 | 7.833 | -0.210 |
| 5.376 | 0.449 | 5.389 | 0.038 | 5.401 | -0.079 | 5.409 | -0.196 | 7.849 | -0.583 | 7.856 | -0.832 | 7.861 | -0.922 | 7.868 | -0.929 |
| 5.424 | -0.251 | 5.432 | -0.217 | 5.441 | -0.196 | 5.449 | -0.223 | 7.878 | -0.812 | 7.887 | -0.633 | 7.899 | -0.420 | 7.913 | -0.227 |
| 5.461 | -0.292 | 5.471 | -0.354 | 5.491 | -0.423 | 5.504 | -0.436 | 7.926 | -0.131 | 7.935 | 0.076 | 7.946 | 0.165 | 7.954 | 0.199 |
| 5.511 | -0.415 | 5.523 | -0.305 | 5.533 | -0.077 | 5.537 | 0.165 | 7.965 | 0.178 | 7.975 | 0.129 | 7.989 | 0.080 | 7.995 | 0.066 |
| 5.546 | 0.255 | 5.557 | 0.310 | 5.564 | 0.269 | 5.576 | 0.083 | 8.010 | 0.086 | 8.017 | 0.093 | 8.028 | 0.099 | 8.038 | 0.133 |
| 5.588 | -0.166 | 5.596 | -0.324 | 5.605 | -0.428 | 5.611 | -0.524 | 8.049 | 0.271 | 8.060 | 0.457 | 8.069 | 0.546 | 8.076 | 0.615 |
| 5.626 | -0.565 | 5.641 | -0.538 | 5.657 | -0.365 | 5.671 | -0.130 | 8.086 | 0.656 | 8.097 | 0.697 | 8.109 | 0.758 | 8.115 | 0.848 |
| 5.684 | 0.022 | 5.691 | 0.105 | 5.703 | 0.119 | 5.716 | 0.078 | 8.125 | 0.923 | 8.133 | 1.040 | 8.140 | 1.164 | 8.151 | 1.239 |
| 5.728 | 0.023 | 5.741 | 0.031 | 5.761 | 0.120 | 5.770 | 0.162 | 8.157 | 1.232 | 8.168 | 1.321 | 8.173 | 1.369 | 8.181 | 1.397 |
| 5.782 | 0.245 | 5.790 | 0.369 | 5.803 | 0.472 | 5.811 | 0.500 | 8.188 | 1.279 | 8.198 | 1.030 | 8.207 | 0.954 | 8.215 | 0.608 |
| 5.821 | 0.330 | 5.832 | 0.390 | 5.841 | 0.314 | 5.848 | 0.259 | 8.226 | 0.449 | 8.232 | 0.318 | 8.247 | 0.207 | 8.261 | 0.109 |
| 5.866 | 0.252 | 5.873 | 0.232 | 5.892 | 0.190 | 5.902 | 0.177 | 8.280 | 0.109 | 8.296 | 0.081 | 8.303 | 0.039 | 8.311 | -0.072 |
| 5.909 | 0.204 | 5.921 | 0.287 | 5.933 | 0.349 | 5.944 | 0.315 | 8.320 | -0.175 | 8.329 | -0.210 | 8.333 | -0.224 | 8.346 | -0.156 |
| 5.957 | 0.198 | 5.963 | 0.149 | 5.979 | 0.060 | 5.989 | -0.016 | 8.355 | -0.045 | 8.361 | 0.079 | 8.372 | 0.140 | 8.380 | 0.147 |
| 6.000 | -0.116 | 6.007 | -0.216 | 6.017 | -0.230 | 6.025 | -0.140 | 8.390 | 0.112 | 8.401 | 0.022 | 8.406 | -0.020 | 8.416 | -0.041 |
| 6.037 | -0.002 | 6.048 | 0.132 | 6.056 | 0.143 | 6.071 | 0.068 | 8.427 | -0.075 | 8.438 | -0.062 | 8.454 | -0.014 | 8.465 | 0.020 |
| 6.084 | -0.098 | 6.099 | -0.250 | 6.111 | -0.381 | 6.125 | -0.477 | 8.485 | 0.026 | 8.495 | 0.047 | 8.508 | 0.219 | 8.523 | 0.501 |
| 6.137 | -0.456 | 6.152 | -0.373 | 6.168 | -0.242 | 6.183 | -0.138 | 8.532 | 0.625 | 8.539 | 0.667 | 8.549 | 0.701 | 8.561 | 0.604 |
| 6.191 | -0.097 | 6.202 | -0.034 | 6.212 | 0.042 | 6.223 | 0.063 | 8.573 | 0.473 | 8.584 | 0.410 | 8.598 | 0.375 | 8.606 | 0.327 |
| 6.230 | 0.028 | 6.245 | -0.096 | 6.255 | -0.220 | 6.269 | -0.316 | 8.615 | 0.168 | 8.635 | -0.281 | 8.648 | -0.626 | 8.661 | -0.951 |
| 6.284 | -0.364 | 6.296 | -0.378 | 6.306 | -0.395 | 6.316 | -0.191 | 8.678 | -1.075 | 8.686 | -1.000 | 8.711 | -0.607 | 8.724 | -0.296 |
| 6.325 | -0.108 | 6.329 | -0.094 | 6.347 | -0.087 | 6.362 | -0.025 | 8.739 | -0.055 | 8.750 | 0.069 | 8.757 | 0.124 | 8.768 | 0.151 |
| 6.380 | 0.099 | 6.398 | 0.206 | 6.416 | 0.569 | 6.429 | 0.935 | 8.783 | 0.137 | 8.798 | 0.082 | 8.811 | -0.008 | 8.819 | -0.091 |
| 6.441 | 1.156 | 6.446 | 1.246 | 6.456 | 1.266 | 6.466 | 1.204 | 8.832 | -0.319 | 8.842 | -0.485 | 8.853 | -0.574 | 8.861 | -0.498 |
| 6.471 | 1.129 | 6.486 | 0.611 | 6.503 | 0.100 | 6.512 | -0.217 | 8.872 | -0.319 | 8.881 | -0.154 | 8.902 | 0.026 | 8.919 | 0.164 |
| 6.518 | -0.369 | 6.529 | -0.424 | 6.538 | -0.369 | 6.557 | -0.143 | 8.932 | 0.267 | 8.950 | 0.288 | 8.962 | 0.212 | 8.974 | -0.009 |
| 6.563 | -0.065 | 6.575 | -0.003 | 6.588 | -0.078 | 6.606 | -0.161 | 8.983 | -0.223 | 8.994 | -0.396 | 9.004 | -0.506 | 9.016 | -0.555 |
| 6.619 | -0.334 | 6.625 | -0.341 | 6.637 | -0.589 | 6.646 | -0.693 | 9.026 | -0.582 | 9.035 | -0.637 | 9.046 | -0.727 | 9.056 | -0.900 |
| 6.656 | -0.713 | 6.666 | -0.672 | 6.680 | -0.506 | 6.689 | -0.417 | 9.062 | -0.962 | 9.073 | -1.038 | 9.088 | -0.948 | 9.091 | -0.858 |
| 6.695 | -0.368 | 6.706 | -0.368 | 6.715 | -0.403 | 6.725 | -0.506 | 9.104 | -0.706 | 9.114 | -0.610 | 9.119 | -0.603 | 9.137 | -0.575 |
| 6.733 | -0.590 | 6.741 | -0.637 | 6.751 | -0.534 | 6.765 | -0.320 | 9.153 | -0.534 | 9.167 | -0.513 | 9.178 | -0.486 | 9.198 | -0.541 |
| 6.773 | -0.134 | 6.785 | 0.225 | 6.794 | 0.494 | 6.806 | 0.319 | 9.212 | -0.617 | 9.224 | -0.679 | 9.233 | -0.686 | 9.245 | -0.644 |
| 6.810 | 0.964 | 6.815 | 1.033 | 6.821 | 1.060 | 6.830 | 1.012 | 9.258 | -0.555 | 9.278 | -0.513 | 9.289 | -0.520 | 9.297 | -0.568 |
| 6.846 | 0.777 | 6.865 | 0.536 | 6.877 | 0.336 | 6.886 | 0.246 | 9.310 | -0.706 | 9.318 | -0.782 | 9.325 | -0.817 | 9.333 | -0.796 |
| 6.933 | 0.156 | 6.948 | 0.094 | 6.930 | 0.039 | 6.939 | -0.065 | 9.351 | -0.541 | 9.357 | -0.417 | 9.357 | -0.223 | 9.380 | -0.141 |
| 6.947 | -0.196 | 6.956 | -0.354 | 6.964 | -0.430 | 6.970 | -0.465 | 9.385 | -0.085 | 9.398 | -0.030 | 9.413 | -0.016 | 9.427 | -0.037 |
| 6.977 | -0.430 | 6.996 | -0.230 | 7.013 | -0.106 | 7.024 | -0.009 | 9.442 | -0.037 | 9.451 | -0.016 | 9.463 | 0.039 | 9.474 | 0.101 |
| 7.035 | -0.032 | 7.045 | -0.016 | 7.058 | -0.203 | 7.070 | -0.313 | 9.496 | 0.108 | 9.515 | 0.136 | 9.527 | 0.136 | 9.527 | 0.218 |
| 7.084 | -0.410 | 7.099 | -0.506 | 7.108 | -0.596 | 7.114 | -0.637 | 9.539 | 0.301 | 9.548 | 0.363 | 9.565 | 0.412 | 9.573 | 0.370 |
| 7.123 | -0.603 | 7.132 | -0.603 | 7.145 | -0.444 | 7.161 | -0.134 | 9.582 | 0.274 | 9.593 | 0.184 | 9.604 | 0.129 | 9.614 | 0.108 |
| 7.172 | 0.046 | 7.182 | 0.129 | 7.194 | 0.191 | 7.206 | 0.287 | 9.625 | 0.239 | 9.635 | 0.391 | 9.643 | 0.454 | 9.650 | 0.488 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9.657 | 0.398 | 9.667 | 0.146 | 9.676 | -0.085 | 9.682 | -0.237 | 12.581 | -0.110 | 12.606 | 0.020 | 12.623 | 0.082 | 12.642 | 0.061 |
| 9.689 | -0.299 | 9.699 | -0.341 | 9.711 | -0.292 | 9.721 | -0.244 | 12.659 | 0.033 | 12.674 | 0.018 | 12.698 | 0.155 | 12.698 | 0.155 |
| 9.731 | -0.237 | 9.747 | -0.265 | 9.762 | -0.320 | 9.768 | -0.448 | 12.709 | 0.223 | 12.771 | 0.167 | 12.730 | -0.034 | 12.747 | -0.091 |
| 9.781 | -0.306 | 9.798 | -0.306 | 9.818 | -0.147 | 9.830 | -0.099 | 12.754 | -0.105 | 12.766 | -0.044 | 12.798 | 0.058 | 12.826 | 0.148 |
| 9.840 | -0.372 | 9.849 | -0.372 | 9.861 | -0.309 | 9.872 | 0.184 | 12.808 | 0.148 | 12.835 | 0.115 | 12.834 | 0.058 | 12.892 | 0.051 |
| 9.885 | 0.377 | 9.888 | 0.474 | 9.896 | 0.508 | 9.904 | 0.515 | 12.916 | -0.052 | 12.939 | -0.115 | 12.970 | -0.150 | 12.988 | -0.178 |
| 9.909 | 0.488 | 9.913 | 0.446 | 9.930 | 0.418 | 9.941 | 0.481 | 12.999 | -0.171 | 13.032 | -0.110 | 13.069 | -0.063 | 13.092 | -0.050 |
| 9.956 | 0.626 | 9.967 | 0.708 | 9.979 | 0.757 | 9.989 | 0.701 | 13.093 | -0.050 | 13.122 | 0.011 | 13.134 | 0.005 | 13.163 | -0.022 |
| 10.000 | 0.550 | 10.013 | 0.398 | 10.027 | 0.329 | 10.040 | 0.294 | 13.199 | -0.306 | 13.209 | -0.041 | 13.229 | -0.054 | 13.240 | -0.026 |
| 10.052 | 0.349 | 10.065 | 0.531 | 10.074 | 0.646 | 10.083 | 0.756 | 13.344 | -0.217 | 13.364 | -0.390 | 13.380 | 0.032 | 13.340 | -0.093 |
| 10.094 | 0.811 | 10.108 | 0.749 | 10.121 | 0.652 | 10.130 | 0.576 | 13.414 | -0.212 | 13.420 | -0.102 | 13.450 | -0.041 | 13.467 | 0.013 |
| 10.144 | 0.514 | 10.162 | 0.452 | 10.177 | 0.410 | 10.186 | 0.451 | 13.485 | 0.025 | 13.517 | 0.023 | 13.530 | 0.029 | 13.559 | 0.021 |
| 10.216 | 0.493 | 10.229 | 0.513 | 10.240 | 0.581 | 10.251 | 0.740 | 13.566 | 0.006 | 13.586 | -0.071 | 13.610 | -0.073 | 13.627 | 0.009 |
| 10.255 | 0.809 | 10.269 | 0.870 | 10.277 | 0.808 | 10.288 | 0.607 | 13.630 | 0.112 | 13.653 | 0.186 | 13.659 | 0.268 | 13.684 | 0.294 |
| 10.297 | 0.407 | 10.308 | 0.241 | 10.320 | 0.144 | 10.342 | 0.033 | 13.698 | 0.231 | 13.707 | 0.065 | 13.726 | -0.088 | 13.734 | -0.254 |
| 10.370 | -0.044 | 10.386 | -0.065 | 10.397 | -0.073 | 10.403 | -0.128 | 13.752 | -0.310 | 13.786 | -0.333 | 13.796 | -0.244 | 13.812 | -0.093 |
| 10.416 | -0.177 | 10.424 | -0.191 | 10.442 | -0.102 | 10.458 | -0.006 | 13.837 | 0.024 | 13.855 | 0.086 | 13.871 | 0.079 | 13.882 | 0.017 |
| 10.471 | 0.125 | 10.479 | 0.297 | 10.489 | 0.545 | 10.500 | 0.821 | 13.908 | 0.003 | 13.915 | 0.044 | 13.948 | 0.155 | 13.962 | 0.182 |
| 10.506 | 0.917 | 10.513 | 0.936 | 10.519 | 0.923 | 10.529 | 0.778 | 13.981 | 0.210 | 14.013 | 0.307 | 14.025 | 0.258 | 14.047 | 0.238 |
| 10.540 | 0.501 | 10.547 | 0.377 | 10.562 | 0.259 | 10.570 | 0.300 | 14.082 | 0.224 | 14.090 | 0.161 | 14.113 | 0.119 | 14.137 | 0.167 |
| 10.584 | 0.410 | 10.594 | 0.437 | 10.602 | 0.430 | 10.613 | 0.388 | 14.170 | 0.208 | 14.189 | 0.145 | 14.236 | 0.026 | 14.246 | 0.060 |
| 10.622 | 0.312 | 10.633 | 0.249 | 10.643 | 0.131 | 10.654 | 0.083 | 14.274 | 0.099 | 14.310 | 0.146 | 14.330 | 0.193 | 14.367 | 0.280 |
| 10.669 | 0.151 | 10.676 | 0.303 | 10.685 | 0.385 | 10.695 | 0.392 | 14.384 | 0.162 | 14.402 | 0.126 | 14.408 | 0.140 | 14.442 | 0.110 |
| 10.715 | 0.336 | 10.728 | 0.273 | 10.749 | 0.307 | 10.758 | 0.321 | 14.446 | 0.055 | 14.461 | 0.054 | 14.477 | 0.053 | 14.508 | 0.059 |
| 10.771 | 0.265 | 10.790 | 0.106 | 10.806 | -0.026 | 10.822 | -0.192 | 14.516 | -0.058 | 14.517 | -0.018 | 14.540 | -0.095 | 14.543 | -0.192 |
| 10.838 | -0.319 | 10.852 | -0.345 | 10.865 | -0.407 | 10.886 | -0.443 | 14.575 | -0.221 | 14.590 | -0.215 | 14.603 | -0.196 | 14.620 | -0.121 |
| 10.898 | -0.416 | 10.913 | -0.264 | 10.927 | -0.044 | 10.934 | 0.032 | 14.625 | -0.046 | 14.649 | 0.097 | 14.659 | 0.248 | 14.678 | 0.337 |
| 10.946 | 0.066 | 10.965 | 0.003 | 10.988 | -0.049 | 11.004 | -0.047 | 14.683 | 0.343 | 14.701 | 0.328 | 14.720 | 0.244 | 14.737 | 0.160 |
| 11.018 | -0.026 | 11.038 | 0.070 | 11.059 | 0.111 | 11.073 | 0.110 | 14.755 | 0.082 | 14.773 | 0.074 | 14.773 | 0.102 | 14.803 | 0.189 |
| 11.095 | 0.068 | 11.106 | -0.021 | 11.120 | -0.229 | 11.129 | -0.422 | 14.817 | 0.244 | 14.853 | 0.256 | 14.854 | 0.256 | 14.874 | 0.186 |
| 11.143 | -0.491 | 11.155 | -0.409 | 11.169 | -0.257 | 11.177 | -0.182 | 14.906 | 0.137 | 14.917 | 0.067 | 14.931 | -0.065 | 14.961 | -0.162 |
| 11.196 | -0.182 | 11.219 | -0.189 | 11.237 | -0.231 | 11.253 | -0.239 | 14.974 | -0.128 | 15.000 | -0.072 | 15.003 | -0.065 | 15.019 | -0.044 |
| 11.267 | -0.198 | 11.274 | -0.177 | 11.289 | -0.184 | 11.304 | -0.206 | 15.047 | 0.012 | 15.052 | 0.012 | 15.085 | 0.014 | 15.109 | 0.001 |
| 11.321 | -0.337 | 11.337 | -0.469 | 11.351 | -0.559 | 11.365 | -0.601 | 15.119 | -0.047 | 15.144 | -0.096 | 15.146 | -0.096 | 15.169 | -0.006 |
| 11.381 | -0.540 | 11.404 | -0.417 | 11.418 | -0.217 | 11.428 | -0.038 | 15.189 | 0.125 | 15.205 | 0.201 | 15.221 | 0.228 | 15.243 | 0.180 |
| 11.437 | 0.358 | 11.450 | 0.378 | 11.459 | 0.051 | 11.470 | -0.039 | 15.271 | 0.090 | 15.284 | 0.083 | 15.306 | 0.172 | 15.327 | 0.240 |
| 11.484 | -0.184 | 11.494 | -0.240 | 11.507 | -0.274 | 11.521 | -0.261 | 15.329 | 0.288 | 15.343 | 0.288 | 15.361 | 0.260 | 15.376 | 0.232 |
| 11.534 | -0.268 | 11.546 | -0.309 | 11.555 | -0.385 | 11.570 | -0.462 | 15.387 | 0.212 | 15.394 | 0.177 | 15.410 | 0.122 | 15.422 | 0.081 |
| 11.573 | -0.441 | 11.589 | -0.310 | 11.597 | -0.186 | 11.608 | -0.089 | 15.435 | 0.074 | 15.446 | 0.068 | 15.457 | 0.068 | 15.469 | 0.068 |
| 11.621 | -0.348 | 11.630 | -0.376 | 11.646 | -0.172 | 11.659 | -0.324 | 15.478 | 0.082 | 15.487 | 0.137 | 15.507 | 0.185 | 15.509 | 0.199 |
| 11.671 | -0.421 | 11.691 | -0.518 | 11.702 | -0.580 | 11.711 | -0.580 | 15.531 | 0.225 | 15.536 | 0.205 | 15.543 | 0.142 | 15.566 | 0.107 |
| 11.724 | -0.546 | 11.745 | -0.525 | 11.761 | -0.442 | 11.780 | -0.291 | 15.573 | 0.065 | 15.596 | 0.003 | 15.597 | -0.074 | 15.609 | -0.171 |
| 11.795 | -0.173 | 11.809 | -0.084 | 11.818 | -0.036 | 11.828 | -0.029 | 15.621 | -0.233 | 15.680 | -0.015 | 15.693 | 0.033 | 15.717 | 0.025 |
| 11.841 | -0.078 | 11.854 | -0.147 | 11.869 | -0.237 | 11.879 | -0.299 | 15.664 | -0.063 | 15.680 | -0.042 | 15.760 | -0.008 | 15.782 | -0.007 |
| 11.896 | -0.334 | 11.911 | -0.313 | 11.926 | -0.293 | 11.947 | -0.231 | 15.803 | -0.006 | 15.836 | -0.041 | 15.842 | -0.048 | 15.858 | -0.027 |
| 11.958 | -0.135 | 11.973 | -0.038 | 12.048 | 0.147 | 12.059 | 0.196 | 15.872 | -0.048 | 15.886 | -0.069 | 15.904 | 0.007 | 15.923 | 0.020 |
| 12.027 | 0.016 | 12.035 | 0.079 | 12.094 | 0.122 | 12.106 | -0.219 | 15.953 | 0.018 | 15.963 | 0.031 | 15.987 | -0.012 | 15.998 | -0.054 |
| 12.116 | -0.274 | 12.137 | -0.267 | 12.157 | -0.274 | 12.169 | -0.295 | 16.017 | -0.049 | 16.039 | -0.051 | 16.052 | -0.058 | 16.086 | -0.106 |
| 12.180 | -0.364 | 12.190 | -0.447 | 12.205 | -0.454 | 12.224 | -0.323 | 16.107 | -0.183 | 16.111 | -0.238 | 16.131 | -0.273 | 16.140 | -0.287 |
| 12.237 | -0.227 | 12.253 | -0.185 | 12.269 | -0.185 | 12.283 | -0.170 | 16.159 | -0.280 | 16.181 | -0.328 | 16.207 | -0.347 | 16.229 | -0.319 |
| 12.308 | -0.038 | 12.330 | 0.101 | 12.341 | 0.170 | 12.353 | 0.143 | 16.251 | -0.201 | 16.262 | -0.208 | 16.279 | -0.194 | 16.293 | -0.193 |
| 12.365 | 0.123 | 12.370 | 0.123 | 12.378 | 0.103 | 12.386 | 0.117 | 16.311 | -0.131 | 16.324 | -0.103 | 16.341 | -0.103 | 16.361 | -0.103 |
| 12.399 | 0.173 | 12.414 | 0.236 | 12.432 | 0.361 | 12.440 | 0.431 | 16.377 | -0.145 | 16.394 | -0.166 | 16.407 | -0.167 | 16.426 | -0.195 |
| 12.450 | 0.411 | 12.461 | 0.316 | 12.489 | 0.180 | 12.500 | 0.140 | 16.450 | -0.238 | 16.468 | -0.226 | 16.473 | -0.247 | 16.491 | -0.289 |
| 12.514 | 0.372 | 12.536 | -0.009 | 12.558 | -0.104 | 12.566 | -0.152 | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 16.510 | -0.294 | 16.522 | -0.326 | 16.543 | -0.320 | 16.544 | -0.313 | 19.169 | 0.221 | 19.178 | 0.229 | 19.191 | 0.137 | 19.204 | 0.166 |
| 16.553 | -0.279 | 16.574 | -0.251 | 16.596 | -0.202 | 16.603 | -0.189 | 19.221 | 0.131 | 19.237 | 0.117 | 19.259 | 0.124 | 19.272 | 0.165 |
| 16.617 | -0.175 | 16.636 | -0.154 | 16.656 | -0.125 | 16.675 | -0.090 | 19.286 | 0.206 | 19.303 | 0.126 | 19.316 | 0.225 | 19.337 | 0.148 |
| 16.690 | -0.103 | 16.702 | -0.171 | 16.713 | -0.219 | 16.727 | -0.240 | 19.348 | 0.099 | 19.361 | 0.077 | 19.374 | 0.083 | 19.389 | 0.124 |
| 16.746 | -0.281 | 16.763 | -0.289 | 16.781 | -0.282 | 16.791 | -0.241 | 19.399 | 0.172 | 19.411 | 0.255 | 19.423 | 0.290 | 19.438 | 0.270 |
| 16.804 | -0.193 | 16.814 | -0.166 | 16.823 | -0.145 | 16.832 | -0.132 | 19.456 | 0.263 | 19.470 | 0.264 | 19.482 | 0.285 | 19.493 | 0.285 |
| 16.845 | -0.118 | 16.855 | -0.091 | 16.870 | -0.078 | 16.879 | -0.058 | 19.506 | 0.264 | 19.518 | 0.272 | 19.534 | 0.293 | 19.547 | 0.293 |
| 16.885 | -0.023 | 16.894 | -0.024 | 16.910 | -0.052 | 16.918 | -0.067 | 19.562 | 0.307 | 19.573 | 0.321 | 19.586 | 0.342 | 19.605 | 0.363 |
| 16.934 | -0.102 | 16.944 | -0.109 | 16.962 | -0.055 | 16.987 | -0.098 | 19.613 | 0.383 | 19.627 | 0.349 | 19.642 | 0.294 | 19.663 | 0.225 |
| 16.996 | 0.012 | 17.017 | 0.025 | 17.023 | 0.059 | 17.039 | 0.093 | 19.674 | 0.170 | 19.685 | 0.128 | 19.699 | 0.100 | 19.714 | 0.113 |
| 17.054 | 0.072 | 17.071 | 0.064 | 17.075 | 0.036 | 17.087 | 0.029 | 19.732 | 0.174 | 19.745 | 0.207 | 19.758 | 0.248 | 19.771 | 0.282 |
| 17.102 | 0.062 | 17.121 | 0.110 | 17.131 | 0.144 | 17.140 | 0.143 | 19.781 | 0.288 | 19.794 | 0.280 | 19.809 | 0.272 | 19.822 | 0.265 |
| 17.157 | 0.136 | 17.174 | 0.128 | 17.181 | 0.107 | 17.199 | 0.058 | 19.835 | 0.224 | 19.853 | 0.161 | 19.869 | 0.127 | 19.881 | 0.099 |
| 17.214 | 0.064 | 17.224 | 0.071 | 17.242 | 0.064 | 17.263 | 0.036 | 19.897 | 0.085 | 19.917 | 0.078 | 19.931 | 0.070 | 19.941 | 0.091 |
| 17.283 | 0.036 | 17.297 | 0.042 | 17.320 | 0.076 | 17.333 | 0.090 | 19.957 | 0.112 | 19.970 | 0.132 | 19.985 | 0.153 | 20.001 | 0.160 |
| 17.356 | 0.137 | 17.370 | 0.158 | 17.385 | 0.199 | 17.401 | 0.219 | 20.016 | 0.146 | 20.029 | 0.090 | 20.045 | 0.049 | 20.061 | 0.015 |
| 17.419 | 0.260 | 17.439 | 0.273 | 17.456 | 0.203 | 17.469 | 0.133 | 20.077 | 0.001 | 20.097 | 0.001 | 20.110 | 0.014 | 20.126 | 0.042 |
| 17.491 | 0.091 | 17.499 | 0.098 | 17.505 | 0.090 | 17.520 | 0.131 | 20.141 | 0.056 | 20.154 | 0.035 | 20.164 | 0.041 | 20.176 | 0.062 |
| 17.532 | 0.186 | 17.544 | 0.193 | 17.556 | 0.248 | 17.561 | 0.275 | 20.188 | 0.082 | 20.200 | 0.082 | 20.215 | 0.068 | 20.232 | 0.026 |
| 17.580 | 0.337 | 17.596 | 0.386 | 17.607 | 0.420 | 17.621 | 0.400 | 20.248 | -0.016 | 20.260 | -0.030 | 20.278 | 0.004 | 20.295 | 0.039 |
| 17.612 | 0.351 | 17.640 | 0.310 | 17.646 | 0.275 | 17.652 | 0.261 | 20.306 | 0.053 | 20.318 | 0.026 | 20.338 | -0.022 | 20.359 | -0.084 |
| 17.662 | 0.248 | 17.674 | 0.241 | 17.689 | 0.241 | 17.695 | 0.234 | 20.388 | 0.139 | 20.406 | -0.201 | 20.423 | -0.242 | 20.443 | -0.248 |
| 17.708 | 0.227 | 17.713 | 0.199 | 17.724 | 0.206 | 17.733 | 0.192 | 20.457 | -0.241 | 20.472 | -0.233 | 20.488 | -0.233 | 20.505 | -0.232 |
| 17.745 | 0.199 | 17.751 | 0.220 | 17.758 | 0.227 | 17.761 | 0.248 | 20.518 | -0.211 | 20.533 | -0.183 | 20.544 | -0.203 | 20.560 | -0.202 |
| 17.771 | 0.248 | 17.776 | 0.248 | 17.781 | 0.268 | 17.787 | 0.275 | 20.577 | -0.235 | 20.588 | -0.255 | 20.605 | -0.254 | 20.614 | -0.253 |
| 17.792 | 0.282 | 17.796 | 0.268 | 17.804 | 0.261 | 17.808 | 0.241 | 20.625 | -0.253 | 20.641 | -0.252 | 20.659 | -0.271 | 20.679 | -0.242 |
| 17.814 | 0.226 | 17.819 | 0.178 | 17.825 | 0.151 | 17.837 | 0.095 | 20.697 | -0.220 | 20.712 | -0.185 | 20.730 | -0.170 | 20.755 | -0.161 |
| 17.843 | 0.067 | 17.852 | 0.039 | 17.858 | 0.025 | 17.867 | 0.025 | 20.770 | -0.167 | 20.783 | -0.152 | 20.799 | -0.200 | 20.819 | -0.267 |
| 17.878 | -0.003 | 17.889 | -0.011 | 17.900 | -0.011 | 17.909 | -0.025 | 20.832 | -0.287 | 20.846 | -0.252 | 20.865 | -0.183 | 20.878 | -0.135 |
| 17.919 | -0.026 | 17.930 | -0.012 | 17.937 | -0.006 | 17.946 | 0.008 | 20.896 | -0.107 | 20.913 | -0.113 | 20.928 | -0.141 | 20.935 | -0.148 |
| 17.954 | 0.015 | 17.968 | 0.077 | 17.979 | 0.042 | 17.987 | 0.028 | 20.947 | -0.134 | 20.968 | -0.113 | 20.983 | -0.161 | 20.997 | -0.189 |
| 17.993 | 0.021 | 18.001 | 0.028 | 18.016 | 0.048 | 18.026 | 0.083 | 21.012 | -0.216 | 21.032 | -0.189 | 21.045 | -0.161 | 21.063 | -0.154 |
| 18.038 | 0.096 | 18.045 | 0.083 | 18.059 | 0.048 | 18.076 | 0.075 | 21.087 | -0.134 | 21.105 | -0.092 | 21.121 | -0.065 | 21.131 | -0.030 |
| 18.082 | 0.082 | 18.092 | 0.047 | 18.100 | 0.040 | 18.111 | 0.026 | 21.146 | -0.016 | 21.163 | -0.072 | 21.184 | -0.141 | 21.199 | -0.182 |
| 18.119 | -0.001 | 18.128 | -0.036 | 18.140 | -0.050 | 18.158 | -0.119 | 21.228 | -0.182 | 21.256 | -0.127 | 21.273 | -0.078 | 21.286 | -0.044 |
| 18.173 | -0.147 | 18.189 | -0.175 | 18.199 | -0.162 | 18.211 | -0.128 | 21.367 | 0.006 | 21.376 | -0.001 | 21.395 | 0.067 | 21.355 | 0.033 |
| 18.221 | -0.167 | 18.233 | -0.094 | 18.242 | -0.094 | 18.254 | -0.109 | 21.473 | -0.011 | 21.492 | 0.043 | 21.445 | 0.015 | 21.457 | -0.005 |
| 18.262 | -0.130 | 18.275 | -0.089 | 18.289 | -0.083 | 18.300 | -0.076 | 21.535 | 0.130 | 21.552 | 0.144 | 21.570 | 0.066 | 21.523 | 0.101 |
| 18.311 | -0.077 | 18.320 | -0.070 | 18.332 | -0.063 | 18.346 | -0.042 | 21.593 | 0.112 | 21.617 | 0.078 | 21.623 | 0.058 | 21.635 | 0.106 |
| 18.352 | -0.035 | 18.360 | -0.062 | 18.372 | -0.097 | 18.380 | -0.124 | 21.652 | 0.102 | 21.675 | 0.204 | 21.708 | 0.163 | 21.728 | 0.136 |
| 18.386 | -0.131 | 18.397 | -0.152 | 18.407 | -0.138 | 18.417 | -0.124 | 21.751 | 0.109 | 21.773 | 0.096 | 21.803 | 0.118 | 21.826 | 0.161 |
| 18.424 | -0.117 | 18.434 | -0.117 | 18.445 | -0.116 | 18.457 | -0.109 | 21.844 | 0.182 | 21.866 | 0.211 | 21.888 | 0.184 | 21.899 | 0.150 |
| 18.465 | -0.081 | 18.474 | -0.067 | 18.486 | -0.067 | 18.496 | -0.081 | 21.928 | 0.117 | 21.956 | 0.097 | 21.970 | 0.119 | 22.005 | 0.147 |
| 18.510 | -0.156 | 18.527 | -0.280 | 18.537 | -0.362 | 18.547 | -0.417 | 22.030 | 0.162 | 22.067 | 0.177 | 22.075 | 0.197 | 22.088 | 0.204 |
| 18.553 | -0.431 | 18.559 | -0.445 | 18.569 | -0.437 | 18.582 | -0.417 | 22.109 | 0.169 | 22.128 | 0.134 | 22.147 | 0.079 | 22.166 | 0.065 |
| 18.590 | -0.417 | 18.601 | -0.410 | 18.616 | -0.431 | 18.627 | -0.452 | 22.187 | 0.065 | 22.201 | 0.085 | 22.218 | 0.106 | 22.229 | 0.133 |
| 18.637 | -0.452 | 18.643 | -0.404 | 18.662 | -0.287 | 18.676 | -0.242 | 22.248 | 0.078 | 22.270 | -0.074 | 22.285 | -0.136 | 22.300 | -0.136 |
| 18.683 | -0.205 | 18.695 | -0.137 | 18.706 | -0.117 | 18.724 | -0.097 | 22.316 | -0.101 | 22.344 | -0.038 | 22.379 | -0.009 | 22.396 | 0.046 |
| 18.734 | -0.084 | 18.751 | -0.037 | 18.765 | -0.059 | 18.778 | -0.060 | 22.407 | 0.057 | 22.433 | 0.075 | 22.459 | 0.013 | 22.485 | -0.042 |
| 18.791 | -0.069 | 18.806 | -0.050 | 18.820 | -0.038 | 18.836 | -0.026 | 22.512 | -0.063 | 22.534 | -0.063 | 22.561 | -0.084 | 22.574 | -0.084 |
| 18.850 | -0.042 | 18.860 | -0.064 | 18.872 | -0.072 | 18.884 | -0.060 | 22.582 | -0.077 | 22.598 | -0.036 | 22.613 | 0.013 | 22.627 | 0.033 |
| 18.896 | -0.019 | 18.904 | -0.012 | 18.919 | -0.034 | 18.937 | -0.076 | 22.643 | -0.002 | 22.662 | -0.072 | 22.680 | -0.135 | 22.697 | -0.184 |
| 18.958 | -0.091 | 18.980 | -0.099 | 18.995 | -0.120 | 19.007 | -0.127 | 22.713 | -0.021 | 22.741 | -0.072 | 22.760 | -0.129 | 22.782 | -0.081 |
| 19.021 | -0.091 | 19.038 | -0.023 | 19.057 | 0.042 | 19.065 | 0.034 | 22.803 | -0.123 | 22.828 | -0.199 | 22.852 | -0.220 | 22.883 | -0.178 |
| 19.073 | -0.119 | 19.082 | 0.113 | 19.095 | 0.058 | 19.108 | 0.018 | | | | | | | | |
| 19.119 | 0.004 | 19.137 | 0.088 | 19.145 | 0.123 | 19.158 | 0.214 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 22.893 | -0.137 | 22.914 | -0.123 | 22.930 | -0.095 | 22.950 | -0.053 | 25.601 | -0.051 | 25.669 | -0.051 | 25.680 | -0.037 | 25.686 | -0.030 |
| 22.907 | -0.032 | 22.984 | -0.022 | 22.996 | -0.066 | 23.023 | -0.058 | 25.694 | -0.023 | 25.706 | -0.030 | 25.726 | -0.058 | 25.735 | -0.058 |
| 23.051 | -0.065 | 23.077 | -0.038 | 23.089 | -0.010 | 23.103 | 0.003 | 25.745 | -0.058 | 25.755 | -0.037 | 25.765 | -0.016 | 25.774 | -0.009 |
| 23.122 | 0.024 | 23.135 | 0.037 | 23.151 | 0.078 | 23.177 | 0.064 | 25.783 | 0.025 | 25.791 | 0.004 | 25.799 | 0.011 | 25.806 | 0.018 |
| 23.193 | 0.057 | 23.217 | 0.049 | 23.245 | -0.006 | 23.252 | -0.027 | 25.816 | 0.025 | 25.832 | 0.018 | 25.832 | 0.011 | 25.841 | 0.004 |
| 23.270 | -0.000 | 23.230 | 0.034 | 23.300 | 0.043 | 23.316 | 0.067 | 25.849 | -0.003 | 25.862 | -0.009 | 25.875 | -0.003 | 25.887 | 0.011 |
| 23.329 | 0.068 | 23.341 | 0.068 | 23.353 | 0.074 | 23.365 | 0.067 | 25.896 | 0.039 | 25.910 | 0.060 | 25.925 | 0.080 | 25.936 | 0.073 |
| 23.385 | -0.002 | 23.398 | -0.044 | 23.416 | -0.035 | 23.445 | -0.050 | 25.943 | 0.060 | 25.956 | 0.039 | 25.964 | 0.025 | 25.974 | 0.018 |
| 23.464 | 0.312 | 23.434 | 0.067 | 23.506 | 0.110 | 23.523 | 0.068 | 25.986 | 0.032 | 25.993 | 0.046 | 26.001 | 0.073 | 26.012 | 0.080 |
| 23.547 | 0.034 | 23.577 | -0.007 | 23.605 | 0.021 | 23.623 | 0.097 | 26.022 | 0.067 | 26.037 | 0.046 | 26.038 | 0.042 | 26.049 | 0.018 |
| 23.641 | 0.166 | 23.658 | 0.194 | 23.670 | 0.195 | 23.693 | 0.195 | 26.058 | 0.025 | 26.067 | 0.032 | 26.079 | 0.032 | 26.094 | 0.046 |
| 23.714 | 0.168 | 23.730 | 0.182 | 23.743 | 0.189 | 23.758 | 0.143 | 26.106 | 0.073 | 26.117 | 0.087 | 26.124 | 0.094 | 26.135 | 0.094 |
| 23.767 | 0.106 | 23.783 | 0.086 | 23.801 | 0.093 | 23.815 | 0.134 | 26.149 | 0.080 | 26.164 | 0.060 | 26.175 | 0.032 | 26.188 | 0.004 |
| 23.832 | 0.155 | 23.846 | 0.176 | 23.855 | 0.190 | 23.864 | 0.204 | 26.196 | -0.003 | 26.204 | -0.003 | 26.214 | 0.004 | 26.229 | 0.025 |
| 23.879 | 0.218 | 23.899 | 0.190 | 23.926 | 0.129 | 23.942 | 0.080 | 26.242 | 0.060 | 26.251 | 0.087 | 26.263 | 0.101 | 26.270 | 0.108 |
| 23.953 | 0.025 | 23.971 | 0.004 | 23.980 | 0.010 | 23.998 | 0.038 | 26.277 | 0.108 | 26.287 | 0.107 | 26.298 | 0.114 | 26.311 | 0.121 |
| 24.010 | 0.051 | 24.021 | 0.072 | 24.023 | 0.078 | 24.043 | 0.064 | 26.322 | 0.121 | 26.336 | 0.120 | 26.345 | 0.120 | 26.355 | 0.120 |
| 24.058 | 0.053 | 24.031 | 0.022 | 24.095 | 0.008 | 24.137 | 0.001 | 26.362 | 0.127 | 26.373 | 0.177 | 26.381 | 0.099 | 26.390 | 0.071 |
| 24.121 | 0.000 | 24.129 | -0.021 | 24.141 | -0.056 | 24.156 | -0.070 | 26.402 | 0.044 | 26.413 | 0.016 | 26.419 | 0.002 | 26.426 | -0.005 |
| 24.170 | -0.053 | 24.135 | -0.023 | 24.191 | -0.009 | 24.202 | 0.018 | 26.434 | -0.012 | 26.441 | -0.012 | 26.449 | 0.015 | 26.455 | 0.029 |
| 24.216 | 0.004 | 24.230 | -0.013 | 24.244 | -0.039 | 24.259 | -0.025 | 26.462 | 0.043 | 26.475 | 0.063 | 26.483 | 0.084 | 26.491 | 0.097 |
| 24.263 | 0.003 | 24.278 | 0.017 | 24.289 | 0.037 | 24.300 | 0.037 | 26.499 | 0.097 | 26.508 | 0.097 | 26.516 | 0.103 | 26.525 | 0.096 |
| 24.317 | 0.017 | 24.327 | -0.018 | 24.337 | -0.039 | 24.350 | -0.025 | 26.538 | 0.089 | 26.550 | 0.082 | 26.558 | 0.081 | 26.567 | 0.081 |
| 24.359 | -0.011 | 24.338 | 0.017 | 24.379 | 0.024 | 24.390 | 0.037 | 26.575 | 0.081 | 26.584 | 0.081 | 26.592 | 0.094 | 26.598 | 0.094 |
| 24.402 | 0.037 | 24.411 | 0.058 | 24.424 | 0.079 | 24.434 | 0.092 | 26.609 | 0.121 | 26.615 | 0.142 | 26.624 | 0.155 | 26.631 | 0.169 |
| 24.445 | 0.092 | 24.461 | 0.058 | 24.476 | 0.030 | 24.484 | 0.016 | 26.637 | 0.176 | 26.645 | 0.175 | 26.652 | 0.161 | 26.660 | 0.147 |
| 24.496 | 0.032 | 24.515 | -0.005 | 24.525 | 0.029 | 24.536 | 0.043 | 26.667 | 0.126 | 26.673 | 0.119 | 26.680 | 0.112 | 26.686 | 0.112 |
| 24.547 | 0.043 | 24.552 | 0.035 | 24.575 | 0.001 | 24.586 | -0.026 | 26.695 | 0.126 | 26.707 | 0.116 | 26.716 | 0.132 | 26.726 | 0.132 |
| 24.605 | -0.067 | 24.620 | -0.095 | 24.633 | -0.095 | 24.646 | -0.081 | 26.733 | 0.118 | 26.743 | 0.111 | 26.751 | 0.097 | 26.762 | 0.076 |
| 24.658 | -0.080 | 24.673 | -0.066 | 24.686 | -0.059 | 24.701 | -0.073 | 26.770 | 0.076 | 26.779 | 0.076 | 26.790 | 0.069 | 26.801 | 0.062 |
| 24.710 | -0.074 | 24.724 | -0.115 | 24.734 | -0.136 | 24.750 | -0.136 | 26.808 | 0.055 | 26.824 | 0.040 | 26.832 | 0.027 | 26.842 | 0.019 |
| 24.759 | -0.115 | 24.768 | -0.074 | 24.775 | -0.054 | 24.784 | -0.047 | 26.849 | 0.026 | 26.856 | 0.019 | 26.864 | 0.033 | 26.873 | 0.033 |
| 24.789 | -0.013 | 24.798 | 0.000 | 24.809 | 0.013 | 24.820 | 0.033 | 26.884 | 0.033 | 26.891 | 0.026 | 26.905 | -0.002 | 26.913 | -0.009 |
| 24.828 | 0.026 | 24.836 | 0.032 | 24.844 | 0.025 | 24.854 | 0.032 | 26.920 | -0.023 | 26.928 | -0.037 | 26.938 | -0.023 | 26.946 | -0.010 |
| *24.861 | 0.054 | 24.867 | 0.074 | 24.874 | 0.087 | 24.882 | 0.108 | 26.955 | 0.004 | 26.966 | 0.011 | 26.974 | 0.018 | 26.981 | 0.018 |
| 24.891 | 0.114 | 24.898 | 0.121 | 24.912 | 0.101 | 24.919 | 0.066 | 26.990 | 0.018 | 26.999 | 0.018 | 27.008 | 0.018 | 27.019 | 0.011 |
| 24.931 | 0.031 | 24.945 | 0.011 | 24.953 | 0.004 | 24.964 | 0.004 | 27.026 | 0.004 | 27.038 | 0.003 | 27.048 | -0.010 | 27.055 | -0.004 |
| 24.973 | 0.003 | 24.944 | 0.003 | 24.944 | 0.003 | 25.005 | 0.003 | 27.064 | 0.003 | 27.076 | 0.010 | 27.083 | 0.017 | 27.091 | 0.017 |
| 25.013 | 0.003 | 25.023 | 0.010 | 25.035 | 0.024 | 25.044 | 0.037 | 27.099 | 0.017 | 27.105 | 0.003 | 27.114 | 0.003 | 27.121 | 0.003 |
| 25.052 | 0.044 | 25.059 | 0.051 | 25.068 | 0.051 | 25.078 | 0.037 | 27.132 | 0.003 | 27.143 | 0.016 | 27.160 | 0.036 | 27.170 | 0.043 |
| 25.086 | 0.023 | 25.096 | -0.004 | 25.103 | -0.018 | 25.119 | -0.046 | 27.181 | 0.036 | 27.191 | 0.015 | 27.204 | -0.013 | 27.213 | -0.027 |
| 25.127 | -0.046 | 25.135 | -0.046 | 25.141 | -0.060 | 25.148 | -0.061 | 27.227 | -0.041 | 27.241 | -0.055 | 27.251 | -0.062 | 27.264 | -0.070 |
| 25.160 | -0.054 | 25.171 | -0.054 | 25.182 | -0.034 | 25.190 | -0.077 | 27.275 | -0.049 | 27.286 | -0.029 | 27.298 | -0.015 | 27.307 | -0.002 |
| 25.198 | -0.013 | 25.204 | 0.008 | 25.211 | 0.007 | 25.219 | 0.037 | 27.319 | -0.002 | 27.333 | -0.016 | 27.345 | -0.058 | 27.355 | -0.086 |
| 25.229 | 0.067 | 25.237 | 0.000 | 25.244 | 0.000 | 25.251 | -0.037 | 27.369 | -0.107 | 27.387 | -0.114 | 27.399 | -0.066 | 27.408 | -0.046 |
| 25.255 | 0.067 | 25.262 | 0.007 | 25.272 | 0.000 | 25.283 | 0.037 | 27.422 | -0.018 | 27.432 | -0.025 | 27.453 | -0.047 | 27.477 | -0.047 |
| 25.290 | -0.064 | 25.299 | -0.015 | 25.307 | -0.029 | 25.318 | -0.049 | 27.486 | -0.048 | 27.494 | -0.048 | 27.501 | -0.048 | 27.511 | -0.048 |
| 25.328 | -0.056 | 25.335 | -0.057 | 25.345 | -0.050 | 25.357 | -0.044 | 27.524 | -0.035 | 27.534 | -0.028 | 27.543 | -0.028 | 27.552 | -0.028 |
| 25.367 | 0.012 | 25.383 | -0.029 | 25.393 | -0.016 | 25.403 | -0.032 | 27.563 | -0.063 | 27.571 | -0.063 | 27.579 | -0.077 | 27.587 | -0.070 |
| 25.417 | 0.012 | 25.422 | 0.018 | 25.427 | 0.025 | 25.441 | 0.032 | 27.599 | -0.036 | 27.605 | -0.036 | 27.612 | -0.043 | 27.619 | -0.050 |
| 25.455 | 0.032 | 25.464 | 0.049 | 25.471 | 0.049 | 25.479 | 0.039 | 27.639 | -0.022 | 27.646 | -0.009 | 27.656 | 0.012 | 27.668 | 0.040 |
| 25.498 | 0.046 | 25.507 | 0.060 | 25.513 | 0.073 | 25.523 | 0.060 | 27.675 | 0.040 | 27.683 | 0.033 | 27.690 | 0.033 | 27.696 | 0.032 |
| 25.531 | 0.046 | 25.540 | 0.046 | 25.549 | 0.032 | 25.564 | 0.018 | 27.704 | 0.039 | 27.714 | 0.049 | 27.733 | 0.039 | 27.743 | 0.025 |
| 25.569 | 0.018 | 25.575 | 0.004 | 25.582 | -0.003 | 25.588 | -0.003 | 27.755 | 0.011 | 27.770 | -0.009 | 27.785 | -0.023 | 27.795 | -0.030 |
| 25.593 | -0.009 | 25.609 | -0.009 | 25.639 | -0.009 | 25.615 | -0.003 | 27.807 | -0.051 | 27.821 | -0.044 | 27.831 | -0.030 | 27.840 | -0.030 |
| 25.620 | -0.009 | 25.633 | -0.030 | 25.646 | -0.044 | 25.654 | -0.051 | 27.854 | -0.023 | 27.862 | -0.016 | 27.875 | -0.009 | 27.888 | -0.003 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27.900 | 0.011 | 27.910 | 0.018 | 27.920 | 0.018 | 27.932 | 0.011 | 30.867 | 0.023 | 30.886 | 0.044 | 30.905 | 0.066 | 30.923 | 0.053 |
| 27.944 | 0.004 | 27.953 | 0.018 | 27.970 | 0.053 | 27.983 | 0.073 | 30.941 | 0.040 | 30.959 | 0.020 | 30.973 | 0.014 | 30.996 | -0.013 |
| 27.993 | 0.087 | 28.008 | 0.115 | 28.019 | 0.122 | 28.029 | 0.115 | 31.014 | -0.046 | 31.026 | -0.053 | 31.044 | -0.052 | 31.061 | -0.030 |
| 28.037 | 0.115 | 28.050 | 0.101 | 28.059 | 0.101 | 28.078 | 0.101 | 31.074 | -0.032 | 31.082 | -0.015 | 31.097 | 0.006 | 31.111 | -0.000 |
| 28.089 | 0.108 | 28.104 | 0.101 | 28.113 | 0.101 | 28.120 | 0.101 | 31.128 | -0.014 | 31.142 | 0.001 | 31.157 | -0.006 | 31.168 | -0.019 |
| 28.130 | 0.094 | 28.140 | 0.087 | 28.149 | 0.087 | 28.159 | 0.087 | 31.182 | -0.019 | 31.198 | -0.025 | 31.216 | -0.031 | 31.237 | -0.065 |
| 28.167 | 0.087 | 28.177 | 0.087 | 28.185 | 0.094 | 28.195 | 0.122 | 31.182 | -0.019 | 31.198 | -0.025 | 31.216 | -0.031 | 31.237 | -0.065 |
| 28.208 | 0.142 | 28.221 | 0.170 | 28.232 | 0.163 | 28.244 | 0.163 | 31.324 | -0.034 | 31.339 | -0.041 | 31.357 | -0.089 | 31.372 | -0.130 |
| 28.257 | 0.149 | 28.267 | 0.136 | 28.275 | 0.122 | 28.286 | 0.122 | 31.394 | -0.171 | 31.412 | -0.170 | 31.427 | -0.156 | 31.440 | -0.142 |
| 28.294 | 0.129 | 28.306 | 0.129 | 28.312 | 0.115 | 28.322 | 0.101 | 31.453 | -0.128 | 31.471 | -0.113 | 31.520 | -0.089 | | |
| 28.334 | 0.094 | 28.348 | 0.115 | 28.359 | 0.136 | 28.375 | 0.149 | 31.537 | -0.098 | 31.554 | -0.084 | 31.569 | -0.084 | 31.589 | -0.076 |
| 28.382 | 0.142 | 28.394 | 0.115 | 28.413 | 0.067 | 28.432 | 0.060 | 31.606 | -0.069 | 31.627 | -0.068 | 31.645 | -0.068 | 31.668 | -0.067 |
| 28.442 | 0.046 | 28.463 | 0.032 | 28.473 | 0.032 | 28.481 | 0.025 | 31.685 | -0.060 | 31.707 | -0.087 | 31.719 | -0.087 | 31.738 | -0.087 |
| 28.491 | 0.025 | 28.502 | 0.032 | 28.510 | 0.039 | 28.519 | 0.046 | 31.754 | -0.080 | 31.771 | -0.087 | 31.800 | -0.073 | 31.817 | -0.066 |
| 28.530 | 0.046 | 28.537 | 0.053 | 28.550 | 0.060 | 28.558 | 0.060 | 31.828 | -0.052 | 31.844 | -0.031 | 31.860 | -0.024 | 31.876 | -0.003 |
| 28.570 | 0.046 | 28.579 | 0.032 | 28.592 | 0.039 | 28.602 | 0.053 | 31.889 | 0.025 | 31.904 | 0.038 | 31.917 | 0.039 | 31.930 | 0.032 |
| 28.619 | 0.073 | 28.636 | 0.073 | 28.646 | 0.094 | 28.657 | 0.101 | 31.947 | 0.032 | 31.970 | 0.032 | 31.985 | 0.026 | 32.003 | 0.033 |
| 28.670 | 0.094 | 28.679 | 0.080 | 28.688 | 0.066 | 28.697 | 0.066 | 32.027 | 0.027 | 32.042 | 0.020 | 32.065 | 0.014 | 32.084 | 0.008 |
| 28.707 | 0.066 | 28.715 | 0.087 | 28.727 | 0.094 | 28.738 | 0.101 | 32.106 | -0.005 | 32.115 | -0.005 | 32.135 | 0.016 | 32.149 | 0.023 |
| 28.753 | 0.107 | 28.764 | 0.107 | 28.780 | 0.086 | 28.805 | 0.038 | 32.165 | 0.038 | 32.181 | 0.038 | 32.198 | 0.025 | 32.213 | 0.011 |
| 28.818 | 0.024 | 28.831 | 0.010 | 28.847 | -0.004 | 28.862 | -0.025 | 32.229 | 0.026 | 32.243 | 0.027 | 32.258 | 0.042 | 32.266 | 0.043 |
| 28.876 | -0.032 | 28.889 | -0.019 | 28.904 | -0.039 | 28.912 | -0.049 | 32.282 | 0.037 | 32.302 | 0.052 | 32.314 | 0.074 | 32.330 | 0.088 |
| 28.927 | -0.039 | 28.933 | -0.039 | 28.950 | -0.060 | 28.967 | -0.081 | 32.345 | 0.103 | 32.357 | 0.118 | 32.370 | 0.098 | 32.384 | 0.085 |
| 28.981 | -0.035 | 28.993 | -0.095 | 29.003 | -0.109 | 29.013 | -0.116 | 32.396 | 0.058 | 32.417 | 0.046 | 32.432 | 0.040 | 32.444 | 0.034 |
| 29.019 | -0.123 | 29.044 | -0.123 | 29.047 | -0.123 | 29.064 | -0.103 | 32.458 | 0.035 | 32.474 | 0.036 | 32.487 | 0.057 | 32.496 | 0.064 |
| 29.077 | -0.096 | 29.090 | -0.089 | 29.099 | -0.082 | 29.109 | -0.083 | 32.504 | 0.071 | 32.515 | 0.072 | 32.525 | 0.065 | 32.536 | 0.059 |
| 29.121 | -0.076 | 29.135 | -0.037 | 29.149 | -0.118 | 29.159 | -0.125 | 32.548 | 0.059 | 32.563 | 0.053 | 32.580 | 0.054 | 32.592 | 0.054 |
| 29.172 | -0.118 | 29.181 | -0.104 | 29.193 | -0.097 | 29.206 | -0.111 | 32.603 | 0.061 | 32.616 | 0.048 | 32.629 | 0.035 | 32.645 | 0.022 |
| 29.214 | -0.118 | 29.225 | -0.125 | 29.235 | -0.132 | 29.245 | -0.160 | 32.656 | 0.024 | 32.667 | 0.036 | 32.682 | 0.036 | 32.691 | 0.037 |
| 29.254 | -0.167 | 29.269 | -0.174 | 29.287 | -0.153 | 29.299 | -0.119 | 32.701 | 0.044 | 32.711 | 0.044 | 32.724 | 0.030 | 32.736 | 0.024 |
| 29.317 | -0.384 | 29.334 | -0.057 | 29.354 | -0.043 | 29.369 | -0.036 | 32.766 | 0.010 | 32.754 | -0.010 | 32.777 | -0.024 | 32.787 | -0.030 |
| 29.386 | -0.050 | 29.401 | -0.064 | 29.409 | -0.034 | 29.417 | -0.071 | 32.802 | -0.037 | 32.816 | -0.037 | 32.825 | -0.036 | 32.839 | -0.043 |
| 29.427 | -0.078 | 29.439 | -0.071 | 29.453 | -0.064 | 29.465 | -0.057 | 32.851 | -0.029 | 32.865 | -0.022 | 32.874 | -0.015 | 32.887 | -0.014 |
| 29.473 | -0.064 | 29.489 | -0.051 | 29.504 | -0.058 | 29.521 | -0.078 | 32.896 | -0.028 | 32.911 | -0.028 | 32.919 | -0.041 | 32.936 | -0.026 |
| 29.533 | -0.099 | 29.549 | -0.092 | 29.568 | -0.092 | 29.586 | -0.092 | 32.950 | -0.012 | 32.966 | -0.011 | 32.974 | -0.010 | 32.984 | -0.010 |
| 29.607 | -0.092 | 29.625 | -0.120 | 29.637 | -0.141 | 29.651 | -0.154 | 33.004 | -0.002 | 33.022 | -0.000 | 33.037 | 0.021 | 33.048 | 0.022 |
| 29.672 | -0.141 | 29.692 | -0.127 | 29.717 | -0.106 | 29.735 | -0.085 | 33.058 | -0.022 | 33.071 | 0.023 | 33.081 | 0.024 | 33.092 | 0.018 |
| 29.748 | -0.078 | 29.767 | -0.065 | 29.782 | -0.037 | 29.795 | -0.016 | 33.108 | -0.002 | 33.116 | -0.002 | 33.131 | -0.015 | 33.143 | -0.014 |
| 29.805 | -0.002 | 29.820 | -0.009 | 29.831 | -0.009 | 29.845 | -0.009 | 33.158 | -0.041 | 33.169 | -0.040 | 33.184 | -0.053 | 33.198 | -0.066 |
| 29.856 | 0.005 | 29.872 | 0.015 | 29.889 | 0.033 | 29.903 | 0.040 | 33.211 | -0.072 | 33.221 | -0.085 | 33.233 | -0.105 | 33.245 | -0.118 |
| 29.917 | 0.033 | 29.933 | 0.020 | 29.946 | 0.020 | 29.958 | 0.044 | 33.256 | -0.097 | 33.268 | -0.055 | 33.278 | -0.047 | 33.285 | -0.047 |
| 29.978 | 0.041 | 29.995 | 0.041 | 30.008 | 0.048 | 30.024 | 0.049 | 33.294 | -0.054 | 33.310 | -0.053 | 33.322 | -0.052 | 33.335 | -0.051 |
| 30.044 | 0.063 | 30.057 | 0.054 | 30.070 | 0.078 | 30.087 | 0.079 | 33.361 | -0.050 | 33.369 | -0.050 | 33.386 | -0.049 | 33.399 | -0.041 |
| 30.106 | 0.079 | 30.123 | 0.087 | 30.133 | 0.094 | 30.144 | 0.102 | 33.410 | -0.041 | 33.423 | -0.040 | 33.436 | -0.040 | 33.453 | -0.046 |
| 30.157 | 0.116 | 30.171 | 0.117 | 30.184 | 0.110 | 30.201 | 0.104 | 33.465 | -0.045 | 33.472 | -0.058 | 33.485 | -0.057 | 33.498 | -0.043 |
| 30.224 | 0.105 | 30.240 | 0.099 | 30.252 | 0.107 | 30.268 | 0.121 | 33.511 | -0.028 | 33.526 | -0.020 | 33.537 | -0.013 | 33.548 | -0.019 |
| 30.286 | 0.115 | 30.307 | 0.123 | 30.322 | 0.110 | 30.336 | 0.104 | 33.555 | -0.019 | 33.575 | -0.018 | 33.575 | -0.017 | 33.590 | -0.016 |
| 30.352 | 0.112 | 30.369 | 0.161 | 30.388 | 0.183 | 30.394 | 0.183 | 33.608 | -0.008 | 33.624 | 0.007 | 33.635 | 0.007 | 33.646 | 0.015 |
| 30.407 | 0.163 | 30.423 | 0.116 | 30.447 | 0.103 | 30.460 | 0.090 | 33.658 | 0.016 | 33.669 | 0.038 | 33.682 | 0.039 | 33.695 | 0.033 |
| 30.476 | 0.076 | 30.489 | 0.097 | 30.510 | 0.125 | 30.525 | 0.160 | 33.705 | 0.034 | 33.718 | 0.028 | 33.725 | 0.022 | 33.732 | 0.022 |
| 30.541 | 0.174 | 30.557 | 0.209 | 30.577 | 0.216 | 30.594 | 0.203 | 33.766 | 0.017 | 33.757 | 0.018 | 33.765 | 0.018 | 33.777 | 0.019 |
| 30.608 | 0.189 | 30.625 | 0.162 | 30.644 | 0.149 | 30.663 | 0.128 | 33.787 | 0.006 | 33.797 | 0.000 | 33.809 | 0.001 | 33.819 | 0.009 |
| 30.676 | 0.129 | 30.687 | 0.122 | 30.701 | 0.129 | 30.711 | 0.130 | 33.836 | 0.024 | 33.843 | 0.032 | 33.858 | 0.047 | 33.867 | 0.047 |
| 30.721 | 0.137 | 30.732 | 0.144 | 30.743 | 0.151 | 30.751 | 0.151 | 33.878 | 0.048 | 33.886 | 0.056 | 33.897 | 0.057 | 33.906 | 0.064 |
| 30.761 | 0.159 | 30.773 | 0.152 | 30.784 | 0.138 | 30.798 | 0.118 | 33.924 | 0.059 | 33.934 | 0.053 | 33.954 | 0.040 | 33.969 | 0.034 |
| 30.809 | 0.091 | 30.822 | 0.063 | 30.840 | 0.043 | 30.858 | 0.023 | 33.984 | 0.022 | 33.990 | -0.005 | 34.006 | -0.046 | 34.015 | -0.073 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 34.024 | -0.065 | 34.042 | -0.043 | 34.052 | -0.035 | 34.068 | -0.021 | 37.671 | -0.023 | 37.697 | -0.036 | 37.720 | -0.035 | 37.745 | -0.041 |
| 34.079 | 0.001 | 34.092 | 0.030 | 34.105 | 0.058 | 34.113 | 0.079 | 37.773 | -0.033 | 37.796 | -0.011 | 37.820 | -0.010 | 37.842 | -0.002 |
| 34.123 | 0.087 | 34.134 | 0.094 | 34.141 | 0.102 | 34.153 | 0.116 | 37.866 | -0.022 | 37.886 | -0.062 | 37.908 | -0.075 | 37.933 | -0.088 |
| 34.164 | 0.110 | 34.175 | 0.090 | 34.199 | 0.029 | 34.209 | 0.009 | 37.957 | -0.080 | 37.980 | -0.067 | 38.005 | -0.078 | 38.030 | -0.070 |
| 34.219 | 0.009 | 34.232 | 0.010 | 34.246 | 0.018 | 34.255 | 0.004 | 38.054 | -0.055 | 38.078 | -0.067 | 38.103 | -0.087 | 38.130 | -0.085 |
| 34.263 | 0.005 | 34.272 | 0.012 | 34.288 | 0.034 | 34.301 | 0.055 | 38.155 | -0.070 | 38.180 | -0.034 | 38.209 | -0.005 | 38.236 | 0.003 |
| 34.315 | 0.077 | 34.325 | 0.034 | 34.331 | 0.098 | 34.344 | 0.085 | 38.265 | 0.004 | 38.288 | 0.026 | 38.313 | 0.055 | 38.322 | 0.055 |
| 34.355 | 0.058 | 34.366 | 0.045 | 34.377 | 0.039 | 34.390 | 0.012 | 38.338 | 0.049 | 38.358 | 0.015 | 38.382 | 0.002 | 38.402 | 0.017 |
| 34.402 | -0.015 | 34.414 | -0.028 | 34.425 | -0.028 | 34.439 | -0.081 | 38.421 | 0.025 | 38.443 | 0.012 | 38.465 | 0.013 | 38.484 | 0.007 |
| 34.451 | -0.025 | 34.462 | 0.031 | 34.473 | 0.081 | 34.481 | 0.123 | 38.505 | -0.006 | 38.524 | 0.009 | 38.545 | 0.030 | 38.568 | 0.052 |
| 34.496 | 0.159 | 34.506 | 0.153 | 34.527 | 0.135 | 34.545 | 0.109 | 38.592 | 0.067 | 38.614 | 0.040 | 38.632 | 0.034 | 38.650 | 0.056 |
| 34.562 | 0.069 | 34.579 | 0.057 | 34.590 | 0.044 | 34.604 | 0.004 | 38.666 | 0.064 | 38.689 | 0.051 | 38.710 | 0.039 | 38.730 | 0.047 |
| 34.620 | -0.008 | 34.631 | 0.007 | 34.645 | 0.036 | 34.654 | 0.051 | 38.754 | 0.062 | 38.778 | 0.091 | 38.798 | 0.113 | 38.819 | 0.087 |
| 34.668 | 0.066 | 34.683 | 0.061 | 34.706 | 0.064 | 34.722 | 0.059 | 38.844 | 0.082 | 38.865 | 0.070 | 38.885 | 0.085 | 38.908 | 0.107 |
| 34.731 | 0.039 | 34.757 | -0.006 | 34.773 | -0.013 | 34.791 | -0.015 | 38.937 | 0.116 | 38.960 | 0.118 | 38.980 | 0.119 | 39.004 | 0.100 |
| 34.809 | 0.001 | 34.826 | 0.024 | 34.851 | 0.041 | 34.868 | 0.036 | 39.024 | 0.094 | 39.039 | 0.095 | 39.057 | 0.096 | 39.078 | 0.125 |
| 34.891 | 0.011 | 34.908 | 0.027 | 34.921 | 0.042 | 34.936 | 0.050 | 39.097 | 0.126 | 39.120 | 0.107 | 39.144 | 0.088 | 39.167 | 0.061 |
| 34.950 | 0.031 | 34.969 | 0.019 | 34.978 | 0.020 | 34.993 | -0.034 | 39.186 | 0.042 | 39.201 | 0.043 | 39.221 | 0.051 | 39.247 | 0.052 |
| 35.006 | -0.061 | 35.020 | -0.053 | 35.030 | -0.017 | 35.041 | -0.032 | 39.269 | 0.060 | 39.296 | 0.068 | 39.317 | 0.062 | 39.340 | 0.063 |
| 35.060 | 0.013 | 35.074 | 0.001 | 35.090 | -0.026 | 35.110 | -0.010 | 39.361 | 0.050 | 39.387 | 0.037 | 39.409 | 0.045 | 39.431 | 0.053 |
| 35.124 | 0.026 | 35.140 | 0.062 | 35.153 | 0.070 | 35.166 | 0.071 | 39.451 | 0.060 | 39.469 | 0.068 | 39.488 | 0.055 | 39.505 | 0.042 |
| 35.184 | 0.010 | 35.205 | -0.016 | 35.224 | -0.014 | 35.246 | 0.001 | 39.528 | 0.035 | 39.547 | 0.029 | 39.568 | -0.005 | 39.588 | -0.031 |
| 35.259 | 0.009 | 35.276 | -0.017 | 35.300 | -0.043 | 35.318 | -0.076 | 39.603 | -0.038 | 39.620 | -0.030 | 39.639 | -0.016 | 39.662 | 0.006 |
| 35.333 | -0.069 | 35.347 | -0.054 | 35.355 | -0.026 | 35.370 | -0.011 | 39.684 | 0.006 | 39.708 | 0.000 | 39.730 | -0.006 | 39.752 | -0.005 |
| 35.381 | -0.024 | 35.394 | -0.071 | 35.420 | -0.124 | 35.433 | -0.123 | 39.775 | 0.010 | 39.796 | 0.010 | 39.818 | -0.003 | 39.841 | -0.022 |
| 35.445 | -0.095 | 35.461 | -0.052 | 35.478 | -0.024 | 35.497 | -0.023 | 39.864 | -0.021 | 39.890 | -0.013 | 39.911 | -0.026 | 39.931 | -0.046 |
| 35.518 | -0.042 | 35.537 | -0.061 | 35.557 | -0.060 | 35.579 | -0.059 | 39.955 | -0.058 | 39.974 | -0.057 | 39.992 | -0.036 | 40.016 | -0.007 |
| 35.608 | -0.057 | 35.631 | -0.063 | 35.656 | -0.075 | 35.679 | -0.073 | 40.039 | 0.015 | 40.061 | -0.005 | 40.083 | -0.041 | 40.102 | -0.044 |
| 35.696 | -0.366 | 35.705 | -0.058 | 35.723 | -0.106 | 35.738 | -0.132 | 40.123 | -0.029 | 40.145 | -0.035 | 40.168 | -0.047 | 40.187 | -0.033 |
| 35.759 | -0.090 | 35.778 | -0.047 | 35.795 | -0.033 | 35.809 | -0.032 | 40.212 | -0.011 | 40.233 | 0.011 | 40.248 | 0.012 | 40.267 | 0.006 |
| 35.830 | -0.051 | 35.851 | -0.044 | 35.871 | -0.008 | 35.887 | 0.014 | 40.291 | -0.007 | 40.314 | -0.027 | 40.338 | -0.019 | 40.359 | -0.004 |
| 35.906 | 0.029 | 35.923 | 0.009 | 35.939 | -0.010 | 35.959 | -0.051 | 40.377 | 0.017 | 40.399 | 0.032 | 40.422 | 0.039 | 40.439 | 0.040 |
| 35.980 | -0.056 | 36.000 | -0.055 | 36.020 | -0.053 | 36.039 | -0.059 | 40.460 | 0.041 | 40.486 | 0.056 | 40.512 | 0.057 | 40.536 | 0.064 |
| 36.055 | -0.072 | 36.070 | -0.057 | 36.087 | -0.056 | 36.103 | -0.062 | 40.552 | 0.072 | 40.571 | 0.059 | 40.591 | 0.053 | 40.615 | 0.047 |
| 36.117 | -0.361 | 36.132 | -0.067 | 36.144 | -0.080 | 36.162 | -0.051 | 40.641 | 0.041 | 40.664 | 0.049 | 40.686 | 0.050 | 40.714 | 0.058 |
| 36.176 | -0.038 | 36.192 | 0.020 | 36.213 | 0.022 | 36.230 | 0.023 | 40.734 | 0.059 | 40.757 | 0.053 | 40.778 | 0.068 | 40.802 | 0.089 |
| 36.245 | 0.066 | 36.266 | 0.095 | 36.276 | 0.082 | 36.286 | 0.069 | 40.824 | 0.090 | 40.847 | 0.084 | 40.875 | 0.085 | 40.897 | 0.093 |
| 36.298 | 0.377 | 36.314 | 0.098 | 36.324 | 0.106 | 36.339 | 0.114 | 40.914 | 0.080 | 40.933 | 0.067 | 40.955 | 0.054 | 40.971 | 0.061 |
| 36.357 | 0.122 | 36.370 | 0.103 | 36.383 | 0.062 | 36.405 | 0.050 | 40.986 | 0.069 | 41.005 | 0.055 | 41.027 | 0.055 | 41.049 | 0.048 |
| 36.423 | 0.344 | 36.431 | 0.051 | 36.453 | 0.094 | 36.472 | 0.116 | 41.063 | 0.063 | 41.078 | 0.056 | 41.094 | 0.049 | 41.109 | 0.063 |
| 36.482 | 0.117 | 36.501 | 0.118 | 36.519 | 0.092 | 36.540 | 0.093 | 41.120 | 0.063 | | | | | | |
| 36.573 | 0.095 | 36.590 | 0.090 | 36.615 | 0.098 | 36.633 | 0.119 | | | | | | | | |
| 36.648 | 0.380 | 36.667 | 0.120 | 36.679 | 0.073 | 36.690 | 0.073 | | | | | | | | |
| 36.704 | 0.380 | 36.721 | 0.122 | 36.734 | 0.109 | 36.762 | 0.055 | | | | | | | | |
| 36.776 | 0.342 | 36.801 | 0.036 | 36.817 | 0.043 | 36.826 | 0.057 | | | | | | | | |
| 36.840 | 0.372 | 36.858 | 0.086 | 36.882 | 0.101 | 36.899 | 0.129 | | | | | | | | |
| 36.918 | 0.108 | 36.929 | 0.088 | 36.940 | 0.088 | 36.952 | 0.109 | | | | | | | | |
| 36.968 | 0.130 | 36.974 | 0.131 | 36.993 | 0.131 | 37.011 | 0.118 | | | | | | | | |
| 37.028 | 0.111 | 37.050 | 0.098 | 37.069 | 0.035 | 37.085 | 0.067 | | | | | | | | |
| 37.106 | 0.066 | 37.127 | 0.046 | 37.143 | 0.053 | 37.157 | 0.086 | | | | | | | | |
| 37.171 | 0.068 | 37.194 | 0.055 | 37.214 | 0.035 | 37.231 | 0.015 | | | | | | | | |
| 37.251 | 0.002 | 37.269 | 0.016 | 37.285 | 0.023 | 37.298 | 0.024 | | | | | | | | |
| 37.316 | 0.336 | 37.336 | -0.009 | 37.359 | -0.032 | 37.381 | 0.013 | | | | | | | | |
| 37.405 | -0.014 | 37.424 | 0.007 | 37.445 | -0.013 | 37.464 | -0.012 | | | | | | | | |
| 37.486 | -0.018 | 37.509 | -0.017 | 37.535 | -0.016 | 37.553 | -0.015 | | | | | | | | |
| 37.575 | -0.028 | 37.601 | -0.020 | 37.627 | -0.018 | 37.650 | -0.011 | | | | | | | | |

1Q237

71.166 2/9/71 0600PST HOLLYWOOD 1760 N. ORCHID AV. 12TH FL UP

2540 POINTS 41.140 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 0.2225 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|-------|
| 0.0 | 0.094 | 0.017 | 0.216 | 0.037 | 0.107 | 0.051 | 0.140 | 0.051 | 0.140 | 2.517 | 0.057 | 2.537 | 0.245 | 2.550 | 0.278 | 2.573 | 0.173 | | |
| 0.059 | 0.121 | 0.074 | 0.022 | 0.094 | -0.117 | 0.108 | -0.098 | 0.108 | -0.098 | 2.578 | 0.088 | 2.588 | 0.045 | 2.601 | -0.130 | 2.618 | -0.216 | | |
| 0.122 | -0.175 | 0.135 | -0.166 | 0.146 | -0.062 | 0.171 | 0.003 | 0.171 | 0.003 | 2.637 | -0.225 | 2.647 | -0.230 | 2.664 | -0.164 | 2.683 | -0.004 | | |
| 0.163 | 0.102 | 0.198 | 0.220 | 0.212 | 0.186 | 0.225 | 0.190 | 0.225 | 0.190 | 2.695 | -0.067 | 2.705 | 0.200 | 2.724 | 0.389 | 2.748 | 0.265 | | |
| 0.241 | 0.081 | 0.265 | -0.072 | 0.286 | -0.214 | 0.236 | -0.214 | 0.236 | -0.214 | 2.770 | 0.157 | 2.789 | 0.124 | 2.798 | -0.141 | 2.817 | -0.236 | | |
| 0.309 | -0.413 | 0.315 | -0.418 | 0.335 | -0.300 | 0.352 | -0.050 | 0.352 | -0.050 | 2.833 | -0.330 | 2.860 | -0.094 | 2.881 | -0.041 | 2.893 | 0.049 | | |
| 0.365 | -0.130 | 0.376 | 0.277 | 0.396 | 0.442 | 0.419 | 0.413 | 0.419 | 0.413 | 2.905 | 0.352 | 2.925 | 0.366 | 2.950 | 0.376 | 2.961 | 0.120 | | |
| 0.432 | 0.255 | 0.462 | 0.053 | 0.479 | -0.161 | 0.486 | -0.293 | 0.486 | -0.293 | 2.986 | 0.021 | 2.999 | -0.116 | 3.015 | -0.215 | 3.020 | -0.229 | | |
| 0.514 | -0.317 | 0.516 | -0.332 | 0.538 | -0.233 | 0.546 | -0.086 | 0.546 | -0.086 | 3.041 | -0.144 | 3.065 | -0.191 | 3.066 | -0.191 | 3.080 | 0.065 | | |
| 0.564 | -0.058 | 0.577 | 0.055 | 0.598 | 0.126 | 0.620 | 0.229 | 0.620 | 0.229 | 3.095 | 0.127 | 3.112 | 0.137 | 3.123 | 0.194 | 3.138 | 0.147 | | |
| 0.637 | 0.229 | 0.640 | 0.243 | 0.661 | 0.129 | 0.685 | -0.155 | 0.685 | -0.155 | 3.145 | 0.137 | 3.161 | 0.170 | 3.161 | 0.208 | 3.187 | 0.109 | | |
| 0.697 | -0.383 | 0.722 | -0.469 | 0.742 | -0.205 | 0.766 | -0.007 | 0.766 | -0.007 | 3.211 | 0.090 | 3.234 | 0.071 | 3.254 | -0.132 | 3.265 | -0.052 | | |
| 0.779 | 0.234 | 0.801 | 0.309 | 0.838 | 0.205 | 0.829 | 0.114 | 0.829 | 0.114 | 3.286 | -0.090 | 3.316 | -0.213 | 3.318 | -0.312 | 3.336 | -0.417 | | |
| 0.845 | 0.128 | 0.861 | 0.014 | 0.881 | 0.019 | 0.899 | -0.091 | 0.899 | -0.091 | 3.354 | -0.407 | 3.357 | -0.317 | 3.370 | -0.118 | 3.395 | 0.005 | | |
| 0.910 | -0.162 | 0.927 | -0.191 | 0.942 | -0.267 | 0.944 | -0.305 | 0.944 | -0.305 | 3.409 | -0.076 | 3.429 | 0.091 | 3.437 | 0.025 | 3.458 | -0.051 | | |
| 0.952 | -0.281 | 0.969 | -0.055 | 0.985 | 0.168 | 1.003 | 0.314 | 1.003 | 0.314 | 3.469 | -0.174 | 3.488 | -0.221 | 3.491 | -0.145 | 3.514 | -0.078 | | |
| 1.011 | 0.366 | 1.021 | 0.328 | 1.032 | 0.176 | 1.051 | -0.099 | 1.051 | -0.099 | 3.538 | 0.083 | 3.558 | 0.088 | 3.578 | 0.103 | 3.589 | 0.066 | | |
| 1.061 | -0.185 | 1.076 | -0.247 | 1.089 | -0.290 | 1.102 | -0.200 | 1.102 | -0.200 | 3.598 | -0.024 | 3.622 | -0.014 | 3.643 | -0.122 | 3.662 | -0.102 | | |
| 1.119 | 0.054 | 1.137 | 0.041 | 1.158 | 0.177 | 1.175 | 0.257 | 1.175 | 0.257 | 3.681 | -0.300 | 3.704 | -0.295 | 3.722 | -0.290 | 3.740 | -0.171 | | |
| 1.176 | 0.257 | 1.188 | 0.153 | 1.200 | 0.119 | 1.220 | 0.180 | 1.220 | 0.180 | 3.755 | -0.029 | 3.766 | 0.108 | 3.785 | 0.246 | 3.794 | 0.336 | | |
| 1.236 | 0.085 | 1.252 | 0.066 | 1.267 | -0.223 | 1.285 | -0.389 | 1.285 | -0.389 | 3.817 | 0.331 | 3.829 | 0.142 | 3.843 | 0.024 | 3.849 | -0.028 | | |
| 1.299 | -0.371 | 1.317 | -0.466 | 1.341 | -0.310 | 1.349 | -0.116 | 1.349 | -0.116 | 3.872 | -0.373 | 3.890 | -0.425 | 3.901 | -0.098 | 3.923 | -0.486 | | |
| 1.367 | 0.016 | 1.381 | 0.082 | 1.390 | 0.148 | 1.403 | 0.166 | 1.403 | 0.166 | 3.923 | -0.467 | 3.951 | -0.202 | 3.955 | -0.098 | 3.981 | 0.172 | | |
| 1.414 | 0.055 | 1.425 | 0.024 | 1.435 | 0.071 | 1.452 | 0.170 | 1.452 | 0.170 | 4.004 | 0.456 | 4.013 | 0.480 | 4.027 | 0.504 | 4.044 | 0.390 | | |
| 1.471 | 0.221 | 1.489 | 0.245 | 1.507 | 0.131 | 1.526 | 0.012 | 1.526 | 0.012 | 4.066 | -0.140 | 4.079 | -0.296 | 4.095 | -0.371 | 4.116 | -0.480 | | |
| 1.539 | -0.101 | 1.550 | -0.196 | 1.573 | -0.201 | 1.595 | -0.172 | 1.595 | -0.172 | 4.120 | -0.409 | 4.137 | -0.229 | 4.147 | -0.021 | 4.165 | 0.211 | | |
| 1.610 | -0.063 | 1.637 | 0.055 | 1.644 | 0.003 | 1.654 | -0.072 | 1.654 | -0.072 | 4.178 | 0.363 | 4.189 | 0.396 | 4.209 | 0.396 | 4.222 | 0.349 | | |
| 1.680 | 0.032 | 1.699 | 0.051 | 1.707 | 0.127 | 1.718 | 0.175 | 1.718 | 0.175 | 4.231 | 0.169 | 4.254 | -0.010 | 4.269 | -0.152 | 4.287 | -0.233 | | |
| 1.728 | 0.040 | 1.751 | 0.189 | 1.761 | 0.190 | 1.774 | 0.038 | 1.774 | 0.038 | 4.295 | -0.256 | 4.306 | -0.180 | 4.315 | -0.109 | 4.328 | -0.204 | | |
| 1.792 | -0.047 | 1.795 | -0.098 | 1.803 | -0.164 | 1.824 | -0.240 | 1.824 | -0.240 | 4.349 | -0.298 | 4.363 | -0.109 | 4.394 | -0.057 | 4.395 | -0.057 | | |
| 1.852 | -0.178 | 1.870 | -0.220 | 1.876 | -0.196 | 1.891 | -0.097 | 1.891 | -0.097 | 4.406 | -0.014 | 4.417 | -0.151 | 4.432 | -0.184 | 4.444 | -0.151 | | |
| 1.901 | -0.040 | 1.916 | -0.040 | 1.935 | 0.049 | 1.956 | 0.059 | 1.956 | 0.059 | 4.459 | -0.250 | 4.478 | -0.359 | 4.493 | -0.259 | 4.500 | -0.216 | | |
| 1.978 | 0.125 | 2.004 | 0.049 | 2.017 | -0.036 | 2.039 | -0.155 | 2.039 | -0.155 | 4.511 | -0.122 | 4.533 | 0.144 | 4.545 | 0.144 | 4.563 | 0.329 | | |
| 2.057 | -0.099 | 2.067 | -0.033 | 2.089 | 0.023 | 2.103 | 0.041 | 2.103 | 0.041 | 4.571 | 0.376 | 4.579 | 0.305 | 4.592 | 0.126 | 4.605 | 0.003 | | |
| 2.118 | 0.069 | 2.120 | 0.045 | 2.141 | -0.031 | 2.170 | 0.038 | 2.170 | 0.038 | 4.619 | 0.017 | 4.627 | 0.060 | 4.635 | -0.030 | 4.643 | -0.058 | | |
| 2.188 | 0.023 | 2.211 | 0.022 | 2.224 | -0.068 | 2.237 | -0.130 | 2.237 | -0.130 | 4.655 | 0.037 | 4.675 | 0.076 | 4.687 | 0.024 | 4.689 | -0.014 | | |
| 2.252 | -0.069 | 2.263 | -0.160 | 2.289 | -0.090 | 2.311 | -0.167 | 2.311 | -0.167 | 4.716 | 0.029 | 4.725 | 0.053 | 4.734 | -0.103 | 4.746 | -0.235 | | |
| 2.327 | -0.162 | 2.348 | -0.036 | 2.369 | -0.080 | 2.390 | -0.086 | 2.390 | -0.086 | 4.752 | -0.121 | 4.776 | -0.007 | 4.788 | -0.096 | 4.799 | -0.181 | | |
| 2.392 | -0.081 | 2.413 | -0.078 | 2.429 | -0.064 | 2.441 | -0.126 | 2.441 | -0.126 | 4.808 | 0.084 | 4.818 | 0.265 | 4.825 | 0.288 | 4.828 | 0.274 | | |
| 2.463 | -0.122 | 2.482 | -0.089 | 2.496 | 0.043 | 2.496 | 0.043 | 2.496 | 0.043 | 4.839 | 0.279 | 4.847 | 0.460 | 4.853 | 0.663 | 4.865 | 0.739 | | |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4.876 | 0.678 | 4.885 | 0.339 | 4.900 | 0.162 | 4.911 | -0.051 | 8.154 | -0.541 | 8.162 | -0.437 | 8.171 | -0.381 | 8.190 | 0.244 |
| 4.923 | -0.353 | 4.937 | -0.736 | 4.955 | -0.746 | 4.961 | -0.717 | 8.209 | 0.309 | 8.213 | 0.413 | 8.223 | 0.366 | 8.226 | 0.446 |
| 4.975 | 0.769 | 4.987 | 0.534 | 5.003 | -0.224 | 5.012 | 0.046 | 8.236 | 0.450 | 8.247 | 0.426 | 8.249 | 0.493 | 8.260 | 0.568 |
| 5.028 | 0.240 | 5.036 | 0.349 | 5.051 | 0.411 | 5.070 | 0.620 | 8.264 | 0.663 | 8.270 | 0.686 | 8.282 | 0.620 | 8.300 | 0.198 |
| 5.090 | 0.399 | 5.091 | 0.497 | 5.108 | 0.223 | 5.120 | 0.261 | 8.321 | 0.136 | 8.325 | -0.201 | 8.374 | -0.414 | 8.390 | 0.528 |
| 5.132 | -0.399 | 5.146 | -0.317 | 5.163 | -0.278 | 5.174 | -0.349 | 8.391 | -0.528 | 8.403 | 0.188 | 8.430 | 0.346 | 8.449 | 0.810 |
| 5.184 | -0.558 | 5.194 | -0.562 | 5.213 | -0.297 | 5.233 | -0.353 | 8.474 | 0.947 | 8.486 | 0.871 | 8.503 | 0.634 | 8.526 | 0.108 |
| 5.237 | -0.401 | 5.247 | -0.259 | 5.266 | 0.026 | 5.283 | -0.244 | 8.547 | -0.626 | 8.561 | -0.783 | 8.578 | -0.925 | 8.601 | -0.849 |
| 5.298 | -0.410 | 5.318 | -0.353 | 5.346 | -0.390 | 5.349 | -0.319 | 8.622 | -0.528 | 8.625 | -0.767 | 8.658 | 0.319 | 8.669 | 0.603 |
| 5.364 | -0.262 | 5.375 | -0.011 | 5.393 | 0.406 | 5.406 | 0.685 | 8.685 | 0.674 | 8.702 | 0.531 | 8.717 | 0.266 | 8.739 | 0.029 |
| 5.414 | 0.818 | 5.428 | 0.785 | 5.442 | 0.515 | 5.453 | 0.487 | 8.752 | -0.113 | 8.769 | -0.217 | 8.793 | -0.393 | 8.809 | -0.355 |
| 5.469 | 0.198 | 5.483 | 0.198 | 5.505 | -0.190 | 5.526 | -0.298 | 8.817 | -0.341 | 8.832 | -0.223 | 8.840 | -0.213 | 8.854 | -0.010 |
| 5.533 | -0.795 | 5.549 | -1.022 | 5.566 | -0.942 | 5.583 | -1.003 | 8.877 | 0.018 | 8.893 | 0.137 | 8.908 | 0.350 | 8.911 | 0.335 |
| 5.595 | -1.041 | 5.606 | -0.676 | 5.628 | -0.075 | 5.635 | 0.124 | 8.929 | 0.250 | 8.950 | 0.231 | 8.975 | -0.167 | 8.981 | -0.474 |
| 5.639 | 0.120 | 5.665 | 0.716 | 5.675 | 1.176 | 5.692 | 1.318 | 9.007 | -0.990 | 9.020 | -0.934 | 9.039 | -0.697 | 9.063 | -0.507 |
| 5.701 | 1.252 | 5.704 | 1.214 | 5.710 | 1.105 | 5.724 | 1.039 | 9.075 | -0.332 | 9.091 | -0.356 | 9.098 | -0.313 | 9.109 | 0.081 |
| 5.741 | 0.561 | 5.763 | 0.159 | 5.785 | -0.925 | 5.804 | -1.113 | 9.124 | 0.179 | 9.133 | 0.113 | 9.155 | 0.103 | 9.161 | 0.188 |
| 5.818 | -1.313 | 5.836 | -1.407 | 5.852 | -0.920 | 5.879 | -0.016 | 9.185 | 0.297 | 9.205 | 0.136 | 9.226 | -0.148 | 9.249 | -0.399 |
| 5.914 | 0.750 | 5.936 | 0.983 | 5.946 | 0.979 | 5.954 | 1.031 | 9.234 | -0.380 | 9.271 | -0.134 | 9.297 | 0.113 | 9.306 | 0.316 |
| 5.970 | 0.370 | 5.986 | 0.747 | 5.993 | 0.572 | 6.006 | 0.506 | 9.325 | 0.742 | 9.342 | 0.761 | 9.354 | 0.496 | 9.376 | 0.122 |
| 6.019 | 0.198 | 6.043 | -0.195 | 6.058 | -0.464 | 6.063 | -0.592 | 9.400 | -0.219 | 9.405 | -0.280 | 9.432 | -0.223 | 9.443 | -0.044 |
| 6.077 | -0.748 | 6.092 | -0.844 | 6.108 | -0.341 | 6.125 | -0.237 | 9.453 | 0.023 | 9.468 | 0.037 | 9.489 | 0.515 | 9.497 | 0.061 |
| 6.127 | -0.218 | 6.144 | -0.137 | 6.150 | -0.123 | 6.170 | 0.336 | 9.521 | 0.023 | 9.536 | 0.169 | 9.561 | 0.515 | 9.566 | 0.666 |
| 6.178 | 0.379 | 6.188 | 0.379 | 6.201 | 0.465 | 6.220 | 0.408 | 9.594 | 0.752 | 9.604 | 0.619 | 9.617 | 0.245 | 9.635 | -0.479 |
| 6.233 | 0.337 | 6.250 | 0.230 | 6.268 | -0.003 | 6.274 | -0.192 | 9.661 | -1.123 | 9.683 | -1.260 | 9.668 | -1.322 | 9.673 | -1.312 |
| 6.299 | -0.268 | 6.310 | -0.400 | 6.331 | -0.476 | 6.334 | -0.509 | 9.679 | -1.251 | 9.680 | -1.222 | 9.684 | -1.134 | 9.687 | -1.156 |
| 6.355 | -0.509 | 6.367 | -0.447 | 6.381 | -0.229 | 6.393 | -0.064 | 9.715 | -0.716 | 9.747 | -0.190 | 9.758 | 0.283 | 9.780 | 0.685 |
| 6.406 | 0.306 | 6.429 | -0.021 | 6.440 | -0.120 | 6.451 | -0.305 | 9.809 | 0.842 | 9.817 | 0.785 | 9.860 | 0.269 | 9.883 | -0.299 |
| 6.452 | -0.305 | 6.464 | -0.470 | 6.483 | -0.371 | 6.493 | -0.257 | 9.900 | -0.474 | 9.902 | -0.493 | 9.913 | -0.550 | 9.927 | -0.507 |
| 6.510 | 0.037 | 6.521 | 0.387 | 6.540 | 0.548 | 6.554 | 0.505 | 9.948 | -0.171 | 9.975 | 0.515 | 10.001 | 0.974 | 10.017 | 0.969 |
| 6.559 | 0.420 | 6.583 | 0.354 | 6.601 | 0.359 | 6.611 | 0.193 | 10.018 | 0.969 | 10.046 | 0.614 | 10.080 | 0.041 | 10.114 | -0.612 |
| 6.625 | 0.027 | 6.648 | -0.010 | 6.657 | 0.008 | 6.664 | -0.077 | 10.116 | -0.731 | 10.122 | -0.811 | 10.131 | -0.901 | 10.138 | -0.863 |
| 6.670 | -0.219 | 6.680 | -0.313 | 6.702 | -0.276 | 6.715 | -0.356 | 10.141 | -0.825 | 10.143 | -0.641 | 10.172 | -0.210 | 10.173 | -0.210 |
| 6.729 | -0.195 | 6.743 | 0.198 | 6.757 | 0.491 | 6.776 | 0.690 | 10.209 | 0.736 | 10.240 | 0.461 | 10.271 | 0.077 | 10.294 | -0.425 |
| 6.794 | 0.775 | 6.804 | 0.695 | 6.830 | 0.354 | 6.839 | -0.048 | 10.308 | -0.473 | 10.331 | -0.540 | 10.349 | -0.597 | 10.361 | -0.432 |
| 6.873 | -0.697 | 6.887 | -0.796 | 6.902 | -0.635 | 6.920 | -0.441 | 10.336 | -0.044 | 10.403 | 0.514 | 10.435 | 0.641 | 10.461 | 0.617 |
| 6.929 | -0.342 | 6.944 | -0.143 | 6.964 | -0.020 | 6.977 | 0.113 | 10.480 | 0.195 | 10.497 | -0.345 | 10.517 | -0.706 | 10.531 | -0.786 |
| 6.996 | 0.150 | 7.001 | 0.160 | 7.017 | 0.174 | 7.034 | 0.051 | 10.536 | -0.707 | 10.570 | -0.674 | 10.572 | -0.707 | 10.592 | -0.608 |
| 7.045 | 0.132 | 7.062 | 0.245 | 7.078 | 0.027 | 7.096 | -0.010 | 10.627 | -0.202 | 10.654 | 0.128 | 10.674 | 0.398 | 10.695 | 0.312 |
| 7.106 | -0.063 | 7.125 | -0.048 | 7.148 | 0.141 | 7.170 | 0.411 | 10.706 | 0.236 | 10.734 | -0.039 | 10.762 | -0.253 | 10.773 | -0.296 |
| 7.179 | 0.321 | 7.183 | 0.302 | 7.207 | 0.435 | 7.220 | 0.207 | 10.795 | -0.362 | 10.805 | -0.258 | 10.840 | 0.067 | 10.862 | 0.526 |
| 7.246 | 0.212 | 7.252 | -0.076 | 7.275 | -0.166 | 7.288 | -0.067 | 10.870 | 0.606 | 10.883 | 0.677 | 10.890 | 0.573 | 10.911 | 0.345 |
| 7.290 | -0.005 | 7.309 | -0.019 | 7.323 | -0.019 | 7.326 | -0.029 | 10.926 | 0.122 | 10.951 | 0.093 | 10.968 | 0.050 | 10.999 | 0.049 |
| 7.353 | 0.076 | 7.362 | 0.274 | 7.372 | 0.653 | 7.382 | 0.772 | 11.010 | -0.008 | 11.031 | -0.027 | 11.054 | -0.061 | 11.069 | 0.048 |
| 7.395 | 0.952 | 7.413 | 1.023 | 7.442 | 0.729 | 7.474 | 0.204 | 11.051 | 0.204 | 11.120 | 0.454 | 11.131 | 0.530 | 11.145 | 0.511 |
| 7.493 | -0.591 | 7.502 | -0.908 | 7.511 | -0.927 | 7.517 | -0.861 | 11.155 | 0.288 | 11.180 | -0.110 | 11.193 | -0.290 | 11.203 | -0.389 |
| 7.528 | -0.747 | 7.541 | -0.545 | 7.568 | -0.241 | 7.581 | -0.179 | 11.222 | -0.333 | 11.246 | -0.054 | 11.271 | 0.272 | 11.295 | -0.442 |
| 7.598 | 0.091 | 7.615 | 0.049 | 7.622 | -0.018 | 7.648 | -0.221 | 11.316 | 0.494 | 11.327 | 0.347 | 11.336 | 0.062 | 11.352 | -0.355 |
| 7.665 | -0.241 | 7.674 | -0.312 | 7.696 | -0.213 | 7.720 | -0.274 | 11.379 | -0.630 | 11.390 | -0.715 | 11.401 | -0.706 | 11.415 | -0.541 |
| 7.733 | -0.227 | 7.745 | -0.185 | 7.781 | -0.199 | 7.772 | -0.247 | 11.439 | -0.201 | 11.446 | 0.021 | 11.474 | 0.409 | 11.488 | 0.641 |
| 7.789 | -0.218 | 7.805 | -0.162 | 7.821 | -0.238 | 7.833 | -0.191 | 11.508 | 0.627 | 11.517 | 0.518 | 11.532 | 0.229 | 11.566 | -0.112 |
| 7.855 | -0.343 | 7.872 | -0.177 | 7.900 | -0.226 | 7.935 | -0.178 | 11.594 | -0.415 | 11.599 | -0.501 | 11.624 | -0.572 | 11.644 | -0.383 |
| 7.935 | -0.132 | 7.950 | -0.199 | 7.959 | -0.256 | 7.980 | -0.450 | 11.671 | -0.023 | 11.695 | 0.294 | 11.704 | 0.479 | 11.710 | 0.526 |
| 7.992 | -0.364 | 8.021 | -0.354 | 8.031 | 0.135 | 8.043 | 0.348 | 11.738 | 0.422 | 11.756 | 0.152 | 11.778 | -0.071 | 11.792 | -0.156 |
| 8.044 | 0.570 | 8.055 | 0.655 | 8.071 | 0.759 | 8.084 | 0.649 | 11.815 | -0.260 | 11.840 | -0.303 | 11.844 | -0.270 | 11.845 | -0.247 |
| 8.101 | 0.438 | 8.123 | 0.233 | 8.137 | -0.257 | 8.151 | -0.413 | 11.848 | -0.242 | 11.852 | -0.247 | 11.858 | -0.247 | 11.868 | -0.214 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 11.879 | -0.219 | 11.889 | -0.067 | 11.910 | 0.075 | 11.947 | 0.254 | 14.792 | 0.131 | 14.805 | 0.173 | 14.825 | 0.258 | 14.833 | 0.276 |
| 11.962 | 0.136 | 11.987 | 0.003 | 12.037 | -0.196 | 12.022 | -0.315 | 14.844 | 0.262 | 14.863 | 0.275 | 14.883 | 0.218 | 14.903 | 0.113 |
| 12.047 | -0.239 | 12.061 | -0.258 | 12.082 | -0.263 | 12.108 | -0.197 | 14.918 | 0.047 | 14.939 | -0.063 | 14.950 | -0.096 | 14.965 | -0.120 |
| 12.117 | -0.230 | 12.137 | -0.239 | 12.161 | -0.131 | 12.188 | -0.050 | 14.979 | -0.097 | 14.995 | -0.025 | 15.013 | 0.079 | 15.025 | 0.146 |
| 12.203 | -0.167 | 12.227 | -0.335 | 12.249 | -0.401 | 12.263 | -0.372 | 15.036 | 0.222 | 15.043 | 0.265 | 15.055 | 0.308 | 15.065 | 0.284 |
| 12.286 | -0.163 | 12.299 | -0.011 | 12.324 | 0.269 | 12.354 | 0.359 | 15.077 | 0.209 | 15.096 | 0.133 | 15.109 | 0.048 | 15.119 | -0.027 |
| 12.361 | 0.298 | 12.389 | -0.013 | 12.403 | -0.198 | 12.428 | -0.277 | 15.127 | -0.089 | 15.142 | -0.155 | 15.160 | -0.245 | 15.172 | -0.273 |
| 12.450 | -0.280 | 12.457 | -0.219 | 12.465 | -0.161 | 12.474 | -0.071 | 15.192 | -0.245 | 15.206 | -0.160 | 15.225 | -0.103 | 15.243 | -0.046 |
| 12.489 | 0.063 | 12.497 | 0.163 | 12.505 | 0.234 | 12.513 | 0.325 | 15.260 | -0.018 | 15.278 | -0.009 | 15.290 | -0.056 | 15.301 | -0.104 |
| 12.515 | 0.358 | 12.528 | 0.415 | 12.535 | 0.454 | 12.543 | 0.507 | 15.317 | -0.185 | 15.339 | -0.199 | 15.345 | -0.190 | 15.358 | -0.152 |
| 12.556 | 0.545 | 12.563 | 0.569 | 12.570 | 0.592 | 12.583 | 0.564 | 15.367 | -0.115 | 15.383 | -0.124 | 15.394 | -0.105 | 15.412 | -0.015 |
| 12.588 | 0.521 | 12.596 | 0.408 | 12.607 | 0.251 | 12.619 | 0.175 | 15.420 | 0.028 | 15.441 | 0.033 | 15.464 | 0.019 | 15.479 | -0.005 |
| 12.628 | 0.085 | 12.634 | 0.010 | 12.640 | -0.095 | 12.647 | -0.175 | 15.500 | -0.014 | 15.524 | 0.009 | 15.537 | -0.006 | 15.556 | 0.008 |
| 12.656 | -0.246 | 12.664 | -0.289 | 12.673 | -0.356 | 12.677 | -0.394 | 15.577 | -0.068 | 15.596 | -0.130 | 15.611 | -0.131 | 15.627 | -0.178 |
| 12.687 | -0.456 | 12.698 | -0.471 | 12.711 | -0.448 | 12.723 | -0.349 | 15.641 | -0.202 | 15.646 | -0.212 | 15.659 | -0.198 | 15.680 | -0.147 |
| 12.732 | -0.231 | 12.739 | -0.137 | 12.758 | 0.047 | 12.771 | 0.108 | 15.695 | -0.105 | 15.706 | -0.063 | 15.724 | 0.028 | 15.736 | 0.061 |
| 12.784 | 0.216 | 12.795 | 0.239 | 12.809 | 0.239 | 12.815 | 0.253 | 15.749 | 0.019 | 15.774 | -0.033 | 15.794 | -0.080 | 15.804 | -0.098 |
| 12.825 | 0.272 | 12.836 | 0.249 | 12.844 | 0.201 | 12.857 | 0.084 | 15.818 | -0.060 | 15.835 | 0.020 | 15.852 | 0.162 | 15.869 | 0.252 |
| 12.867 | 0.026 | 12.876 | -0.021 | 12.894 | -0.116 | 12.904 | -0.158 | 15.880 | 0.318 | 15.891 | 0.351 | 15.904 | 0.294 | 15.916 | 0.228 |
| 12.923 | -0.182 | 12.937 | -0.225 | 12.952 | -0.372 | 13.006 | -0.339 | 15.937 | 0.113 | 15.959 | 0.070 | 15.976 | 0.055 | 15.991 | 0.077 |
| 13.017 | -0.297 | 13.028 | -0.255 | 13.040 | -0.236 | 13.055 | -0.203 | 16.002 | 0.105 | 16.023 | 0.114 | 16.041 | 0.117 | 16.051 | 0.079 |
| 13.062 | -0.194 | 13.074 | -0.170 | 13.083 | -0.128 | 13.094 | -0.076 | 16.063 | -0.023 | 16.076 | 0.008 | 16.085 | 0.022 | 16.102 | -0.035 |
| 13.105 | -0.020 | 13.126 | 0.004 | 13.135 | -0.034 | 13.151 | -0.104 | 16.123 | -0.049 | 16.146 | -0.040 | 16.157 | 0.003 | 16.175 | 0.140 |
| 13.170 | -0.165 | 13.179 | -0.208 | 13.190 | -0.222 | 13.199 | -0.221 | 16.189 | 0.207 | 16.200 | 0.259 | 16.209 | 0.274 | 16.221 | 0.236 |
| 13.210 | -0.193 | 13.226 | -0.155 | 13.233 | -0.140 | 13.244 | -0.145 | 16.238 | 0.194 | 16.242 | 0.156 | 16.254 | 0.076 | 16.270 | -0.066 |
| 13.251 | -0.154 | 13.260 | -0.135 | 13.270 | -0.111 | 13.277 | -0.087 | 16.287 | -0.194 | 16.295 | -0.222 | 16.307 | -0.260 | 16.320 | -0.250 |
| 13.281 | -0.111 | 13.288 | -0.058 | 13.295 | -0.110 | 13.304 | -0.181 | 16.335 | -0.202 | 16.352 | -0.145 | 16.367 | -0.103 | 16.383 | -0.056 |
| 13.316 | -0.224 | 13.322 | -0.176 | 13.338 | -0.139 | 13.354 | -0.111 | 16.398 | 0.000 | 16.419 | 0.023 | 16.439 | 0.037 | 16.450 | 0.017 |
| 13.362 | -0.116 | 13.377 | -0.054 | 13.396 | -0.037 | 13.406 | -0.017 | 16.462 | -0.007 | 16.480 | -0.065 | 16.489 | 0.127 | 16.499 | 0.189 |
| 13.430 | 0.044 | 13.445 | 0.039 | 13.462 | 0.031 | 13.478 | 0.108 | 16.507 | -0.236 | 16.522 | -0.237 | 16.542 | -0.205 | 16.552 | -0.139 |
| 13.489 | 0.122 | 13.504 | 0.098 | 13.517 | 0.078 | 13.530 | 0.116 | 16.566 | 0.004 | 16.576 | 0.131 | 16.585 | 0.237 | 16.591 | 0.245 |
| 13.548 | 0.278 | 13.561 | 0.218 | 13.572 | 0.284 | 13.590 | 0.387 | 16.605 | 0.259 | 16.619 | 0.274 | 16.629 | 0.241 | 16.642 | 0.184 |
| 13.597 | 0.401 | 13.604 | 0.382 | 13.613 | 0.362 | 13.624 | 0.348 | 16.654 | 0.095 | 16.663 | 0.019 | 16.674 | -0.056 | 16.689 | -0.117 |
| 13.635 | 0.361 | 13.648 | 0.398 | 13.664 | 0.359 | 13.678 | 0.316 | 16.707 | -0.145 | 16.723 | -0.164 | 16.738 | -0.154 | 16.761 | -0.164 |
| 13.744 | 0.105 | 13.759 | 0.119 | 13.773 | 0.180 | 13.779 | 0.241 | 16.771 | -0.136 | 16.792 | -0.089 | 16.802 | -0.061 | 16.815 | 0.010 |
| 13.790 | 0.307 | 13.801 | 0.364 | 13.811 | 0.368 | 13.821 | 0.344 | 16.827 | 0.048 | 16.838 | 0.085 | 16.853 | 0.118 | 16.879 | 0.084 |
| 13.832 | 0.306 | 13.851 | 0.334 | 13.858 | 0.301 | 13.877 | 0.164 | 16.891 | 0.037 | 16.908 | -0.021 | 16.925 | -0.111 | 16.945 | -0.178 |
| 13.887 | 0.074 | 13.897 | 0.022 | 13.905 | -0.035 | 13.911 | -0.063 | 16.964 | -0.227 | 16.975 | -0.255 | 16.993 | -0.213 | 17.007 | -0.171 |
| 13.926 | -0.078 | 13.945 | -0.073 | 13.956 | -0.063 | 13.985 | -0.054 | 17.024 | -0.143 | 17.038 | -0.101 | 17.051 | -0.071 | 17.062 | 0.050 |
| 14.002 | -0.016 | 14.009 | -0.045 | 14.020 | -0.073 | 14.035 | -0.106 | 17.076 | 0.134 | 17.089 | 0.200 | 17.104 | 0.266 | 17.118 | 0.242 |
| 14.059 | -0.073 | 14.073 | -0.114 | 14.089 | -0.130 | 14.100 | -0.168 | 17.131 | 0.199 | 17.140 | 0.161 | 17.152 | 0.075 | 17.165 | -0.006 |
| 14.116 | -0.239 | 14.123 | -0.268 | 14.135 | -0.278 | 14.147 | -0.259 | 17.170 | -0.049 | 17.183 | -0.115 | 17.198 | -0.144 | 17.205 | -0.168 |
| 14.162 | -0.160 | 14.177 | -0.037 | 14.191 | 0.067 | 14.210 | 0.072 | 17.214 | 0.135 | 17.234 | -0.031 | 17.245 | 0.007 | 17.260 | 0.021 |
| 14.227 | 0.033 | 14.242 | -0.034 | 14.253 | -0.124 | 14.268 | -0.224 | 17.274 | 0.006 | 17.291 | -0.022 | 17.311 | -0.075 | 17.319 | -0.084 |
| 14.275 | -0.236 | 14.284 | -0.315 | 14.292 | -0.325 | 14.302 | -0.282 | 17.337 | -0.047 | 17.347 | -0.037 | 17.360 | 0.019 | 17.369 | 0.099 |
| 14.324 | -0.132 | 14.339 | -0.057 | 14.350 | 0.033 | 14.356 | 0.085 | 17.386 | -0.146 | 17.400 | 0.118 | 17.421 | 0.018 | 17.439 | -0.073 |
| 14.369 | 0.127 | 14.382 | 0.093 | 14.391 | 0.036 | 14.400 | -0.040 | 17.452 | -0.149 | 17.472 | -0.183 | 17.488 | -0.211 | 17.502 | -0.183 |
| 14.409 | -0.131 | 14.417 | -0.226 | 14.425 | -0.297 | 14.439 | -0.312 | 17.514 | -0.141 | 17.528 | -0.118 | 17.546 | -0.094 | 17.566 | -0.057 |
| 14.457 | -0.293 | 14.469 | -0.246 | 14.480 | -0.157 | 14.488 | -0.096 | 17.575 | -0.023 | 17.593 | -0.023 | 17.609 | 0.029 | 17.623 | 0.062 |
| 14.494 | -0.058 | 14.506 | -0.006 | 14.519 | 0.055 | 14.532 | 0.120 | 17.632 | 0.081 | 17.644 | 0.062 | 17.667 | 0.029 | 17.691 | -0.014 |
| 14.545 | 0.101 | 14.558 | 0.034 | 14.579 | -0.034 | 14.597 | -0.148 | 17.674 | 0.029 | 17.727 | 0.118 | 17.741 | 0.170 | 17.761 | 0.223 |
| 14.610 | -0.167 | 14.634 | -0.121 | 14.640 | -0.107 | 14.655 | -0.113 | 17.783 | 0.204 | 17.802 | 0.156 | 17.824 | 0.076 | 17.841 | -0.001 |
| 14.677 | -0.133 | 14.691 | -0.148 | 14.709 | -0.168 | 14.717 | -0.149 | 17.859 | -0.039 | 17.885 | -0.078 | 17.902 | -0.102 | 17.915 | -0.078 |
| 14.746 | -0.113 | 14.755 | -0.118 | 14.768 | -0.062 | 14.784 | 0.098 | 17.927 | 0.065 | 17.940 | -0.036 | 17.950 | 0.030 | 17.958 | 0.072 |
| | | | | | | | | 17.970 | 0.105 | 17.977 | 0.129 | 17.987 | 0.153 | 17.997 | 0.171 |
| | | | | | | | | 18.013 | 0.148 | 18.022 | 0.095 | 18.031 | 0.048 | 18.043 | -0.047 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 18.056 | -0.118 | 18.068 | -0.161 | 18.081 | -0.194 | 18.095 | -0.161 | 21.308 | 0.127 | 21.329 | 0.037 | 21.335 | 0.042 | 21.357 | 0.066 |
| 18.111 | -0.109 | 18.123 | -0.052 | 18.133 | -0.000 | 18.146 | 0.056 | 21.380 | 0.057 | 21.392 | 0.072 | 21.406 | 0.077 | 21.430 | 0.063 |
| 18.153 | 0.075 | 18.169 | 0.085 | 18.182 | 0.104 | 18.195 | 0.103 | 21.440 | 0.077 | 21.453 | 0.097 | 21.470 | 0.073 | 21.490 | 0.041 |
| 18.207 | 0.093 | 18.216 | 0.112 | 18.226 | 0.097 | 18.236 | 0.106 | 21.519 | 0.032 | 21.532 | -0.000 | 21.548 | -0.057 | 21.574 | -0.046 |
| 18.250 | 0.101 | 18.265 | 0.073 | 18.283 | 0.015 | 18.297 | -0.051 | 21.594 | -0.017 | 21.612 | 0.035 | 21.626 | 0.069 | 21.645 | 0.093 |
| 18.307 | -0.109 | 18.331 | -0.128 | 18.350 | -0.103 | 18.368 | -0.052 | 21.663 | 0.079 | 21.692 | 0.023 | 21.718 | -0.020 | 21.748 | -0.019 |
| 18.384 | -0.013 | 18.397 | 0.024 | 18.411 | 0.062 | 18.419 | 0.029 | 21.760 | -0.019 | 21.791 | -0.070 | 21.798 | -0.023 | 21.825 | -0.060 |
| 18.424 | 0.048 | 18.432 | -0.013 | 18.449 | -0.041 | 18.465 | -0.069 | 21.841 | -0.050 | 21.870 | -0.025 | 21.899 | -0.010 | 21.909 | -0.028 |
| 18.486 | -0.093 | 18.499 | -0.125 | 18.517 | -0.139 | 18.548 | -0.115 | 21.928 | -0.085 | 21.945 | -0.089 | 21.969 | -0.098 | 21.987 | -0.079 |
| 18.562 | -0.115 | 18.583 | -0.110 | 18.600 | -0.068 | 18.611 | -0.049 | 21.995 | -0.050 | 22.011 | -0.003 | 22.024 | 0.031 | 22.042 | 0.084 |
| 18.629 | -0.011 | 18.639 | 0.017 | 18.656 | 0.045 | 18.669 | 0.031 | 22.072 | -0.046 | 22.092 | 0.022 | 22.119 | 0.008 | 22.141 | -0.026 |
| 18.675 | 0.021 | 18.691 | 0.054 | 18.713 | 0.024 | 18.725 | 0.010 | 22.163 | -0.021 | 22.175 | -0.068 | 22.199 | -0.116 | 22.210 | -0.121 |
| 18.741 | 0.009 | 18.758 | 0.003 | 18.774 | 0.002 | 18.789 | 0.015 | 22.227 | -0.088 | 22.244 | -0.021 | 22.262 | 0.059 | 22.272 | 0.135 |
| 18.802 | 0.038 | 18.813 | 0.075 | 18.828 | 0.069 | 18.844 | 0.044 | 22.290 | 0.187 | 22.299 | 0.211 | 22.318 | 0.178 | 22.339 | 0.117 |
| 18.863 | 0.009 | 18.874 | -0.002 | 18.887 | -0.026 | 18.901 | 0.016 | 22.360 | 0.041 | 22.379 | 0.004 | 22.399 | -0.053 | 22.414 | -0.057 |
| 18.910 | 0.049 | 18.926 | 0.062 | 18.946 | 0.086 | 18.943 | 0.109 | 22.444 | -0.052 | 22.469 | -0.047 | 22.488 | -0.071 | 22.504 | -0.090 |
| 18.956 | 0.132 | 18.971 | 0.089 | 18.984 | 0.018 | 18.998 | -0.015 | 22.530 | -0.057 | 22.567 | -0.028 | 22.567 | -0.000 | 22.588 | -0.010 |
| 19.013 | -0.057 | 19.024 | -0.095 | 19.035 | -0.123 | 19.051 | -0.103 | 22.605 | -0.062 | 22.620 | -0.109 | 22.631 | -0.109 | 22.649 | -0.086 |
| 19.062 | -0.070 | 19.073 | -0.036 | 19.086 | 0.012 | 19.094 | 0.041 | 22.673 | -0.058 | 22.677 | -0.054 | 22.703 | -0.102 | 22.725 | -0.159 |
| 19.107 | 0.074 | 19.122 | 0.046 | 19.135 | 0.019 | 19.149 | -0.009 | 22.743 | -0.173 | 22.758 | -0.187 | 22.782 | -0.135 | 22.799 | -0.046 |
| 19.158 | -0.042 | 19.176 | -0.061 | 19.189 | -0.023 | 19.202 | 0.043 | 22.811 | 0.021 | 22.820 | 0.054 | 22.834 | 0.077 | 22.845 | 0.111 |
| 19.213 | 0.095 | 19.223 | 0.119 | 19.239 | 0.157 | 19.252 | 0.171 | 22.869 | 0.082 | 22.889 | 0.025 | 22.911 | 0.011 | 22.920 | 0.002 |
| 19.264 | 0.128 | 19.274 | 0.104 | 19.285 | 0.080 | 19.296 | 0.042 | 22.937 | 0.049 | 22.954 | 0.078 | 22.975 | 0.088 | 22.995 | 0.088 |
| 19.309 | -0.034 | 19.322 | -0.058 | 19.341 | -0.012 | 19.357 | 0.030 | 23.008 | 0.088 | 23.032 | 0.079 | 23.047 | 0.051 | 23.068 | 0.070 |
| 19.371 | 0.077 | 19.388 | 0.114 | 19.396 | 0.123 | 19.409 | 0.100 | 23.083 | 0.103 | 23.112 | 0.088 | 23.136 | 0.059 | 23.169 | 0.068 |
| 19.424 | 0.086 | 19.439 | 0.039 | 19.449 | 0.020 | 19.461 | 0.030 | 23.193 | 0.040 | 23.212 | 0.054 | 23.244 | 0.044 | 23.252 | 0.039 |
| 19.475 | 0.040 | 19.490 | 0.078 | 19.502 | 0.125 | 19.512 | 0.154 | 23.270 | 0.024 | 23.283 | -0.004 | 23.308 | -0.005 | 23.332 | 0.005 |
| 19.524 | 0.168 | 19.535 | 0.126 | 19.549 | 0.027 | 19.558 | -0.078 | 23.362 | 0.033 | 23.362 | 0.056 | 23.382 | 0.075 | 23.391 | 0.079 |
| 19.571 | -0.158 | 19.577 | -0.182 | 19.589 | -0.186 | 19.605 | -0.158 | 23.404 | 0.056 | 23.425 | -0.010 | 23.439 | -0.048 | 23.453 | -0.105 |
| 19.620 | -0.125 | 19.640 | -0.082 | 19.648 | -0.058 | 19.658 | -0.034 | 23.478 | -0.114 | 23.499 | -0.100 | 23.513 | -0.085 | 23.530 | -0.062 |
| 19.672 | -0.020 | 19.686 | -0.049 | 19.697 | -0.082 | 19.711 | -0.102 | 23.546 | -0.038 | 23.557 | -0.009 | 23.575 | 0.029 | 23.600 | 0.015 |
| 19.722 | -0.079 | 19.732 | -0.065 | 19.748 | -0.099 | 19.763 | -0.142 | 23.620 | 0.001 | 23.634 | -0.023 | 23.655 | -0.089 | 23.674 | -0.136 |
| 19.779 | -0.171 | 19.792 | -0.219 | 19.810 | -0.238 | 19.826 | -0.201 | 23.690 | -0.183 | 23.706 | -0.201 | 23.730 | -0.187 | 23.749 | -0.149 |
| 19.848 | -0.135 | 19.864 | -0.073 | 19.874 | -0.021 | 19.884 | 0.021 | 23.764 | -0.064 | 23.778 | 0.003 | 23.788 | 0.022 | 23.809 | 0.064 |
| 19.892 | 0.045 | 19.904 | 0.059 | 19.921 | 0.021 | 19.934 | -0.065 | 23.828 | 0.079 | 23.859 | 0.046 | 23.882 | 0.003 | 23.902 | -0.034 |
| 19.948 | -0.145 | 19.957 | -0.174 | 19.973 | -0.150 | 19.983 | -0.136 | 23.911 | -0.053 | 23.930 | -0.029 | 23.953 | 0.027 | 23.977 | 0.046 |
| 19.997 | -0.089 | 20.013 | -0.041 | 20.024 | -0.039 | 20.034 | 0.063 | 24.002 | 0.041 | 24.022 | 0.036 | 24.046 | 0.040 | 24.074 | 0.030 |
| 20.043 | 0.082 | 20.057 | 0.049 | 20.074 | -0.022 | 20.092 | -0.046 | 24.093 | 0.044 | 24.114 | 0.048 | 24.127 | 0.048 | 24.152 | 0.019 |
| 20.105 | -0.108 | 20.124 | -0.122 | 20.139 | -0.127 | 20.152 | -0.089 | 24.172 | 0.037 | 24.194 | 0.018 | 24.213 | -0.006 | 24.233 | -0.016 |
| 20.165 | -0.066 | 20.178 | -0.047 | 20.191 | -0.014 | 20.213 | 0.009 | 24.251 | -0.040 | 24.263 | -0.050 | 24.285 | -0.076 | 24.305 | 0.017 |
| 20.234 | 0.028 | 20.251 | 0.056 | 20.271 | 0.075 | 20.286 | 0.098 | 24.322 | 0.055 | 24.336 | 0.078 | 24.353 | 0.130 | 24.383 | 0.083 |
| 20.300 | 0.056 | 20.320 | 0.023 | 20.337 | 0.009 | 20.352 | -0.005 | 24.409 | 0.012 | 24.445 | -0.040 | 24.459 | -0.078 | 24.477 | -0.092 |
| 20.367 | -0.019 | 20.379 | -0.033 | 20.393 | -0.019 | 20.408 | 0.010 | 24.504 | -0.055 | 24.529 | -0.003 | 24.550 | 0.035 | 24.563 | 0.053 |
| 20.418 | 0.034 | 20.426 | 0.095 | 20.444 | -0.200 | 20.458 | 0.195 | 24.576 | 0.082 | 24.594 | 0.101 | 24.609 | 0.078 | 24.624 | 0.049 |
| 20.475 | 0.210 | 20.499 | 0.215 | 20.514 | 0.149 | 20.527 | 0.102 | 24.641 | -0.012 | 24.650 | -0.031 | 24.667 | -0.073 | 24.687 | -0.092 |
| 20.540 | 0.056 | 20.551 | -0.001 | 20.562 | -0.038 | 20.581 | -0.066 | 24.703 | -0.087 | 24.717 | -0.059 | 24.731 | -0.021 | 24.744 | -0.021 |
| 20.597 | -0.037 | 20.606 | -0.027 | 20.628 | -0.011 | 20.644 | 0.022 | 24.757 | 0.002 | 24.766 | 0.021 | 24.776 | 0.035 | 24.789 | 0.025 |
| 20.659 | 0.051 | 20.670 | 0.071 | 20.688 | 0.105 | 20.701 | 0.053 | 24.798 | 0.025 | 24.813 | 0.019 | 24.817 | 0.019 | 24.822 | 0.019 |
| 20.734 | -0.002 | 20.757 | -0.067 | 20.768 | -0.109 | 20.788 | -0.113 | 24.824 | 0.019 | 24.830 | 0.018 | 24.838 | 0.018 | 24.858 | 0.013 |
| 20.818 | -0.126 | 20.837 | -0.139 | 20.838 | -0.149 | 20.860 | -0.168 | 24.869 | 0.027 | 24.880 | 0.027 | 24.899 | 0.013 | 24.916 | 0.013 |
| 20.878 | -0.182 | 20.893 | -0.158 | 20.911 | -0.101 | 20.925 | -0.039 | 24.936 | 0.003 | 24.948 | 0.008 | 24.965 | 0.036 | 24.980 | 0.055 |
| 20.952 | -0.015 | 20.982 | 0.018 | 20.993 | 0.023 | 21.015 | 0.008 | 24.991 | 0.055 | 25.009 | 0.036 | 25.027 | 0.008 | 25.042 | 0.002 |
| 21.034 | -0.010 | 21.053 | -0.044 | 21.074 | -0.025 | 21.090 | -0.020 | 25.063 | -0.012 | 25.082 | -0.016 | 25.097 | -0.021 | 25.110 | 0.012 |
| 21.167 | -0.015 | 21.121 | -0.006 | 21.141 | -0.044 | 21.151 | -0.053 | 25.126 | 0.021 | 25.140 | 0.016 | 25.156 | -0.003 | 25.172 | -0.051 |
| 21.167 | -0.034 | 21.185 | -0.010 | 21.204 | 0.023 | 21.220 | 0.037 | 25.185 | -0.070 | 25.197 | -0.060 | 25.215 | -0.027 | 25.233 | 0.010 |
| 21.233 | 0.079 | 21.243 | 0.103 | 21.263 | 0.113 | 21.280 | 0.089 | 25.254 | 0.039 | 25.270 | 0.043 | 25.289 | 0.038 | 25.307 | 0.000 |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 25.326 | -0.033 | 25.348 | -0.062 | 25.366 | -0.071 | 25.384 | -0.081 | 29.610 | -0.091 | 29.623 | -0.100 | 29.636 | -0.091 | 29.650 | -0.053 |
| 25.401 | -0.057 | 25.422 | -0.053 | 25.443 | -0.029 | 25.463 | -0.004 | 29.670 | 0.008 | 29.686 | 0.056 | 29.702 | 0.089 | 29.719 | 0.079 |
| 25.483 | 0.042 | 25.494 | 0.046 | 25.510 | 0.032 | 25.528 | -0.006 | 29.734 | 0.065 | 29.748 | 0.056 | 29.766 | 0.037 | 29.786 | 0.037 |
| 25.551 | -0.034 | 25.571 | -0.051 | 25.588 | -0.039 | 25.610 | 0.004 | 29.808 | 0.032 | 29.818 | 0.042 | 29.833 | 0.056 | 29.852 | 0.047 |
| 25.631 | 0.023 | 25.646 | 0.023 | 25.659 | 0.004 | 25.678 | -0.044 | 29.874 | 0.028 | 29.890 | 0.019 | 29.905 | 0.033 | 29.921 | 0.061 |
| 25.697 | -0.072 | 25.714 | -0.072 | 25.734 | -0.039 | 25.755 | 0.023 | 29.935 | 0.066 | 29.950 | 0.047 | 29.969 | 0.005 | 29.991 | -0.009 |
| 25.776 | 0.061 | 25.786 | 0.079 | 25.791 | 0.079 | 25.801 | 0.070 | 30.009 | -0.028 | 30.025 | -0.013 | 30.044 | 0.016 | 30.057 | 0.049 |
| 25.820 | 0.037 | 25.841 | 0.013 | 25.864 | -0.006 | 25.889 | -0.015 | 30.072 | 0.064 | 30.091 | 0.074 | 30.110 | 0.051 | 30.128 | 0.032 |
| 25.906 | -0.020 | 25.929 | 0.027 | 25.951 | 0.070 | 25.971 | 0.084 | 30.144 | 0.014 | 30.162 | -0.038 | 30.179 | -0.075 | 30.194 | -0.075 |
| 25.990 | 0.103 | 26.005 | 0.103 | 26.022 | 0.089 | 26.038 | 0.056 | 30.212 | -0.084 | 30.229 | -0.074 | 30.246 | -0.054 | 30.265 | -0.016 |
| 26.056 | 0.032 | 26.081 | 0.013 | 26.101 | -0.020 | 26.119 | 0.044 | 30.282 | 0.023 | 30.301 | 0.052 | 30.314 | 0.081 | 30.326 | 0.091 |
| 26.138 | -0.049 | 26.161 | -0.006 | 26.187 | 0.032 | 26.209 | -0.046 | 30.341 | 0.068 | 30.361 | 0.030 | 30.375 | -0.016 | 30.393 | 0.068 |
| 26.229 | 0.056 | 26.242 | 0.061 | 26.262 | 0.032 | 26.283 | 0.013 | 30.412 | -0.096 | 30.426 | -0.109 | 30.437 | -0.095 | 30.455 | -0.056 |
| 26.305 | 0.008 | 26.328 | -0.021 | 26.352 | -0.040 | 26.381 | -0.035 | 30.473 | -0.016 | 30.485 | -0.010 | 30.497 | 0.020 | 30.514 | 0.025 |
| 26.369 | 0.048 | 26.394 | -0.029 | 26.415 | 0.033 | 26.449 | 0.006 | 30.526 | 0.016 | 30.544 | -0.031 | 30.559 | -0.031 | 30.579 | 0.036 |
| 26.405 | -0.040 | 26.425 | -0.017 | 26.449 | 0.006 | 26.473 | 0.035 | 30.592 | -0.012 | 30.612 | -0.058 | 30.626 | -0.013 | 30.643 | -0.001 |
| 26.499 | 0.048 | 26.516 | 0.048 | 26.532 | 0.033 | 26.548 | 0.028 | 30.655 | -0.011 | 30.672 | -0.058 | 30.687 | -0.086 | 30.703 | -0.105 |
| 26.569 | -0.000 | 26.594 | -0.029 | 26.615 | -0.039 | 26.633 | 0.044 | 30.718 | -0.090 | 30.739 | -0.080 | 30.755 | -0.047 | 30.768 | -0.118 |
| 26.600 | 0.064 | 26.672 | -0.064 | 26.686 | -0.055 | 26.703 | -0.036 | 30.789 | -0.008 | 30.813 | 0.006 | 30.828 | 0.006 | 30.849 | 0.012 |
| 26.727 | -0.032 | 26.751 | -0.037 | 26.771 | -0.047 | 26.790 | -0.066 | 30.862 | 0.040 | 30.880 | 0.026 | 30.900 | 0.041 | 30.913 | 0.017 |
| 26.811 | -0.052 | 26.837 | -0.033 | 26.855 | -0.024 | 26.872 | -0.034 | 30.927 | -0.001 | 30.952 | -0.005 | 30.968 | -0.023 | 30.983 | -0.037 |
| 26.891 | -0.067 | 26.912 | -0.110 | 26.933 | -0.143 | 26.952 | -0.124 | 31.002 | -0.041 | 31.017 | -0.059 | 31.035 | -0.044 | 31.049 | -0.044 |
| 26.972 | -0.072 | 26.997 | -0.035 | 27.007 | 0.013 | 27.025 | 0.041 | 31.063 | -0.006 | 31.080 | 0.004 | 31.099 | 0.038 | 31.120 | 0.067 |
| 27.038 | 0.046 | 27.057 | 0.031 | 27.076 | 0.017 | 27.093 | 0.012 | 31.131 | 0.091 | 31.144 | 0.072 | 31.161 | 0.016 | 31.176 | -0.031 |
| 27.112 | 0.031 | 27.129 | 0.050 | 27.152 | 0.054 | 27.183 | 0.058 | 31.197 | -0.045 | 31.217 | -0.063 | 31.232 | -0.058 | 31.246 | -0.029 |
| 27.203 | 0.063 | 27.221 | 0.058 | 27.247 | 0.034 | 27.269 | 0.019 | 31.257 | -0.034 | 31.270 | -0.009 | 31.285 | -0.024 | 31.302 | 0.015 |
| 27.290 | 0.024 | 27.313 | 0.047 | 27.333 | 0.070 | 27.347 | 0.075 | 31.318 | 0.001 | 31.339 | 0.010 | 31.361 | 0.011 | 31.377 | 0.021 |
| 27.366 | 0.055 | 27.382 | 0.046 | 27.408 | 0.040 | 27.434 | 0.049 | 31.395 | -0.007 | 31.416 | -0.012 | 31.438 | -0.026 | 31.460 | -0.035 |
| 27.461 | 0.058 | 27.481 | 0.063 | 27.499 | 0.034 | 27.515 | 0.015 | 31.485 | -0.039 | 31.503 | -0.039 | 31.520 | -0.020 | 31.536 | -0.010 |
| 27.539 | 0.010 | 27.562 | 0.019 | 27.589 | 0.033 | 27.610 | 0.033 | 31.553 | -0.014 | 31.567 | 0.005 | 31.588 | 0.034 | 31.611 | 0.039 |
| 27.628 | 0.023 | 27.649 | 0.019 | 27.671 | 0.018 | 27.690 | 0.018 | 31.630 | -0.039 | 31.647 | 0.011 | 31.666 | -0.016 | 31.685 | -0.022 |
| 27.707 | -0.001 | 27.731 | -0.039 | 27.750 | -0.063 | 27.772 | -0.077 | 31.703 | -0.050 | 31.716 | -0.050 | 31.734 | -0.026 | 31.754 | -0.016 |
| 27.786 | -0.077 | 27.801 | -0.039 | 27.820 | -0.004 | 27.837 | 0.042 | 31.774 | -0.007 | 31.791 | 0.003 | 31.815 | -0.006 | 31.828 | -0.006 |
| 27.855 | 0.051 | 27.872 | 0.032 | 27.894 | 0.004 | 27.912 | -0.010 | 31.846 | -0.003 | 31.864 | 0.027 | 31.883 | 0.041 | 31.906 | 0.051 |
| 27.933 | -0.029 | 27.954 | -0.034 | 27.968 | -0.048 | 27.988 | -0.072 | 31.924 | 0.004 | 31.944 | 0.013 | 31.959 | -0.011 | 31.972 | -0.015 |
| 28.004 | -0.086 | 28.020 | -0.081 | 28.042 | -0.067 | 28.056 | -0.048 | 31.992 | 0.004 | 32.009 | -0.010 | 32.031 | 0.010 | 32.049 | 0.020 |
| 28.076 | -0.029 | 28.094 | -0.025 | 28.111 | -0.001 | 28.128 | 0.013 | 32.070 | -0.006 | 32.093 | 0.002 | 32.117 | 0.007 | 32.135 | 0.007 |
| 28.146 | 0.008 | 28.165 | -0.006 | 28.179 | -0.020 | 28.192 | -0.025 | 32.154 | -0.002 | 32.175 | -0.002 | 32.192 | 0.003 | 32.206 | 0.004 |
| 28.211 | -0.034 | 28.229 | -0.044 | 28.245 | -0.048 | 28.261 | -0.034 | 32.224 | 0.033 | 32.246 | 0.038 | 32.264 | 0.049 | 32.277 | 0.064 |
| 28.280 | -0.015 | 28.296 | -0.029 | 28.314 | -0.044 | 28.334 | -0.058 | 32.285 | 0.073 | 32.298 | 0.055 | 32.314 | 0.023 | 32.328 | 0.004 |
| 28.360 | -0.063 | 28.380 | -0.033 | 28.402 | -0.044 | 28.417 | -0.029 | 32.346 | -0.023 | 32.364 | -0.018 | 32.384 | -0.002 | 32.400 | -0.016 |
| 28.437 | -0.015 | 28.459 | 0.004 | 28.475 | 0.008 | 28.499 | 0.008 | 32.414 | 0.004 | 32.426 | 0.009 | 32.444 | 0.000 | 32.463 | 0.015 |
| 28.521 | -0.001 | 28.540 | -0.001 | 28.556 | -0.015 | 28.578 | -0.020 | 32.480 | 0.044 | 32.501 | 0.040 | 32.521 | 0.045 | 32.540 | 0.036 |
| 28.596 | -0.015 | 28.619 | -0.015 | 28.639 | 0.018 | 28.657 | 0.051 | 32.561 | -0.001 | 32.582 | -0.024 | 32.603 | -0.033 | 32.616 | -0.028 |
| 28.677 | 0.070 | 28.690 | 0.075 | 28.707 | 0.056 | 28.726 | 0.027 | 32.631 | -0.008 | 32.652 | 0.016 | 32.671 | 0.035 | 32.684 | 0.049 |
| 28.744 | -0.006 | 28.765 | -0.039 | 28.783 | -0.058 | 28.803 | -0.044 | 32.703 | 0.021 | 32.720 | 0.007 | 32.737 | -0.002 | 32.756 | -0.021 |
| 28.823 | 0.003 | 28.841 | 0.045 | 28.857 | 0.083 | 28.872 | 0.097 | 32.776 | -0.016 | 32.797 | -0.020 | 32.809 | -0.006 | 32.824 | 0.009 |
| 28.889 | 0.078 | 28.905 | 0.040 | 28.924 | -0.007 | 28.938 | -0.059 | 32.844 | 0.004 | 32.863 | 0.019 | 32.884 | 0.033 | 32.907 | 0.053 |
| 28.949 | -0.073 | 28.971 | -0.074 | 28.989 | -0.064 | 29.008 | -0.036 | 32.926 | 0.053 | 32.949 | 0.054 | 32.969 | 0.041 | 32.993 | 0.023 |
| 29.032 | -0.003 | 29.054 | 0.034 | 29.075 | 0.067 | 29.092 | 0.081 | 33.015 | 0.010 | 33.039 | -0.004 | 33.063 | -0.003 | 33.089 | 0.008 |
| 29.111 | 0.072 | 29.127 | 0.053 | 29.150 | 0.015 | 29.172 | -0.028 | 33.105 | 0.004 | 33.125 | -0.014 | 33.151 | -0.004 | 33.174 | 0.002 |
| 29.194 | -0.057 | 29.210 | -0.038 | 29.229 | 0.005 | 29.245 | 0.043 | 33.191 | 0.045 | 33.211 | 0.070 | 33.234 | 0.099 | 33.254 | 0.100 |
| 29.266 | 0.057 | 29.283 | 0.066 | 29.296 | 0.052 | 29.310 | 0.028 | 33.276 | 0.096 | 33.289 | 0.068 | 33.309 | 0.035 | 33.329 | 0.008 |
| 29.331 | -0.015 | 29.346 | -0.052 | 29.359 | -0.071 | 29.375 | -0.053 | 33.351 | -0.001 | 33.370 | 0.009 | 33.386 | 0.019 | 33.403 | 0.058 |
| 29.392 | -0.038 | 29.411 | -0.034 | 29.428 | -0.001 | 29.448 | -0.006 | 33.421 | -0.077 | 33.436 | 0.101 | 33.451 | 0.121 | 33.469 | 0.121 |
| 29.472 | 0.009 | 29.495 | 0.037 | 29.515 | 0.075 | 29.529 | 0.098 | 33.491 | 0.108 | 33.511 | 0.062 | 33.533 | 0.011 | 33.551 | -0.031 |
| 29.544 | 0.117 | 29.555 | 0.094 | 29.577 | 0.013 | 29.598 | -0.053 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 33.562 | -0.045 | 33.575 | -0.058 | 33.594 | -0.043 | 33.605 | -0.033 | 37.388 | 0.076 | 37.405 | 0.038 | 37.422 | 0.015 | 37.437 | -0.008 |
| 33.627 | -0.018 | 33.640 | 0.020 | 33.651 | 0.063 | 33.666 | 0.078 | 37.452 | -0.017 | 37.466 | -0.017 | 37.481 | -0.002 | 37.496 | 0.022 |
| 33.682 | 0.108 | 33.697 | 0.090 | 33.710 | 0.062 | 33.729 | 0.025 | 37.514 | 0.037 | 37.527 | 0.032 | 37.543 | 0.019 | 37.557 | 0.014 |
| 33.747 | -0.021 | 33.765 | -0.039 | 33.779 | -0.052 | 33.797 | -0.042 | 37.575 | -0.004 | 37.590 | -0.012 | 37.606 | -0.041 | 37.622 | -0.040 |
| 33.813 | -0.027 | 33.826 | -0.016 | 33.841 | -0.025 | 33.868 | -0.038 | 37.638 | -0.040 | 37.653 | -0.025 | 37.669 | -0.006 | 37.684 | 0.037 |
| 33.890 | -0.041 | 33.906 | -0.050 | 33.925 | -0.030 | 33.946 | -0.034 | 37.697 | 0.061 | 37.713 | 0.081 | 37.721 | 0.090 | 37.732 | 0.081 |
| 33.966 | -0.038 | 33.987 | -0.051 | 33.997 | -0.045 | 34.013 | -0.007 | 37.746 | 0.048 | 37.765 | 0.016 | 37.780 | -0.003 | 37.795 | -0.021 |
| 34.028 | 0.022 | 34.045 | 0.042 | 34.059 | 0.071 | 34.077 | 0.091 | 37.811 | -0.016 | 37.825 | 0.003 | 37.842 | 0.018 | 37.859 | 0.038 |
| 34.091 | 0.073 | 34.104 | 0.031 | 34.124 | -0.015 | 34.144 | -0.038 | 37.876 | 0.043 | 37.889 | 0.003 | 37.906 | 0.058 | 37.920 | 0.049 |
| 34.166 | -0.052 | 34.191 | -0.060 | 34.212 | -0.059 | 34.232 | -0.063 | 37.939 | 0.035 | 37.953 | 0.026 | 37.967 | 0.041 | 37.985 | 0.027 |
| 34.248 | -0.049 | 34.266 | -0.010 | 34.284 | 0.052 | 34.295 | 0.072 | 38.006 | -0.008 | 38.028 | 0.028 | 38.046 | -0.020 | 38.067 | 0.006 |
| 34.307 | 0.053 | 34.328 | 0.011 | 34.352 | -0.037 | 34.366 | -0.025 | 38.087 | -0.007 | 38.107 | -0.021 | 38.125 | -0.025 | 38.143 | -0.015 |
| 34.375 | -0.044 | 34.383 | -0.048 | 34.395 | -0.034 | 34.410 | 0.005 | 38.159 | 0.009 | 38.176 | 0.029 | 38.193 | 0.034 | 38.209 | 0.025 |
| 34.423 | 0.043 | 34.434 | 0.053 | 34.449 | 0.045 | 34.465 | 0.018 | 38.227 | 0.007 | 38.250 | -0.002 | 38.268 | -0.006 | 38.285 | -0.005 |
| 34.481 | -0.010 | 34.495 | -0.034 | 34.508 | 0.007 | 34.520 | 0.012 | 38.304 | 0.005 | 38.319 | 0.029 | 38.337 | 0.034 | 38.354 | 0.030 |
| 34.537 | -0.020 | 34.560 | -0.061 | 34.576 | -0.093 | 34.590 | -0.111 | 38.373 | 0.002 | 38.386 | -0.016 | 38.396 | -0.026 | 38.415 | -0.025 |
| 34.605 | -0.105 | 34.626 | -0.075 | 34.639 | -0.055 | 34.654 | -0.002 | 38.431 | -0.020 | 38.446 | -0.000 | 38.464 | 0.033 | 38.480 | 0.038 |
| 34.669 | 0.051 | 34.680 | 0.104 | 34.692 | 0.114 | 34.713 | 0.088 | 38.498 | 0.048 | 38.518 | 0.040 | 38.533 | 0.016 | 38.553 | 0.003 |
| 34.738 | 0.047 | 34.760 | 0.030 | 34.780 | 0.008 | 34.797 | 0.029 | 38.578 | 0.003 | 38.601 | -0.005 | 38.628 | -0.009 | 38.648 | -0.013 |
| 34.817 | 0.040 | 34.840 | 0.056 | 34.866 | 0.077 | 34.885 | 0.079 | 38.670 | 0.002 | 38.694 | 0.008 | 38.715 | 0.023 | 38.734 | 0.028 |
| 34.894 | 0.070 | 34.908 | 0.095 | 34.922 | -0.041 | 34.935 | -0.064 | 38.753 | 0.034 | 38.774 | 0.025 | 38.788 | 0.021 | 38.807 | 0.032 |
| 34.951 | -0.068 | 34.969 | -0.053 | 34.987 | -0.009 | 35.008 | 0.049 | 38.822 | 0.046 | 38.832 | 0.052 | 38.849 | 0.034 | 38.866 | 0.015 |
| 35.024 | 0.069 | 35.049 | 0.075 | 35.071 | 0.067 | 35.097 | 0.036 | 38.882 | -0.008 | 38.897 | -0.016 | 38.915 | -0.006 | 38.941 | 0.019 |
| 35.121 | 0.013 | 35.144 | 0.001 | 35.164 | -0.022 | 35.187 | -0.011 | 38.961 | 0.039 | 38.975 | 0.054 | 38.992 | 0.064 | 39.002 | 0.074 |
| 35.198 | -0.001 | 35.218 | -0.009 | 35.241 | -0.018 | 35.268 | -0.021 | 39.018 | -0.056 | 39.031 | 0.033 | 39.050 | 0.019 | 39.066 | 0.001 |
| 35.284 | -0.016 | 35.302 | -0.015 | 35.318 | 0.010 | 35.335 | 0.030 | 39.088 | -0.008 | 39.109 | -0.002 | 39.129 | 0.003 | 39.153 | 0.014 |
| 35.355 | 0.026 | 35.376 | 0.041 | 35.395 | 0.056 | 35.411 | 0.033 | 39.168 | 0.019 | 39.186 | 0.010 | 39.208 | 0.007 | 39.234 | -0.007 |
| 35.421 | 0.024 | 35.439 | 0.039 | 35.457 | 0.040 | 35.476 | 0.032 | 39.257 | 0.018 | 39.273 | 0.037 | 39.298 | 0.043 | 39.320 | -0.038 |
| 35.495 | 0.037 | 35.518 | 0.024 | 35.539 | -0.003 | 35.554 | -0.031 | 39.340 | 0.020 | 39.365 | 0.007 | 39.383 | 0.002 | 39.406 | -0.011 |
| 35.563 | -0.040 | 35.576 | -0.021 | 35.593 | -0.020 | 35.609 | -0.005 | 39.426 | -0.006 | 39.444 | -0.020 | 39.466 | -0.019 | 39.481 | -0.019 |
| 35.626 | 0.029 | 35.642 | 0.043 | 35.659 | 0.063 | 35.678 | 0.078 | 39.504 | -0.028 | 39.528 | -0.027 | 39.554 | -0.026 | 39.581 | -0.021 |
| 35.691 | 0.069 | 35.709 | 0.022 | 35.727 | -0.019 | 35.747 | -0.052 | 39.606 | -0.025 | 39.632 | -0.029 | 39.656 | -0.000 | 39.675 | 0.029 |
| 35.771 | -0.070 | 35.771 | -0.065 | 35.791 | -0.027 | 35.810 | -0.012 | 39.695 | 0.057 | 39.712 | 0.072 | 39.729 | 0.068 | 39.750 | 0.068 |
| 35.827 | 0.022 | 35.837 | 0.032 | 35.858 | 0.023 | 35.882 | 0.024 | 39.771 | -0.050 | 39.786 | 0.036 | 39.807 | 0.018 | 39.827 | 0.009 |
| 35.906 | 0.020 | 35.932 | 0.017 | 35.958 | 0.013 | 35.981 | 0.019 | 39.851 | -0.000 | 39.872 | 0.001 | 39.894 | 0.020 | 39.916 | 0.035 |
| 35.994 | 0.015 | 36.012 | 0.039 | 36.031 | 0.059 | 36.048 | 0.051 | 39.937 | 0.060 | 39.957 | 0.055 | 39.977 | 0.066 | 39.995 | 0.066 |
| 36.068 | 0.037 | 36.086 | 0.043 | 36.110 | 0.034 | 36.132 | 0.016 | 40.015 | 0.062 | 40.036 | 0.063 | 40.058 | 0.068 | 40.079 | 0.069 |
| 36.149 | 0.003 | 36.160 | -0.006 | 36.178 | 0.009 | 36.198 | 0.020 | 40.096 | 0.056 | 40.116 | 0.047 | 40.136 | 0.033 | 40.154 | 0.034 |
| 36.220 | 0.021 | 36.239 | 0.008 | 36.258 | -0.001 | 36.275 | 0.014 | 40.176 | 0.040 | 40.197 | 0.045 | 40.218 | 0.041 | 40.236 | 0.023 |
| 36.297 | 0.039 | 36.313 | 0.054 | 36.330 | 0.078 | 36.346 | 0.089 | 40.259 | 0.024 | 40.280 | 0.024 | 40.303 | 0.020 | 40.321 | 0.006 |
| 36.363 | 0.080 | 36.389 | 0.077 | 36.398 | 0.063 | 36.416 | 0.040 | 40.342 | 0.007 | 40.360 | 0.003 | 40.376 | 0.012 | 40.400 | 0.013 |
| 36.429 | 0.045 | 36.442 | 0.027 | 36.460 | -0.010 | 36.473 | -0.028 | 40.424 | 0.009 | 40.445 | 0.005 | 40.468 | 0.005 | 40.491 | 0.001 |
| 36.490 | -0.009 | 36.510 | 0.016 | 36.524 | 0.045 | 36.542 | 0.051 | 40.508 | -0.017 | 40.526 | -0.026 | 40.544 | -0.031 | 40.567 | -0.030 |
| 36.559 | 0.056 | 36.578 | 0.047 | 36.594 | 0.029 | 36.608 | -0.003 | 40.589 | -0.025 | 40.606 | -0.010 | 40.627 | -0.004 | 40.649 | -0.004 |
| 36.629 | -0.027 | 36.646 | -0.040 | 36.661 | -0.045 | 36.677 | -0.030 | 40.667 | -0.008 | 40.685 | -0.036 | 40.703 | -0.045 | 40.723 | -0.054 |
| 36.697 | 0.004 | 36.715 | 0.018 | 36.725 | 0.028 | 36.743 | 0.038 | 40.741 | -0.044 | 40.764 | -0.015 | 40.786 | 0.014 | 40.802 | 0.034 |
| 36.758 | 0.057 | 36.770 | 0.081 | 36.790 | 0.063 | 36.811 | 0.040 | 40.819 | 0.048 | 40.837 | 0.044 | 40.854 | 0.040 | 40.872 | 0.016 |
| 36.833 | 0.021 | 36.851 | -0.002 | 36.875 | -0.035 | 36.894 | -0.063 | 40.893 | -0.007 | 40.908 | -0.030 | 40.925 | -0.034 | 40.944 | -0.029 |
| 36.910 | -0.067 | 36.927 | -0.082 | 36.942 | -0.057 | 36.958 | -0.024 | 40.960 | -0.014 | 40.979 | 0.000 | 41.000 | 0.005 | 41.020 | 0.015 |
| 36.973 | 0.000 | *37.007 | 0.001 | 37.022 | -0.022 | 37.030 | -0.027 | 41.039 | 0.024 | 41.062 | 0.024 | 41.080 | 0.020 | 41.095 | 0.025 |
| 37.042 | -0.027 | 37.056 | 0.002 | 37.069 | 0.021 | 37.083 | 0.041 | 41.109 | 0.020 | 41.122 | 0.006 | 41.131 | 0.001 | 41.140 | 0.001 |
| 37.093 | 0.060 | 37.108 | 0.058 | 37.123 | 0.112 | 37.133 | 0.117 | | | | | | | | |
| 37.147 | 0.104 | 37.163 | 0.097 | 37.180 | 0.029 | 37.195 | -0.018 | | | | | | | | |
| 37.209 | -0.032 | 37.227 | -0.051 | 37.239 | -0.060 | 37.258 | -0.050 | | | | | | | | |
| 37.274 | -0.031 | 37.289 | -0.016 | 37.304 | 0.003 | 37.319 | 0.022 | | | | | | | | |
| 37.338 | -0.061 | 37.350 | 0.089 | 37.362 | 0.104 | 37.372 | 0.095 | | | | | | | | |

2535 PCINTS 40.698 SECCNDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC. 6/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2280 G/10.

[illegible]

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5.286 | -0.038 | 5.304 | 0.135 | 5.310 | 0.239 | 5.321 | 0.204 | 8.338 | 0.755 | 8.348 | 1.005 | 8.354 | 1.165 | 8.364 | 0.991 |
| 5.333 | 0.155 | 5.347 | 0.127 | 5.368 | 0.078 | 5.376 | 0.001 | 8.389 | 0.699 | 8.393 | 0.365 | 8.404 | 0.171 | 8.420 | 0.095 |
| 5.383 | -0.069 | 5.393 | 0.059 | 5.405 | 0.194 | 5.414 | 0.159 | 8.424 | 0.171 | 8.435 | 0.290 | 8.450 | 0.651 | 8.463 | 0.522 |
| 5.423 | -0.014 | 5.442 | -0.258 | 5.456 | -0.405 | 5.465 | 0.606 | 8.478 | 0.904 | 8.495 | 0.707 | 8.508 | 0.215 | 8.527 | -0.091 |
| 5.491 | -0.746 | 5.503 | 0.739 | 5.519 | -0.732 | 5.534 | -0.531 | 8.535 | -0.132 | 8.555 | -0.042 | 8.584 | 0.042 | 8.593 | -0.090 |
| 5.548 | -0.239 | 5.559 | -0.079 | 5.569 | -0.017 | 5.578 | -0.052 | 8.600 | -0.103 | 8.612 | -0.228 | 8.627 | -0.180 | 8.634 | -0.041 |
| 5.592 | -0.225 | 5.604 | -0.385 | 5.613 | -0.441 | 5.630 | -0.316 | 8.658 | 0.244 | 8.679 | 0.314 | 8.679 | 0.446 | 8.684 | 0.405 |
| 5.645 | -0.239 | 5.653 | -0.218 | 5.674 | -0.329 | 5.685 | -0.475 | 8.700 | 0.349 | 8.719 | 0.412 | 8.726 | 0.434 | 8.727 | 0.467 |
| 5.706 | -0.592 | 5.711 | -0.662 | 5.715 | -0.606 | 5.724 | -0.404 | 8.743 | 0.461 | 8.756 | 0.377 | 8.774 | 0.384 | 8.794 | 0.384 |
| 5.741 | -0.161 | 5.751 | -0.056 | 5.764 | -0.140 | 5.776 | -0.125 | 8.799 | 0.523 | 8.813 | 0.555 | 8.822 | 0.607 | 8.829 | 0.607 |
| 5.756 | 0.063 | 5.808 | 0.181 | 5.822 | 0.237 | 5.835 | 0.306 | 8.838 | 0.280 | 8.851 | 0.245 | 8.858 | 0.079 | 8.879 | 0.072 |
| 5.853 | 0.212 | 5.886 | 0.112 | 5.894 | 0.050 | 5.909 | -0.103 | 8.893 | 0.072 | 8.907 | 0.072 | 8.919 | 0.023 | 8.946 | 0.002 |
| 5.923 | -0.346 | 5.931 | -0.429 | 5.946 | -0.352 | 5.960 | -0.186 | 8.967 | 0.072 | 8.973 | 0.141 | 8.982 | 0.204 | 9.002 | 0.190 |
| 5.976 | -0.040 | 5.986 | 0.009 | 6.001 | -0.026 | 6.009 | 0.074 | 9.026 | 0.148 | 9.040 | -0.053 | 9.056 | -0.056 | 9.066 | -0.797 |
| 6.025 | -0.012 | 6.046 | 0.301 | 6.055 | 0.398 | 6.066 | 0.315 | 9.082 | -0.645 | 9.090 | -0.602 | 9.101 | -0.352 | 9.119 | -0.164 |
| 6.095 | -0.435 | 6.102 | -0.581 | 6.116 | -0.755 | 6.116 | -0.755 | 9.136 | -0.081 | 9.152 | -0.213 | 9.170 | -0.310 | 9.182 | -0.415 |
| 6.133 | -0.458 | 6.147 | -0.185 | 6.159 | -0.032 | 6.172 | 0.107 | 9.190 | -0.491 | 9.199 | -0.415 | 9.213 | -0.303 | 9.226 | -0.241 |
| 6.193 | 0.121 | 6.214 | -0.053 | 6.219 | -0.164 | 6.237 | -0.094 | 9.231 | -0.262 | 9.257 | -0.257 | 9.275 | -0.199 | 9.284 | -0.075 |
| 6.241 | 0.135 | 6.250 | 0.399 | 6.261 | 0.622 | 6.274 | 0.740 | 9.292 | -0.084 | 9.308 | 0.127 | 9.316 | 0.266 | 9.334 | 0.376 |
| 6.285 | 0.629 | 6.288 | 0.288 | 6.301 | -0.003 | 6.309 | -0.323 | 9.341 | 0.383 | 9.353 | 0.279 | 9.372 | 0.001 | 9.393 | -0.235 |
| 6.324 | -0.475 | 6.341 | -0.538 | 6.352 | -0.315 | 6.372 | -0.044 | 9.400 | -0.430 | 9.415 | -0.604 | 9.425 | -0.604 | 9.434 | -0.493 |
| 6.386 | 0.289 | 6.395 | 0.283 | 6.422 | 0.338 | 6.437 | 0.102 | 9.447 | -0.326 | 9.463 | -0.194 | 9.477 | -0.125 | 9.504 | -0.028 |
| 6.447 | -0.043 | 6.472 | -0.161 | 6.477 | -0.224 | 6.496 | -0.286 | 9.520 | 0.078 | 9.536 | -0.008 | 9.544 | 0.083 | 9.565 | 0.214 |
| 6.519 | -0.245 | 6.529 | -0.127 | 6.544 | -0.023 | 6.550 | 0.123 | 9.573 | 0.036 | 9.584 | -0.037 | 9.607 | -0.077 | 9.617 | -0.008 |
| 6.562 | 0.297 | 6.577 | 0.380 | 6.585 | 0.255 | 6.597 | 0.046 | 9.643 | 0.118 | 9.712 | -0.283 | 9.733 | -0.144 | 9.758 | 0.023 |
| 6.609 | -0.176 | 6.629 | -0.357 | 6.641 | -0.510 | 6.654 | -0.614 | 9.762 | -0.251 | 9.775 | -0.283 | 9.805 | 0.147 | 9.826 | 0.164 |
| 6.663 | -0.691 | 6.674 | -0.524 | 6.682 | -0.343 | 6.692 | -0.093 | 9.779 | 0.212 | 9.795 | 0.261 | 9.836 | 0.444 | 9.884 | 0.277 |
| 6.708 | 0.129 | 6.725 | 0.122 | 6.744 | 0.143 | 6.759 | 0.337 | 9.836 | 0.179 | 9.857 | 0.346 | 9.876 | 0.446 | 9.940 | 0.349 |
| 6.790 | 0.435 | 6.790 | 0.317 | 6.800 | 0.115 | 6.819 | -0.121 | 9.905 | 0.155 | 9.919 | 0.278 | 10.003 | 0.238 | 10.017 | 0.329 |
| 6.839 | -0.253 | 6.851 | -0.357 | 6.865 | -0.357 | 6.877 | -0.357 | 9.966 | 0.238 | 9.994 | 0.157 | 10.065 | -0.059 | 10.077 | -0.079 |
| 6.887 | -0.356 | 6.910 | -0.335 | 6.915 | -0.259 | 6.925 | 0.117 | 10.034 | 0.197 | 10.051 | 0.073 | 10.124 | 0.047 | 10.136 | -0.022 |
| 6.938 | 0.457 | 6.950 | 0.902 | 6.957 | 1.062 | 6.980 | 1.111 | 10.087 | -0.024 | 10.109 | 0.123 | 10.176 | 0.001 | 10.198 | -0.019 |
| 6.984 | 0.579 | 6.992 | 0.618 | 7.010 | 0.146 | 7.017 | 0.111 | 10.163 | -0.093 | 10.165 | -0.062 | 10.246 | -0.211 | 10.270 | -0.252 |
| 7.033 | -0.242 | 7.061 | -0.207 | 7.075 | -0.248 | 7.092 | -0.074 | 10.213 | -0.067 | 10.230 | -0.054 | 10.310 | -0.779 | 10.324 | -0.647 |
| 7.118 | 0.044 | 7.125 | 0.135 | 7.141 | 0.170 | 7.146 | 0.205 | 10.278 | -0.481 | 10.291 | -0.738 | 10.362 | -0.152 | 10.386 | 0.029 |
| 7.163 | 0.045 | 7.173 | -0.156 | 7.193 | -0.260 | 7.216 | -0.308 | 10.336 | -0.432 | 10.355 | -0.180 | 10.412 | 0.739 | 10.423 | 0.850 |
| 7.233 | -0.362 | 7.247 | -0.349 | 7.263 | -0.238 | 7.282 | -0.140 | 10.387 | 0.140 | 10.411 | 0.648 | 10.460 | 0.699 | 10.468 | 0.850 |
| 7.291 | -0.008 | 7.300 | 0.020 | 7.308 | -0.126 | 7.317 | -0.396 | 10.434 | 0.752 | 10.449 | 0.447 | 10.513 | -0.192 | 10.526 | -0.408 |
| 7.331 | -0.625 | 7.342 | -0.757 | 7.358 | -0.856 | 7.374 | -0.965 | 10.485 | -0.192 | 10.511 | -0.137 | 10.561 | -0.588 | 10.572 | -0.317 |
| 7.380 | -0.888 | 7.393 | -0.597 | 7.405 | -0.312 | 7.426 | -0.117 | 10.553 | -0.665 | 10.560 | -0.713 | 10.625 | -0.483 | 10.648 | 0.608 |
| 7.440 | -0.075 | 7.455 | -0.026 | 7.477 | 0.154 | 7.488 | 0.266 | 10.598 | -0.091 | 10.609 | -0.234 | 10.683 | -0.274 | 10.700 | -0.252 |
| 7.494 | 0.314 | 7.506 | 0.196 | 7.520 | -0.095 | 7.541 | -0.505 | 10.659 | -0.489 | 10.663 | -0.359 | 10.735 | -0.620 | 10.764 | -0.654 |
| 7.551 | -0.748 | 7.568 | -0.873 | 7.574 | -0.609 | 7.598 | -0.289 | 10.714 | -0.412 | 10.735 | -0.620 | 10.799 | -0.202 | 10.836 | -0.319 |
| 7.608 | 0.003 | 7.622 | -0.253 | 7.623 | 0.302 | 7.633 | 0.274 | 10.784 | -0.333 | 10.798 | -0.243 | 10.866 | -0.137 | 10.878 | 0.019 |
| 7.648 | 0.142 | 7.652 | 0.066 | 7.664 | -0.108 | 7.681 | -0.233 | 10.852 | -0.335 | 10.856 | -0.242 | 10.932 | 0.137 | 10.954 | 0.053 |
| 7.699 | -0.462 | 7.714 | -0.705 | 7.733 | -0.926 | 7.747 | -0.926 | 10.968 | -0.141 | 10.981 | -0.210 | 10.997 | -0.168 | 11.007 | -0.049 |
| 7.755 | -0.738 | 7.762 | -0.544 | 7.783 | -0.418 | 7.796 | -0.335 | 11.019 | 0.059 | 11.042 | 0.132 | 11.051 | 0.174 | 11.065 | 0.307 |
| 7.810 | -0.147 | 7.818 | -0.063 | 7.835 | -0.195 | 7.855 | -0.341 | 11.070 | 0.272 | 11.093 | 0.065 | 11.102 | -0.095 | 11.113 | -0.192 |
| 7.880 | -0.361 | 7.899 | -0.368 | 7.910 | -0.326 | 7.932 | -0.257 | 11.134 | -0.143 | 11.156 | -0.253 | 11.177 | -0.384 | 11.190 | -0.425 |
| 7.957 | -0.258 | 7.979 | -0.279 | 7.992 | -0.286 | 8.000 | -0.266 | 11.134 | -0.143 | 11.156 | -0.253 | 11.177 | -0.384 | 11.190 | -0.425 |
| 8.015 | -0.329 | 8.032 | -0.301 | 8.047 | -0.128 | 8.067 | -0.052 | 11.213 | -0.350 | 11.225 | -0.348 | 11.240 | -0.306 | 11.265 | -0.291 |
| 8.085 | 0.037 | 8.096 | 0.182 | 8.125 | 0.632 | 8.130 | 0.833 | 11.277 | -0.214 | 11.290 | -0.110 | 11.301 | -0.026 | 11.319 | -0.075 |
| 8.143 | 0.916 | 8.151 | 0.873 | 8.159 | 0.741 | 8.177 | 0.448 | 11.330 | -0.241 | 11.350 | -0.407 | 11.366 | -0.518 | 11.379 | -0.532 |
| 8.180 | 0.253 | 8.156 | 0.106 | 8.216 | 0.196 | 8.225 | 0.410 | 11.399 | -0.288 | 11.410 | -0.073 | 11.428 | 0.115 | 11.440 | 0.226 |
| 8.241 | 0.688 | 8.256 | 0.785 | 8.265 | 0.826 | 8.285 | 0.694 | 11.446 | 0.220 | 11.459 | 0.220 | 11.475 | 0.227 | 11.505 | 0.366 |
| 8.290 | 0.542 | 8.304 | 0.471 | 8.320 | 0.838 | 8.332 | 0.443 | 11.515 | 0.318 | 11.528 | 0.250 | 11.541 | 0.339 | 11.557 | 0.394 |

| | | | | | | | | | | | | | | | |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 11.516 | 0.429 | 11.586 | 0.381 | 11.602 | 0.360 | 11.621 | 0.436 | 14.983 | -0.345 | 15.002 | -0.246 | 15.025 | -0.154 | 15.042 | -0.057 |
| 11.641 | 0.492 | 11.654 | 0.402 | 11.660 | 0.277 | 11.671 | 0.152 | 15.060 | -0.039 | 15.082 | -0.037 | 15.099 | -0.057 | 15.120 | 0.001 |
| 11.697 | 0.040 | 11.709 | -0.098 | 11.729 | -0.112 | 11.737 | -0.112 | 15.133 | 0.071 | 15.151 | 0.100 | 15.169 | 0.073 | 15.189 | 0.016 |
| 11.754 | -0.112 | 11.765 | -0.112 | 11.789 | -0.028 | 11.803 | -0.104 | 15.206 | 0.143 | 15.222 | 0.144 | 15.242 | 0.088 | 15.266 | 0.075 |
| 11.810 | -0.166 | 11.826 | -0.332 | 11.851 | -0.463 | 11.865 | -0.414 | 15.284 | 0.117 | 15.303 | 0.145 | 15.324 | 0.097 | 15.345 | 0.083 |
| 11.878 | -0.351 | 11.890 | -0.302 | 11.911 | -0.281 | 11.933 | -0.301 | 15.366 | 0.167 | 15.384 | 0.223 | 15.399 | 0.216 | 15.415 | 0.126 |
| 11.945 | -0.230 | 11.976 | -0.111 | 11.986 | -0.041 | 11.995 | 0.029 | 15.427 | 0.036 | 15.444 | 0.001 | 15.462 | 0.001 | 15.477 | 0.037 |
| 12.005 | 0.155 | 12.015 | 0.273 | 12.041 | 0.366 | 12.059 | 0.359 | 15.493 | 0.044 | 15.501 | 0.059 | 15.514 | 0.066 | 15.531 | 0.157 |
| 12.080 | 0.311 | 12.123 | 0.368 | 12.134 | 0.403 | 12.150 | 0.466 | 15.547 | 0.220 | 15.559 | 0.269 | 15.573 | 0.345 | 15.585 | 0.457 |
| 12.165 | 0.466 | 12.173 | 0.431 | 12.202 | 0.536 | 12.224 | 0.648 | 15.596 | 0.582 | 15.606 | 0.735 | 15.613 | 0.826 | 15.623 | 0.875 |
| 12.239 | 0.662 | 12.250 | 0.648 | 12.274 | 0.482 | 12.295 | 0.329 | 15.639 | 0.805 | 15.648 | 0.695 | 15.660 | 0.639 | 15.675 | 0.647 |
| 12.308 | 0.232 | 12.327 | 0.121 | 12.344 | -0.073 | 12.363 | -0.184 | 15.688 | 0.654 | 15.701 | 0.675 | 15.715 | 0.745 | 15.732 | 0.759 |
| 12.377 | -0.198 | 12.399 | -0.031 | 12.408 | -0.010 | 12.414 | 0.011 | 15.744 | 0.683 | 15.762 | 0.531 | 15.773 | 0.468 | 15.784 | 0.420 |
| 12.429 | -0.030 | 12.447 | -0.092 | 12.471 | -0.119 | 12.491 | -0.222 | 15.757 | 0.386 | 15.810 | 0.400 | 15.825 | 0.400 | 15.842 | 0.380 |
| 12.507 | -0.271 | 12.530 | -0.249 | 12.548 | -0.429 | 12.560 | -0.463 | 15.853 | 0.311 | 15.865 | 0.249 | 15.878 | 0.193 | 15.893 | 0.145 |
| 12.568 | -0.352 | 12.581 | -0.275 | 12.595 | -0.205 | 12.610 | -0.086 | 15.906 | 0.104 | 15.919 | 0.677 | 15.932 | 0.035 | 15.953 | 0.029 |
| 12.627 | 0.012 | 12.639 | 0.019 | 12.648 | -0.063 | 12.668 | -0.111 | 15.972 | 0.030 | 15.985 | 0.100 | 16.006 | 0.205 | 16.027 | 0.186 |
| 12.688 | -0.082 | 12.706 | -0.026 | 12.714 | 0.009 | 12.728 | 0.037 | 16.044 | 0.124 | 16.059 | 0.077 | 16.078 | 0.022 | 16.096 | 0.009 |
| 12.737 | 0.009 | *12.743 | -0.046 | 12.757 | -0.129 | 12.766 | -0.114 | 16.111 | 0.024 | 16.128 | -0.003 | 16.143 | -0.044 | 16.157 | -0.064 |
| 12.779 | -0.093 | 12.790 | -0.044 | 12.801 | -0.009 | 12.815 | 0.054 | 16.175 | 0.055 | 16.188 | 0.126 | 16.204 | 0.182 | 16.215 | 0.236 |
| 12.826 | 0.076 | 12.837 | 0.084 | 12.847 | 0.057 | 12.856 | 0.002 | 16.235 | 0.274 | 16.251 | 0.289 | 16.265 | 0.317 | 16.282 | 0.304 |
| 12.866 | -0.081 | 12.877 | -0.219 | 12.887 | -0.280 | 12.899 | -0.279 | 16.300 | 0.242 | 16.317 | 0.188 | 16.338 | 0.189 | 16.359 | 0.196 |
| 12.909 | -0.286 | 12.919 | -0.320 | 12.926 | -0.424 | 12.945 | -0.542 | 16.382 | 0.113 | 16.402 | 0.058 | 16.425 | -0.004 | 16.441 | -0.073 |
| 12.956 | -0.534 | 12.969 | -0.451 | 12.984 | -0.450 | 12.996 | -0.568 | 16.459 | -0.149 | 16.474 | -0.190 | 16.488 | -0.203 | 16.509 | -0.216 |
| 13.011 | -0.436 | 13.023 | -0.402 | 13.028 | -0.430 | 13.037 | -0.311 | 16.529 | -0.201 | 16.548 | -0.186 | 16.564 | -0.282 | 16.579 | -0.421 |
| 13.045 | -0.409 | 13.058 | -0.450 | 13.069 | -0.492 | 13.082 | -0.506 | 16.595 | -0.628 | 16.606 | -0.704 | 16.627 | -0.620 | 16.638 | -0.494 |
| 13.096 | -0.478 | 13.107 | -0.430 | 13.119 | -0.367 | 13.129 | -0.277 | 16.650 | -0.375 | 16.661 | -0.340 | 16.677 | -0.297 | 16.696 | -0.310 |
| 13.329 | 0.296 | 13.352 | 0.421 | 13.366 | 0.505 | 13.384 | 0.540 | 16.659 | -0.201 | 16.674 | -0.186 | 16.685 | -0.249 | 16.706 | -0.230 |
| 13.398 | 0.512 | 13.413 | 0.422 | 13.429 | 0.346 | 13.440 | 0.332 | 16.714 | -0.236 | 16.733 | -0.253 | 16.751 | -0.249 | 16.830 | -0.310 |
| 13.451 | 0.291 | 13.469 | 0.209 | 13.480 | 0.127 | 13.495 | 0.079 | 16.784 | -0.306 | 16.801 | -0.236 | 16.815 | -0.249 | 16.830 | -0.310 |
| 13.508 | 0.080 | 13.526 | 0.053 | 13.541 | 0.013 | 13.559 | 0.104 | 16.850 | -0.386 | 16.867 | -0.413 | 16.885 | -0.419 | 16.907 | -0.474 |
| 13.574 | 0.251 | 13.595 | 0.377 | 13.611 | 0.378 | 13.627 | 0.420 | 16.932 | -0.495 | 16.956 | -0.516 | 16.956 | -0.522 | 16.956 | -0.508 |
| 13.643 | 0.511 | 13.658 | 0.463 | 13.668 | 0.373 | 13.678 | 0.318 | 17.018 | -0.494 | 17.037 | -0.445 | 17.053 | -0.458 | 17.078 | -0.456 |
| 13.691 | 0.277 | 13.705 | 0.292 | 13.721 | 0.382 | 13.732 | 0.438 | 17.095 | -0.478 | 17.117 | -0.463 | 17.134 | -0.456 | 17.150 | -0.490 |
| 13.746 | 0.445 | 13.758 | 0.348 | 13.771 | 0.265 | 13.787 | 0.161 | 17.166 | -0.524 | 17.185 | -0.536 | 17.198 | -0.508 | 17.213 | -0.465 |
| 13.804 | 0.105 | 13.820 | 0.078 | 13.832 | 0.119 | 13.843 | 0.238 | 17.226 | -0.402 | 17.237 | -0.353 | 17.250 | -0.255 | 17.262 | -0.151 |
| 13.862 | 0.307 | 13.874 | 0.300 | 13.891 | 0.287 | 13.907 | 0.245 | 17.274 | -0.135 | 17.290 | -0.058 | 17.305 | 0.019 | 17.325 | 0.076 |
| 13.920 | 0.231 | 13.933 | 0.239 | 13.950 | 0.233 | 13.966 | 0.212 | 17.337 | 0.104 | 17.349 | 0.132 | 17.365 | 0.160 | 17.381 | 0.181 |
| 14.057 | 0.176 | 14.073 | 0.079 | 14.089 | 0.025 | 14.105 | 0.016 | 17.395 | 0.209 | 17.417 | 0.271 | 17.426 | 0.320 | 17.446 | 0.369 |
| 14.120 | -0.070 | 14.135 | -0.055 | 14.158 | 0.002 | 14.175 | -0.038 | 17.458 | 0.362 | 17.477 | 0.348 | 17.495 | 0.354 | 17.513 | 0.361 |
| 14.188 | -0.062 | 14.208 | -0.037 | 14.225 | 0.033 | 14.235 | 0.047 | 17.530 | 0.395 | 17.547 | 0.416 | 17.567 | 0.450 | 17.583 | 0.470 |
| 14.251 | 0.062 | 14.265 | 0.083 | 14.285 | 0.063 | 14.300 | 0.063 | 17.600 | 0.525 | 17.623 | 0.539 | 17.639 | 0.588 | 17.656 | 0.637 |
| 14.314 | 0.057 | 14.331 | 0.022 | 14.348 | -0.033 | 14.364 | -0.102 | 17.671 | 0.595 | 17.686 | 0.519 | 17.706 | 0.464 | 17.714 | 0.457 |
| 14.383 | -0.101 | 14.404 | -0.032 | 14.421 | -0.031 | 14.434 | -0.135 | 17.730 | 0.479 | 17.744 | 0.514 | 17.756 | 0.514 | 17.771 | 0.466 |
| 14.450 | -0.191 | 14.466 | -0.156 | 14.482 | -0.072 | 14.497 | -0.002 | 17.785 | 0.418 | 17.797 | 0.358 | 17.813 | 0.448 | 17.826 | 0.469 |
| 14.510 | -0.002 | 14.523 | -0.050 | 14.533 | -0.064 | 14.548 | -0.064 | 17.845 | 0.691 | 17.865 | 0.506 | 17.886 | 0.528 | 17.911 | 0.585 |
| 14.563 | -0.063 | 14.572 | -0.084 | 14.585 | -0.125 | 14.597 | -0.222 | 17.936 | 0.607 | 17.953 | 0.510 | 17.970 | 0.433 | 17.989 | 0.406 |
| 14.605 | -0.347 | 14.618 | -0.465 | 14.634 | -0.485 | 14.647 | -0.485 | 18.004 | 0.392 | 18.018 | 0.344 | 18.033 | 0.295 | 18.051 | 0.219 |
| 14.659 | -0.498 | 14.681 | -0.511 | 14.696 | -0.532 | 14.720 | -0.552 | 18.069 | 0.177 | 18.089 | 0.150 | 18.112 | 0.101 | 18.126 | 0.032 |
| 14.737 | -0.559 | 14.753 | -0.516 | 14.771 | -0.537 | 14.790 | -0.599 | 18.137 | -0.011 | 18.155 | -0.060 | 18.168 | -0.129 | 18.184 | -0.054 |
| 14.819 | -0.619 | 14.840 | -0.646 | 14.863 | -0.646 | 14.885 | -0.617 | 18.200 | -0.081 | 18.218 | -0.067 | 18.241 | -0.060 | 18.262 | -0.039 |
| 14.905 | -0.629 | 14.923 | -0.669 | 14.945 | -0.528 | 14.963 | -0.423 | 18.285 | -0.039 | 18.304 | -0.080 | 18.323 | -0.122 | 18.343 | -0.142 |
| | | | | | | | | 18.361 | -0.177 | 18.382 | -0.225 | 18.406 | -0.280 | 18.422 | -0.219 |
| | | | | | | | | 18.442 | -0.257 | 18.464 | -0.180 | 18.483 | -0.165 | 18.501 | -0.152 |
| | | | | | | | | 18.517 | -0.191 | 18.536 | -0.170 | 18.556 | -0.210 | 18.578 | -0.286 |
| | | | | | | | | 18.599 | -0.341 | 18.616 | -0.375 | 18.638 | -0.388 | 18.654 | -0.361 |
| | | | | | | | | 18.675 | -0.374 | 18.692 | -0.471 | 18.706 | -0.547 | 18.716 | -0.624 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 18.731 | -0.693 | 18.743 | -0.713 | 18.757 | -0.713 | 18.771 | -0.672 | 23.031 | -0.094 | 23.054 | -0.099 | 23.081 | -0.089 | 23.104 | -0.086 |
| 18.786 | -0.644 | 18.799 | -0.616 | 18.813 | -0.560 | 18.828 | -0.505 | 23.124 | -0.112 | 23.144 | -0.110 | 23.167 | -0.087 | 23.186 | -0.071 |
| 18.845 | -0.484 | 18.867 | -0.443 | 18.883 | -0.401 | 18.898 | -0.373 | 23.208 | -0.034 | 23.231 | -0.030 | 23.249 | -0.101 | 23.262 | -0.171 |
| 18.914 | -0.339 | 18.926 | -0.304 | 18.945 | -0.291 | 18.963 | -0.229 | 23.290 | -0.133 | 23.313 | -0.090 | 23.337 | -0.105 | 23.362 | -0.175 |
| 18.973 | -0.180 | 18.984 | -0.132 | 19.000 | -0.118 | 19.016 | -0.118 | 23.387 | -0.211 | 23.407 | -0.164 | 23.423 | -0.151 | 23.435 | -0.151 |
| 19.030 | -0.057 | 19.046 | -0.042 | 19.058 | -0.021 | 19.076 | -0.056 | 23.445 | -0.152 | 23.469 | -0.146 | 23.489 | -0.168 | 23.511 | -0.204 |
| 19.093 | -0.083 | 19.111 | -0.147 | 19.129 | -0.162 | 19.142 | -0.183 | 23.531 | -0.152 | 23.552 | -0.102 | 23.581 | -0.075 | 23.605 | -0.075 |
| 19.161 | -0.191 | 19.180 | -0.213 | 19.193 | -0.249 | 19.209 | -0.366 | 23.623 | -0.055 | 23.641 | -0.041 | 23.668 | -0.007 | 23.697 | -0.000 |
| 19.230 | -0.335 | 19.247 | -0.308 | 19.263 | -0.295 | 19.277 | -0.296 | 23.722 | -0.028 | 23.745 | -0.035 | 23.766 | -0.048 | 23.795 | -0.076 |
| 19.288 | -0.250 | 19.302 | -0.221 | 19.320 | -0.139 | 19.337 | -0.112 | 23.821 | -0.089 | 23.851 | -0.103 | 23.886 | -0.118 | 23.908 | -0.161 |
| 19.352 | -0.113 | 19.367 | -0.114 | 19.380 | -0.108 | 19.396 | -0.109 | 23.940 | -0.107 | 23.968 | -0.054 | 23.991 | -0.129 | 24.016 | -0.137 |
| 19.409 | -0.110 | 19.432 | -0.152 | 19.450 | -0.173 | 19.471 | -0.195 | 24.040 | -0.089 | 24.055 | -0.063 | 24.082 | -0.119 | 24.103 | -0.121 |
| 19.486 | -0.202 | 19.504 | -0.210 | 19.514 | -0.196 | 19.532 | -0.196 | 24.130 | -0.067 | 24.151 | -0.068 | 24.172 | -0.083 | 24.196 | -0.077 |
| 19.554 | -0.232 | 19.574 | -0.316 | 19.595 | -0.414 | 19.614 | -0.463 | 24.221 | -0.065 | 24.242 | -0.044 | 24.267 | -0.003 | 24.284 | -0.003 |
| 19.637 | -0.491 | 19.662 | -0.471 | 19.682 | -0.437 | 19.704 | -0.459 | 24.307 | -0.010 | 24.328 | -0.010 | 24.348 | -0.003 | 24.373 | -0.031 |
| 19.804 | -0.178 | 19.822 | -0.165 | 19.845 | -0.146 | 19.865 | -0.071 | 24.396 | -0.002 | 24.506 | -0.033 | 24.529 | -0.013 | 24.555 | -0.029 |
| 19.883 | -0.017 | 19.904 | -0.031 | 19.920 | -0.065 | 19.944 | -0.105 | 24.579 | -0.027 | 24.597 | -0.028 | 24.624 | -0.048 | 24.648 | -0.076 |
| 19.962 | -0.126 | 19.980 | -0.132 | 19.999 | -0.138 | 20.023 | -0.102 | 24.670 | -0.082 | 24.695 | -0.074 | 24.716 | -0.109 | 24.737 | -0.129 |
| 20.042 | -0.087 | 20.059 | -0.121 | 20.081 | -0.041 | 20.102 | -0.019 | 24.760 | -0.122 | 24.782 | -0.149 | 24.807 | -0.189 | 24.830 | -0.181 |
| 20.122 | -0.026 | 20.141 | -0.005 | 20.163 | -0.051 | 20.184 | -0.087 | 24.851 | -0.294 | 24.871 | -0.245 | 24.891 | -0.260 | 24.910 | -0.301 |
| 20.210 | -0.010 | 20.234 | -0.093 | 20.255 | -0.121 | 20.276 | -0.115 | 24.928 | -0.194 | 24.948 | -0.172 | 24.967 | -0.129 | 24.989 | -0.128 |
| 20.293 | -0.108 | 20.314 | -0.074 | 20.329 | -0.074 | 20.346 | -0.068 | 25.010 | -0.133 | 25.041 | -0.110 | 25.066 | -0.067 | 25.087 | -0.038 |
| 20.365 | -0.048 | 20.386 | -0.014 | 20.403 | -0.068 | 20.427 | -0.114 | 25.108 | -0.009 | 25.133 | -0.041 | 25.148 | -0.084 | 25.169 | -0.134 |
| 20.449 | -0.147 | 20.468 | -0.187 | 20.490 | -0.233 | 20.510 | -0.315 | 25.187 | -0.149 | 25.201 | -0.136 | 25.224 | -0.095 | 25.240 | -0.090 |
| 20.529 | -0.377 | 20.550 | -0.418 | 20.572 | -0.438 | 20.591 | -0.437 | 25.266 | -0.112 | 25.287 | -0.145 | 25.308 | -0.171 | 25.323 | -0.173 |
| 20.605 | -0.437 | 20.614 | -0.437 | 20.639 | -0.423 | 20.658 | -0.437 | 25.338 | -0.188 | 25.359 | -0.192 | 25.374 | -0.180 | 25.392 | -0.155 |
| 20.685 | -0.375 | 20.700 | -0.243 | 20.724 | -0.139 | 20.747 | -0.084 | 25.408 | -0.130 | 25.421 | -0.126 | 25.438 | -0.129 | 25.458 | -0.126 |
| 20.772 | -0.063 | 20.793 | -0.029 | 20.810 | -0.015 | 20.829 | -0.029 | 25.478 | -0.116 | 25.497 | -0.126 | 25.518 | -0.115 | 25.537 | -0.112 |
| 20.850 | -0.084 | 20.866 | -0.111 | 20.885 | -0.068 | 20.909 | -0.060 | 25.558 | -0.108 | 25.580 | -0.121 | 25.597 | -0.100 | 25.619 | -0.131 |
| 20.932 | -0.052 | 20.950 | -0.030 | 20.977 | -0.076 | 20.994 | -0.102 | 25.635 | -0.154 | 25.650 | -0.170 | 25.665 | -0.193 | 25.680 | -0.244 |
| 21.015 | -0.078 | 21.031 | -0.043 | 21.048 | -0.062 | 21.070 | -0.151 | 25.692 | -0.267 | 25.701 | -0.241 | 25.717 | -0.168 | 25.732 | -0.129 |
| 21.090 | -0.192 | 21.111 | -0.217 | 21.130 | -0.161 | 21.155 | -0.048 | 25.748 | -0.119 | 25.765 | -0.168 | 25.779 | -0.125 | 25.796 | -0.142 |
| 21.178 | -0.020 | 21.196 | -0.048 | 21.212 | -0.048 | 21.235 | -0.008 | 25.809 | -0.123 | 25.824 | -0.090 | 25.841 | -0.044 | 25.854 | -0.032 |
| 21.251 | -0.098 | 21.273 | -0.090 | 21.291 | -0.076 | 21.310 | -0.062 | 25.870 | -0.013 | 25.888 | -0.000 | 25.899 | -0.022 | 25.912 | -0.037 |
| 21.331 | -0.096 | 21.354 | -0.130 | 21.377 | -0.129 | 21.394 | -0.185 | 25.925 | -0.024 | 25.939 | -0.003 | 25.954 | -0.043 | 25.969 | -0.076 |
| 21.409 | -0.269 | 21.424 | -0.311 | 21.438 | -0.339 | 21.455 | -0.312 | 25.983 | -0.089 | 26.005 | -0.114 | 26.018 | -0.113 | 26.035 | -0.118 |
| 21.474 | -0.264 | 21.495 | -0.243 | 21.514 | -0.292 | 21.532 | -0.314 | 26.052 | -0.130 | 26.071 | -0.128 | 26.092 | -0.133 | 26.107 | -0.152 |
| 21.551 | -0.329 | 21.567 | -0.331 | 21.584 | -0.234 | 21.606 | -0.355 | 26.123 | -0.136 | 26.144 | -0.107 | 26.155 | -0.083 | 26.171 | -0.088 |
| 21.617 | -0.349 | 21.633 | -0.288 | 21.648 | -0.234 | 21.672 | -0.160 | 26.189 | -0.086 | 26.208 | -0.069 | 26.222 | -0.040 | 26.239 | -0.037 |
| 21.689 | -0.154 | 21.709 | -0.169 | 21.734 | -0.197 | 21.759 | -0.218 | 26.251 | -0.050 | 26.271 | -0.082 | 26.288 | -0.100 | 26.306 | -0.091 |
| 21.777 | -0.231 | 21.793 | -0.231 | 21.810 | -0.238 | 21.820 | -0.238 | 26.322 | -0.096 | 26.340 | -0.135 | 26.353 | -0.175 | 26.363 | -0.188 |
| 21.834 | -0.231 | 21.850 | -0.204 | 21.872 | -0.162 | 21.886 | -0.134 | 26.374 | -0.159 | 26.399 | -0.094 | 26.402 | -0.058 | 26.418 | -0.056 |
| 21.906 | -0.079 | 21.925 | -0.086 | 21.945 | -0.183 | 21.965 | -0.280 | 26.430 | -0.054 | 26.447 | -0.052 | 26.465 | -0.050 | 26.478 | -0.048 |
| 21.985 | -0.259 | 22.003 | -0.190 | 22.019 | -0.156 | 22.040 | -0.163 | 26.450 | -0.046 | 26.509 | -0.051 | 26.526 | -0.042 | 26.540 | -0.019 |
| 22.059 | -0.163 | 22.079 | -0.128 | 22.097 | -0.080 | 22.112 | -0.066 | 26.556 | -0.003 | 26.570 | -0.001 | 26.586 | -0.060 | 26.653 | -0.062 |
| 22.129 | -0.052 | 22.155 | -0.025 | 22.177 | -0.002 | 22.203 | -0.008 | 26.612 | -0.020 | 26.627 | -0.043 | 26.642 | -0.060 | 26.653 | -0.062 |
| 22.231 | -0.028 | 22.256 | -0.069 | 22.274 | -0.089 | 22.299 | -0.137 | 26.669 | -0.044 | 26.684 | -0.011 | 26.700 | -0.000 | 26.714 | -0.016 |
| 22.319 | -0.178 | 22.338 | -0.157 | 22.357 | -0.114 | 22.379 | -0.148 | 26.730 | -0.050 | 26.747 | -0.064 | 26.761 | -0.045 | 26.776 | -0.034 |
| 22.399 | -0.189 | 22.419 | -0.250 | 22.446 | -0.222 | 22.473 | -0.214 | 26.796 | -0.051 | 26.815 | -0.061 | 26.834 | -0.078 | 26.850 | -0.095 |
| 22.495 | -0.233 | 22.511 | -0.275 | 22.530 | -0.281 | 22.547 | -0.266 | 26.864 | -0.117 | 26.891 | -0.119 | 26.911 | -0.114 | 26.905 | -0.074 |
| 22.570 | -0.252 | 22.594 | -0.237 | 22.618 | -0.236 | 22.635 | -0.222 | 26.920 | -0.062 | 26.934 | -0.064 | 26.951 | -0.066 | 26.966 | -0.068 |
| 22.655 | -0.257 | 22.675 | -0.264 | 22.700 | -0.216 | 22.721 | -0.188 | 26.985 | -0.036 | 27.001 | -0.017 | 27.015 | -0.002 | 27.038 | -0.007 |
| 22.746 | -0.133 | 22.774 | -0.112 | 22.792 | -0.119 | 22.813 | -0.119 | 27.057 | -0.002 | 27.072 | -0.011 | 27.088 | -0.012 | 27.104 | -0.028 |
| 22.838 | -0.084 | 22.864 | -0.008 | 22.893 | -0.049 | 22.915 | -0.042 | 27.125 | -0.030 | 27.144 | -0.032 | 27.167 | -0.035 | 27.186 | -0.037 |
| 22.935 | -0.007 | 22.955 | -0.023 | 22.984 | -0.002 | 23.007 | -0.069 | 27.204 | -0.032 | 27.222 | -0.055 | 27.240 | -0.057 | 27.253 | -0.044 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27.272 | 0.019 | 27.281 | 0.021 | 27.292 | 0.037 | 27.310 | 0.062 | 30.746 | -0.037 | 30.764 | -0.040 | 30.781 | -0.023 | 30.799 | -0.027 |
| 27.328 | 0.079 | 27.340 | 0.075 | 27.357 | 0.058 | 27.370 | 0.053 | 30.815 | -0.030 | 30.835 | -0.054 | 30.854 | -0.079 | 30.870 | -0.082 |
| 27.387 | 0.084 | 27.401 | 0.101 | 27.413 | 0.111 | 27.426 | 0.086 | 30.891 | -0.086 | 30.908 | -0.062 | 30.925 | -0.053 | 30.943 | -0.077 |
| 27.438 | 0.034 | 27.454 | 0.030 | 27.471 | 0.020 | 27.491 | 0.004 | 30.963 | -0.067 | 30.984 | -0.070 | 31.000 | -0.075 | 31.018 | -0.107 |
| 27.507 | -0.007 | 27.524 | -0.003 | 27.543 | -0.020 | 27.559 | -0.039 | 31.037 | -0.111 | 31.055 | -0.108 | 31.073 | -0.058 | 31.088 | -0.075 |
| 27.576 | -0.043 | 27.594 | -0.048 | 27.612 | -0.032 | 27.623 | -0.030 | 31.103 | -0.066 | 31.119 | -0.071 | 31.132 | -0.090 | 31.150 | -0.102 |
| 27.635 | -0.042 | 27.653 | -0.061 | 27.672 | -0.072 | 27.695 | -0.083 | 31.162 | -0.086 | 31.179 | -0.063 | 31.191 | -0.068 | 31.205 | -0.073 |
| 27.711 | -0.088 | 27.725 | -0.073 | 27.744 | -0.057 | 27.763 | -0.076 | 31.224 | -0.094 | 31.238 | -0.103 | 31.255 | -0.086 | 31.272 | -0.083 |
| 27.778 | -0.053 | 27.792 | -0.072 | 27.804 | -0.085 | 27.818 | -0.048 | 31.288 | -0.094 | 31.304 | -0.105 | 31.317 | -0.131 | 31.332 | -0.128 |
| 27.833 | -0.046 | 27.847 | -0.030 | 27.868 | -0.041 | 27.884 | -0.045 | 31.345 | -0.140 | 31.362 | -0.116 | 31.377 | -0.114 | 31.393 | -0.104 |
| 27.899 | -0.043 | 27.915 | -0.054 | 27.931 | -0.058 | 27.944 | -0.056 | 31.409 | -0.088 | 31.426 | -0.071 | 31.443 | -0.075 | 31.462 | -0.079 |
| 27.956 | -0.075 | 27.970 | -0.087 | 27.984 | -0.071 | 27.997 | -0.048 | 31.478 | -0.077 | 31.493 | -0.074 | 31.508 | -0.044 | 31.526 | -0.034 |
| 28.015 | -0.031 | 28.026 | -0.030 | 28.036 | -0.042 | 28.054 | -0.066 | 31.539 | -0.025 | 31.557 | -0.029 | 31.575 | -0.040 | 31.590 | -0.018 |
| 28.069 | -0.077 | 28.083 | -0.089 | 28.097 | -0.079 | 28.110 | -0.076 | 31.610 | -0.001 | 31.626 | 0.002 | 31.644 | 0.032 | 31.657 | 0.034 |
| 28.118 | -0.061 | 28.137 | -0.057 | 28.155 | -0.068 | 28.169 | -0.073 | 31.671 | 0.031 | 31.686 | 0.024 | 31.703 | 0.040 | 31.717 | 0.042 |
| 28.185 | -0.090 | 28.198 | -0.060 | 28.211 | -0.043 | 28.229 | -0.033 | 31.732 | 0.058 | 31.747 | 0.074 | 31.763 | 0.076 | 31.784 | 0.079 |
| 28.250 | -0.029 | 28.267 | -0.033 | 28.286 | -0.023 | 28.306 | -0.012 | 31.802 | 0.082 | 31.822 | 0.085 | 31.838 | 0.101 | 31.855 | 0.048 |
| 28.323 | -0.023 | 28.339 | -0.020 | 28.353 | -0.025 | 28.369 | -0.001 | 31.868 | 0.036 | 31.884 | 0.038 | 31.903 | 0.034 | 31.917 | 0.036 |
| 28.385 | 0.009 | 28.402 | 0.012 | 28.421 | 0.015 | 28.439 | 0.004 | 31.933 | 0.025 | 31.952 | 0.034 | 31.974 | 0.024 | 31.989 | 0.019 |
| 28.452 | 0.006 | 28.465 | 0.015 | 28.479 | 0.038 | 28.494 | 0.061 | 32.004 | 0.022 | 32.017 | 0.038 | 32.033 | 0.047 | 32.048 | 0.057 |
| 28.507 | 0.064 | 28.521 | 0.066 | 28.537 | 0.068 | 28.555 | 0.085 | 32.064 | 0.059 | 32.078 | 0.061 | 32.091 | 0.091 | 32.106 | 0.108 |
| 28.574 | 0.123 | 28.591 | 0.154 | 28.605 | 0.170 | 28.620 | 0.172 | 32.118 | 0.106 | 32.131 | 0.105 | 32.147 | 0.101 | 32.165 | 0.103 |
| 28.634 | 0.168 | 28.650 | 0.148 | 28.665 | 0.157 | 28.679 | 0.115 | 32.181 | 0.103 | 32.199 | 0.102 | 32.213 | 0.111 | 32.231 | 0.107 |
| 28.690 | 0.124 | 28.705 | 0.145 | 28.718 | 0.132 | 28.731 | 0.167 | 32.247 | 0.089 | 32.268 | 0.093 | 32.284 | 0.082 | 32.303 | 0.078 |
| 28.807 | 0.155 | 28.824 | 0.129 | 28.836 | 0.120 | 28.849 | 0.116 | 32.323 | 0.081 | 32.342 | 0.085 | 32.363 | 0.081 | 32.381 | 0.084 |
| 28.862 | 0.123 | 28.875 | 0.090 | 28.889 | 0.072 | 28.899 | 0.074 | 32.401 | 0.102 | 32.416 | 0.104 | 32.434 | 0.080 | 32.453 | 0.076 |
| 28.913 | 0.091 | 28.927 | 0.093 | 28.940 | 0.082 | 28.957 | 0.064 | 32.470 | 0.107 | 32.484 | 0.095 | 32.501 | 0.084 | 32.517 | 0.073 |
| 28.975 | 0.024 | 28.994 | 0.012 | 29.007 | 0.007 | 29.027 | 0.002 | 32.538 | 0.077 | 32.558 | 0.074 | 32.574 | 0.055 | 32.593 | 0.045 |
| 29.044 | 0.004 | 29.058 | 0.012 | 29.072 | 0.021 | 29.086 | 0.022 | 32.609 | 0.033 | 32.628 | 0.036 | 32.648 | 0.026 | 32.670 | 0.016 |
| 29.099 | 0.024 | 29.113 | 0.012 | 29.129 | 0.007 | 29.149 | -0.012 | 32.687 | 0.011 | 32.707 | -0.001 | 32.729 | -0.003 | 32.745 | -0.007 |
| 29.170 | -0.009 | 29.189 | -0.021 | 29.210 | -0.032 | 29.231 | -0.051 | 32.770 | -0.004 | 32.790 | -0.008 | 32.810 | -0.026 | 32.829 | -0.031 |
| 29.247 | -0.076 | 29.265 | -0.108 | 29.278 | -0.120 | 29.292 | -0.103 | 32.845 | -0.029 | 32.860 | -0.033 | 32.877 | -0.038 | 32.898 | -0.077 |
| 29.305 | -0.094 | 29.323 | -0.063 | 29.335 | -0.054 | 29.351 | -0.065 | 32.912 | -0.096 | 32.932 | -0.121 | 32.949 | -0.126 | 32.963 | -0.118 |
| 29.366 | -0.076 | 29.378 | -0.088 | 29.395 | -0.057 | 29.408 | -0.034 | 32.978 | -0.067 | 32.990 | -0.038 | 33.003 | -0.023 | 33.013 | -0.021 |
| 29.419 | -0.032 | 29.432 | -0.036 | 29.446 | -0.048 | 29.457 | -0.039 | 33.030 | -0.026 | 33.043 | -0.025 | 33.054 | -0.023 | 33.067 | -0.008 |
| 29.473 | -0.015 | 29.485 | -0.013 | 29.497 | -0.011 | 29.512 | -0.050 | 33.080 | -0.000 | 33.095 | -0.026 | 33.108 | -0.052 | 33.122 | -0.058 |
| 29.524 | -0.089 | 29.539 | -0.100 | 29.556 | -0.139 | 29.571 | -0.164 | 33.138 | -0.063 | 33.153 | -0.050 | 33.164 | -0.089 | 33.181 | -0.087 |
| 29.586 | -0.189 | 29.598 | -0.201 | 29.614 | -0.198 | 29.633 | -0.159 | 33.195 | -0.086 | 33.211 | -0.064 | 33.225 | -0.076 | 33.240 | -0.074 |
| 29.646 | -0.129 | 29.658 | -0.113 | 29.668 | -0.097 | 29.686 | -0.108 | 33.256 | -0.087 | 33.271 | -0.059 | 33.289 | -0.105 | 33.307 | -0.102 |
| 29.699 | -0.119 | 29.716 | -0.110 | 29.736 | -0.079 | 29.750 | -0.063 | 33.327 | -0.086 | 33.341 | -0.064 | 33.354 | -0.096 | 33.368 | -0.136 |
| 29.767 | -0.046 | 29.787 | -0.030 | 29.806 | -0.013 | 29.822 | -0.011 | 33.382 | -0.141 | 33.394 | -0.118 | 33.408 | -0.096 | 33.423 | -0.073 |
| 29.837 | -0.022 | 29.855 | -0.041 | 29.871 | -0.024 | 29.887 | -0.022 | 33.436 | -0.050 | 33.452 | -0.004 | 33.466 | -0.025 | 33.481 | -0.043 |
| 29.900 | 0.008 | 29.917 | 0.024 | 29.934 | 0.026 | 29.950 | 0.021 | 33.499 | -0.054 | 33.518 | -0.057 | 33.534 | -0.051 | 33.546 | -0.038 |
| 29.966 | 0.030 | 29.980 | 0.052 | 29.998 | 0.054 | 30.023 | 0.071 | 33.555 | -0.002 | 33.565 | 0.007 | 33.576 | -0.012 | 33.593 | -0.058 |
| 30.042 | 0.080 | 30.055 | 0.089 | 30.073 | 0.091 | 30.088 | 0.086 | 33.610 | -0.034 | 33.627 | -0.024 | 33.645 | -0.027 | 33.666 | -0.003 |
| 30.104 | 0.087 | 30.117 | 0.056 | 30.133 | 0.119 | 30.151 | 0.136 | 33.681 | -0.030 | 33.699 | -0.010 | 33.715 | -0.022 | 33.729 | -0.040 |
| 30.163 | 0.159 | 30.174 | 0.140 | 30.190 | 0.136 | 30.205 | 0.138 | 33.741 | -0.052 | 33.758 | -0.035 | 33.773 | 0.009 | 33.787 | 0.026 |
| 30.220 | 0.147 | 30.238 | 0.157 | 30.256 | 0.181 | 30.270 | 0.183 | 33.804 | 0.029 | 33.820 | 0.032 | 33.836 | 0.055 | 33.852 | 0.058 |
| 30.291 | 0.186 | 30.307 | 0.182 | 30.323 | 0.170 | 30.340 | 0.159 | 33.869 | 0.061 | 33.885 | 0.099 | 33.900 | 0.143 | 33.914 | 0.152 |
| 30.355 | 0.154 | 30.373 | 0.143 | 30.391 | 0.139 | 30.408 | 0.141 | 33.928 | 0.136 | 33.942 | 0.115 | 33.953 | 0.117 | 33.965 | 0.106 |
| 30.422 | 0.143 | 30.440 | 0.146 | 30.458 | 0.156 | 30.476 | 0.179 | 33.978 | 0.136 | 33.992 | 0.166 | 34.008 | 0.181 | 34.028 | 0.156 |
| 30.492 | 0.155 | 30.505 | 0.183 | 30.521 | 0.151 | 30.537 | 0.118 | 34.049 | 0.144 | 34.065 | 0.091 | 34.079 | 0.057 | 34.094 | 0.024 |
| 30.553 | 0.100 | 30.570 | 0.095 | 30.587 | 0.091 | 30.605 | 0.072 | 34.108 | 0.047 | 34.122 | 0.050 | 34.134 | 0.113 | 34.146 | 0.121 |
| 30.622 | 0.054 | 30.637 | 0.049 | 30.653 | 0.058 | 30.672 | 0.040 | 34.159 | 0.109 | 34.176 | 0.063 | 34.190 | 0.037 | 34.206 | 0.060 |
| 30.687 | 0.015 | 30.702 | -0.010 | 30.714 | -0.036 | 30.731 | -0.032 | 34.222 | 0.111 | 34.235 | 0.168 | 34.246 | 0.191 | 34.258 | 0.158 |
| | | | | | | | | 34.274 | 0.118 | 34.291 | 0.107 | 34.305 | 0.111 | 34.327 | 0.121 |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 34.346 | 0.110 | 34.367 | 0.093 | 34.381 | 0.068 | 34.395 | 0.049 | 37.691 | 0.206 | 37.705 | 0.214 | 37.715 | 0.202 | 37.734 | 0.170 |
| 34.409 | 0.059 | 34.425 | 0.082 | 34.440 | 0.106 | 34.452 | 0.115 | 37.748 | 0.158 | 37.763 | 0.174 | 37.777 | 0.176 | 37.789 | 0.184 |
| 34.465 | 0.056 | 34.480 | 0.076 | 34.498 | 0.057 | 34.517 | 0.052 | 37.802 | 0.172 | 37.815 | 0.139 | 37.828 | 0.141 | 37.841 | 0.136 |
| 34.535 | 0.047 | 34.552 | 0.049 | 34.565 | 0.057 | 34.579 | 0.038 | 37.855 | 0.145 | 37.867 | 0.160 | 37.880 | 0.169 | 37.893 | 0.171 |
| 34.555 | 0.012 | 34.612 | 0.006 | 34.625 | 0.013 | 34.642 | 0.053 | 37.907 | 0.166 | 37.921 | 0.157 | 37.937 | 0.157 | 37.952 | 0.152 |
| 34.658 | -0.092 | 34.673 | -0.077 | 34.690 | -0.047 | 34.703 | -0.031 | 37.967 | 0.148 | 37.985 | 0.157 | 37.998 | 0.180 | 38.013 | 0.189 |
| 34.718 | -0.044 | 34.735 | -0.083 | 34.755 | -0.109 | 34.768 | -0.142 | 38.024 | 0.170 | 38.035 | 0.158 | 38.049 | 0.132 | 38.063 | 0.113 |
| 34.784 | -0.119 | 34.801 | -0.116 | 34.819 | -0.127 | 34.838 | -0.130 | 38.077 | 0.122 | 38.092 | 0.118 | 38.108 | 0.113 | 38.124 | 0.123 |
| 34.858 | -0.126 | 34.873 | -0.109 | 34.890 | -0.099 | 34.906 | -0.103 | 38.139 | 0.125 | 38.153 | 0.120 | 38.173 | 0.109 | 38.192 | 0.105 |
| 34.922 | -0.086 | 34.933 | -0.077 | 34.950 | -0.088 | 34.969 | -0.105 | 38.211 | 0.101 | 38.228 | 0.103 | 38.244 | 0.098 | 38.260 | 0.101 |
| 35.061 | -0.102 | 35.079 | -0.105 | 35.094 | -0.102 | 35.112 | -0.106 | 38.274 | 0.082 | 38.287 | 0.070 | 38.301 | 0.051 | 38.314 | 0.032 |
| 35.128 | -0.089 | 35.146 | -0.072 | 35.160 | -0.070 | 35.175 | -0.075 | 38.387 | -0.020 | 38.400 | -0.046 | 38.412 | -0.037 | 38.424 | -0.015 |
| 35.189 | -0.079 | 35.204 | -0.070 | 35.220 | -0.047 | 35.234 | -0.031 | 38.439 | 0.002 | 38.448 | 0.010 | 38.460 | -0.009 | 38.472 | -0.021 |
| 35.249 | -0.035 | 35.263 | -0.054 | 35.275 | -0.066 | 35.287 | -0.057 | 38.485 | -0.026 | 38.499 | -0.052 | 38.514 | -0.063 | 38.526 | -0.075 |
| 35.302 | -0.048 | 35.318 | -0.039 | 35.333 | -0.037 | 35.348 | -0.042 | 38.540 | -0.080 | 38.554 | -0.055 | 38.567 | -0.025 | 38.580 | -0.144 |
| 35.363 | -0.046 | 35.378 | -0.051 | 35.393 | -0.056 | 35.407 | -0.040 | 38.595 | -0.162 | 38.608 | -0.160 | 38.624 | -0.151 | 38.640 | -0.148 |
| 35.423 | -0.010 | 35.439 | 0.041 | 35.453 | 0.050 | 35.466 | 0.038 | 38.654 | -0.146 | 38.665 | -0.158 | 38.680 | -0.156 | 38.692 | -0.161 |
| 35.482 | 0.034 | 35.499 | 0.058 | 35.512 | 0.074 | 35.526 | 0.090 | 38.707 | -0.166 | 38.725 | -0.170 | 38.741 | -0.167 | 38.756 | -0.172 |
| 35.542 | 0.100 | 35.558 | 0.102 | 35.571 | 0.070 | 35.588 | 0.065 | 38.772 | -0.163 | 38.785 | -0.147 | 38.802 | -0.137 | 38.815 | -0.142 |
| 35.601 | 0.068 | 35.611 | 0.083 | 35.627 | 0.100 | 35.643 | 0.116 | 38.831 | -0.140 | 38.846 | -0.145 | 38.860 | -0.122 | 38.875 | -0.099 |
| 35.662 | 0.119 | 35.675 | 0.121 | 35.689 | 0.137 | 35.707 | 0.160 | 38.889 | -0.104 | 38.901 | -0.109 | 38.917 | -0.128 | 38.931 | -0.132 |
| 35.724 | 0.170 | 35.738 | 0.165 | 35.752 | 0.139 | 35.767 | 0.127 | 38.946 | -0.130 | 38.959 | -0.135 | 38.975 | -0.146 | 38.989 | -0.144 |
| 35.778 | 0.122 | 35.789 | 0.117 | 35.801 | 0.125 | 35.814 | 0.134 | 39.003 | -0.121 | 39.016 | -0.112 | 39.029 | -0.109 | 39.045 | -0.093 |
| 35.827 | 0.143 | 35.838 | 0.166 | 35.849 | 0.174 | 35.861 | 0.176 | 39.061 | -0.090 | 39.074 | -0.092 | 39.090 | -0.096 | 39.104 | -0.083 |
| 35.872 | 0.157 | 35.884 | 0.138 | 35.900 | 0.134 | 35.913 | 0.150 | 39.120 | -0.102 | 39.135 | -0.092 | 39.151 | -0.096 | 39.168 | -0.087 |
| 35.927 | 0.156 | 35.943 | 0.155 | 35.960 | 0.137 | 35.978 | 0.146 | 39.185 | -0.070 | 39.204 | -0.059 | 39.221 | -0.036 | 39.239 | -0.019 |
| 35.993 | 0.156 | 36.011 | 0.166 | 36.024 | 0.175 | 36.038 | 0.171 | 39.253 | -0.009 | 39.273 | -0.006 | 39.286 | 0.003 | 39.300 | 0.027 |
| 36.055 | 0.147 | 36.073 | 0.122 | 36.092 | 0.105 | 36.107 | 0.094 | 39.312 | 0.045 | 39.327 | 0.059 | 39.343 | 0.047 | 39.357 | 0.036 |
| 36.127 | 0.070 | 36.140 | 0.065 | 36.159 | 0.034 | 36.178 | 0.024 | 39.372 | 0.010 | 39.385 | 0.026 | 39.400 | 0.049 | 39.413 | 0.072 |
| 36.194 | 0.020 | 36.208 | -0.005 | 36.219 | -0.003 | 36.235 | 0.013 | 39.428 | 0.102 | 39.442 | 0.104 | 39.456 | 0.114 | 39.475 | 0.117 |
| 36.245 | -0.021 | 36.259 | 0.016 | 36.275 | -0.031 | 36.291 | -0.042 | 39.491 | 0.115 | 39.507 | 0.122 | 39.520 | 0.124 | 39.534 | 0.112 |
| 36.304 | -0.034 | 36.317 | -0.019 | 36.334 | -0.003 | 36.346 | -0.001 | 39.549 | 0.086 | 39.565 | 0.081 | 39.576 | 0.083 | 39.596 | 0.107 |
| 36.418 | -0.048 | 36.433 | -0.032 | 36.446 | -0.024 | 36.459 | -0.030 | 39.613 | 0.116 | 39.628 | 0.112 | 39.643 | 0.107 | 39.658 | 0.109 |
| 36.472 | -0.042 | 36.487 | -0.062 | 36.505 | -0.081 | 36.519 | -0.079 | 39.674 | 0.119 | 39.692 | 0.135 | 39.709 | 0.138 | 39.727 | 0.141 |
| 36.532 | -0.064 | 36.547 | -0.055 | 36.561 | -0.033 | 36.573 | -0.032 | 39.746 | 0.144 | 39.767 | 0.140 | 39.783 | 0.149 | 39.801 | 0.152 |
| 36.587 | -0.030 | 36.602 | -0.056 | 36.618 | -0.083 | 36.632 | -0.095 | 39.816 | 0.127 | 39.832 | 0.122 | 39.851 | 0.125 | 39.865 | 0.127 |
| 36.647 | -0.080 | 36.669 | -0.070 | 36.684 | -0.067 | 36.702 | -0.085 | 39.882 | 0.137 | 39.900 | 0.130 | 39.913 | 0.145 | 39.928 | 0.131 |
| 36.719 | -0.117 | 36.737 | -0.121 | 36.755 | -0.118 | 36.771 | -0.143 | 39.945 | 0.119 | 39.962 | 0.108 | 39.978 | 0.104 | 39.996 | 0.114 |
| 36.786 | -0.168 | 36.804 | -0.185 | 36.819 | -0.184 | 36.833 | -0.175 | 40.012 | 0.116 | 40.030 | 0.112 | 40.046 | 0.122 | 40.063 | 0.125 |
| 36.853 | -0.159 | 36.866 | -0.144 | 36.881 | -0.129 | 36.899 | -0.127 | 40.078 | 0.141 | 40.091 | 0.143 | 40.106 | 0.128 | 40.123 | 0.113 |
| 36.914 | -0.119 | 36.928 | -0.118 | 36.942 | -0.131 | 36.959 | -0.130 | 40.139 | 0.116 | 40.155 | 0.119 | 40.170 | 0.125 | 40.181 | 0.123 |
| 36.975 | -0.129 | 36.993 | -0.114 | 37.009 | -0.091 | 37.025 | -0.089 | 40.157 | 0.118 | 40.210 | 0.117 | 40.224 | 0.102 | 40.237 | 0.104 |
| 37.039 | -0.107 | 37.049 | -0.120 | 37.062 | -0.111 | 37.075 | -0.081 | 40.254 | 0.114 | 40.270 | 0.055 | 40.284 | 0.063 | 40.295 | 0.038 |
| 37.089 | -0.051 | 37.102 | -0.040 | 37.116 | -0.039 | 37.134 | -0.037 | 40.314 | 0.033 | 40.330 | 0.042 | 40.344 | 0.052 | 40.361 | 0.054 |
| 37.149 | -0.041 | 37.157 | -0.040 | 37.166 | -0.034 | 37.174 | -0.037 | 40.378 | 0.022 | 40.394 | 0.011 | 40.412 | 0.000 | 40.430 | -0.011 |
| 37.181 | -0.036 | 37.189 | -0.049 | 37.194 | -0.049 | 37.202 | -0.039 | 40.451 | -0.014 | 40.468 | -0.037 | 40.486 | -0.050 | 40.503 | -0.068 |
| 37.212 | -0.058 | 37.228 | -0.061 | 37.241 | -0.037 | 37.255 | -0.020 | 40.525 | -0.071 | 40.546 | -0.067 | 40.565 | -0.071 | 40.581 | -0.061 |
| 37.266 | 0.003 | 37.277 | -0.015 | 37.292 | -0.039 | 37.308 | -0.057 | 40.599 | -0.080 | 40.620 | -0.052 | 40.634 | -0.070 | 40.651 | -0.062 |
| 37.323 | -0.046 | 37.339 | -0.028 | 37.355 | -0.018 | 37.374 | -0.001 | 40.665 | -0.068 | 40.683 | -0.066 | 40.698 | -0.065 | | |
| 37.391 | 0.011 | 37.406 | 0.027 | 37.422 | 0.030 | 37.437 | 0.026 | | | | | | | | |
| 37.456 | 0.036 | 37.473 | 0.060 | 37.488 | 0.063 | 37.501 | 0.079 | | | | | | | | |
| 37.516 | 0.085 | 37.525 | 0.112 | 37.543 | 0.126 | 37.563 | 0.124 | | | | | | | | |
| 37.575 | 0.112 | 37.590 | 0.101 | 37.605 | 0.124 | 37.620 | 0.154 | | | | | | | | |
| 37.633 | 0.176 | 37.648 | 0.186 | 37.662 | 0.188 | 37.677 | 0.197 | | | | | | | | |

2655 PCINTS 40.684 SECCNDS

RESAMPLED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2608 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | 0.005 | 0.025 | -0.005 | 0.038 | -0.042 | 0.069 | -0.063 | 2.484 | -0.027 | 2.526 | -0.021 | 2.542 | -0.034 | 2.575 | -0.062 |
| 0.089 | -0.062 | 0.096 | -0.062 | 0.107 | -0.021 | 0.123 | 0.006 | 2.605 | -0.041 | 2.626 | -0.021 | 2.642 | -0.049 | 2.663 | -0.077 |
| 0.142 | 0.020 | 0.166 | 0.020 | 0.184 | -0.020 | 0.197 | -0.048 | 2.679 | -0.071 | 2.698 | -0.058 | 2.706 | -0.105 | 2.725 | -0.058 |
| 0.213 | -0.075 | 0.229 | -0.054 | 0.239 | -0.040 | 0.262 | -0.033 | 2.747 | -0.018 | 2.764 | -0.029 | 2.782 | -0.049 | 2.788 | 0.056 |
| 0.281 | 0.068 | 0.295 | 0.028 | 0.311 | 0.035 | 0.319 | 0.022 | 2.807 | 0.062 | 2.834 | 0.020 | 2.860 | -0.015 | 2.874 | -0.015 |
| 0.340 | -0.026 | 0.358 | -0.060 | 0.379 | -0.046 | 0.398 | -0.026 | 2.887 | 0.005 | 2.895 | 0.032 | 2.914 | 0.120 | 2.930 | 0.140 |
| 0.414 | -0.005 | 0.441 | -0.001 | 0.463 | 0.022 | 0.484 | 0.022 | 2.948 | 0.153 | 2.968 | 0.139 | 2.984 | 0.064 | 2.959 | 0.009 |
| 0.504 | 0.022 | 0.517 | 0.008 | 0.533 | -0.019 | 0.546 | -0.033 | 3.016 | -0.032 | 3.031 | -0.015 | 3.046 | 0.029 | 3.062 | 0.084 |
| 0.570 | -0.046 | 0.580 | -0.060 | 0.599 | -0.080 | 0.589 | -0.101 | 3.072 | 0.084 | 3.085 | 0.049 | 3.102 | 0.036 | 3.112 | 0.033 |
| 0.615 | -0.067 | 0.625 | -0.019 | 0.637 | 0.029 | 0.650 | 0.035 | 3.130 | 0.001 | 3.146 | 0.005 | 3.164 | 0.015 | 3.187 | -0.005 |
| 0.671 | 0.028 | 0.686 | 0.014 | 0.707 | -0.020 | 0.729 | -0.047 | 3.203 | -0.019 | 3.218 | -0.019 | 3.234 | 0.001 | 3.248 | -0.033 |
| 0.748 | -0.068 | 0.768 | -0.089 | 0.781 | -0.082 | 0.797 | -0.055 | 3.263 | -0.073 | 3.282 | -0.087 | 3.296 | -0.073 | 3.311 | -0.005 |
| 0.809 | -0.007 | 0.821 | -0.027 | 0.829 | 0.033 | 0.844 | 0.013 | 3.325 | 0.090 | 3.333 | 0.124 | 3.343 | 0.145 | 3.360 | 0.090 |
| 0.862 | 0.008 | 0.885 | -0.022 | 0.903 | -0.008 | 0.926 | -0.009 | 3.380 | -0.019 | 3.404 | -0.135 | 3.421 | -0.176 | 3.435 | -0.155 |
| 0.943 | -0.036 | 0.954 | -0.029 | 0.964 | -0.056 | 0.977 | -0.084 | 3.450 | -0.073 | 3.461 | -0.026 | 3.476 | -0.053 | 3.487 | 0.022 |
| 0.998 | -0.029 | 1.012 | -0.025 | 1.025 | -0.059 | 1.044 | 0.059 | 3.504 | -0.008 | 3.526 | -0.026 | 3.540 | -0.053 | 3.557 | -0.121 |
| 1.062 | 0.032 | 1.080 | -0.022 | 1.109 | -0.077 | 1.118 | -0.077 | 3.571 | -0.169 | 3.581 | -0.164 | 3.596 | -0.128 | 3.618 | -0.039 |
| 1.132 | -0.043 | 1.146 | -0.010 | 1.156 | 0.018 | 1.169 | 0.025 | 3.627 | -0.033 | 3.647 | -0.017 | 3.673 | -0.148 | 3.684 | -0.210 |
| 1.194 | 0.004 | 1.214 | -0.010 | 1.228 | 0.010 | 1.257 | 0.072 | 3.703 | -0.223 | 3.717 | -0.213 | 3.736 | -0.148 | 3.750 | -0.080 |
| 1.273 | 0.085 | 1.286 | 0.030 | 1.298 | -0.017 | 1.314 | -0.065 | 3.770 | -0.660 | 3.785 | -0.050 | 3.802 | -0.073 | 3.819 | -0.067 |
| 1.329 | -0.025 | 1.345 | -0.011 | 1.358 | 0.002 | 1.378 | 0.016 | 3.843 | -0.053 | 3.855 | -0.005 | 3.870 | 0.042 | 3.889 | 0.063 |
| 1.386 | 0.016 | 1.397 | -0.002 | 1.411 | 0.015 | 1.423 | 0.036 | 3.906 | -0.056 | 3.925 | -0.023 | 3.946 | -0.033 | 3.963 | -0.067 |
| 1.436 | 0.070 | 1.450 | 0.083 | 1.462 | 0.070 | 1.472 | 0.022 | 3.978 | -0.087 | 3.996 | -0.046 | 4.009 | -0.036 | 4.022 | 0.083 |
| 1.485 | -0.039 | 1.493 | -0.067 | 1.509 | -0.053 | 1.535 | -0.039 | 4.040 | 0.050 | 4.055 | 0.063 | 4.069 | 0.042 | 4.087 | -0.039 |
| 1.554 | -0.039 | 1.567 | -0.046 | 1.588 | -0.060 | 1.607 | -0.053 | 4.109 | -0.101 | 4.123 | -0.168 | 4.133 | -0.067 | 4.145 | -0.008 |
| 1.619 | -0.040 | 1.631 | -0.012 | 1.643 | 0.021 | 1.648 | 0.021 | 4.157 | 0.063 | 4.175 | 0.057 | 4.190 | 0.117 | 4.206 | 0.158 |
| 1.722 | -0.034 | 1.738 | 0.041 | 1.748 | 0.061 | 1.763 | 0.088 | 4.285 | -0.040 | 4.301 | -0.033 | 4.315 | 0.008 | 4.326 | 0.116 |
| 1.779 | 0.067 | 1.798 | -0.015 | 1.810 | -0.042 | 1.818 | -0.049 | 4.344 | 0.158 | 4.355 | 0.218 | 4.378 | 0.232 | 4.394 | 0.197 |
| 1.833 | -0.036 | 1.846 | 0.025 | 1.865 | 0.100 | 1.876 | 0.134 | 4.412 | 0.143 | 4.426 | 0.101 | 4.447 | 0.081 | 4.459 | 0.101 |
| 1.889 | 0.106 | 1.907 | 0.031 | 1.917 | -0.065 | 1.927 | -0.126 | 4.476 | 0.087 | 4.489 | 0.059 | 4.510 | 0.052 | 4.530 | 0.045 |
| 1.941 | -0.154 | 1.954 | -0.093 | 1.973 | 0.023 | 1.985 | 0.084 | 4.545 | 0.003 | 4.558 | -0.010 | 4.582 | 0.003 | 4.600 | -0.025 |
| 1.996 | 0.057 | 2.013 | 0.036 | 2.032 | -0.040 | 2.046 | -0.074 | 4.617 | -0.011 | 4.638 | -0.039 | 4.666 | -0.162 | 4.661 | -0.189 |
| 2.069 | 0.088 | 2.092 | 0.095 | 2.111 | -0.130 | 2.131 | -0.116 | 4.688 | -0.189 | 4.704 | -0.114 | 4.716 | -0.080 | 4.725 | -0.101 |
| 2.151 | -0.052 | 2.162 | -0.008 | 2.179 | 0.013 | 2.201 | 0.012 | 4.743 | -0.114 | 4.759 | -0.073 | 4.778 | -0.067 | 4.754 | -0.026 |
| 2.210 | -0.022 | 2.228 | -0.036 | 2.243 | -0.015 | 2.258 | -0.009 | 4.866 | 0.001 | 4.871 | 0.001 | 4.835 | -0.026 | 4.856 | 0.049 |
| 2.269 | -0.009 | 2.287 | -0.015 | 2.301 | 0.012 | 2.309 | 0.019 | 4.865 | 0.076 | 4.878 | 0.117 | 4.893 | 0.172 | 4.910 | 0.192 |
| 2.333 | 0.019 | 2.346 | 0.033 | 2.359 | -0.001 | 2.377 | -0.049 | 4.926 | 0.138 | 4.948 | 0.063 | 4.960 | 0.015 | 4.973 | -0.067 |
| 2.391 | -0.076 | 2.402 | -0.069 | 2.418 | -0.021 | 2.429 | -0.007 | 4.982 | -0.087 | 5.014 | -0.073 | 5.036 | -0.101 | 5.053 | -0.115 |
| 2.436 | -0.000 | 2.448 | -0.021 | 2.460 | -0.048 | 2.470 | -0.048 | 5.074 | -0.163 | 5.092 | -0.340 | 5.111 | -0.504 | 5.124 | -0.654 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5.136 | -0.777 | 5.149 | -0.818 | 5.162 | -0.852 | 5.173 | -0.934 | 7.931 | 6.196 | 7.941 | 6.365 | 7.960 | 6.291 | 7.979 | 6.277 |
| 5.187 | -1.050 | 5.199 | -1.159 | 5.212 | -1.160 | 5.225 | -1.072 | 7.992 | 6.284 | 8.007 | 0.229 | 8.018 | 0.147 | 8.028 | 0.072 |
| 5.240 | -0.840 | 5.251 | -0.836 | 5.259 | -0.534 | 5.276 | -0.453 | 8.041 | 6.037 | 8.059 | 6.146 | 8.076 | 0.281 | 8.085 | 1.355 |
| 5.298 | -0.420 | 5.319 | -0.359 | 5.338 | -0.176 | 5.351 | -0.054 | 8.114 | 0.579 | 8.131 | 6.721 | 8.147 | 6.538 | 8.156 | 1.169 |
| 5.365 | 0.007 | 5.390 | 0.122 | 5.406 | 0.319 | 5.418 | 0.551 | 8.165 | 1.407 | 8.177 | 1.557 | 8.183 | 1.685 | 8.196 | 1.752 |
| 5.427 | 0.761 | 5.435 | 0.945 | 5.446 | 1.054 | 5.451 | 1.074 | 8.210 | 1.645 | 8.222 | 1.412 | 8.233 | 1.240 | 8.244 | 1.035 |
| 5.460 | 1.012 | 5.470 | 0.876 | 5.480 | 0.732 | 5.493 | 0.616 | 8.254 | 0.865 | 8.268 | 0.716 | 8.286 | 0.646 | 8.302 | 0.366 |
| 5.504 | 0.535 | 5.514 | 0.494 | 5.528 | 0.494 | 5.539 | 0.494 | 8.314 | 0.230 | 8.324 | 0.045 | 8.333 | -0.016 | 8.341 | -0.030 |
| 5.547 | 0.432 | 5.555 | 0.289 | 5.565 | 0.078 | 5.575 | 0.003 | 8.359 | 0.031 | 8.378 | 0.187 | 8.385 | 0.214 | 8.402 | 0.208 |
| 5.586 | 0.105 | 5.596 | 0.453 | 5.610 | 0.753 | 5.618 | 0.930 | 8.425 | 0.154 | 8.441 | 0.059 | 8.462 | -0.023 | 8.478 | -0.206 |
| 5.629 | 0.998 | 5.637 | 0.943 | 5.650 | 0.725 | 5.663 | 0.453 | 8.488 | -0.329 | 8.502 | -0.424 | 8.515 | -0.376 | 8.537 | -0.164 |
| 5.676 | 0.154 | 5.690 | -0.023 | 5.701 | -0.112 | 5.719 | -0.179 | 8.544 | -0.042 | 8.563 | 0.122 | 8.578 | 0.204 | 8.587 | 0.259 |
| 5.732 | -0.104 | 5.742 | -0.104 | 5.759 | -0.179 | 5.772 | -0.280 | 8.600 | 0.313 | 8.613 | 0.213 | 8.621 | 0.164 | 8.630 | -0.034 |
| 5.791 | -0.266 | 5.808 | -0.266 | 5.822 | -0.300 | 5.835 | -0.327 | 8.644 | -0.517 | 8.652 | -0.665 | 8.660 | -1.308 | 8.668 | -1.669 |
| 5.853 | -0.231 | 5.879 | -0.041 | 5.894 | 0.041 | 5.904 | 0.143 | 8.673 | -1.866 | 8.681 | -1.982 | 8.688 | -2.030 | 8.702 | -2.825 |
| 5.901 | 0.226 | 5.922 | 0.239 | 5.933 | 0.199 | 5.948 | 0.083 | 8.713 | -1.471 | 8.725 | -1.212 | 8.739 | -0.993 | 8.757 | -0.734 |
| 5.966 | -0.026 | 5.983 | -0.039 | 5.993 | -0.019 | 6.009 | 0.097 | 8.772 | -0.598 | 8.779 | -0.516 | 8.796 | -0.475 | 8.808 | -0.564 |
| 6.019 | 0.185 | 6.030 | 0.213 | 6.038 | 0.172 | 6.049 | 0.063 | 8.821 | -0.653 | 8.834 | -0.748 | 8.840 | -0.755 | 8.859 | -0.666 |
| 6.062 | 0.087 | 6.072 | -0.155 | 6.089 | -0.073 | 6.097 | 0.029 | 8.877 | -0.550 | 8.889 | -0.421 | 8.905 | -0.196 | 8.912 | -0.094 |
| 6.114 | 0.131 | 6.126 | 0.226 | 6.138 | 0.165 | 6.147 | 0.117 | 8.924 | -0.019 | 8.938 | -0.005 | 8.951 | -0.046 | 8.955 | -0.121 |
| 6.157 | 0.015 | 6.170 | -0.128 | 6.189 | -0.264 | 6.215 | -0.386 | 8.975 | -0.142 | 8.987 | -0.067 | 8.996 | -0.001 | 9.006 | -0.008 |
| 6.223 | -0.427 | 6.233 | -0.434 | 6.249 | -0.386 | 6.271 | -0.209 | 9.017 | -0.053 | 9.031 | -0.305 | 9.038 | -0.455 | 9.045 | -0.564 |
| 6.283 | -0.120 | 6.299 | -0.106 | 6.313 | -0.147 | 6.326 | -0.262 | 9.057 | -0.598 | 9.077 | -0.503 | 9.089 | -0.435 | 9.099 | -0.428 |
| 6.337 | -0.374 | 6.347 | -0.474 | 6.363 | -0.514 | 6.377 | -0.548 | 9.125 | -0.332 | 9.142 | -0.244 | 9.154 | -0.230 | 9.175 | -0.278 |
| 6.357 | -0.507 | 6.422 | -0.350 | 6.433 | -0.296 | 6.450 | -0.193 | 9.189 | -0.319 | 9.203 | -0.312 | 9.217 | -0.346 | 9.234 | -0.271 |
| 6.464 | -0.057 | 6.475 | 0.161 | 6.486 | 0.557 | 6.493 | 0.952 | 9.247 | -0.223 | 9.260 | -0.319 | 9.277 | -0.496 | 9.287 | -0.721 |
| 6.501 | 1.886 | 6.510 | 1.674 | 6.515 | 1.838 | 6.521 | 1.885 | 9.258 | -0.858 | 9.313 | -1.065 | 9.323 | -1.103 | 9.337 | -1.035 |
| 6.530 | 1.871 | 6.540 | 1.606 | 6.544 | 1.497 | 6.550 | 1.280 | 9.352 | -0.831 | 9.362 | -0.511 | 9.377 | -0.368 | 9.391 | -0.293 |
| 6.558 | 0.924 | 6.567 | 0.617 | 6.575 | 0.481 | 6.581 | 0.399 | 9.358 | -0.252 | 9.416 | -0.123 | 9.432 | -0.054 | 9.444 | 0.108 |
| 6.594 | 0.385 | 6.610 | 0.460 | 6.620 | 0.474 | 6.633 | 0.460 | 9.456 | 0.122 | 9.475 | 0.081 | 9.490 | 0.060 | 9.510 | 0.244 |
| 6.648 | 0.385 | 6.655 | 0.296 | 6.667 | 0.133 | 6.684 | 0.065 | 9.524 | 0.503 | 9.535 | 0.707 | 9.544 | 0.775 | 9.554 | 0.693 |
| 6.654 | -0.133 | 6.704 | -0.181 | 6.718 | -0.085 | 6.731 | -0.051 | 9.561 | 0.618 | 9.571 | 0.598 | 9.590 | 0.700 | 9.606 | 0.884 |
| 6.742 | -0.113 | 6.757 | -0.283 | 6.770 | -0.521 | 6.778 | -0.603 | 9.619 | 1.028 | 9.631 | 1.048 | 9.645 | 0.940 | 9.656 | 0.790 |
| 6.787 | -0.801 | 6.800 | -0.862 | 6.810 | -0.794 | 6.826 | -0.440 | 9.664 | 0.695 | 9.680 | 0.553 | 9.697 | 0.573 | 9.710 | 0.580 |
| 6.842 | -0.133 | 6.857 | 0.174 | 6.870 | 0.426 | 6.879 | 0.529 | 9.722 | 0.505 | 9.740 | 0.362 | 9.756 | 0.233 | 9.773 | 0.152 |
| 6.889 | 0.583 | 6.906 | 0.529 | 6.923 | 0.468 | 6.932 | 0.448 | 9.788 | 0.071 | 9.804 | 0.031 | 9.820 | 0.126 | 9.833 | 0.345 |
| 6.995 | -0.587 | 7.006 | -0.838 | 7.018 | -0.920 | 7.029 | -0.852 | 9.844 | 0.447 | 9.860 | 0.502 | 9.880 | 0.523 | 9.898 | 0.599 |
| 7.042 | -0.688 | 7.056 | -0.435 | 7.068 | -0.278 | 7.082 | -0.176 | 9.910 | 0.702 | 9.928 | 0.736 | 9.941 | 0.668 | 9.958 | 0.525 |
| 7.090 | -0.176 | 7.107 | -0.312 | 7.119 | -0.455 | 7.130 | -0.638 | 9.972 | 0.382 | 9.989 | 0.131 | 9.997 | 0.029 | 10.004 | 0.008 |
| 7.141 | -0.713 | 7.153 | -0.720 | 7.167 | -0.610 | 7.186 | -0.419 | 10.016 | 0.111 | 10.031 | 0.384 | 10.041 | 0.527 | 10.055 | 0.658 |
| 7.201 | -0.265 | 7.209 | -0.208 | 7.220 | -0.139 | 7.235 | 0.168 | 10.071 | 0.773 | 10.083 | 0.732 | 10.103 | 0.733 | 10.116 | 0.741 |
| 7.247 | 0.393 | 7.254 | 0.502 | 7.263 | 0.550 | 7.272 | 0.448 | 10.128 | 0.748 | 10.142 | 0.653 | 10.161 | 0.524 | 10.170 | 0.491 |
| 7.266 | 0.012 | 7.302 | -0.369 | 7.319 | -0.730 | 7.334 | -0.866 | 10.185 | 0.560 | 10.195 | 0.442 | 10.209 | 0.874 | 10.214 | 0.935 |
| 7.346 | -0.948 | 7.358 | -0.988 | 7.374 | -1.029 | 7.384 | -1.070 | 10.223 | 0.556 | 10.239 | 0.848 | 10.250 | 0.664 | 10.264 | 0.535 |
| 7.402 | -1.056 | 7.422 | -0.981 | 7.432 | -0.838 | 7.441 | -0.776 | 10.281 | 0.413 | 10.295 | 0.373 | 10.304 | 0.366 | 10.316 | 0.367 |
| 7.448 | -0.769 | 7.460 | -0.831 | 7.473 | -0.892 | 7.480 | -0.892 | 10.330 | 0.313 | 10.340 | 0.251 | 10.350 | 0.129 | 10.368 | -0.020 |
| 7.500 | -0.742 | 7.516 | -0.544 | 7.529 | -0.394 | 7.539 | -0.244 | 10.377 | -0.608 | 10.387 | -0.666 | 10.442 | -0.421 | 10.455 | -0.632 |
| 7.551 | -0.019 | 7.563 | 0.145 | 7.569 | 0.227 | 7.581 | 0.281 | 10.417 | -0.803 | 10.429 | -0.666 | 10.442 | -0.285 | 10.455 | 0.042 |
| 7.598 | 0.261 | 7.598 | 0.186 | 7.609 | 0.104 | 7.616 | -0.025 | 10.466 | 0.165 | 10.478 | 0.260 | 10.493 | 0.254 | 10.501 | 0.226 |
| 7.626 | -0.059 | 7.637 | -0.134 | 7.655 | -0.120 | 7.674 | 0.016 | 10.521 | 0.556 | 10.533 | 0.308 | 10.546 | 0.365 | 10.557 | 0.465 |
| 7.693 | 0.139 | 7.704 | 0.276 | 7.717 | 0.364 | 7.729 | 0.508 | 10.566 | 0.410 | 10.573 | 0.308 | 10.583 | 0.131 | 10.600 | -0.039 |
| 7.759 | 0.549 | 7.759 | 0.488 | 7.769 | 0.447 | 7.783 | 0.557 | 10.614 | -0.148 | 10.631 | -0.086 | 10.648 | -0.011 | 10.669 | 0.105 |
| 7.795 | 0.775 | 7.805 | 1.020 | 7.816 | 1.225 | 7.823 | 1.314 | 10.683 | 0.160 | 10.700 | 0.154 | 10.721 | 0.188 | 10.730 | 0.277 |
| 7.830 | 1.259 | 7.842 | 0.796 | 7.852 | 0.415 | 7.864 | 0.033 | 10.747 | 0.264 | 10.755 | 0.237 | 10.764 | 0.141 | 10.779 | 0.019 |
| 7.874 | -0.157 | 7.889 | -0.246 | 7.904 | -0.150 | 7.920 | 0.074 | 10.790 | -0.124 | 10.802 | -0.254 | 10.819 | -0.423 | 10.831 | -0.490 |
| | | | | | | | | 10.843 | -0.517 | 10.857 | -0.476 | 10.873 | -0.339 | 10.881 | -0.216 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.916 | -0.155 | 10.930 | -0.147 | 10.951 | -0.037 | 10.965 | -0.009 | 14.646 | -0.128 | 14.663 | -0.121 | 14.675 | -0.108 | 14.683 | -0.032 |
| 10.981 | -0.023 | 10.996 | -0.029 | 11.012 | 0.047 | 11.026 | 0.122 | 14.709 | 0.044 | 14.723 | 0.133 | 14.737 | 0.208 | 14.755 | 0.304 |
| 11.040 | -0.041 | 11.056 | -0.102 | 11.076 | -0.042 | 11.076 | 0.565 | 14.768 | 0.345 | 14.780 | 0.291 | 14.801 | 0.189 | 14.817 | 0.087 |
| 11.089 | -0.653 | 11.107 | -0.659 | 11.126 | -0.577 | 11.145 | -0.494 | 14.825 | 0.040 | 14.841 | 0.047 | 14.863 | 0.109 | 14.871 | 0.164 |
| 11.164 | -0.412 | 11.182 | -0.248 | 11.199 | -0.057 | 11.210 | -0.029 | 14.895 | 0.206 | 14.916 | 0.154 | 14.934 | 0.209 | 14.958 | 0.130 |
| 11.226 | -0.015 | 11.240 | -0.082 | 11.253 | -0.252 | 11.268 | -0.484 | 14.973 | 0.090 | 14.990 | 0.085 | 15.011 | 0.032 | 15.023 | 0.619 |
| 11.281 | -0.647 | 11.296 | -0.783 | 11.309 | -0.912 | 11.322 | -0.960 | 15.037 | 0.061 | 15.068 | 0.125 | 15.073 | 0.140 | 15.094 | 0.121 |
| 11.335 | -0.898 | 11.353 | -0.625 | 11.366 | -0.393 | 11.377 | -0.243 | 15.106 | 0.101 | 15.121 | 0.014 | 15.148 | -0.018 | 15.149 | 0.609 |
| 11.387 | -0.181 | 11.399 | -0.147 | 11.415 | -0.154 | 11.429 | -0.140 | 15.166 | 0.078 | 15.182 | 0.126 | 15.193 | 0.160 | 15.223 | 0.202 |
| 11.444 | -0.166 | 11.452 | -0.092 | 11.467 | -0.160 | 11.478 | -0.207 | 15.232 | 0.222 | 15.252 | 0.257 | 15.264 | 0.230 | 15.286 | 0.182 |
| 11.490 | -0.316 | 11.500 | -0.391 | 11.510 | -0.418 | 11.524 | -0.364 | 15.298 | 0.114 | 15.317 | 0.060 | 15.356 | 0.040 | 15.356 | 0.129 |
| 11.547 | -0.179 | 11.561 | -0.138 | 11.574 | -0.200 | 11.599 | -0.343 | 15.378 | 0.211 | 15.391 | 0.211 | 15.411 | 0.211 | 15.423 | 0.184 |
| 11.621 | -0.390 | 11.641 | -0.411 | 11.657 | -0.424 | 11.682 | -0.390 | 15.426 | 0.044 | 15.440 | 0.062 | 15.462 | -0.019 | 15.475 | -0.107 |
| 11.704 | -0.309 | 11.726 | -0.145 | 11.742 | -0.063 | 11.755 | -0.035 | 15.489 | -0.174 | 15.505 | -0.236 | 15.505 | -0.229 | 15.518 | -0.071 |
| 11.771 | -0.076 | 11.791 | -0.184 | 11.813 | -0.238 | 11.840 | -0.224 | 15.543 | -0.174 | 15.560 | -0.105 | 15.563 | -0.071 | 15.573 | -0.071 |
| 11.868 | -0.230 | 11.882 | -0.154 | 11.906 | -0.038 | 11.923 | -0.050 | 15.552 | -0.697 | 15.611 | -0.151 | 15.636 | -0.199 | 15.643 | -0.219 |
| 11.943 | -0.015 | 11.966 | -0.245 | 11.985 | -0.423 | 11.990 | -0.478 | 15.671 | -0.225 | 15.692 | -0.204 | 15.707 | -0.197 | 15.722 | -0.210 |
| 11.998 | 0.498 | 12.013 | 0.424 | 12.032 | 0.268 | 12.045 | 0.167 | 15.738 | -0.217 | 15.753 | -0.250 | 15.769 | -0.264 | 15.784 | -0.250 |
| 12.065 | 0.072 | 12.079 | -0.063 | 12.100 | -0.233 | 12.116 | -0.321 | 15.807 | -0.208 | 15.825 | -0.126 | 15.837 | -0.091 | 15.852 | -0.071 |
| 12.136 | -0.335 | 12.172 | -0.287 | 12.172 | -0.191 | 12.197 | -0.095 | 15.866 | -0.057 | 15.872 | -0.056 | 15.911 | -0.055 | 15.928 | -0.061 |
| 12.214 | -0.026 | 12.238 | -0.131 | 12.250 | -0.186 | 12.262 | 0.192 | 15.934 | -0.123 | 15.958 | -0.169 | 15.976 | -0.210 | 15.985 | -0.230 |
| 12.276 | 0.138 | 12.291 | 0.064 | 12.309 | 0.077 | 12.325 | 0.159 | 15.993 | -0.229 | 16.004 | -0.276 | 16.026 | -0.336 | 16.032 | -0.390 |
| 12.341 | 0.236 | 12.355 | 0.350 | 12.381 | 0.256 | 12.399 | 0.256 | 16.047 | -0.458 | 16.063 | -0.436 | 16.086 | -0.414 | 16.098 | -0.393 |
| 12.413 | 0.249 | 12.425 | 0.202 | 12.449 | 0.093 | 12.471 | 0.053 | 16.104 | -0.379 | 16.105 | -0.345 | 16.131 | -0.344 | 16.141 | -0.184 |
| 12.498 | 0.084 | 12.503 | 0.095 | 12.518 | 0.143 | 12.535 | 0.089 | 16.154 | -0.288 | 16.165 | -0.246 | 16.171 | -0.192 | 16.186 | -0.184 |
| 12.556 | 0.036 | 12.568 | 0.070 | 12.583 | 0.193 | 12.599 | 0.235 | 16.194 | -0.190 | 16.210 | -0.231 | 16.223 | -0.250 | 16.239 | -0.270 |
| 12.616 | 0.181 | 12.630 | 0.086 | 12.649 | -0.035 | 12.669 | 0.068 | 16.255 | -0.283 | 16.268 | -0.303 | 16.282 | -0.302 | 16.297 | -0.315 |
| 12.695 | 0.035 | 12.710 | 0.042 | 12.716 | 0.076 | 12.722 | 0.076 | 16.305 | -0.314 | 16.334 | -0.306 | 16.345 | -0.340 | 16.363 | -0.374 |
| 12.737 | 0.084 | 12.758 | 0.085 | 12.782 | 0.092 | 12.796 | 0.093 | 16.371 | -0.401 | 16.382 | -0.353 | 16.410 | -0.311 | 16.421 | -0.264 |
| 12.819 | 0.033 | 12.831 | -0.000 | 12.840 | -0.061 | 12.865 | -0.148 | 16.437 | -0.222 | 16.455 | -0.195 | 16.456 | -0.195 | 16.481 | -0.193 |
| 12.871 | -0.263 | 12.908 | -0.349 | 12.923 | -0.417 | 12.944 | -0.409 | 16.458 | -0.151 | 16.511 | -0.110 | 16.527 | -0.027 | 16.542 | -0.001 |
| 12.965 | -0.402 | 12.972 | -0.347 | 13.002 | -0.218 | 13.007 | -0.177 | 16.554 | -0.121 | 16.572 | -0.154 | 16.591 | -0.194 | 16.593 | -0.201 |
| 13.039 | -0.115 | 13.065 | -0.143 | 13.083 | -0.136 | 13.099 | -0.177 | 16.611 | -0.200 | 16.628 | -0.199 | 16.638 | -0.199 | 16.653 | -0.198 |
| 13.107 | -0.252 | 13.136 | -0.259 | 13.170 | -0.210 | 13.171 | -0.142 | 16.670 | -0.184 | 16.683 | -0.156 | 16.699 | -0.087 | 16.704 | -0.039 |
| 13.197 | -0.093 | 13.208 | -0.052 | 13.235 | -0.024 | 13.248 | -0.065 | 16.726 | 0.037 | 16.738 | 0.065 | 16.746 | 0.059 | 16.770 | 0.053 |
| 13.263 | -0.235 | 13.278 | -0.365 | 13.295 | -0.433 | 13.306 | -0.399 | 16.784 | 0.054 | 16.802 | 0.055 | 16.821 | 0.056 | 16.826 | 0.063 |
| 13.319 | -0.331 | 13.333 | -0.215 | 13.342 | -0.174 | 13.363 | -0.105 | 16.837 | 0.084 | 16.860 | 0.139 | 16.875 | 0.167 | 16.895 | 0.202 |
| 13.388 | -0.050 | 13.411 | -0.002 | 13.426 | 0.066 | 13.446 | 0.094 | 16.910 | 0.202 | 16.922 | 0.202 | 16.937 | 0.229 | 16.953 | 0.237 |
| 13.443 | 0.035 | 13.487 | 0.049 | 13.512 | 0.017 | 13.524 | 0.045 | 16.975 | 0.291 | 16.982 | 0.346 | 16.994 | 0.353 | 17.010 | 0.353 |
| 13.540 | 0.141 | 13.546 | 0.271 | 13.565 | 0.443 | 13.577 | 0.491 | 17.026 | 0.333 | 17.041 | 0.333 | 17.042 | 0.333 | 17.056 | 0.320 |
| 13.593 | 0.471 | 13.604 | 0.329 | 13.612 | 0.186 | 13.638 | -0.097 | 17.072 | 0.259 | 17.090 | 0.212 | 17.101 | 0.144 | 17.114 | 0.090 |
| 13.650 | -0.071 | 13.675 | -0.111 | 13.685 | -0.144 | 13.688 | -0.097 | 17.138 | 0.091 | 17.151 | 0.132 | 17.167 | 0.154 | 17.193 | 0.176 |
| 13.716 | -0.007 | 13.735 | 0.061 | 13.755 | 0.116 | 13.775 | 0.089 | 17.204 | 0.204 | 17.209 | 0.258 | 17.241 | 0.328 | 17.256 | 0.384 |
| 13.788 | 0.048 | 13.808 | 0.048 | 13.836 | 0.096 | 13.861 | 0.192 | 17.267 | 0.364 | 17.275 | 0.258 | 17.289 | 0.208 | 17.302 | 0.141 |
| 13.889 | 0.226 | 13.903 | 0.274 | 13.933 | 0.261 | 13.955 | 0.228 | 17.331 | 0.094 | 17.345 | 0.054 | 17.366 | 0.034 | 17.376 | 0.061 |
| 13.974 | 0.154 | 13.988 | 0.120 | 14.006 | 0.155 | 14.043 | 0.225 | 17.382 | 0.115 | 17.399 | 0.170 | 17.420 | 0.272 | 17.424 | 0.361 |
| 14.049 | 0.314 | 14.050 | 0.321 | 14.072 | 0.302 | 14.079 | 0.228 | 17.428 | 0.422 | 17.442 | 0.463 | 17.451 | 0.456 | 17.462 | 0.429 |
| 14.109 | 0.169 | 14.116 | 0.142 | 14.143 | 0.150 | 14.162 | 0.131 | 17.477 | 0.415 | 17.488 | 0.381 | 17.515 | 0.367 | 17.520 | 0.326 |
| 14.172 | 0.125 | 14.186 | 0.201 | 14.204 | 0.270 | 14.213 | 0.358 | 17.542 | 0.298 | 17.555 | 0.250 | 17.571 | 0.236 | 17.580 | 0.242 |
| 14.217 | 0.332 | 14.231 | 0.257 | 14.248 | 0.169 | 14.267 | 0.162 | 17.603 | 0.303 | 17.617 | 0.351 | 17.627 | 0.296 | 17.641 | 0.269 |
| 14.297 | 0.150 | 14.314 | 0.137 | 14.315 | 0.096 | 14.348 | 0.063 | 17.655 | 0.195 | 17.678 | 0.154 | 17.693 | 0.114 | 17.711 | 0.080 |
| 14.366 | 0.063 | 14.378 | 0.056 | 14.392 | 0.050 | 14.402 | 0.016 | 17.732 | 0.026 | 17.746 | 0.049 | 17.763 | -0.089 | 17.782 | -0.108 |
| 14.420 | -0.059 | 14.432 | -0.147 | 14.445 | -0.263 | 14.467 | -0.446 | 17.812 | 0.154 | 17.834 | -0.154 | 17.851 | -0.179 | 17.865 | -0.152 |
| 14.482 | -0.535 | 14.501 | -0.582 | 14.509 | -0.473 | 14.517 | -0.330 | 17.891 | -0.177 | 17.895 | -0.163 | 17.911 | -0.128 | 17.938 | -0.054 |
| 14.535 | -0.186 | 14.546 | -0.104 | 14.562 | -0.015 | 14.577 | 0.040 | 17.922 | -0.127 | 17.976 | -0.162 | 17.976 | -0.311 | 17.983 | -0.454 |
| 14.590 | 0.061 | 14.605 | 0.027 | 14.608 | -0.041 | 14.636 | -0.095 | 18.016 | -0.515 | 18.016 | -0.563 | 18.033 | -0.576 | 18.036 | -0.563 |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 18.046 | -0.556 | 18.057 | -0.542 | 18.069 | -0.501 | 18.079 | -0.467 | 21.112 | 0.127 | 21.130 | 0.156 | 21.143 | 0.177 | 21.156 | 0.211 |
| 18.092 | -0.454 | 18.099 | -0.392 | 18.107 | -0.352 | 18.120 | -0.304 | 21.172 | 0.157 | 21.191 | 0.143 | 21.206 | 0.116 | 21.225 | 0.116 |
| 18.137 | -0.263 | 18.144 | -0.229 | 18.157 | -0.202 | 18.174 | -0.209 | 21.242 | 0.129 | 21.262 | 0.149 | 21.271 | 0.163 | 21.282 | 0.176 |
| 18.188 | -0.203 | 18.202 | -0.209 | 18.203 | -0.230 | 18.230 | -0.244 | 21.295 | 0.203 | 21.307 | 0.216 | 21.323 | 0.202 | 21.339 | 0.175 |
| 18.237 | -0.244 | 18.252 | -0.250 | 18.264 | -0.223 | 18.274 | -0.168 | 21.354 | 0.174 | 21.376 | 0.201 | 21.392 | 0.222 | 21.410 | 0.243 |
| 18.291 | -0.127 | 18.296 | -0.073 | 18.313 | -0.066 | 18.318 | -0.134 | 21.426 | 0.250 | 21.440 | 0.257 | 21.456 | 0.237 | 21.469 | 0.203 |
| 18.326 | -0.229 | 18.348 | -0.304 | 18.366 | -0.331 | 18.375 | -0.330 | 21.467 | 0.170 | 21.499 | 0.136 | 21.516 | 0.139 | 21.530 | 0.116 |
| 18.387 | -0.350 | 18.406 | -0.377 | 18.416 | -0.424 | 18.440 | -0.457 | 21.549 | 0.152 | 21.570 | 0.215 | 21.582 | 0.210 | 21.600 | 0.211 |
| 18.456 | -0.450 | 18.469 | -0.408 | 18.484 | -0.339 | 18.496 | -0.298 | 21.622 | 0.159 | 21.639 | 0.127 | 21.661 | 0.095 | 21.675 | 0.082 |
| 18.507 | -0.243 | 18.521 | -0.208 | 18.534 | -0.174 | 18.544 | -0.139 | 21.690 | 0.083 | 21.709 | 0.083 | 21.722 | 0.124 | 21.734 | 0.124 |
| 18.556 | -0.105 | 18.573 | -0.084 | 18.588 | -0.035 | 18.589 | -0.022 | 21.750 | 0.124 | 21.765 | 0.117 | 21.775 | 0.117 | 21.789 | 0.117 |
| 18.607 | -0.007 | 18.622 | -0.014 | 18.647 | -0.041 | 18.659 | -0.068 | 21.882 | 0.042 | 21.882 | 0.117 | 21.844 | 0.124 | 21.862 | 0.104 |
| 18.668 | -0.077 | 18.679 | -0.047 | 18.687 | 0.007 | 18.700 | 0.042 | 21.882 | 0.042 | 21.882 | 0.117 | 21.844 | 0.124 | 21.862 | 0.104 |
| 18.710 | 0.062 | 18.718 | 0.056 | 18.731 | 0.056 | 18.741 | 0.069 | 21.934 | 0.083 | 21.952 | 0.117 | 21.968 | 0.083 | 21.987 | 0.002 |
| 18.751 | 0.070 | 18.765 | 0.056 | 18.784 | 0.042 | 18.800 | 0.022 | 22.002 | -0.087 | 22.014 | -0.141 | 22.027 | -0.189 | 22.042 | -0.202 |
| 18.818 | -0.005 | 18.832 | 0.001 | 18.843 | 0.070 | 18.854 | 0.144 | 22.055 | -0.209 | 22.128 | -0.079 | 22.143 | -0.044 | 22.159 | -0.030 |
| 18.863 | 0.199 | 18.885 | 0.287 | 18.897 | 0.246 | 18.898 | 0.185 | 22.113 | -0.133 | 22.128 | -0.079 | 22.143 | -0.044 | 22.159 | -0.030 |
| 18.924 | 0.205 | 18.942 | 0.273 | 18.959 | 0.334 | 18.974 | 0.368 | 22.182 | -0.077 | 22.203 | -0.145 | 22.214 | -0.158 | 22.231 | -0.151 |
| 18.985 | 0.422 | 18.998 | 0.456 | 19.010 | 0.442 | 19.025 | 0.395 | 22.246 | -0.191 | 22.264 | -0.225 | 22.280 | -0.238 | 22.295 | -0.210 |
| 19.043 | 0.354 | 19.044 | 0.313 | 19.056 | 0.313 | 19.070 | 0.326 | 22.315 | -0.155 | 22.328 | -0.107 | 22.346 | -0.072 | 22.361 | -0.065 |
| 19.080 | 0.340 | 19.095 | 0.340 | 19.100 | 0.327 | 19.123 | 0.274 | 22.378 | -0.098 | 22.394 | -0.159 | 22.417 | -0.219 | 22.431 | -0.232 |
| 19.138 | 0.213 | 19.150 | 0.173 | 19.162 | 0.153 | 19.170 | 0.195 | 22.448 | -0.158 | 22.465 | -0.150 | 22.480 | -0.162 | 22.495 | -0.161 |
| 19.185 | 0.264 | 19.187 | 0.305 | 19.215 | 0.334 | 19.227 | 0.348 | 22.515 | -0.188 | 22.535 | -0.221 | 22.558 | -0.275 | 22.576 | -0.268 |
| 19.237 | 0.376 | 19.264 | 0.378 | 19.271 | 0.364 | 19.287 | 0.325 | 22.593 | -0.260 | 22.610 | -0.232 | 22.631 | -0.157 | 22.649 | -0.130 |
| 19.305 | 0.244 | 19.315 | 0.211 | 19.327 | 0.211 | 19.339 | 0.260 | 22.665 | -0.130 | 22.682 | -0.130 | 22.695 | -0.137 | 22.708 | -0.137 |
| 19.347 | 0.288 | 19.369 | 0.330 | 19.376 | 0.378 | 19.382 | 0.385 | 22.726 | -0.144 | 22.741 | -0.138 | 22.756 | -0.117 | 22.774 | -0.090 |
| 19.407 | 0.352 | 19.409 | 0.284 | 19.429 | 0.257 | 19.438 | 0.224 | 22.787 | -0.043 | 22.795 | -0.042 | 22.808 | -0.032 | 22.821 | -0.012 |
| 19.455 | 0.210 | 19.472 | 0.163 | 19.491 | 0.096 | 19.492 | 0.041 | 22.838 | -0.060 | 22.855 | -0.060 | 22.873 | -0.094 | 22.893 | 0.121 |
| 19.512 | 0.035 | 19.522 | 0.062 | 19.529 | 0.124 | 19.557 | 0.193 | 22.907 | 0.149 | 22.928 | 0.163 | 22.948 | 0.178 | 22.965 | 0.187 |
| 19.557 | 0.227 | 19.569 | 0.234 | 19.592 | 0.242 | 19.600 | 0.242 | 22.986 | 0.203 | 22.998 | 0.231 | 23.016 | 0.254 | 23.029 | 0.289 |
| 19.609 | 0.222 | 19.620 | 0.215 | 19.644 | 0.168 | 19.648 | 0.141 | 23.047 | 0.318 | 23.062 | 0.252 | 23.072 | 0.259 | 23.091 | 0.186 |
| 19.662 | 0.101 | 19.682 | 0.040 | 19.691 | -0.014 | 19.717 | -0.047 | 23.105 | 0.133 | 23.121 | 0.128 | 23.134 | 0.143 | 23.155 | 0.186 |
| 19.730 | -0.102 | 19.733 | -0.108 | 19.752 | -0.101 | 19.767 | -0.080 | 23.170 | 0.221 | 23.193 | 0.244 | 23.209 | 0.158 | 23.226 | 0.145 |
| 19.773 | -0.073 | 19.792 | -0.065 | 19.802 | -0.051 | 19.822 | -0.063 | 23.248 | 0.044 | 23.265 | -0.017 | 23.279 | -0.030 | 23.300 | -0.009 |
| 19.833 | -0.076 | 19.853 | -0.055 | 19.866 | -0.115 | 19.874 | -0.107 | 23.315 | 0.132 | 23.347 | 0.119 | 23.424 | 0.086 | 23.435 | 0.032 |
| 19.892 | -0.106 | 19.907 | -0.112 | 19.913 | -0.133 | 19.923 | -0.146 | 23.395 | 0.132 | 23.417 | 0.139 | 23.424 | 0.086 | 23.435 | 0.032 |
| 19.939 | -0.145 | 19.946 | -0.124 | 19.957 | -0.117 | 19.972 | -0.096 | 23.448 | 0.012 | 23.466 | 0.007 | 23.483 | 0.028 | 23.499 | 0.070 |
| 19.974 | -0.089 | 19.981 | -0.055 | 19.993 | -0.095 | 20.003 | -0.122 | 23.516 | 0.105 | 23.533 | 0.146 | 23.555 | 0.155 | 23.568 | 0.195 |
| 20.015 | -0.148 | 20.026 | -0.168 | 20.030 | -0.168 | 20.050 | -0.133 | 23.586 | 0.195 | 23.600 | 0.141 | 23.617 | 0.087 | 23.637 | 0.060 |
| 20.063 | -0.092 | 20.080 | -0.071 | 20.083 | -0.077 | 20.095 | -0.057 | 23.654 | 0.054 | 23.670 | 0.068 | 23.686 | 0.075 | 23.705 | 0.061 |
| 20.119 | -0.078 | 20.137 | -0.085 | 20.143 | -0.119 | 20.164 | -0.160 | 23.724 | 0.040 | 23.739 | 0.033 | 23.754 | 0.040 | 23.768 | 0.033 |
| 20.174 | -0.195 | 20.196 | -0.236 | 20.202 | -0.277 | 20.227 | -0.312 | 23.789 | 0.012 | 23.806 | -0.042 | 23.827 | -0.077 | 23.847 | -0.077 |
| 20.243 | -0.339 | 20.247 | -0.366 | 20.262 | -0.331 | 20.270 | -0.324 | 23.868 | -0.049 | 23.884 | -0.055 | 23.901 | -0.105 | 23.911 | -0.125 |
| 20.277 | -0.317 | 20.296 | -0.290 | 20.307 | -0.289 | 20.314 | -0.275 | 23.928 | -0.135 | 23.941 | -0.100 | 23.956 | -0.086 | 23.974 | -0.092 |
| 20.320 | -0.256 | 20.337 | -0.309 | 20.349 | -0.336 | 20.361 | -0.370 | 23.952 | -0.119 | 24.011 | -0.125 | 24.028 | -0.118 | 24.046 | -0.097 |
| 20.371 | -0.369 | 20.373 | -0.376 | 20.381 | -0.382 | 20.391 | -0.415 | 24.069 | -0.034 | 24.085 | -0.008 | 24.107 | -0.016 | 24.127 | -0.003 |
| 20.401 | -0.435 | 20.414 | -0.440 | 20.427 | -0.439 | 20.441 | -0.424 | 24.143 | -0.003 | 24.163 | -0.008 | 24.180 | -0.000 | 24.205 | -0.049 |
| 20.463 | -0.395 | 20.483 | -0.379 | 20.506 | -0.323 | 20.530 | -0.275 | 24.229 | 0.097 | 24.252 | 0.056 | 24.270 | -0.012 | 24.288 | -0.046 |
| 20.550 | -0.308 | 20.567 | -0.348 | 20.584 | -0.341 | 20.610 | -0.286 | 24.305 | -0.045 | 24.320 | -0.032 | 24.336 | -0.025 | 24.357 | -0.031 |
| 20.629 | -0.225 | 20.653 | -0.198 | 20.678 | -0.157 | 20.696 | -0.116 | 24.376 | -0.058 | 24.385 | -0.052 | 24.410 | -0.133 | 24.424 | -0.105 |
| 20.711 | -0.076 | 20.726 | -0.090 | 20.745 | -0.117 | 20.766 | -0.131 | 24.441 | -0.078 | 24.456 | -0.044 | 24.477 | -0.037 | 24.492 | -0.036 |
| 20.777 | -0.117 | 20.787 | -0.104 | 20.801 | -0.083 | 20.819 | -0.077 | 24.510 | -0.032 | 24.525 | -0.039 | 24.542 | -0.080 | 24.555 | -0.080 |
| 20.840 | -0.049 | 20.862 | 0.020 | 20.875 | 0.055 | 20.891 | 0.090 | 24.576 | -0.034 | 24.593 | -0.008 | 24.614 | -0.014 | 24.628 | -0.014 |
| 20.905 | -0.090 | 20.924 | 0.064 | 20.938 | 0.031 | 20.956 | -0.000 | 24.648 | -0.034 | 24.661 | -0.020 | 24.675 | -0.013 | 24.695 | -0.042 |
| 20.973 | -0.007 | 20.988 | -0.005 | 21.003 | -0.004 | 21.023 | 0.025 | 24.712 | 0.063 | 24.731 | 0.077 | 24.750 | -0.043 | 24.764 | -0.004 |
| 21.043 | 0.081 | 21.058 | 0.130 | 21.078 | 0.166 | 21.091 | 0.139 | 24.789 | -0.051 | 24.806 | -0.044 | 24.821 | -0.023 | 24.844 | -0.004 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 24.860 | 0.011 | 24.883 | -0.002 | 24.899 | -0.008 | 24.920 | -0.014 | 27.886 | 0.208 | 27.897 | 0.150 | 27.906 | 0.171 | 27.915 | 0.172 |
| 24.941 | -0.054 | 24.958 | -0.066 | 24.979 | -0.079 | 25.000 | -0.077 | 27.931 | 0.174 | 27.940 | 0.183 | 27.948 | 0.191 | 27.960 | 0.192 |
| 25.023 | -0.056 | 25.047 | -0.108 | 25.069 | -0.086 | 25.090 | -0.065 | 27.970 | 0.187 | 27.980 | 0.155 | 27.987 | 0.135 | 28.005 | 0.104 |
| 25.109 | -0.023 | 25.132 | 0.027 | 25.168 | 0.042 | 25.193 | 0.030 | 28.018 | 0.086 | 28.032 | 0.067 | 28.048 | 0.057 | 28.057 | 0.024 |
| 25.218 | 0.011 | 25.232 | 0.005 | 25.242 | 0.006 | 25.259 | -0.020 | 28.073 | 0.007 | 28.090 | 0.003 | 28.104 | 0.006 | 28.122 | 0.009 |
| 25.269 | -0.033 | 25.285 | -0.046 | 25.256 | -0.045 | 25.308 | -0.044 | 28.134 | 0.005 | 28.148 | -0.020 | 28.158 | -0.018 | 28.170 | -0.050 |
| 25.322 | -0.042 | 25.333 | -0.041 | 25.344 | -0.066 | *25.354 | -0.085 | 28.180 | -0.062 | 28.188 | -0.088 | 28.156 | -0.086 | 28.205 | -0.051 |
| 25.365 | -0.083 | 25.374 | -0.075 | 25.384 | -0.067 | 25.399 | -0.037 | 28.216 | -0.069 | 28.225 | -0.067 | 28.235 | -0.038 | 28.245 | -0.043 |
| 25.413 | -0.021 | 25.423 | 0.008 | 25.436 | 0.024 | 25.447 | 0.020 | 28.267 | -0.032 | 28.269 | -0.039 | 28.282 | -0.036 | 28.296 | -0.034 |
| 25.463 | 0.016 | 25.478 | 0.002 | 25.483 | -0.035 | 25.489 | -0.020 | 28.307 | -0.040 | 28.314 | -0.045 | 28.322 | -0.023 | 28.331 | -0.028 |
| 25.499 | -0.033 | 25.507 | -0.031 | 25.521 | 0.012 | 25.539 | 0.035 | 28.342 | -0.013 | 28.351 | -0.018 | 28.364 | -0.022 | 28.381 | -0.019 |
| 25.547 | 0.063 | 25.557 | 0.051 | 25.569 | 0.073 | 25.576 | 0.061 | 28.390 | -0.024 | 28.404 | -0.029 | 28.413 | -0.027 | 28.425 | -0.035 |
| 25.590 | 0.056 | 25.603 | 0.058 | 25.613 | 0.059 | 25.626 | 0.095 | 28.435 | -0.044 | 28.445 | -0.056 | 28.454 | -0.069 | 28.462 | -0.074 |
| 25.640 | 0.111 | 25.650 | 0.119 | 25.663 | 0.100 | 25.669 | 0.108 | 28.478 | -0.065 | 28.493 | -0.090 | 28.504 | -0.088 | 28.514 | -0.066 |
| 25.685 | 0.091 | 25.699 | 0.087 | 25.707 | 0.075 | 25.717 | 0.090 | 28.523 | -0.064 | 28.534 | -0.063 | 28.545 | -0.061 | 28.555 | -0.059 |
| 25.728 | 0.106 | 25.754 | 0.166 | 25.765 | 0.175 | 25.773 | 0.176 | 28.570 | -0.064 | 28.581 | -0.096 | 28.595 | -0.127 | 28.618 | -0.172 |
| 25.779 | 0.184 | 25.786 | 0.165 | 25.800 | 0.160 | 25.806 | 0.113 | 28.632 | -0.189 | 28.644 | -0.194 | 28.655 | -0.192 | 28.669 | -0.169 |
| 25.818 | 0.081 | 25.831 | 0.083 | 25.843 | 0.084 | 25.857 | 0.114 | 28.682 | -0.166 | 28.690 | -0.165 | 28.702 | -0.155 | 28.716 | -0.166 |
| 25.865 | 0.135 | 25.882 | 0.129 | 25.899 | 0.137 | 25.914 | 0.138 | 28.729 | -0.177 | 28.743 | -0.188 | 28.760 | -0.192 | 28.774 | -0.196 |
| 25.925 | 0.160 | 25.941 | 0.134 | 25.954 | 0.141 | 25.966 | 0.156 | 28.790 | -0.200 | 28.813 | -0.155 | 28.813 | -0.216 | 28.825 | -0.241 |
| 25.974 | 0.157 | 25.980 | 0.164 | 25.990 | 0.159 | 25.998 | 0.132 | 28.838 | -0.252 | 28.848 | -0.264 | 28.856 | -0.289 | 28.862 | -0.282 |
| 26.010 | 0.072 | 26.028 | 0.033 | 26.036 | 0.007 | 26.044 | -0.013 | 28.870 | -0.273 | 28.877 | -0.245 | 28.887 | -0.186 | 28.906 | -0.164 |
| 26.053 | -0.039 | 26.063 | -0.031 | 26.077 | -0.037 | 26.089 | -0.022 | 28.918 | -0.135 | 28.930 | -0.119 | 28.940 | -0.097 | 28.951 | -0.081 |
| 26.101 | -0.014 | 26.113 | 0.001 | 26.127 | 0.017 | 26.137 | 0.025 | 28.963 | -0.073 | 28.976 | -0.072 | 28.986 | -0.071 | 28.998 | -0.063 |
| 26.149 | 0.040 | 26.157 | 0.034 | 26.166 | 0.029 | 26.174 | 0.030 | 29.011 | -0.061 | 29.021 | -0.067 | 29.031 | -0.059 | 29.041 | -0.051 |
| 26.184 | 0.018 | 26.192 | 0.005 | 26.197 | 0.006 | 26.205 | 0.007 | 29.052 | -0.050 | 29.060 | -0.042 | 29.072 | -0.048 | 29.082 | -0.040 |
| 26.211 | 0.028 | 26.227 | 0.044 | 26.235 | 0.086 | 26.250 | 0.108 | 29.093 | -0.045 | 29.109 | -0.050 | 29.121 | -0.063 | 29.131 | -0.048 |
| 26.256 | 0.102 | 26.266 | 0.056 | 26.276 | 0.084 | 26.287 | 0.065 | 29.144 | -0.046 | 29.155 | -0.045 | 29.168 | -0.016 | 29.177 | -0.022 |
| 26.295 | 0.086 | 26.305 | 0.088 | 26.314 | 0.096 | 26.327 | 0.091 | 29.190 | -0.027 | 29.200 | -0.033 | 29.211 | -0.045 | 29.224 | -0.057 |
| 26.344 | 0.093 | 26.356 | 0.081 | 26.369 | 0.082 | 26.383 | 0.091 | 29.235 | -0.070 | 29.244 | -0.075 | 29.255 | -0.067 | 29.265 | -0.065 |
| 26.394 | 0.099 | 26.402 | 0.093 | 26.414 | 0.088 | 26.425 | 0.069 | 29.278 | -0.063 | 29.289 | -0.068 | 29.300 | -0.073 | 29.311 | -0.071 |
| 26.441 | 0.044 | 26.456 | 0.025 | 26.476 | 0.014 | 26.492 | 0.023 | 29.318 | -0.065 | 29.325 | -0.067 | 29.343 | -0.058 | 29.352 | -0.043 |
| 26.504 | 0.011 | 26.513 | -0.008 | 26.525 | -0.007 | 26.536 | -0.040 | 29.362 | -0.007 | 29.376 | 0.002 | 29.388 | 0.004 | 29.403 | 0.007 |
| 26.546 | -0.045 | 26.560 | -0.037 | 26.575 | -0.034 | 26.589 | -0.039 | 29.412 | 0.015 | 29.427 | 0.025 | 29.440 | 0.027 | 29.448 | 0.029 |
| 26.601 | -0.023 | 26.612 | -0.028 | 26.625 | -0.026 | 26.635 | -0.065 | 29.457 | 0.030 | 29.467 | 0.053 | 29.478 | 0.061 | 29.491 | 0.050 |
| 26.645 | -0.070 | 26.656 | -0.075 | 26.668 | -0.073 | 26.681 | -0.085 | 29.504 | 0.052 | 29.515 | 0.054 | 29.532 | 0.051 | 29.548 | 0.067 |
| 26.690 | -0.069 | 26.702 | -0.074 | 26.719 | -0.078 | 26.729 | -0.097 | 29.569 | 0.071 | 29.585 | 0.087 | 29.598 | 0.097 | 29.607 | 0.119 |
| 26.741 | -0.115 | 26.757 | -0.086 | 26.771 | -0.076 | 26.786 | -0.074 | 29.618 | 0.121 | 29.633 | 0.137 | 29.646 | 0.146 | 29.666 | 0.163 |
| 26.798 | -0.072 | 26.815 | -0.076 | 26.826 | -0.074 | 26.839 | -0.093 | 29.676 | 0.172 | 29.693 | 0.182 | 29.708 | 0.198 | 29.717 | 0.192 |
| 26.856 | -0.111 | 26.868 | -0.116 | 26.880 | -0.114 | 26.895 | -0.099 | 29.729 | 0.205 | 29.746 | 0.217 | 29.760 | 0.233 | 29.773 | 0.228 |
| 26.906 | -0.077 | 26.913 | -0.056 | 26.922 | -0.061 | 26.934 | -0.060 | 29.786 | 0.236 | 29.797 | 0.231 | 29.810 | 0.226 | 29.821 | 0.228 |
| 26.945 | -0.065 | 26.953 | -0.085 | 26.959 | -0.098 | 26.975 | -0.103 | 29.834 | 0.236 | 29.849 | 0.259 | 29.863 | 0.241 | 29.874 | 0.249 |
| 26.987 | -0.088 | 27.000 | -0.086 | 27.014 | -0.091 | 27.028 | -0.083 | 29.889 | 0.217 | 29.908 | 0.227 | 29.927 | 0.270 | 29.945 | 0.286 |
| 27.046 | -0.081 | 27.064 | -0.079 | 27.072 | -0.078 | 27.086 | -0.063 | 29.964 | 0.267 | 29.982 | 0.215 | 30.001 | 0.176 | 30.023 | 0.145 |
| 27.103 | -0.055 | 27.117 | -0.046 | 27.125 | -0.045 | 27.138 | -0.037 | 30.044 | 0.133 | 30.063 | 0.135 | 30.083 | 0.185 | 30.098 | 0.214 |
| 27.149 | -0.043 | 27.168 | -0.034 | 27.191 | -0.025 | 27.219 | -0.029 | 30.114 | 0.223 | 30.130 | 0.205 | 30.149 | 0.174 | 30.170 | 0.150 |
| 27.234 | -0.013 | 27.257 | 0.010 | 27.275 | 0.040 | 27.290 | 0.050 | 30.192 | 0.120 | 30.211 | 0.102 | 30.231 | 0.085 | 30.256 | 0.082 |
| 27.305 | 0.067 | 27.321 | 0.104 | 27.334 | 0.107 | 27.345 | 0.109 | 30.283 | 0.080 | 30.307 | 0.076 | 30.333 | 0.070 | 30.357 | 0.070 |
| 27.360 | 0.092 | 27.392 | 0.064 | 27.409 | 0.054 | 27.424 | 0.016 | 30.377 | 0.025 | 30.400 | -0.012 | 30.424 | -0.023 | 30.448 | -0.026 |
| 27.428 | 0.024 | 27.452 | 0.036 | 27.469 | 0.040 | 27.479 | 0.049 | 30.473 | -0.022 | 30.497 | 0.046 | 30.518 | -0.057 | 30.537 | -0.116 |
| 27.489 | 0.085 | 27.505 | 0.062 | 27.517 | 0.064 | 27.535 | 0.047 | 30.555 | -0.158 | 30.578 | -0.205 | 30.595 | -0.202 | 30.617 | -0.186 |
| 27.550 | 0.049 | 27.569 | 0.065 | 27.595 | 0.110 | 27.614 | 0.133 | 30.637 | -0.163 | 30.657 | -0.144 | 30.676 | -0.144 | 30.699 | -0.140 |
| 27.631 | 0.155 | 27.646 | 0.151 | 27.659 | 0.159 | 27.678 | 0.148 | 30.727 | -0.121 | 30.745 | -0.117 | 30.768 | -0.140 | 30.790 | -0.150 |
| 27.711 | 0.138 | 27.732 | 0.127 | 27.751 | 0.108 | 27.763 | 0.110 | 30.817 | -0.138 | 30.840 | -0.113 | 30.864 | -0.075 | 30.881 | -0.051 |
| 27.775 | 0.111 | 27.788 | 0.133 | 27.800 | 0.162 | 27.804 | 0.183 | 30.899 | -0.059 | 30.920 | -0.113 | 30.940 | -0.123 | 30.962 | -0.120 |
| 27.818 | 0.191 | 27.830 | 0.200 | 27.852 | 0.203 | 27.870 | 0.192 | 30.968 | -0.102 | 31.014 | -0.085 | 31.033 | -0.061 | 31.054 | -0.038 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 31.076 | -0.035 | 31.657 | -0.018 | 31.118 | -0.009 | 31.142 | 0.008 | 35.255 | -0.014 | 35.314 | C.023 | 35.325 | C.045 | 35.350 | C.055 |
| 31.166 | 0.012 | 31.191 | 0.022 | 31.212 | 0.011 | 31.231 | 0.007 | 35.370 | C.051 | 35.388 | C.060 | 35.407 | C.063 | 35.423 | 0.052 |
| 31.253 | -0.003 | 31.279 | -0.012 | 31.301 | -0.008 | 31.322 | -0.005 | 35.438 | C.026 | 35.456 | C.002 | 35.468 | C.004 | 35.483 | 0.013 |
| 31.348 | -0.001 | 31.372 | 0.024 | 31.395 | 0.041 | 31.422 | 0.073 | 35.501 | 0.043 | 35.515 | C.039 | 35.530 | C.021 | 35.545 | C.004 |
| 31.446 | 0.104 | 31.467 | 0.121 | 31.494 | 0.138 | 31.512 | 0.141 | 35.564 | -0.014 | 35.576 | -0.006 | 35.595 | C.025 | 35.613 | C.028 |
| 31.534 | 0.131 | 31.556 | 0.114 | 31.578 | 0.111 | 31.599 | 0.086 | 35.634 | C.045 | 35.648 | C.074 | 35.658 | C.096 | 35.676 | C.098 |
| 31.621 | 0.076 | 31.641 | 0.072 | 31.662 | 0.055 | 31.684 | 0.105 | 35.695 | C.094 | 35.713 | C.063 | 35.729 | C.092 | 35.745 | C.108 |
| 31.700 | 0.114 | 31.715 | 0.089 | 31.741 | 0.086 | 31.759 | 0.081 | 35.764 | C.131 | 35.783 | C.155 | 35.796 | C.177 | 35.810 | 0.151 |
| 31.781 | 0.071 | 31.802 | 0.060 | 31.820 | 0.090 | 31.839 | 0.113 | 35.827 | 0.113 | 35.841 | C.109 | 35.857 | C.118 | 35.877 | C.142 |
| 31.856 | 0.129 | 31.874 | 0.111 | 31.895 | 0.087 | 31.915 | 0.063 | 35.896 | C.158 | 35.916 | C.160 | 35.937 | C.185 | 35.953 | C.203 |
| 31.934 | 0.045 | 31.953 | 0.034 | 31.974 | 0.030 | 31.998 | 0.041 | 35.981 | C.192 | 35.996 | C.199 | 36.011 | C.156 | 36.051 | C.185 |
| 32.024 | 0.052 | 32.046 | 0.055 | 32.067 | 0.052 | 32.090 | 0.056 | 36.044 | C.152 | 36.057 | C.184 | 36.076 | C.160 | 36.155 | C.128 |
| 32.110 | 0.065 | 32.135 | 0.049 | 32.151 | 0.045 | 32.170 | 0.034 | 36.107 | C.056 | 36.123 | C.072 | 36.139 | C.062 | 36.217 | C.058 |
| 32.188 | 0.030 | 32.204 | 0.033 | 32.226 | 0.016 | 32.250 | -0.000 | 36.166 | C.056 | 36.182 | C.055 | 36.244 | C.057 | 36.283 | C.080 |
| 32.267 | -0.020 | 32.290 | -0.048 | 32.313 | -0.072 | 32.335 | -0.095 | 36.234 | C.047 | 36.247 | C.055 | 36.340 | C.087 | 36.358 | C.082 |
| 32.350 | -0.093 | 32.368 | -0.076 | 32.385 | -0.066 | 32.404 | -0.070 | 36.300 | C.096 | 36.322 | C.051 | 36.416 | C.068 | 36.439 | 0.094 |
| 32.423 | -0.087 | 32.445 | -0.083 | 32.467 | -0.086 | 32.490 | -0.082 | 36.375 | C.077 | 36.395 | C.079 | 36.492 | C.049 | 36.505 | C.030 |
| 32.509 | -0.059 | 32.525 | -0.035 | 32.545 | -0.018 | 32.567 | -0.008 | 36.456 | C.066 | 36.472 | C.061 | 36.492 | C.043 | 36.580 | 0.091 |
| 32.585 | -0.012 | 32.605 | -0.015 | 32.630 | -0.011 | 32.651 | -0.008 | 36.529 | C.005 | 36.546 | C.020 | 36.564 | C.043 | 36.580 | 0.091 |
| 32.674 | 0.002 | 32.685 | -0.009 | 32.709 | -0.026 | 32.721 | -0.045 | 36.599 | C.039 | 36.615 | C.028 | 36.635 | -C.005 | 36.652 | -C.023 |
| 32.741 | -0.035 | 32.764 | -0.012 | 32.781 | -0.009 | 32.803 | 0.000 | 36.669 | -0.021 | 36.688 | -0.011 | 36.706 | -C.021 | 36.723 | -0.039 |
| 32.825 | 0.003 | 32.844 | -0.001 | 32.866 | -0.012 | 32.888 | -0.022 | 36.743 | -0.056 | 36.762 | -C.053 | 36.775 | -C.057 | 36.800 | -C.053 |
| 32.909 | -0.026 | 32.925 | -0.031 | 32.951 | -0.049 | 32.973 | -0.060 | 36.819 | -0.078 | 36.840 | -0.057 | 36.856 | -C.102 | 36.878 | -C.100 |
| 32.992 | -0.051 | 33.013 | -0.035 | 33.033 | -0.026 | 33.056 | -0.016 | 36.902 | -0.104 | 36.918 | -C.103 | 36.943 | -C.115 | 36.963 | -0.121 |
| 33.080 | -0.013 | 33.105 | 0.003 | 33.127 | 0.005 | 33.147 | -0.000 | 36.992 | -0.126 | 37.014 | -C.109 | 37.032 | -C.106 | 37.054 | -0.103 |
| 33.166 | 0.015 | 33.190 | 0.038 | 33.213 | 0.047 | 33.232 | 0.069 | 37.072 | -C.100 | 37.091 | -C.111 | 37.107 | -C.115 | 37.127 | -C.106 |
| 33.250 | 0.050 | 33.272 | 0.025 | 33.293 | 0.027 | 33.310 | 0.036 | 37.142 | -0.096 | 37.154 | -0.081 | 37.167 | -0.072 | 37.178 | -C.070 |
| 33.329 | 0.053 | 33.350 | 0.069 | 33.370 | 0.085 | 33.393 | 0.102 | 37.193 | -C.046 | 37.210 | -0.023 | 37.227 | -C.002 | 37.243 | -C.015 |
| 33.416 | 0.118 | 33.429 | 0.134 | 33.441 | 0.108 | 33.454 | 0.076 | 37.259 | -0.046 | 37.276 | -0.062 | 37.295 | -C.078 | 37.308 | -0.089 |
| 33.473 | 0.038 | 33.491 | 0.014 | 33.513 | -0.002 | 33.531 | -0.020 | 37.324 | -C.085 | 37.340 | -0.082 | 37.355 | -C.068 | 37.374 | -C.088 |
| 33.545 | -0.010 | 33.562 | 0.013 | 33.576 | 0.043 | 33.594 | 0.094 | 37.388 | -0.085 | 37.405 | -0.082 | 37.419 | -C.066 | 37.432 | -C.070 |
| 33.610 | 0.117 | 33.626 | 0.147 | 33.637 | 0.149 | 33.650 | 0.138 | 37.449 | -0.095 | 37.465 | -0.059 | 37.483 | -C.055 | 37.502 | -0.106 |
| 33.668 | 0.100 | 33.756 | 0.034 | 33.775 | 0.064 | 33.795 | 0.032 | 37.524 | -C.109 | 37.543 | -0.099 | 37.565 | -C.075 | 37.580 | -C.059 |
| 33.737 | 0.010 | 33.826 | 0.076 | 33.702 | 0.045 | 33.719 | 0.034 | 37.595 | -C.051 | 37.612 | -0.034 | 37.632 | -C.018 | 37.653 | -C.001 |
| 33.818 | 0.086 | 33.834 | 0.088 | 33.856 | 0.072 | 33.867 | 0.046 | 37.672 | C.036 | 37.685 | C.071 | 37.701 | C.080 | 37.714 | C.076 |
| 33.866 | 0.002 | 33.904 | -0.029 | 33.916 | -0.007 | 33.932 | 0.044 | 37.727 | 0.063 | 37.741 | C.058 | 37.756 | C.057 | 37.848 | 0.093 |
| 34.018 | 0.158 | 34.033 | 0.133 | 34.048 | 0.080 | 34.065 | 0.048 | 37.792 | 0.072 | 37.811 | 0.088 | 37.830 | C.095 | 37.919 | C.104 |
| 34.080 | C.050 | 34.094 | 0.065 | 34.107 | 0.073 | 34.130 | 0.083 | 37.868 | C.089 | 37.887 | C.085 | 37.904 | C.095 | 37.985 | C.134 |
| 34.147 | 0.092 | 34.162 | 0.101 | 34.179 | 0.096 | 34.200 | 0.079 | 37.935 | 0.126 | 37.952 | 0.136 | 37.969 | C.145 | 38.052 | 0.089 |
| 34.218 | 0.061 | 34.236 | 0.029 | 34.250 | 0.024 | 34.266 | 0.026 | 38.004 | C.137 | 38.020 | C.125 | 38.036 | C.114 | 38.052 | 0.089 |
| 34.283 | C.043 | 34.297 | 0.045 | 34.313 | 0.034 | 34.328 | 0.017 | 38.066 | C.137 | 38.078 | C.059 | 38.094 | C.065 | 38.225 | 0.067 |
| 34.348 | -0.000 | 34.361 | -0.005 | 34.375 | -0.010 | 34.390 | 0.007 | 38.121 | C.106 | 38.134 | C.115 | 38.151 | C.117 | 38.168 | 0.091 |
| 34.408 | C.023 | 34.424 | 0.019 | 34.445 | -0.011 | 34.459 | -0.036 | 38.180 | C.088 | 38.194 | C.076 | 38.209 | C.080 | 38.289 | C.089 |
| 34.474 | -0.042 | 34.491 | -0.047 | 34.511 | -0.072 | 34.527 | -0.098 | 38.239 | C.091 | 38.255 | C.071 | 38.273 | C.096 | 38.353 | C.051 |
| 34.542 | -0.117 | 34.557 | -0.095 | 34.574 | -0.038 | 34.589 | 0.017 | 38.305 | C.094 | 38.322 | C.054 | 38.337 | C.075 | 38.420 | C.115 |
| 34.602 | 0.032 | 34.619 | 0.002 | 34.634 | -0.019 | 34.655 | -0.009 | 38.369 | 0.094 | 38.388 | C.050 | 38.403 | C.105 | 38.420 | C.104 |
| 34.673 | -0.007 | 34.694 | 0.004 | 34.711 | 0.004 | 34.726 | -0.042 | 38.437 | C.124 | 38.456 | C.120 | 38.471 | C.109 | 38.485 | C.104 |
| 34.743 | C.081 | 34.756 | -0.100 | 34.770 | -0.084 | 34.784 | -0.055 | 38.501 | C.124 | 38.518 | C.061 | 38.533 | C.039 | 38.545 | C.039 |
| 34.805 | -0.113 | 34.821 | -0.049 | 34.842 | -0.099 | 34.861 | -0.123 | 38.568 | C.035 | 38.585 | C.013 | 38.599 | C.039 | 38.680 | C.042 |
| 34.876 | -0.045 | 34.895 | 0.083 | 34.916 | -0.058 | 34.934 | -0.062 | 38.630 | 0.024 | 38.648 | 0.013 | 38.665 | C.008 | 38.680 | C.011 |
| 34.958 | -C.071 | 34.982 | -0.073 | 35.006 | -0.069 | 35.033 | -0.091 | 38.656 | 0.014 | 38.675 | -0.009 | 38.692 | -0.002 | 38.745 | -0.007 |
| 35.058 | -0.113 | 35.080 | -0.137 | 35.100 | -0.112 | 35.119 | -0.095 | 38.760 | -0.011 | 38.775 | -0.002 | 38.797 | -C.001 | 38.815 | -C.003 |
| 35.120 | -0.102 | 35.122 | -0.095 | 35.138 | -0.143 | 35.153 | -0.095 | 38.832 | -0.001 | 38.846 | -0.013 | 38.858 | -C.018 | 38.873 | -C.009 |
| 35.167 | -0.156 | 35.180 | -0.134 | 35.199 | -0.083 | 35.216 | -0.053 | 38.892 | -0.013 | 38.907 | -0.025 | 38.922 | -0.049 | 38.934 | -0.081 |
| 35.233 | -0.037 | 35.249 | -0.042 | 35.267 | -0.039 | 35.281 | -0.044 | 38.949 | -0.099 | 38.963 | -0.125 | 38.975 | -C.123 | 38.990 | -C.167 |
| | | | | | | | | 39.006 | -0.091 | 39.023 | -0.074 | 39.038 | -0.072 | 39.054 | -0.062 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 39.072 | -0.066 | 39.086 | -0.064 | 39.101 | -0.048 | 39.121 | -0.038 |
| 39.137 | -0.049 | 39.155 | -0.053 | 39.171 | -0.064 | 39.190 | -0.054 |
| 39.207 | -0.044 | 39.224 | -0.055 | 39.242 | -0.072 | 39.257 | -0.070 |
| 39.275 | -0.067 | 39.290 | -0.084 | 39.310 | -0.074 | 39.325 | -0.045 |
| 39.342 | -0.022 | 39.355 | 0.001 | 39.370 | 0.017 | 39.386 | 0.012 |
| 39.401 | 0.001 | 39.417 | -0.017 | 39.430 | -0.015 | 39.448 | -0.033 |
| 39.465 | -0.044 | 39.483 | -0.041 | 39.498 | -0.046 | 39.516 | -0.029 |
| 39.531 | -0.014 | 39.544 | 0.002 | 39.558 | 0.004 | 39.573 | 0.013 |
| 39.586 | 0.008 | 39.600 | 0.003 | 39.619 | -0.014 | 39.635 | -0.012 |
| 39.653 | -0.016 | 39.671 | -0.013 | 39.687 | -0.004 | 39.703 | 0.005 |
| 39.721 | 0.014 | 39.734 | 0.023 | 39.751 | 0.033 | 39.767 | 0.056 |
| 39.783 | 0.044 | 39.801 | 0.054 | 39.818 | 0.063 | 39.838 | 0.073 |
| 39.855 | 0.056 | 39.870 | 0.112 | 39.888 | 0.115 | 39.907 | 0.104 |
| 39.925 | 0.094 | 39.941 | 0.089 | 39.958 | 0.072 | 39.976 | 0.068 |
| 39.991 | 0.077 | 40.008 | 0.080 | 40.022 | 0.095 | 40.037 | 0.098 |
| 40.052 | 0.100 | 40.066 | 0.102 | 40.081 | 0.098 | 40.096 | 0.107 |
| 40.110 | 0.103 | 40.127 | 0.112 | 40.142 | 0.114 | 40.165 | 0.111 |
| 40.182 | 0.114 | 40.202 | 0.117 | 40.221 | 0.100 | 40.240 | 0.069 |
| 40.258 | 0.051 | 40.277 | 0.054 | 40.295 | 0.050 | 40.314 | 0.046 |
| 40.333 | 0.029 | 40.353 | 0.018 | 40.375 | 0.015 | 40.398 | 0.011 |
| 40.420 | 0.002 | 40.439 | 0.012 | 40.459 | 0.015 | 40.487 | 0.020 |
| 40.502 | 0.015 | 40.523 | 0.012 | 40.538 | -0.013 | 40.557 | -0.023 |
| 40.578 | -0.013 | 40.601 | -0.011 | 40.620 | -0.002 | 40.636 | -0.008 |
| 40.651 | -0.006 | 40.667 | -0.019 | 40.684 | -0.038 | | |

71.167 2/9/71 0600PST HOLLYWOOD 1760 N. ORCHID AV. 23RD FL Up

3185 PCHTS 40.660 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERU LINE FIXED FOR ZERU MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.3121 G/10.

[illegible]

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|---------|--------|---------|--------|--------|
| 4.005 | -0.656 | 4.037 | -0.860 | 4.047 | -0.564 | 4.055 | -0.506 | 7.301 | -0.486 | 7.327 | -0.617 | 7.346 | -1.025 | 7.348 | -1.051 |
| 4.066 | -0.245 | 4.077 | -0.152 | 4.096 | 0.572 | 4.106 | 0.749 | 7.360 | -0.918 | 7.378 | -0.639 | 7.391 | 0.085 | 7.407 | 0.236 |
| 4.116 | 0.820 | 4.133 | 0.736 | 4.143 | 0.546 | 4.148 | 0.349 | 7.411 | -0.152 | 7.435 | -0.144 | 7.449 | 0.436 | 7.455 | 0.356 |
| 4.153 | 0.042 | 4.180 | -0.250 | 4.188 | -0.418 | 4.204 | -0.382 | 7.465 | -0.272 | 7.495 | -0.073 | 7.501 | -0.007 | 7.504 | 0.055 |
| 4.212 | -0.453 | 4.221 | -0.365 | 4.231 | -0.232 | 4.254 | -0.033 | 7.533 | -0.024 | 7.545 | -0.029 | 7.567 | 0.015 | 7.570 | -0.170 |
| 4.256 | 0.028 | 4.277 | -0.016 | 4.281 | -0.175 | 4.299 | -0.135 | 7.592 | -0.205 | 7.594 | -0.0510 | 7.606 | -0.0718 | 7.620 | -0.135 |
| 4.311 | -0.034 | 4.318 | 0.046 | 4.336 | -0.021 | 4.344 | -0.167 | 7.634 | -0.231 | 7.644 | 0.078 | 7.660 | -0.054 | 7.686 | -0.023 |
| 4.354 | -0.317 | 4.368 | -0.401 | 4.369 | -0.375 | 4.396 | -0.357 | 7.687 | -0.151 | 7.698 | -0.151 | 7.707 | -0.240 | 7.729 | -0.195 |
| 4.400 | -0.379 | 4.404 | -0.247 | 4.420 | 0.062 | 4.420 | 0.190 | 7.753 | -0.332 | 7.769 | -0.341 | 7.785 | -0.504 | 7.790 | -0.506 |
| 4.434 | 0.235 | 4.450 | 0.248 | 4.457 | 0.358 | 4.466 | 0.406 | 7.797 | -0.468 | 7.812 | -0.265 | 7.820 | -0.216 | 7.837 | -0.176 |
| 4.501 | 0.145 | 4.520 | 0.048 | 4.536 | -0.213 | 4.537 | -0.253 | 7.861 | 0.279 | 7.861 | 0.279 | 7.877 | 0.525 | 7.891 | 1.017 |
| 4.560 | 0.003 | 4.566 | 0.290 | 4.581 | 0.135 | 4.607 | 0.056 | 7.909 | 0.902 | 7.935 | -0.451 | 7.937 | -0.022 | 7.954 | -0.557 |
| 4.612 | -0.015 | 4.620 | -0.077 | 4.626 | -0.077 | 4.639 | -0.051 | 8.005 | -0.293 | 8.005 | -0.293 | 8.027 | 0.045 | 8.028 | 0.719 |
| 4.666 | -0.068 | 4.671 | -0.192 | 4.687 | -0.216 | 4.692 | -0.197 | 8.049 | 0.562 | 8.059 | 0.681 | 8.069 | 0.687 | 8.075 | 0.532 |
| 4.705 | -0.122 | 4.716 | -0.038 | 4.729 | 0.276 | 4.743 | 0.634 | 8.108 | 0.774 | 8.108 | 0.685 | 8.146 | -0.308 | 8.159 | -0.643 |
| 4.750 | 0.749 | 4.764 | 0.798 | 4.784 | 0.793 | 4.784 | 0.859 | 8.166 | -0.634 | 8.179 | -0.502 | 8.158 | -0.344 | 8.210 | -0.167 |
| 4.830 | 0.665 | 4.832 | -1.041 | 4.846 | -1.231 | 4.870 | -1.209 | 8.225 | -0.035 | 8.225 | -0.008 | 8.250 | 0.743 | 8.265 | 1.264 |
| 4.877 | -1.205 | 4.889 | -0.612 | 4.906 | 0.135 | 4.920 | 0.378 | 8.276 | 1.220 | 8.294 | 0.675 | 8.305 | 0.605 | 8.316 | 0.446 |
| 4.944 | 0.546 | 4.959 | 0.957 | 4.969 | 1.072 | 4.977 | 0.908 | 8.336 | -0.362 | 8.358 | -0.107 | 8.366 | -1.257 | 8.373 | -1.659 |
| 4.992 | 0.546 | 5.023 | 0.152 | 5.025 | -0.259 | 5.047 | -0.467 | 8.385 | -0.707 | 8.400 | -1.546 | 8.414 | -1.327 | 8.430 | -0.849 |
| 5.051 | -0.454 | 5.082 | -0.489 | 5.092 | -0.445 | 5.097 | -0.348 | 8.446 | 0.150 | 8.476 | 1.406 | 8.493 | 1.428 | 8.504 | 1.070 |
| 5.109 | -0.308 | 5.122 | -0.180 | 5.147 | -0.008 | 5.166 | -0.176 | 8.529 | -0.030 | 8.530 | -0.386 | 8.552 | -0.476 | 8.570 | -0.414 |
| 5.166 | -0.362 | 5.187 | -0.190 | 5.205 | 0.141 | 5.220 | -0.367 | 8.592 | -0.445 | 8.607 | -0.467 | 8.639 | -0.224 | 8.642 | 0.183 |
| 5.226 | -0.646 | 5.242 | -0.359 | 5.269 | -0.183 | 5.271 | -0.015 | 8.659 | 0.223 | 8.665 | 0.161 | 8.673 | 0.267 | 8.694 | 0.267 |
| 5.334 | 0.400 | 5.315 | 0.866 | 5.335 | 0.570 | 5.336 | 0.859 | 8.724 | 0.404 | 8.727 | 0.342 | 8.746 | 0.342 | 8.762 | 0.020 |
| 5.374 | 0.666 | 5.389 | 0.111 | 5.414 | -0.128 | 5.425 | -0.560 | 8.762 | -0.374 | 8.774 | -0.484 | 8.794 | -0.794 | 8.805 | -0.807 |
| 5.441 | -1.477 | 5.450 | -1.592 | 5.481 | -1.199 | 5.483 | -0.552 | 8.817 | -1.085 | 8.829 | -1.112 | 8.836 | -1.165 | 8.848 | -0.939 |
| 5.512 | -0.638 | 5.519 | -0.138 | 5.539 | 1.201 | 5.560 | 1.409 | 8.865 | -0.590 | 8.873 | 0.046 | 8.895 | 0.236 | 8.918 | 0.157 |
| 5.573 | 1.365 | 5.581 | 1.387 | 5.594 | 1.404 | 5.615 | 1.312 | 8.929 | 0.117 | 8.935 | 0.285 | 8.955 | 0.422 | 8.977 | 0.232 |
| 5.631 | 0.799 | 5.670 | -0.133 | 5.678 | -1.747 | 5.698 | -1.519 | 8.992 | -0.077 | 8.998 | -0.073 | 9.021 | -0.060 | 9.027 | -0.436 |
| 5.720 | -1.485 | 5.755 | -0.760 | 5.775 | 0.319 | 5.793 | 0.872 | 9.047 | -0.542 | 9.061 | -0.445 | 9.077 | 0.082 | 9.105 | 0.548 |
| 5.808 | 1.075 | 5.845 | 1.243 | 5.845 | 1.252 | 5.855 | 1.045 | 9.120 | 0.572 | 9.121 | 0.824 | 9.145 | 0.369 | 9.158 | 0.258 |
| 5.869 | 0.543 | 5.893 | 0.354 | 5.899 | 0.395 | 5.908 | -0.281 | 9.171 | -0.024 | 9.185 | -0.360 | 9.207 | -0.436 | 9.211 | -0.100 |
| 5.927 | -0.670 | 5.961 | -0.970 | 5.974 | -1.041 | 5.976 | -0.909 | 9.239 | 0.294 | 9.251 | 0.395 | 9.257 | 0.046 | 9.277 | -0.343 |
| 6.009 | -0.033 | 6.025 | 0.431 | 6.040 | 0.471 | 6.043 | 0.510 | 9.289 | -0.299 | 9.312 | 0.094 | 9.353 | 0.713 | 9.354 | 1.071 |
| 6.064 | 0.493 | 6.091 | 0.404 | 6.125 | 0.356 | 6.139 | 0.130 | 9.358 | 1.093 | 9.367 | 1.016 | 9.401 | 0.310 | 9.428 | -0.731 |
| 6.160 | -0.037 | 6.171 | -0.400 | 6.192 | -0.603 | 6.206 | -0.643 | 9.442 | -1.414 | 9.469 | -1.502 | 9.467 | -1.295 | 9.523 | -0.857 |
| 6.213 | -0.762 | 6.223 | -0.590 | 6.235 | -0.205 | 6.270 | 0.105 | 9.547 | 0.508 | 9.555 | 0.866 | 9.564 | 1.140 | 9.565 | 1.158 |
| 6.279 | 0.356 | 6.287 | 0.374 | 6.303 | 0.299 | 6.307 | -0.372 | 9.588 | 1.154 | 9.619 | 0.991 | 9.634 | 0.355 | 9.661 | -0.654 |
| 6.328 | -0.841 | 6.345 | -0.472 | 6.363 | -1.005 | 6.381 | -0.116 | 9.674 | -1.064 | 9.688 | -1.112 | 9.711 | -0.573 | 9.729 | 0.281 |
| 6.387 | 0.570 | 6.415 | 1.211 | 6.429 | 1.149 | 6.439 | 0.274 | 9.723 | 0.975 | 9.774 | 1.117 | 9.787 | 1.144 | 9.806 | 1.016 |
| 6.452 | -0.155 | 6.474 | -0.367 | 6.482 | -0.363 | 6.496 | -0.327 | 9.828 | 0.893 | 9.852 | 0.411 | 9.852 | -0.367 | 9.892 | -1.078 |
| 6.503 | -0.106 | 6.515 | -0.071 | 6.527 | -0.053 | 6.548 | -0.248 | 9.903 | -1.100 | 9.917 | -0.936 | 9.928 | -0.047 | 9.950 | 0.526 |
| 6.561 | -0.217 | 6.562 | -0.169 | 6.579 | -0.186 | 6.601 | 0.074 | 9.976 | 1.169 | 9.996 | 1.024 | 10.017 | 0.458 | 10.022 | 0.113 |
| 6.622 | 0.613 | 6.649 | 1.060 | 6.659 | 1.263 | 6.695 | 1.210 | 10.057 | -0.545 | 10.073 | -1.004 | 10.073 | -1.088 | 10.094 | -0.999 |
| 6.685 | 0.702 | 6.706 | -0.766 | 6.726 | -1.217 | 6.745 | -1.283 | 10.113 | -0.574 | 10.141 | -0.264 | 10.174 | 0.780 | 10.194 | 1.059 |
| 6.745 | -1.281 | 6.764 | -0.832 | 6.791 | -0.284 | 6.811 | 0.326 | 10.200 | 1.183 | 10.213 | 0.980 | 10.242 | -0.076 | 10.256 | -0.451 |
| 6.828 | 0.454 | 6.839 | 0.362 | 6.841 | 0.339 | 6.864 | 0.216 | 10.258 | -0.571 | 10.293 | -0.546 | 10.312 | -1.051 | 10.324 | -1.047 |
| 6.875 | 0.088 | 6.901 | 0.102 | 6.912 | -0.102 | 6.917 | -0.252 | 10.364 | -0.317 | 10.386 | -0.065 | 10.394 | 0.192 | 10.414 | 0.334 |
| 6.928 | -0.252 | 6.945 | 0.040 | 6.961 | 0.142 | 6.968 | 0.018 | 10.421 | 0.395 | 10.436 | 0.387 | 10.463 | 0.228 | 10.477 | 0.055 |
| 6.980 | 0.019 | 7.000 | 0.160 | 7.006 | 0.487 | 7.020 | 0.656 | 10.480 | -0.002 | 10.491 | 0.002 | 10.514 | -0.108 | 10.523 | -0.077 |
| 7.026 | 0.625 | 7.039 | 0.324 | 7.050 | 0.081 | 7.050 | -0.020 | 10.540 | -0.387 | 10.542 | -0.542 | 10.552 | -0.431 | 10.555 | -0.431 |
| 7.074 | 0.099 | 7.084 | 0.122 | 7.092 | 0.170 | 7.107 | 0.064 | 10.570 | -0.325 | 10.601 | 0.317 | 10.604 | 0.675 | 10.626 | 0.856 |
| 7.121 | -0.426 | 7.135 | -0.483 | 7.156 | -0.129 | 7.181 | 0.220 | 10.650 | 1.179 | 10.658 | 1.078 | 10.659 | 0.985 | 10.682 | 0.052 |
| 7.192 | 0.255 | 7.198 | 0.357 | 7.220 | 0.442 | 7.231 | 0.764 | 10.689 | -1.394 | 10.698 | -1.075 | 10.725 | -0.239 | 10.741 | -0.084 |
| 7.256 | 1.448 | 7.259 | 1.569 | 7.280 | 1.318 | 7.280 | 0.420 | 10.755 | 0.098 | 10.760 | 0.126 | 10.776 | 0.116 | 10.789 | 0.027 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.807 | 0.125 | 10.819 | 0.125 | 10.825 | 0.121 | 10.834 | 0.298 | 14.191 | 0.172 | 14.197 | 0.221 | 14.204 | 0.212 | 14.215 | 0.166 |
| 10.858 | 0.533 | 10.873 | 0.502 | 10.879 | 0.484 | 10.885 | 0.356 | 14.226 | 0.119 | 14.239 | 0.022 | 14.257 | 0.123 | 14.259 | 0.132 |
| 10.916 | 0.048 | 10.928 | -0.372 | 10.940 | -0.456 | 10.971 | -0.221 | 14.266 | -0.141 | 14.270 | -0.141 | 14.279 | -0.145 | 14.286 | -0.145 |
| 10.979 | -0.225 | 11.002 | 0.138 | 11.023 | 0.474 | 11.031 | 0.009 | 14.291 | -0.162 | 14.297 | -0.166 | 14.305 | -0.175 | 14.312 | -0.157 |
| 11.064 | 0.647 | 11.067 | 0.219 | 11.088 | 0.435 | 11.118 | 0.810 | 14.320 | -0.162 | 14.325 | -0.122 | 14.332 | -0.175 | 14.332 | -0.157 |
| 11.134 | -0.512 | 11.140 | -0.969 | 11.150 | -0.902 | 11.168 | -0.810 | 14.342 | -0.062 | 14.344 | -0.082 | 14.354 | -0.086 | 14.358 | -0.082 |
| 11.189 | 0.477 | 11.228 | 0.929 | 11.234 | 0.916 | 11.240 | 0.806 | 14.366 | -0.112 | 14.373 | -0.121 | 14.379 | -0.130 | 14.382 | -0.139 |
| 11.286 | 0.391 | 11.299 | -0.311 | 11.316 | -0.316 | 11.345 | -0.696 | 14.385 | -0.143 | 14.393 | -0.142 | 14.398 | -0.147 | 14.404 | -0.156 |
| 11.352 | -0.793 | 11.374 | -0.629 | 11.396 | -0.441 | 11.411 | 0.441 | 14.410 | -0.152 | 14.416 | -0.138 | 14.424 | -0.094 | 14.431 | -0.076 |
| 11.427 | 0.634 | 11.436 | 0.644 | 11.461 | 0.378 | 11.479 | 0.450 | 14.446 | 0.048 | 14.453 | 0.087 | 14.462 | 0.176 | 14.468 | 0.207 |
| 11.485 | -0.335 | 11.496 | -0.107 | 11.520 | -0.235 | 11.565 | -0.181 | 14.472 | 0.269 | 14.480 | 0.212 | 14.482 | 0.327 | 14.491 | 0.331 |
| 11.545 | -0.270 | 11.563 | -0.394 | 11.569 | -0.478 | 11.586 | -0.358 | 14.498 | 0.336 | 14.501 | 0.327 | 14.509 | 0.322 | 14.517 | 0.305 |
| 11.613 | -0.058 | 11.624 | 0.040 | 11.643 | 0.040 | 11.648 | 0.119 | 14.525 | 0.292 | 14.530 | 0.270 | 14.543 | 0.244 | 14.552 | 0.208 |
| 11.668 | 0.300 | 11.684 | 0.358 | 11.658 | 0.267 | 11.719 | 0.035 | 14.563 | 0.155 | 14.570 | 0.058 | 14.582 | 0.003 | 14.595 | -0.105 |
| 11.736 | -0.212 | 11.755 | -0.375 | 11.784 | -0.339 | 11.786 | -0.348 | 14.604 | -0.153 | 14.607 | -0.171 | 14.610 | -0.180 | 14.619 | -0.180 |
| 11.806 | -0.321 | 11.841 | -0.254 | 11.855 | -0.077 | 11.860 | -0.061 | 14.630 | -0.175 | 14.636 | -0.144 | 14.644 | -0.113 | 14.660 | -0.024 |
| 11.908 | 0.048 | 11.916 | -0.084 | 11.949 | -0.370 | 11.950 | -0.538 | 14.667 | 0.029 | 14.677 | 0.112 | 14.684 | 0.158 | 14.688 | 0.157 |
| 11.955 | -0.502 | 12.006 | -0.417 | 12.022 | -0.032 | 12.046 | -0.508 | 14.687 | 0.255 | 14.699 | 0.308 | 14.700 | 0.344 | 14.702 | 0.361 |
| 12.050 | 0.570 | 12.079 | 0.513 | 12.112 | 0.284 | 12.135 | -0.229 | 14.706 | 0.383 | 14.710 | 0.415 | 14.718 | 0.437 | 14.722 | 0.437 |
| 12.152 | -0.618 | 12.159 | -0.644 | 12.182 | -0.485 | 12.201 | -0.227 | 14.725 | 0.437 | 14.731 | 0.428 | 14.737 | 0.379 | 14.747 | 0.291 |
| 12.238 | 0.423 | 12.256 | 0.749 | 12.277 | 0.758 | 12.285 | 0.763 | 14.745 | 0.221 | 14.755 | 0.137 | 14.759 | 0.053 | 14.763 | 0.031 |
| 12.302 | 0.622 | 12.320 | 0.367 | 12.333 | -0.050 | 12.357 | -0.328 | 14.771 | -0.111 | 14.778 | -0.155 | 14.786 | -0.186 | 14.799 | -0.200 |
| 12.364 | -0.417 | 12.379 | -0.434 | 12.392 | -0.399 | 12.425 | -0.265 | 14.805 | -0.260 | 14.815 | -0.296 | 14.820 | -0.300 | 14.841 | -0.300 |
| 12.455 | -0.039 | 12.476 | 0.240 | 12.491 | 0.306 | 12.500 | 0.320 | 14.851 | -0.295 | 14.855 | -0.281 | 14.858 | -0.277 | 14.862 | -0.268 |
| 12.521 | 0.367 | 12.537 | 0.223 | 12.562 | 0.144 | 12.582 | 0.087 | 14.870 | -0.245 | 14.876 | -0.201 | 14.879 | -0.165 | 14.881 | -0.125 |
| 12.597 | -0.098 | 12.603 | -0.155 | 12.620 | -0.230 | 12.645 | -0.339 | 14.887 | -0.065 | 14.895 | 0.012 | 14.905 | 0.057 | 14.911 | 0.111 |
| 12.671 | -0.454 | 12.695 | -0.391 | 12.698 | -0.246 | 12.700 | -0.237 | 14.913 | 0.124 | 14.919 | 0.125 | 14.926 | 0.098 | 14.932 | 0.058 |
| 12.702 | 0.229 | 12.704 | -0.221 | 12.706 | -0.213 | 12.708 | -0.205 | 14.938 | 0.023 | 14.942 | -0.016 | 14.945 | -0.038 | 14.950 | -0.064 |
| 12.710 | -0.197 | 12.720 | -0.210 | 12.731 | -0.187 | 12.743 | -0.236 | 14.956 | -0.104 | 14.963 | -0.125 | 14.969 | -0.165 | 14.977 | -0.195 |
| 12.762 | -0.253 | 12.778 | -0.129 | 12.791 | 0.013 | 12.806 | 0.085 | 14.984 | -0.248 | 14.986 | -0.252 | 14.994 | -0.286 | 15.002 | -0.313 |
| 12.819 | 0.050 | 12.831 | -0.020 | 12.840 | -0.090 | 12.851 | -0.121 | 15.011 | -0.304 | 15.029 | -0.237 | 15.035 | -0.166 | 15.047 | -0.094 |
| 12.863 | -0.129 | 12.875 | -0.177 | 12.886 | -0.247 | 12.899 | -0.221 | 15.050 | -0.050 | 15.057 | -0.001 | 15.064 | 0.044 | 15.072 | 0.057 |
| 12.909 | -0.123 | 12.922 | -0.048 | 12.946 | -0.030 | 12.955 | -0.038 | 15.085 | 0.049 | 15.092 | 0.036 | 15.096 | 0.023 | 15.101 | 0.010 |
| 12.969 | -0.069 | 12.979 | -0.122 | 12.988 | -0.206 | 13.004 | -0.074 | 15.106 | -0.011 | 15.116 | -0.037 | 15.121 | -0.028 | 15.125 | -0.015 |
| 13.012 | -0.193 | 13.024 | -0.220 | 13.035 | -0.290 | 13.051 | -0.056 | 15.131 | 0.003 | 15.138 | 0.036 | 15.146 | 0.074 | 15.154 | 0.078 |
| 13.059 | 0.037 | 13.074 | 0.143 | 13.088 | 0.160 | 13.099 | 0.076 | 15.168 | 0.069 | 15.169 | 0.061 | 15.177 | 0.030 | 15.185 | 0.008 |
| 13.110 | 0.028 | 13.121 | 0.015 | 13.138 | 0.121 | 13.152 | 0.214 | 15.195 | -0.019 | 15.201 | -0.036 | 15.210 | -0.071 | 15.217 | -0.102 |
| 13.169 | 0.188 | 13.183 | 0.073 | 13.199 | -0.019 | 13.218 | 0.083 | 15.226 | -0.146 | 15.233 | -0.155 | 15.244 | -0.137 | 15.249 | -0.124 |
| 13.233 | 0.255 | 13.248 | 0.352 | 13.262 | 0.450 | 13.279 | 0.494 | 15.257 | -0.111 | 15.264 | -0.124 | 15.272 | -0.132 | 15.277 | -0.168 |
| 13.293 | 0.458 | 13.312 | 0.368 | 13.327 | 0.251 | 13.338 | 0.172 | 15.283 | -0.212 | 15.291 | -0.283 | 15.296 | -0.300 | 15.298 | -0.309 |
| 13.356 | 0.207 | 13.370 | 0.256 | 13.386 | 0.181 | 13.401 | 0.137 | 15.306 | -0.309 | 15.310 | -0.305 | 15.315 | -0.282 | 15.325 | -0.265 |
| 13.411 | 0.190 | 13.421 | 0.120 | 13.434 | 0.204 | 13.444 | 0.205 | 15.331 | -0.216 | 15.339 | -0.145 | 15.351 | -0.079 | 15.358 | -0.026 |
| 13.454 | 0.205 | 13.468 | 0.334 | 13.481 | 0.458 | 13.493 | 0.521 | 15.362 | 0.019 | 15.376 | 0.102 | 15.382 | 0.138 | 15.391 | 0.147 |
| 13.507 | 0.530 | 13.518 | 0.500 | 13.531 | 0.365 | 13.544 | 0.262 | 15.399 | 0.143 | 15.401 | 0.134 | 15.407 | 0.116 | 15.412 | 0.081 |
| 13.554 | 0.121 | 13.565 | 0.037 | 13.579 | -0.042 | 13.591 | -0.112 | 15.415 | 0.019 | 15.428 | -0.025 | 15.432 | -0.078 | 15.435 | -0.122 |
| 13.607 | -0.152 | 13.623 | -0.103 | 13.642 | -0.040 | 13.654 | -0.027 | 15.441 | -0.157 | 15.447 | -0.161 | 15.453 | -0.157 | 15.462 | -0.121 |
| 13.666 | 0.009 | 13.680 | -0.004 | 13.689 | -0.048 | 13.697 | -0.017 | 15.465 | -0.104 | 15.471 | -0.077 | 15.477 | -0.015 | 15.481 | -0.007 |
| 13.708 | -0.110 | 13.722 | -0.079 | 13.740 | -0.030 | 13.755 | -0.114 | 15.485 | 0.069 | 15.490 | 0.122 | 15.495 | 0.144 | 15.497 | 0.193 |
| 13.770 | -0.277 | 13.783 | -0.356 | 13.791 | -0.427 | 13.806 | -0.286 | 15.497 | 0.228 | 15.505 | 0.277 | 15.511 | 0.352 | 15.514 | 0.383 |
| 13.818 | -0.118 | 13.828 | -0.025 | 13.837 | 0.050 | 13.853 | 0.037 | 15.516 | 0.406 | 15.523 | 0.432 | 15.527 | 0.446 | 15.531 | 0.450 |
| 13.867 | 0.064 | 13.875 | 0.051 | 13.890 | 0.055 | 13.903 | 0.051 | 15.536 | 0.446 | 15.541 | 0.432 | 15.545 | 0.445 | 15.551 | 0.452 |
| 13.915 | -0.086 | 13.927 | -0.245 | 13.940 | -0.399 | 13.953 | -0.434 | 15.553 | 0.349 | 15.558 | 0.305 | 15.563 | 0.278 | 15.566 | 0.252 |
| 13.970 | -0.341 | 13.982 | -0.243 | 14.004 | -0.030 | 14.022 | -0.152 | 15.573 | 0.199 | 15.577 | 0.146 | 15.581 | 0.119 | 15.584 | 0.088 |
| 14.033 | 0.219 | 14.041 | 0.206 | 14.056 | 0.145 | 14.071 | -0.049 | 15.587 | 0.053 | 15.594 | 0.031 | 15.600 | -0.009 | 15.619 | -0.008 |
| 14.085 | -0.270 | 14.099 | -0.349 | 14.114 | -0.366 | 14.133 | -0.343 | 15.633 | -0.008 | 15.638 | 0.005 | 15.647 | 0.023 | 15.650 | 0.045 |
| 14.149 | -0.245 | 14.167 | -0.098 | 14.176 | 0.017 | 14.184 | 0.110 | 15.659 | 0.081 | 15.663 | 0.112 | 15.672 | 0.138 | 15.680 | 0.147 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 15.655 | C.139 | 15.691 | 0.130 | 15.696 | 0.126 | 15.700 | 0.112 | 17.342 | 0.067 | 17.347 | G.120 | 17.352 | C.182 | 17.363 | 0.266 |
| 15.705 | 0.090 | 15.711 | 0.059 | 15.716 | 0.033 | 15.721 | 0.016 | 17.366 | 0.301 | 17.374 | 0.315 | 17.384 | 0.306 | 17.395 | 0.284 |
| 15.729 | -0.086 | 15.733 | -0.126 | 15.743 | -0.126 | 15.749 | -0.016 | 17.403 | 0.253 | 17.415 | 0.222 | 17.418 | 0.178 | 17.427 | 0.129 |
| 15.754 | -0.152 | 15.761 | -0.148 | 15.767 | -0.139 | 15.780 | -0.090 | 17.433 | 0.103 | 17.442 | 0.010 | 17.447 | -0.039 | 17.458 | -0.127 |
| 15.786 | -0.076 | 15.793 | -0.041 | 15.796 | 0.003 | 15.803 | 0.065 | 17.461 | -0.132 | 17.474 | -0.167 | 17.479 | -0.154 | 17.487 | -0.145 |
| 15.806 | 0.110 | 15.812 | 0.167 | 15.819 | 0.238 | 15.826 | 0.300 | 17.501 | -0.115 | 17.524 | -0.102 | 17.532 | -0.093 | 17.541 | -0.084 |
| 15.830 | 0.335 | 15.833 | 0.389 | 15.841 | 0.451 | 15.849 | 0.464 | 17.548 | -0.062 | 17.553 | -0.049 | 17.557 | -0.027 | 17.565 | 0.012 |
| 15.857 | 0.455 | 15.866 | 0.438 | 15.870 | 0.385 | 15.877 | 0.354 | 17.569 | 0.057 | 17.577 | 0.118 | 17.580 | 0.154 | 17.582 | 0.189 |
| 15.885 | 0.275 | 15.890 | 0.248 | 15.895 | 0.142 | 15.900 | 0.054 | 17.588 | 0.224 | 17.596 | 0.258 | 17.599 | 0.273 | 17.605 | 0.268 |
| 15.905 | -0.043 | 15.907 | -0.096 | 15.915 | -0.153 | 15.921 | -0.246 | 17.610 | 0.224 | 17.617 | 0.220 | 17.617 | 0.198 | 17.625 | 0.087 |
| 15.925 | -0.308 | 15.928 | -0.348 | 15.931 | -0.370 | 15.936 | -0.352 | 17.632 | 0.065 | 17.635 | 0.035 | 17.641 | -0.041 | 17.646 | -0.080 |
| 15.941 | -0.400 | 15.944 | -0.414 | 15.952 | -0.413 | 15.954 | -0.396 | 17.648 | -0.111 | 17.651 | -0.169 | 17.656 | -0.204 | 17.660 | -0.230 |
| 15.959 | -0.369 | 15.965 | -0.311 | 15.970 | -0.267 | 15.976 | -0.231 | 17.670 | -0.219 | 17.680 | -0.219 | 17.691 | -0.261 | 17.697 | -0.243 |
| 15.979 | -0.191 | 15.985 | -0.136 | 15.987 | -0.089 | 15.992 | -0.063 | 17.701 | -0.212 | 17.709 | -0.181 | 17.717 | -0.110 | 17.724 | -0.035 |
| 15.993 | -0.032 | 16.003 | 0.031 | 16.008 | 0.040 | 16.015 | 0.035 | 17.733 | 0.010 | 17.736 | 0.032 | 17.746 | 0.068 | 17.756 | 0.059 |
| 16.026 | 0.034 | 16.037 | 0.023 | 16.047 | 0.023 | 16.055 | 0.041 | 17.772 | 0.086 | 17.781 | 0.078 | 17.797 | 0.105 | 17.805 | 0.127 |
| 16.059 | 0.059 | 16.065 | 0.073 | 16.070 | 0.055 | 16.077 | 0.126 | 17.819 | 0.190 | 17.833 | 0.150 | 17.837 | 0.177 | 17.843 | 0.168 |
| 16.079 | 0.144 | 16.083 | 0.144 | 16.092 | 0.127 | 16.099 | 0.076 | 17.855 | 0.151 | 17.859 | 0.129 | 17.866 | 0.103 | 17.871 | 0.081 |
| 16.106 | 0.034 | 16.110 | -0.001 | 16.113 | -0.045 | 16.115 | -0.076 | 17.878 | 0.046 | 17.889 | -0.016 | 17.894 | -0.029 | 17.900 | -0.077 |
| 16.118 | -0.111 | 16.123 | -0.186 | 16.126 | -0.226 | 16.128 | -0.261 | 17.907 | -0.095 | 17.913 | -0.135 | 17.922 | -0.183 | 17.930 | -0.201 |
| 16.134 | -0.283 | 16.137 | -0.256 | 16.142 | -0.296 | 16.149 | -0.287 | 17.943 | -0.188 | 17.954 | -0.157 | 17.964 | -0.095 | 17.978 | -0.020 |
| 16.159 | -0.273 | 16.163 | -0.264 | 16.168 | -0.260 | 16.172 | -0.251 | 17.989 | 0.069 | 17.998 | 0.127 | 18.010 | 0.144 | 18.016 | 0.149 |
| 16.178 | -0.015 | 16.184 | -0.029 | 16.190 | -0.113 | 16.194 | -0.064 | 18.026 | 0.127 | 18.034 | 0.056 | 18.045 | 0.038 | 18.050 | -0.006 |
| 16.213 | 0.140 | 16.215 | 0.157 | 16.221 | 0.233 | 16.225 | 0.335 | 18.069 | -0.068 | 18.077 | -0.077 | 18.095 | -0.125 | 18.102 | -0.156 |
| 16.237 | 0.347 | 16.237 | 0.402 | 16.244 | 0.472 | 16.255 | 0.481 | 18.112 | -0.183 | 18.126 | -0.183 | 18.138 | -0.152 | 18.152 | -0.112 |
| 16.260 | 0.466 | 16.266 | 0.423 | 16.279 | 0.252 | 16.288 | 0.164 | 18.174 | -0.064 | 18.190 | 0.020 | 18.201 | -0.024 | 18.217 | -0.024 |
| 16.300 | 0.041 | 16.303 | -0.047 | 16.307 | -0.103 | 16.316 | -0.160 | 18.228 | 0.060 | 18.314 | 0.047 | 18.336 | 0.012 | 18.365 | -0.005 |
| 16.324 | -0.246 | 16.332 | -0.277 | 16.335 | -0.299 | 16.338 | -0.299 | 18.346 | 0.000 | 18.396 | 0.018 | 18.411 | 0.058 | 18.434 | 0.050 |
| 16.347 | -0.286 | 16.355 | -0.268 | 16.369 | -0.237 | 16.372 | -0.237 | 18.445 | -0.059 | 18.455 | -0.003 | 18.465 | -0.020 | 18.468 | 0.074 |
| 16.380 | -0.214 | 16.386 | -0.210 | 16.391 | -0.205 | 16.404 | -0.152 | 18.513 | 0.114 | 18.531 | 0.106 | 18.537 | 0.088 | 18.550 | 0.057 |
| 16.409 | -0.130 | 16.414 | -0.103 | 16.422 | -0.055 | 16.438 | -0.001 | 18.570 | 0.045 | 18.579 | 0.018 | 18.592 | -0.017 | 18.597 | -0.034 |
| 16.445 | 0.043 | 16.453 | 0.075 | 16.465 | 0.124 | 16.478 | 0.186 | 18.605 | -0.070 | 18.612 | -0.056 | 18.619 | -0.011 | 18.628 | -0.123 |
| 16.488 | 0.213 | 16.503 | 0.218 | 16.514 | 0.174 | 16.520 | 0.134 | 18.647 | -0.087 | 18.658 | 0.001 | 18.669 | 0.055 | 18.685 | 0.041 |
| 16.523 | -0.121 | 16.554 | -0.179 | 16.564 | -0.231 | 16.570 | -0.235 | 18.727 | 0.046 | 18.746 | 0.037 | 18.756 | 0.024 | 18.778 | 0.011 |
| 16.546 | -0.235 | 16.591 | -0.235 | 16.597 | -0.217 | 16.600 | -0.190 | 18.800 | 0.037 | 18.808 | 0.082 | 18.827 | 0.161 | 18.838 | 0.179 |
| 16.575 | -0.168 | 16.631 | -0.167 | 16.639 | -0.162 | 16.646 | -0.136 | 18.852 | 0.148 | 18.856 | 0.117 | 18.868 | 0.055 | 18.878 | 0.002 |
| 16.609 | -0.118 | 16.657 | -0.096 | 16.665 | -0.056 | 16.673 | -0.015 | 18.895 | -0.060 | 18.903 | -0.057 | 18.926 | -0.083 | 18.938 | -0.003 |
| 16.681 | 0.056 | 16.690 | 0.100 | 16.700 | 0.162 | 16.710 | 0.207 | 18.949 | 0.054 | 18.967 | 0.111 | 18.977 | 0.129 | 18.988 | 0.120 |
| 16.723 | 0.269 | 16.729 | 0.283 | 16.736 | 0.296 | 16.745 | 0.305 | 19.000 | -0.076 | 19.016 | 0.018 | 19.023 | -0.026 | 19.030 | -0.026 |
| 16.753 | 0.314 | 16.768 | 0.257 | 16.772 | 0.204 | 16.778 | 0.160 | 19.038 | -0.026 | 19.050 | 0.018 | 19.060 | 0.076 | 19.071 | 0.182 |
| 16.785 | 0.081 | 16.790 | 0.050 | 16.796 | -0.056 | 16.807 | -0.188 | 19.091 | 0.231 | 19.099 | 0.210 | 19.107 | 0.175 | 19.115 | 0.082 |
| 16.813 | -0.241 | 16.826 | -0.262 | 16.832 | -0.245 | 16.854 | -0.142 | 19.123 | 0.016 | 19.129 | -0.015 | 19.129 | -0.108 | 19.136 | -0.178 |
| 16.860 | -0.080 | 16.871 | -0.023 | 16.876 | 0.021 | 16.888 | 0.061 | 19.140 | -0.235 | 19.146 | -0.284 | 19.150 | -0.328 | 19.167 | -0.345 |
| 16.855 | 0.070 | 16.904 | 0.057 | 16.916 | 0.022 | 16.932 | 0.0 | 19.176 | -0.309 | 19.182 | -0.243 | 19.189 | -0.180 | 19.197 | -0.105 |
| 16.943 | -0.022 | 16.954 | -0.036 | 16.961 | -0.013 | 16.969 | 0.018 | 19.205 | -0.056 | 19.212 | -0.025 | 19.234 | -0.037 | 19.253 | -0.032 |
| 16.958 | 0.071 | 17.000 | 0.058 | 17.019 | 0.133 | 17.025 | 0.147 | 19.263 | 0.064 | 19.269 | 0.058 | 19.282 | -0.132 | 19.303 | -0.154 |
| 17.032 | -0.112 | 17.037 | -0.081 | 17.056 | -0.030 | 17.060 | -0.060 | 19.319 | -0.104 | 19.335 | -0.095 | 19.343 | -0.112 | 19.350 | -0.143 |
| 17.075 | -0.171 | 17.082 | -0.224 | 17.093 | -0.208 | 17.105 | -0.285 | 19.365 | -0.182 | 19.365 | -0.200 | 19.371 | -0.235 | 19.386 | -0.274 |
| 17.112 | -0.272 | 17.121 | -0.249 | 17.134 | -0.156 | 17.147 | -0.057 | 19.394 | -0.214 | 19.401 | -0.200 | 19.412 | -0.154 | 19.421 | -0.123 |
| 17.155 | -0.045 | 17.167 | -0.031 | 17.183 | -0.030 | 17.189 | 0.001 | 19.426 | -0.084 | 19.438 | 0.010 | 19.443 | 0.045 | 19.456 | 0.069 |
| 17.202 | 0.077 | 17.207 | 0.116 | 17.220 | 0.161 | 17.230 | 0.162 | 19.463 | 0.103 | 19.475 | 0.107 | 19.485 | 0.077 | 19.493 | 0.019 |
| 17.244 | 0.131 | 17.250 | 0.109 | 17.263 | 0.061 | 17.265 | 0.039 | 19.502 | -0.060 | 19.507 | -0.104 | 19.512 | -0.148 | 19.524 | -0.152 |
| 17.275 | -0.005 | 17.281 | -0.040 | 17.291 | -0.057 | 17.296 | -0.106 | 19.538 | -0.188 | 19.553 | -0.152 | 19.562 | -0.125 | 19.573 | -0.072 |
| 17.307 | -0.110 | 17.315 | -0.105 | 17.321 | -0.026 | 17.326 | 0.010 | 19.580 | -0.037 | 19.588 | 0.012 | 19.596 | 0.039 | 19.606 | 0.100 |
| | | | | | | | | 19.626 | 0.102 | 19.631 | 0.080 | 19.642 | 0.018 | 19.647 | -0.013 |

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|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| 19.652 | -0.066 | 19.661 | -0.092 | 19.670 | -0.123 | 19.676 | -0.163 | 22.945 | -0.147 | 22.969 | -0.176 | 22.984 | -0.149 | 23.006 | -0.121 |
| 19.688 | -0.180 | 19.687 | -0.180 | 19.705 | -0.171 | 19.712 | -0.149 | 23.016 | -0.076 | 23.028 | -0.035 | 23.037 | -0.023 | 23.056 | -0.059 |
| 19.718 | -0.118 | 19.728 | -0.086 | 19.737 | -0.042 | 19.755 | -0.024 | 23.066 | -0.009 | 23.080 | -0.056 | 23.090 | -0.035 | 23.102 | -0.009 |
| 19.771 | -0.118 | 19.779 | -0.030 | 19.789 | -0.053 | 19.800 | -0.088 | 23.117 | -0.030 | 23.130 | -0.073 | 23.146 | -0.112 | 23.154 | -0.147 |
| 19.810 | -0.120 | 19.824 | -0.147 | 19.840 | -0.156 | 19.845 | -0.148 | 23.165 | -0.208 | 23.173 | -0.274 | 23.178 | -0.295 | 23.185 | -0.295 |
| 19.853 | -0.122 | 19.858 | -0.095 | 19.866 | -0.056 | 19.872 | -0.016 | 23.192 | -0.277 | 23.209 | -0.174 | 23.216 | -0.117 | 23.234 | -0.032 |
| 19.880 | -0.061 | 19.884 | -0.045 | 19.906 | -0.058 | 19.922 | -0.062 | 23.243 | -0.003 | 23.267 | -0.031 | 23.277 | -0.040 | 23.283 | -0.066 |
| 19.935 | -0.062 | 19.949 | -0.012 | 19.964 | -0.072 | 19.975 | -0.143 | 23.290 | -0.003 | 23.298 | -0.111 | 23.315 | -0.151 | 23.327 | -0.121 |
| 19.988 | -0.236 | 20.013 | -0.263 | 20.026 | -0.264 | 20.041 | -0.238 | 23.331 | -0.103 | 23.345 | -0.020 | 23.351 | -0.020 | 23.358 | -0.042 |
| 20.049 | -0.267 | 20.060 | -0.150 | 20.090 | -0.050 | 20.101 | -0.035 | 23.379 | -0.081 | 23.399 | -0.080 | 23.410 | -0.075 | 23.413 | -0.058 |
| 20.109 | -0.014 | 20.130 | -0.094 | 20.155 | -0.108 | 20.163 | -0.081 | 23.438 | -0.067 | 23.450 | -0.116 | 23.458 | -0.130 | 23.472 | -0.117 |
| 20.174 | -0.011 | 20.182 | -0.051 | 20.200 | -0.086 | 20.215 | -0.073 | 23.486 | -0.069 | 23.495 | -0.034 | 23.503 | -0.008 | 23.532 | -0.001 |
| 20.231 | -0.069 | 20.244 | -0.082 | 20.248 | -0.091 | 20.270 | -0.052 | 23.547 | -0.058 | 23.569 | -0.031 | 23.588 | -0.080 | 23.609 | -0.080 |
| 20.283 | -0.001 | 20.294 | -0.063 | 20.305 | -0.133 | 20.313 | -0.173 | 23.635 | -0.034 | 23.645 | -0.032 | 23.675 | -0.004 | 23.700 | -0.030 |
| 20.325 | -0.195 | 20.331 | -0.195 | 20.340 | -0.177 | 20.348 | -0.141 | 23.721 | -0.066 | 23.729 | -0.084 | 23.738 | -0.061 | 23.757 | -0.022 |
| 20.357 | -0.101 | 20.362 | -0.087 | 20.376 | -0.122 | 20.382 | -0.148 | 23.775 | -0.111 | 23.785 | -0.137 | 23.813 | -0.146 | 23.842 | -0.115 |
| 20.392 | -0.170 | 20.410 | -0.173 | 20.429 | -0.150 | 20.450 | -0.117 | 23.851 | -0.071 | 23.865 | -0.005 | 23.874 | -0.016 | 23.889 | -0.025 |
| 20.466 | -0.099 | 20.477 | -0.076 | 20.486 | -0.054 | 20.496 | -0.014 | 23.902 | -0.047 | 23.917 | -0.077 | 23.935 | -0.086 | 23.946 | -0.121 |
| 20.505 | -0.031 | 20.515 | -0.057 | 20.532 | -0.151 | 20.544 | -0.129 | 23.962 | -0.120 | 23.974 | -0.085 | 23.989 | -0.005 | 24.005 | -0.057 |
| 20.552 | -0.085 | 20.563 | -0.032 | 20.573 | -0.008 | 20.583 | -0.025 | 24.034 | -0.102 | 24.048 | -0.121 | 24.063 | -0.143 | 24.074 | -0.108 |
| 20.596 | -0.034 | 20.618 | -0.012 | 20.640 | -0.026 | 20.650 | -0.039 | 24.081 | -0.069 | 24.092 | -0.028 | 24.107 | -0.107 | 24.118 | -0.133 |
| 20.661 | -0.048 | 20.685 | -0.035 | 20.711 | -0.008 | 20.730 | -0.004 | 24.139 | -0.141 | 24.152 | -0.114 | 24.171 | -0.038 | 24.182 | -0.002 |
| 20.755 | -0.004 | 20.770 | -0.044 | 20.776 | -0.084 | 20.792 | -0.128 | 24.155 | -0.030 | 24.210 | -0.025 | 24.226 | -0.020 | 24.237 | -0.024 |
| 20.799 | -0.137 | 20.815 | -0.124 | 20.822 | -0.115 | 20.833 | -0.080 | 24.248 | -0.011 | 24.258 | -0.002 | 24.274 | -0.003 | 24.285 | -0.025 |
| 20.846 | -0.063 | 20.864 | -0.064 | 20.883 | -0.055 | 20.894 | -0.047 | 24.296 | -0.038 | 24.324 | -0.038 | 24.340 | -0.030 | 24.354 | -0.030 |
| 20.906 | -0.060 | 20.920 | -0.070 | 20.936 | -0.053 | 20.957 | -0.050 | 24.361 | -0.016 | 24.377 | -0.001 | 24.396 | -0.014 | 24.406 | -0.003 |
| 20.973 | -0.056 | 20.979 | -0.082 | 20.992 | -0.114 | 21.004 | -0.137 | 24.416 | -0.035 | 24.428 | -0.070 | 24.446 | -0.075 | 24.464 | -0.057 |
| 21.023 | -0.112 | 21.033 | -0.081 | 21.048 | -0.016 | 21.062 | -0.041 | 24.474 | -0.031 | 24.490 | -0.013 | 24.510 | -0.057 | 24.528 | -0.053 |
| 21.084 | -0.067 | 21.095 | -0.075 | 21.119 | -0.030 | 21.128 | -0.010 | 24.540 | -0.037 | 24.572 | -0.023 | 24.572 | -0.027 | 24.581 | -0.014 |
| 21.143 | -0.089 | 21.156 | -0.160 | 21.166 | -0.169 | 21.179 | -0.151 | 24.598 | -0.030 | 24.618 | -0.087 | 24.639 | -0.091 | 24.654 | -0.073 |
| 21.192 | -0.116 | 21.197 | -0.081 | 21.205 | -0.041 | 21.213 | -0.010 | 24.666 | -0.034 | 24.681 | -0.033 | 24.701 | -0.100 | 24.713 | -0.091 |
| 21.230 | -0.070 | 21.240 | -0.096 | 21.255 | -0.079 | 21.265 | -0.047 | 24.724 | -0.069 | 24.752 | -0.007 | 24.774 | -0.052 | 24.786 | -0.072 |
| 21.286 | -0.022 | 21.296 | -0.026 | 21.308 | -0.0 | 21.313 | -0.027 | 24.802 | -0.058 | 24.829 | -0.102 | 24.851 | -0.053 | 24.885 | -0.022 |
| 21.328 | -0.063 | 21.343 | -0.089 | 21.362 | -0.085 | 21.380 | -0.018 | 24.895 | -0.036 | 24.922 | -0.050 | 24.932 | -0.082 | 24.946 | -0.029 |
| 21.409 | -0.018 | 21.427 | -0.013 | 21.450 | -0.070 | 21.457 | -0.097 | 24.970 | -0.041 | 24.994 | -0.070 | 25.014 | -0.052 | 25.036 | -0.016 |
| 21.481 | -0.141 | 21.508 | -0.100 | 21.553 | -0.038 | 21.574 | -0.120 | 25.057 | -0.025 | 25.077 | -0.013 | 25.096 | -0.004 | 25.109 | -0.044 |
| 21.595 | -0.077 | 21.619 | -0.018 | 21.631 | -0.022 | 21.656 | -0.010 | 25.119 | -0.087 | 25.135 | -0.100 | 25.151 | -0.064 | 25.160 | -0.024 |
| 21.679 | -0.002 | 21.690 | -0.077 | 21.711 | -0.139 | 21.730 | -0.133 | 25.177 | -0.008 | 25.185 | -0.034 | 25.201 | -0.053 | 25.210 | -0.071 |
| 21.742 | -0.139 | 21.750 | -0.104 | 21.756 | -0.069 | 21.795 | -0.210 | 25.231 | -0.001 | 25.241 | -0.068 | 25.255 | -0.060 | 25.265 | -0.029 |
| 21.814 | -0.272 | 21.828 | -0.245 | 21.847 | -0.192 | 21.854 | -0.148 | 25.276 | -0.001 | 25.291 | -0.044 | 25.299 | -0.044 | 25.302 | -0.052 |
| 21.874 | -0.011 | 21.886 | -0.047 | 21.901 | -0.113 | 21.917 | -0.100 | 25.304 | -0.052 | 25.308 | -0.048 | 25.324 | -0.037 | 25.340 | -0.013 |
| 21.927 | -0.077 | 21.936 | -0.055 | 21.956 | -0.046 | 21.969 | -0.035 | *25.354 | -0.003 | 25.362 | -0.002 | 25.382 | -0.044 | 25.393 | -0.081 |
| 21.981 | -0.073 | 21.995 | -0.073 | 22.019 | -0.068 | 22.032 | -0.028 | 25.410 | -0.118 | 25.421 | -0.146 | 25.431 | -0.161 | 25.442 | -0.144 |
| 22.057 | -0.006 | 22.076 | -0.032 | 22.094 | -0.063 | 22.108 | -0.034 | 25.454 | -0.119 | 25.465 | -0.076 | 25.477 | -0.015 | 25.492 | -0.018 |
| 22.132 | -0.111 | 22.157 | -0.076 | 22.187 | -0.053 | 22.196 | -0.079 | 25.506 | -0.044 | 25.520 | -0.056 | 25.532 | -0.059 | 25.544 | -0.058 |
| 22.216 | -0.154 | 22.232 | -0.238 | 22.250 | -0.259 | 22.268 | -0.206 | 25.557 | -0.056 | 25.570 | -0.038 | 25.582 | -0.010 | 25.594 | -0.022 |
| 22.299 | -0.016 | 22.305 | -0.064 | 22.321 | -0.118 | 22.336 | -0.132 | 25.605 | -0.041 | 25.616 | -0.064 | 25.628 | -0.074 | 25.637 | -0.060 |
| 22.348 | -0.141 | 22.364 | -0.097 | 22.371 | -0.071 | 22.379 | -0.022 | 25.650 | -0.050 | 25.664 | -0.020 | 25.677 | -0.0 | 25.685 | -0.020 |
| 22.388 | -0.0 | 22.402 | -0.068 | 22.409 | -0.008 | 22.424 | -0.010 | 25.703 | -0.036 | 25.717 | -0.048 | 25.729 | -0.051 | 25.745 | -0.031 |
| 22.435 | -0.037 | 22.459 | -0.126 | 22.475 | -0.133 | 22.494 | -0.122 | 25.757 | -0.025 | 25.771 | -0.020 | 25.785 | -0.023 | 25.800 | -0.039 |
| 22.505 | -0.092 | 22.525 | -0.079 | 22.548 | -0.079 | 22.556 | -0.071 | 25.814 | -0.069 | 25.827 | -0.085 | 25.836 | -0.075 | 25.848 | -0.020 |
| 22.519 | -0.058 | 22.603 | -0.116 | 22.622 | -0.107 | 22.633 | -0.076 | 25.861 | -0.005 | 25.876 | -0.028 | 25.888 | -0.051 | 25.895 | -0.065 |
| 22.641 | -0.058 | 22.692 | -0.358 | 22.704 | -0.058 | 22.739 | -0.049 | 25.912 | -0.083 | 25.922 | -0.084 | 25.935 | -0.080 | 25.945 | -0.058 |
| 22.745 | -0.040 | 22.752 | -0.018 | 22.775 | -0.057 | 22.788 | -0.066 | 25.954 | -0.037 | 25.965 | -0.007 | 25.981 | -0.032 | 25.990 | -0.027 |
| 22.800 | -0.053 | 22.836 | -0.066 | 22.847 | -0.106 | 22.867 | -0.102 | 26.002 | -0.017 | 26.017 | -0.008 | 26.030 | -0.011 | 26.043 | -0.020 |
| 22.875 | -0.040 | 22.887 | -0.009 | 22.916 | -0.100 | 22.929 | -0.126 | 26.057 | -0.053 | 26.073 | -0.004 | 26.089 | -0.002 | 26.101 | -0.072 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 26.115 | -0.058 | 26.125 | -0.035 | 26.137 | -0.016 | 26.147 | -0.006 | 29.194 | 0.039 | 29.265 | 0.017 | 29.217 | 0.005 | 29.231 | 0.011 |
| 26.159 | -0.019 | 26.176 | -0.057 | 26.187 | -0.091 | 26.196 | -0.099 | 29.245 | 0.030 | 29.257 | 0.053 | 29.272 | 0.064 | 29.288 | 0.066 |
| 26.205 | -0.065 | 26.219 | -0.062 | 26.234 | -0.048 | 26.246 | -0.042 | 29.302 | 0.071 | 29.310 | 0.068 | 29.320 | 0.030 | 29.337 | 0.011 |
| 26.258 | -0.032 | 26.274 | -0.018 | 26.285 | -0.026 | 26.297 | -0.056 | 29.348 | 0.051 | 29.359 | 0.068 | 29.369 | 0.066 | 29.384 | -0.029 |
| 26.309 | -0.054 | 26.323 | -0.138 | 26.336 | -0.150 | 26.347 | -0.144 | 29.357 | 0.008 | 29.411 | 0.040 | 29.422 | 0.055 | 29.438 | 0.070 |
| 26.363 | -0.121 | 26.379 | -0.076 | 26.394 | -0.017 | 26.410 | 0.024 | 29.453 | 0.067 | 29.467 | 0.064 | 29.479 | 0.052 | 29.493 | 0.019 |
| 26.424 | 0.048 | 26.443 | 0.054 | 26.457 | 0.055 | 26.472 | 0.038 | 29.508 | -0.024 | 29.521 | -0.053 | 29.535 | -0.078 | 29.550 | -0.103 |
| 26.490 | 0.022 | 26.504 | 0.114 | 26.519 | 0.067 | 26.533 | 0.004 | 29.556 | -0.107 | 29.569 | -0.101 | 29.582 | -0.077 | 29.597 | -0.058 |
| 26.546 | 0.027 | 26.560 | 0.046 | 26.577 | 0.052 | 26.594 | 0.059 | 29.611 | -0.025 | 29.627 | 0.008 | 29.641 | 0.049 | 29.652 | 0.062 |
| 26.614 | 0.061 | 26.626 | 0.058 | 26.644 | 0.051 | 26.662 | 0.026 | 29.659 | 0.091 | 29.678 | 0.098 | 29.693 | 0.095 | 29.701 | 0.082 |
| 26.678 | 0.015 | 26.686 | 0.002 | 26.701 | 0.017 | 26.713 | 0.045 | 29.711 | 0.048 | 29.722 | -0.017 | 29.736 | -0.078 | 29.749 | -0.143 |
| 26.725 | 0.064 | 26.739 | 0.079 | 26.754 | 0.038 | 26.768 | 0.064 | 29.759 | -0.177 | 29.765 | -0.181 | 29.778 | -0.167 | 29.791 | -0.143 |
| 26.764 | 0.039 | 26.801 | 0.032 | 26.815 | 0.030 | 26.829 | 0.053 | 29.800 | -0.125 | 29.810 | -0.080 | 29.823 | -0.021 | 29.833 | 0.020 |
| 26.846 | 0.059 | 26.860 | 0.051 | 26.875 | 0.043 | 26.892 | 0.045 | 29.845 | 0.043 | 29.855 | 0.061 | 29.863 | 0.067 | 29.872 | 0.054 |
| 26.906 | 0.024 | 26.918 | -0.006 | 26.929 | -0.014 | 26.942 | 0.005 | 29.884 | 0.011 | 29.897 | -0.037 | 29.907 | -0.067 | 29.919 | -0.084 |
| 26.955 | 0.028 | 26.971 | 0.051 | 26.986 | 0.061 | 27.000 | 0.066 | 29.934 | -0.069 | 29.948 | -0.037 | 29.962 | -0.014 | 29.977 | 0.014 |
| 27.017 | 0.045 | 27.033 | 0.020 | 27.049 | 0.017 | 27.066 | 0.018 | 29.993 | 0.028 | 30.005 | 0.067 | 30.018 | -0.023 | 30.031 | -0.066 |
| 27.062 | 0.010 | 27.098 | 0.002 | 27.117 | -0.019 | 27.123 | -0.040 | 30.043 | -0.114 | 30.056 | -0.144 | 30.067 | -0.135 | 30.079 | -0.111 |
| 27.138 | -0.075 | 27.153 | -0.087 | 27.167 | -0.086 | 27.183 | -0.071 | 30.094 | -0.084 | 30.107 | -0.051 | 30.115 | -0.032 | 30.130 | -0.018 |
| 27.195 | -0.048 | 27.208 | -0.021 | 27.220 | 0.011 | 27.231 | 0.043 | 30.145 | -0.016 | 30.159 | -0.011 | 30.174 | 0.004 | 30.185 | 0.023 |
| 27.243 | 0.044 | 27.254 | 0.032 | 27.267 | 0.057 | 27.280 | -0.018 | 30.200 | 0.038 | 30.216 | 0.035 | 30.229 | 0.023 | 30.245 | -0.062 |
| 27.293 | -0.016 | 27.308 | -0.010 | 27.320 | -0.008 | 27.333 | -0.037 | 30.261 | -0.022 | 30.276 | -0.034 | 30.293 | -0.037 | 30.310 | -0.040 |
| 27.349 | -0.084 | 27.365 | -0.113 | 27.379 | -0.124 | 27.393 | -0.113 | 30.320 | -0.052 | 30.330 | -0.056 | 30.344 | -0.041 | 30.358 | -0.031 |
| 27.409 | 0.058 | 27.424 | -0.195 | 27.436 | -0.076 | 27.454 | -0.029 | 30.369 | -0.047 | 30.380 | -0.073 | 30.398 | -0.081 | 30.401 | -0.071 |
| 27.468 | 0.004 | 27.480 | 0.019 | 27.493 | 0.016 | 27.505 | 0.009 | 30.414 | -0.034 | 30.428 | 0.016 | 30.439 | 0.065 | 30.447 | 0.051 |
| 27.523 | 0.002 | 27.540 | 0.003 | 27.557 | 0.005 | 27.571 | -0.012 | 30.457 | 0.102 | 30.467 | 0.081 | 30.481 | 0.065 | 30.496 | 0.039 |
| 27.586 | -0.050 | 27.602 | 0.067 | 27.617 | -0.061 | 27.634 | -0.033 | 30.510 | 0.005 | 30.523 | -0.038 | 30.537 | -0.054 | 30.548 | -0.115 |
| 27.648 | -0.023 | 27.667 | -0.021 | 27.682 | -0.025 | 27.695 | -0.041 | 30.557 | -0.101 | 30.571 | -0.073 | 30.586 | -0.052 | 30.598 | -0.013 |
| 27.709 | -0.067 | 27.721 | -0.084 | 27.734 | -0.087 | 27.752 | -0.086 | 30.611 | -0.003 | 30.622 | 0.066 | 30.636 | -0.034 | 30.653 | 0.018 |
| 27.767 | -0.072 | 27.782 | -0.057 | 27.795 | -0.056 | 27.808 | -0.055 | 30.669 | 0.033 | 30.679 | 0.017 | 30.688 | -0.004 | 30.700 | -0.012 |
| 27.824 | -0.027 | 27.838 | 0.001 | 27.849 | 0.015 | 27.859 | 0.025 | 30.710 | 0.003 | 30.722 | 0.013 | 30.735 | 0.028 | 30.745 | 0.016 |
| 27.871 | 0.013 | 27.883 | -0.017 | 27.896 | -0.029 | 27.909 | -0.036 | 30.758 | -0.009 | 30.772 | -0.034 | 30.788 | -0.058 | 30.805 | -0.052 |
| 27.923 | -0.043 | 27.937 | -0.042 | 27.955 | -0.036 | 27.971 | -0.034 | 30.822 | -0.054 | 30.838 | -0.048 | 30.852 | -0.042 | 30.864 | -0.040 |
| 28.040 | 0.053 | 28.057 | 0.059 | 28.076 | 0.071 | 28.089 | 0.072 | 30.877 | -0.003 | 30.885 | 0.024 | 30.895 | 0.029 | 30.906 | 0.017 |
| 28.103 | 0.056 | 28.118 | 0.018 | 28.132 | -0.024 | 28.147 | -0.076 | 30.915 | 0.009 | 30.926 | 0.015 | 30.936 | 0.047 | 30.952 | 0.057 |
| 28.159 | -0.101 | 28.172 | -0.086 | 28.188 | -0.040 | 28.201 | 0.006 | 30.964 | 0.063 | 30.974 | 0.037 | 30.986 | -0.001 | 30.998 | -0.031 |
| 28.215 | 0.070 | 28.225 | 0.106 | 28.238 | 0.125 | 28.246 | 0.135 | 31.010 | -0.048 | 31.022 | -0.055 | 31.038 | -0.054 | 31.049 | -0.057 |
| 28.258 | 0.123 | 28.272 | 0.080 | 28.287 | 0.029 | 28.300 | -0.014 | 31.063 | -0.038 | 31.076 | -0.015 | 31.091 | -0.009 | 31.105 | 0.001 |
| 28.317 | -0.069 | 28.329 | -0.130 | 28.338 | -0.129 | 28.351 | -0.114 | 31.118 | 0.002 | 31.134 | -0.019 | 31.149 | -0.031 | 31.163 | -0.038 |
| 28.365 | -0.086 | 28.382 | -0.022 | 28.393 | 0.010 | 28.406 | 0.036 | 31.175 | -0.015 | 31.189 | 0.021 | 31.201 | 0.040 | 31.215 | 0.055 |
| 28.424 | 0.045 | 28.441 | 0.050 | 28.455 | 0.070 | 28.472 | 0.089 | 31.230 | 0.057 | 31.245 | 0.058 | 31.259 | 0.033 | 31.273 | -0.001 |
| 28.464 | 0.090 | 28.495 | 0.078 | 28.507 | 0.035 | 28.520 | -0.012 | 31.286 | -0.030 | 31.299 | -0.042 | 31.312 | -0.045 | 31.323 | -0.026 |
| 28.535 | -0.042 | 28.551 | -0.071 | 28.563 | -0.078 | 28.573 | -0.069 | 31.334 | -0.020 | 31.347 | -0.015 | 31.358 | 0.0 | 31.370 | -0.008 |
| 28.586 | -0.045 | 28.599 | -0.021 | 28.612 | 0.002 | 28.626 | 0.044 | 31.380 | 0.011 | 31.392 | 0.012 | 31.404 | 0.005 | 31.423 | 0.002 |
| 28.640 | 0.063 | 28.657 | 0.074 | 28.671 | 0.063 | 28.681 | 0.076 | 31.438 | -0.005 | 31.451 | -0.017 | 31.462 | -0.051 | 31.475 | -0.028 |
| 28.693 | 0.026 | 28.704 | -0.021 | 28.718 | -0.068 | 28.731 | -0.093 | 31.485 | -0.018 | 31.499 | -0.030 | 31.512 | -0.024 | 31.523 | -0.028 |
| 28.747 | -0.109 | 28.753 | -0.104 | 28.766 | -0.058 | 28.776 | -0.021 | 31.537 | -0.008 | 31.551 | 0.015 | 31.563 | 0.056 | 31.575 | 0.075 |
| 28.847 | 0.009 | 28.861 | 0.055 | 28.873 | 0.083 | 28.889 | 0.107 | 31.584 | 0.075 | 31.597 | 0.055 | 31.611 | 0.047 | 31.626 | 0.026 |
| 28.902 | 0.118 | 28.914 | 0.110 | 28.928 | 0.076 | 28.940 | 0.038 | 31.641 | -0.003 | 31.656 | -0.051 | 31.670 | -0.072 | 31.684 | -0.070 |
| 28.955 | -0.028 | 28.973 | -0.115 | 28.988 | -0.140 | 28.996 | -0.144 | 31.697 | -0.060 | 31.713 | -0.028 | 31.721 | -0.023 | 31.738 | -0.021 |
| 29.004 | -0.130 | 29.018 | -0.081 | 29.027 | -0.023 | 29.040 | -0.049 | 31.755 | -0.015 | 31.765 | -0.005 | 31.777 | 0.005 | 31.794 | 0.010 |
| 29.055 | 0.094 | 29.064 | 0.117 | 29.073 | 0.127 | 29.084 | 0.119 | 31.811 | 0.009 | 31.829 | 0.018 | 31.847 | 0.015 | 31.863 | -0.001 |
| 29.099 | 0.075 | 29.113 | 0.032 | 29.128 | 0.003 | 29.137 | -0.001 | 31.878 | -0.039 | 31.890 | -0.065 | 31.898 | -0.073 | 31.912 | -0.063 |
| 29.149 | 0.004 | 29.164 | 0.027 | 29.175 | 0.041 | 29.184 | 0.055 | 31.925 | -0.035 | 31.937 | -0.034 | 31.947 | -0.011 | 31.960 | 0.0 |
| | | | | | | | | 31.971 | 0.014 | 31.985 | 0.042 | 31.998 | 0.039 | 32.011 | 0.031 |
| | | | | | | | | 32.025 | 0.011 | 32.039 | -0.023 | 32.051 | -0.035 | 32.067 | -0.038 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 32.079 | -0.054 | 32.090 | -0.062 | 32.100 | -0.057 | 32.111 | -0.056 | 32.002 | -0.112 | 32.013 | -0.124 | 32.024 | -0.109 | 32.035 | -0.073 |
| 32.123 | -0.041 | 32.133 | -0.053 | 32.143 | -0.039 | 32.155 | -0.002 | 32.048 | -0.022 | 32.056 | -0.014 | 32.074 | -0.029 | 32.088 | -0.044 |
| 32.169 | -0.001 | 32.180 | -0.018 | 32.192 | -0.028 | 32.202 | 0.047 | 32.113 | -0.024 | 32.125 | -0.002 | 32.145 | -0.027 | 32.157 | -0.021 |
| 32.216 | -0.040 | 32.221 | -0.059 | 32.231 | -0.051 | 32.254 | 0.026 | 32.156 | -0.006 | 32.164 | -0.003 | 32.174 | -0.013 | 32.186 | -0.030 |
| 32.262 | -0.022 | 32.278 | -0.020 | 32.292 | -0.008 | 32.308 | -0.004 | 32.198 | -0.033 | 32.209 | -0.023 | 32.224 | -0.005 | 32.236 | -0.056 |
| 32.317 | -0.011 | 32.330 | -0.010 | 32.345 | -0.026 | 32.358 | -0.020 | 32.252 | -0.030 | 32.267 | -0.040 | 32.282 | -0.050 | 32.296 | -0.056 |
| 32.368 | -0.010 | 32.379 | -0.017 | 32.390 | -0.001 | 32.402 | -0.020 | 32.303 | -0.053 | 32.317 | -0.027 | 32.331 | -0.012 | 32.341 | -0.046 |
| 32.411 | -0.045 | 32.428 | -0.043 | 32.447 | -0.041 | 32.460 | -0.040 | 32.365 | -0.067 | 32.378 | -0.066 | 32.392 | -0.047 | 32.406 | -0.011 |
| 32.474 | -0.012 | 32.488 | -0.016 | 32.500 | -0.044 | 32.515 | -0.076 | 32.411 | -0.068 | 32.423 | -0.065 | 32.438 | -0.010 | 32.452 | -0.029 |
| 32.525 | -0.100 | 32.538 | -0.097 | 32.551 | -0.089 | 32.566 | -0.082 | 32.461 | -0.013 | 32.474 | -0.021 | 32.489 | -0.056 | 32.504 | -0.063 |
| 32.581 | -0.057 | 32.595 | -0.032 | 32.611 | -0.006 | 32.626 | -0.026 | 32.491 | -0.053 | 32.505 | -0.017 | 32.516 | -0.011 | 32.531 | -0.035 |
| 32.642 | -0.034 | 32.657 | -0.032 | 32.675 | -0.013 | 32.687 | -0.006 | 32.544 | -0.041 | 32.559 | -0.035 | 32.574 | -0.068 | 32.588 | -0.085 |
| 32.764 | -0.043 | 32.776 | -0.093 | 32.785 | -0.129 | 32.795 | -0.148 | 32.656 | -0.054 | 32.668 | -0.082 | 32.685 | -0.051 | 32.701 | -0.050 |
| 32.748 | -0.149 | 32.763 | -0.137 | 32.780 | -0.107 | 32.794 | -0.060 | 32.611 | -0.054 | 32.626 | -0.039 | 32.642 | -0.041 | 32.658 | -0.011 |
| 32.812 | -0.013 | 32.830 | -0.025 | 32.844 | -0.055 | 32.855 | -0.081 | 32.715 | -0.058 | 32.727 | -0.039 | 32.742 | -0.011 | 32.754 | -0.048 |
| 32.868 | -0.093 | 32.879 | -0.079 | 32.891 | -0.047 | 32.905 | -0.019 | 32.765 | -0.058 | 32.782 | -0.068 | 32.793 | -0.060 | 32.807 | -0.064 |
| 32.918 | -0.017 | 32.934 | -0.049 | 32.947 | -0.073 | 32.961 | -0.105 | 32.820 | -0.034 | 32.831 | -0.073 | 32.847 | -0.063 | 32.863 | -0.096 |
| 32.974 | -0.123 | 32.984 | -0.120 | 32.997 | -0.090 | 33.011 | -0.038 | 32.878 | -0.099 | 32.890 | -0.098 | 32.902 | -0.083 | 32.914 | -0.047 |
| 33.023 | -0.015 | 33.036 | -0.067 | 33.048 | -0.079 | 33.058 | -0.091 | 32.925 | -0.015 | 32.934 | -0.018 | 32.957 | -0.041 | 32.970 | -0.065 |
| 33.072 | -0.082 | 33.081 | -0.072 | 33.088 | -0.045 | 33.101 | -0.036 | 32.985 | -0.071 | 32.997 | -0.068 | 33.011 | -0.021 | 33.023 | -0.026 |
| 33.114 | -0.026 | 33.128 | -0.025 | 33.142 | -0.029 | 33.154 | -0.050 | 33.031 | -0.056 | 33.044 | -0.068 | 33.059 | -0.061 | 33.075 | -0.046 |
| 33.168 | -0.071 | 33.177 | -0.084 | 33.189 | -0.075 | 33.204 | -0.047 | 33.089 | -0.036 | 33.101 | -0.035 | 33.115 | -0.031 | 33.128 | -0.080 |
| 33.218 | -0.042 | 33.227 | -0.050 | 33.243 | -0.080 | 33.253 | -0.097 | 33.137 | -0.074 | 33.152 | -0.046 | 33.164 | -0.031 | 33.178 | -0.025 |
| 33.269 | -0.101 | 33.284 | -0.086 | 33.296 | -0.041 | 33.308 | -0.018 | 33.245 | -0.041 | 33.258 | -0.044 | 33.273 | -0.016 | 33.282 | -0.029 |
| 33.315 | -0.050 | 33.331 | -0.090 | 33.347 | -0.123 | 33.360 | -0.106 | 33.298 | -0.096 | 33.307 | -0.118 | 33.314 | -0.132 | 33.325 | -0.124 |
| 33.370 | -0.080 | 33.380 | -0.019 | 33.393 | -0.037 | 33.404 | -0.076 | 33.404 | -0.042 | 33.418 | -0.062 | 33.433 | -0.071 | 33.448 | -0.079 |
| 33.415 | -0.084 | 33.430 | -0.082 | 33.446 | -0.081 | 33.462 | -0.079 | 33.404 | -0.042 | 33.418 | -0.062 | 33.433 | -0.071 | 33.448 | -0.079 |
| 33.474 | -0.095 | 33.487 | -0.111 | 33.500 | -0.101 | 33.516 | -0.073 | 33.462 | -0.091 | 33.475 | -0.082 | 33.491 | -0.045 | 33.504 | -0.004 |
| 33.524 | -0.027 | 33.533 | -0.031 | 33.546 | -0.010 | 33.562 | -0.030 | 33.517 | -0.040 | 33.528 | -0.081 | 33.536 | -0.099 | 33.552 | -0.100 |
| 33.576 | -0.058 | 33.591 | -0.064 | 33.596 | -0.056 | 33.607 | -0.017 | 33.562 | -0.083 | 33.576 | -0.058 | 33.591 | -0.032 | 33.606 | -0.067 |
| 33.621 | -0.038 | 33.634 | -0.077 | 33.643 | -0.080 | 33.653 | -0.070 | 33.618 | -0.041 | 33.631 | -0.062 | 33.642 | -0.053 | 33.653 | -0.034 |
| 33.667 | -0.038 | 33.678 | -0.001 | 33.688 | -0.018 | 33.703 | -0.033 | 33.666 | -0.015 | 33.675 | -0.025 | 33.688 | -0.008 | 33.702 | -0.003 |
| 33.714 | -0.034 | 33.726 | -0.031 | 33.740 | -0.015 | 33.753 | -0.008 | 33.718 | -0.013 | 33.732 | -0.024 | 33.744 | -0.021 | 33.758 | -0.006 |
| 33.825 | -0.046 | 33.837 | -0.116 | 33.847 | -0.172 | 33.861 | -0.206 | 33.776 | -0.033 | 33.787 | -0.059 | 33.800 | -0.067 | 33.814 | -0.066 |
| 33.870 | -0.183 | 33.882 | -0.120 | 33.893 | -0.048 | 33.900 | -0.007 | 33.825 | -0.061 | 33.842 | -0.056 | 33.854 | -0.085 | 33.871 | -0.063 |
| 33.908 | -0.015 | 33.917 | -0.013 | 33.921 | -0.027 | 33.943 | -0.060 | 33.882 | -0.062 | 33.893 | -0.089 | 33.903 | -0.085 | 33.916 | -0.063 |
| 33.956 | -0.088 | 33.967 | -0.084 | 33.979 | -0.076 | 33.991 | -0.059 | 33.930 | -0.037 | 33.945 | -0.002 | 33.958 | -0.028 | 33.973 | -0.036 |
| 34.006 | -0.056 | 34.020 | -0.048 | 34.036 | -0.018 | 34.052 | -0.002 | 33.987 | -0.035 | 34.004 | -0.046 | 34.018 | -0.049 | 34.030 | -0.017 |
| 34.062 | -0.066 | 34.071 | -0.032 | 34.085 | -0.018 | 34.097 | -0.023 | 34.046 | -0.002 | 34.064 | -0.026 | 34.081 | -0.045 | 34.098 | -0.047 |
| 34.113 | -0.065 | 34.129 | -0.105 | 34.141 | -0.089 | 34.157 | -0.046 | 34.115 | -0.031 | 34.134 | -0.007 | 34.148 | -0.010 | 34.157 | -0.013 |
| 34.171 | -0.015 | 34.187 | -0.080 | 34.202 | -0.136 | 34.212 | -0.135 | 34.165 | -0.007 | 34.181 | -0.010 | 34.197 | -0.001 | 34.210 | -0.021 |
| 34.226 | -0.094 | 34.242 | -0.057 | 34.260 | -0.002 | 34.274 | -0.061 | 34.222 | -0.023 | 34.234 | -0.043 | 34.247 | -0.013 | 34.261 | -0.006 |
| 34.338 | -0.029 | 34.348 | -0.034 | 34.358 | -0.022 | 34.372 | -0.012 | 34.324 | -0.016 | 34.335 | -0.008 | 34.349 | -0.023 | 34.361 | -0.035 |
| 34.388 | -0.019 | 34.405 | -0.026 | 34.422 | -0.046 | 34.435 | -0.040 | 34.373 | -0.044 | 34.387 | -0.037 | 34.399 | -0.029 | 34.412 | -0.022 |
| 34.455 | -0.039 | 34.467 | -0.043 | 34.481 | -0.059 | 34.495 | -0.081 | 34.425 | -0.006 | 34.439 | -0.010 | 34.451 | -0.018 | 34.463 | -0.016 |
| 34.507 | -0.066 | 34.521 | -0.043 | 34.536 | -0.025 | 34.551 | -0.028 | 34.480 | -0.010 | 34.497 | -0.014 | 34.512 | -0.033 | 34.525 | -0.048 |
| 34.560 | -0.028 | 34.572 | -0.005 | 34.585 | -0.005 | 34.596 | -0.012 | 34.536 | -0.040 | 34.550 | -0.006 | 34.563 | -0.033 | 34.576 | -0.049 |
| 34.611 | -0.037 | 34.620 | -0.041 | 34.636 | -0.018 | 34.648 | -0.018 | 34.566 | -0.044 | 34.582 | -0.020 | 34.613 | -0.008 | 34.626 | -0.022 |
| 34.718 | -0.032 | 34.734 | -0.025 | 34.749 | -0.014 | 34.765 | -0.048 | 34.642 | -0.032 | 34.655 | -0.038 | 34.670 | -0.039 | 34.687 | -0.041 |
| 34.778 | -0.086 | 34.792 | -0.093 | 34.804 | -0.078 | 34.816 | -0.055 | 34.704 | -0.029 | 34.718 | -0.017 | 34.732 | -0.001 | 34.742 | -0.016 |
| 34.827 | -0.045 | 34.843 | -0.043 | 34.856 | -0.015 | 34.870 | -0.031 | 34.761 | -0.015 | 34.779 | -0.022 | 34.798 | -0.029 | 34.818 | -0.027 |
| 34.881 | -0.055 | 34.894 | -0.061 | 34.908 | -0.049 | 34.924 | -0.036 | 34.837 | -0.026 | 34.853 | -0.006 | 34.866 | -0.017 | 34.878 | -0.031 |
| 34.940 | -0.009 | 34.955 | -0.034 | 34.971 | -0.049 | 34.987 | -0.078 | 34.890 | -0.032 | 34.903 | -0.016 | 34.913 | -0.017 | 34.931 | -0.014 |
| | | | | | | | | 34.945 | -0.024 | 34.964 | -0.022 | 34.982 | -0.028 | 35.000 | -0.030 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 38.015 | C.031 | 38.028 | 0.015 | 38.044 | -0.010 | 38.059 | -0.027 |
| 38.065 | -C.035 | 38.071 | -0.025 | 38.087 | -C.002 | 38.102 | 0.035 |
| 38.118 | 0.050 | 38.131 | 0.047 | 38.146 | 0.035 | 38.160 | 0.049 |
| 38.178 | C.069 | 38.189 | 0.061 | 38.204 | 0.031 | 38.223 | -0.007 |
| 38.239 | -0.019 | 38.255 | -0.017 | 38.269 | -0.016 | 38.283 | -0.010 |
| 38.299 | -C.009 | 38.316 | -0.007 | 38.332 | 0.003 | 38.350 | 0.005 |
| 38.366 | C.002 | 38.374 | 0.003 | 38.386 | -0.001 | 38.399 | 0.009 |
| 38.416 | C.015 | 38.431 | 0.021 | 38.445 | 0.023 | 38.457 | 0.015 |
| 38.466 | C.016 | 38.480 | 0.022 | 38.495 | 0.036 | 38.506 | 0.033 |
| 38.521 | 0.021 | 38.535 | 0.0 | 38.550 | -0.025 | 38.564 | -0.045 |
| 38.577 | -C.040 | 38.593 | -0.025 | 38.609 | -0.010 | 38.621 | -0.018 |
| 38.642 | -C.016 | 38.657 | -0.014 | 38.676 | -0.017 | 38.690 | -0.028 |
| 38.706 | -0.040 | 38.719 | -0.052 | 38.729 | -0.060 | 38.746 | -0.041 |
| 38.759 | -C.026 | 38.774 | -0.029 | 38.788 | -0.024 | 38.807 | 0.005 |
| 38.823 | C.033 | 38.836 | 0.065 | 38.850 | 0.071 | 38.863 | 0.081 |
| 38.876 | 0.073 | 38.895 | 0.048 | 38.906 | 0.049 | 38.920 | 0.051 |
| 38.934 | C.026 | 38.947 | C.018 | 38.963 | 0.002 | 38.982 | -0.018 |
| 39.000 | -C.020 | 39.017 | -0.014 | 39.033 | 0.001 | 39.047 | 0.024 |
| 39.062 | C.043 | 39.078 | 0.058 | 39.090 | 0.082 | 39.101 | 0.087 |
| 39.115 | C.080 | 39.127 | 0.063 | 39.141 | 0.052 | 39.158 | 0.045 |
| 39.171 | 0.051 | 39.189 | 0.066 | 39.204 | 0.072 | 39.214 | 0.069 |
| 39.228 | 0.048 | 39.243 | 0.036 | 39.260 | 0.038 | 39.278 | 0.036 |
| 39.293 | C.020 | 39.310 | 0.017 | 39.326 | 0.014 | 39.345 | 0.007 |
| 39.359 | 0.009 | 39.373 | 0.023 | 39.389 | 0.029 | 39.405 | 0.026 |
| 39.421 | C.006 | 39.434 | -0.006 | 39.450 | -0.009 | 39.467 | -0.016 |
| 39.483 | -0.023 | 39.499 | -0.017 | 39.513 | -0.020 | 39.529 | -0.001 |
| 39.545 | 0.022 | 39.559 | 0.028 | 39.572 | 0.021 | 39.585 | -0.005 |
| 39.598 | -C.021 | 39.613 | -0.020 | 39.629 | -0.014 | 39.642 | -0.030 |
| 39.656 | -0.033 | 39.670 | -0.041 | 39.685 | -0.048 | 39.702 | -0.047 |
| 39.720 | -0.027 | 39.734 | -0.008 | 39.746 | 0.006 | 39.756 | 0.003 |
| 39.769 | -C.009 | 39.785 | -0.038 | 39.799 | -0.059 | 39.812 | -0.071 |
| 39.825 | -C.070 | 39.843 | -0.059 | 39.861 | -0.044 | 39.874 | -0.038 |
| 39.889 | -C.010 | 39.902 | 0.013 | 39.916 | 0.019 | 39.931 | 0.034 |
| 39.948 | 0.044 | 39.964 | 0.042 | 39.981 | 0.035 | 39.997 | 0.010 |
| 40.015 | -0.015 | 40.026 | -0.040 | 40.040 | -0.070 | 40.054 | -0.060 |
| 40.069 | -0.054 | 40.081 | -0.039 | 40.096 | -0.015 | 40.112 | 0.004 |
| 40.129 | 0.019 | 40.147 | 0.021 | 40.163 | 0.022 | 40.180 | 0.020 |
| 40.196 | 0.017 | 40.208 | 0.018 | 40.224 | 0.002 | 40.238 | -0.019 |
| 40.256 | -0.035 | 40.271 | -0.042 | 40.290 | -0.013 | 40.307 | 0.015 |
| 40.326 | 0.048 | 40.344 | 0.067 | 40.358 | 0.060 | 40.375 | 0.048 |
| 40.391 | 0.037 | 40.406 | 0.025 | 40.422 | 0.018 | 40.439 | 0.002 |
| 40.455 | -0.018 | 40.470 | -0.021 | 40.486 | -0.019 | 40.501 | -0.004 |
| 40.518 | 0.002 | 40.536 | 0.008 | 40.552 | 0.006 | 40.572 | -0.002 |
| 40.589 | 0.008 | 40.607 | 0.005 | 40.620 | 0.010 | 40.638 | 0.020 |
| 40.660 | 0.039 | | | | | | |

IQ239

71.168 2/9/71 0600PST 9100 WILSHIRE BLVD. 8SMT. BEV. HILLS SCUTH

3490 POINTS 44.855 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2160 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.064 | 0.016 | 0.005 | 0.024 | 0.033 | 0.033 | 0.026 | 1.413 | 0.000 | 1.415 | 0.123 | 1.426 | 0.130 | 1.434 | 0.081 |
| 0.006 | 0.006 | 0.056 | -0.022 | 0.067 | -0.043 | 0.078 | -0.043 | 1.442 | -0.003 | 1.452 | -0.059 | 1.458 | -0.054 | 1.466 | -0.101 |
| 0.046 | 0.007 | 0.118 | -0.035 | 0.147 | -0.047 | 0.163 | -0.067 | 1.479 | -0.101 | 1.489 | -0.102 | 1.490 | -0.039 | 1.502 | -0.019 |
| 0.057 | -0.049 | 0.184 | -0.041 | 0.192 | -0.048 | 0.200 | -0.034 | 1.509 | 0.002 | 1.516 | 0.009 | 1.520 | 0.012 | 1.527 | 0.040 |
| 0.177 | 0.028 | 0.184 | -0.041 | 0.192 | -0.048 | 0.200 | -0.034 | 1.532 | -0.061 | 1.543 | -0.050 | 1.548 | -0.057 | 1.561 | -0.062 |
| 0.209 | 0.028 | 0.213 | 0.042 | 0.218 | 0.056 | 0.221 | 0.036 | 1.566 | -0.021 | 1.573 | 0.035 | 1.583 | 0.049 | 1.588 | 0.028 |
| 0.229 | 0.036 | 0.237 | 0.015 | 0.242 | -0.027 | 0.252 | -0.061 | 1.596 | 0.000 | 1.605 | 0.060 | 1.617 | -0.095 | 1.625 | -0.229 |
| 0.259 | -0.075 | 0.267 | -0.082 | 0.275 | -0.075 | 0.283 | -0.019 | 1.631 | -0.250 | 1.641 | -0.195 | 1.657 | -0.056 | 1.669 | 0.062 |
| 0.289 | 0.016 | 0.295 | 0.037 | 0.303 | 0.051 | 0.309 | 0.002 | 1.678 | 0.089 | 1.684 | 0.131 | 1.690 | 0.145 | 1.707 | 0.151 |
| 0.315 | -0.081 | 0.325 | -0.116 | 0.332 | -0.164 | 0.340 | -0.185 | 1.715 | 0.116 | 1.728 | 0.074 | 1.740 | 0.032 | 1.751 | -0.024 |
| 0.348 | -0.164 | 0.354 | -0.108 | 0.359 | -0.073 | 0.367 | -0.046 | 1.767 | -0.059 | 1.784 | -0.080 | 1.795 | -0.108 | 1.802 | -0.115 |
| 0.379 | -0.011 | 0.385 | -0.017 | 0.390 | 0.031 | 0.396 | 0.032 | 1.811 | -0.091 | 1.833 | 0.036 | 1.842 | -0.078 | 1.851 | -0.105 |
| 0.415 | -0.017 | 0.427 | -0.072 | 0.437 | -0.106 | 0.447 | -0.064 | 1.857 | 0.001 | 1.866 | 0.015 | 1.880 | -0.131 | 1.887 | -0.180 |
| 0.451 | -0.113 | 0.460 | -0.120 | 0.470 | -0.120 | 0.476 | -0.064 | 1.905 | -0.243 | 1.905 | -0.243 | 1.915 | -0.174 | 1.934 | -0.097 |
| 0.483 | -0.120 | 0.496 | -0.029 | 0.502 | -0.022 | 0.510 | -0.057 | 1.942 | 0.138 | 1.945 | 0.159 | 1.950 | -0.187 | 1.958 | -0.180 |
| 0.519 | -0.077 | 0.525 | -0.084 | 0.533 | -0.086 | 0.541 | -0.035 | 1.965 | 0.124 | 1.974 | 0.047 | 1.980 | -0.101 | 1.997 | -0.071 |
| 0.549 | -0.015 | 0.554 | -0.006 | 0.558 | 0.027 | 0.567 | 0.027 | 2.016 | -0.113 | 2.026 | -0.169 | 2.034 | -0.190 | 2.045 | -0.176 |
| 0.581 | -0.034 | 0.591 | 0.034 | 0.599 | 0.062 | 0.604 | 0.076 | 2.050 | -0.156 | 2.061 | -0.024 | 2.072 | -0.039 | 2.081 | -0.032 |
| 0.611 | 0.090 | 0.618 | 0.083 | 0.626 | 0.035 | 0.636 | 0.007 | 2.090 | 0.018 | 2.102 | -0.038 | 2.104 | -0.038 | 2.113 | -0.038 |
| 0.645 | -0.021 | 0.652 | -0.034 | 0.661 | -0.006 | 0.667 | 0.014 | 2.126 | -0.045 | 2.131 | -0.011 | 2.140 | -0.038 | 2.149 | -0.038 |
| 0.679 | 0.028 | 0.686 | 0.028 | 0.692 | 0.000 | 0.702 | -0.021 | 2.159 | 0.051 | 2.173 | 0.072 | 2.221 | -0.019 | 2.239 | -0.023 |
| 0.710 | -0.084 | 0.716 | -0.091 | 0.726 | -0.105 | 0.734 | -0.105 | 2.202 | 0.016 | 2.214 | -0.019 | 2.221 | -0.019 | 2.239 | -0.023 |
| 0.742 | -0.086 | 0.751 | -0.078 | 0.757 | -0.058 | 0.766 | -0.044 | 2.246 | -0.043 | 2.254 | -0.036 | 2.264 | -0.002 | 2.270 | -0.047 |
| 0.777 | -0.031 | 0.786 | -0.059 | 0.797 | -0.038 | 0.805 | -0.031 | 2.277 | -0.075 | 2.283 | -0.061 | 2.291 | -0.061 | 2.312 | -0.029 |
| 0.811 | -0.018 | 0.816 | -0.004 | 0.823 | -0.017 | 0.838 | 0.009 | 2.316 | -0.084 | 2.324 | -0.124 | 2.336 | -0.084 | 2.342 | -0.028 |
| 0.842 | 0.023 | 0.846 | 0.057 | 0.856 | 0.084 | 0.862 | 0.097 | 2.355 | -0.076 | 2.365 | -0.001 | 2.404 | -0.049 | 2.414 | -0.077 |
| 0.866 | 0.083 | 0.872 | 0.055 | 0.884 | -0.057 | 0.893 | -0.093 | 2.424 | -0.062 | 2.436 | -0.112 | 2.445 | -0.119 | 2.455 | -0.091 |
| 0.901 | -0.086 | 0.916 | -0.074 | 0.927 | -0.075 | 0.932 | -0.054 | 2.468 | 0.062 | 2.478 | 0.118 | 2.478 | -0.174 | 2.482 | -0.229 |
| 0.938 | -0.034 | 0.948 | -0.021 | 0.955 | -0.008 | 0.967 | -0.068 | 2.491 | -0.070 | 2.504 | -0.181 | 2.510 | -0.133 | 2.521 | -0.036 |
| 0.980 | -0.030 | 0.990 | -0.066 | 0.998 | -0.073 | 1.006 | -0.080 | 2.533 | 0.061 | 2.540 | 0.089 | 2.549 | 0.089 | 2.552 | -0.061 |
| 1.014 | -0.094 | 1.021 | -0.081 | 1.028 | -0.067 | 1.039 | -0.067 | 2.562 | 0.061 | 2.569 | 0.089 | 2.572 | -0.030 | 2.583 | -0.009 |
| 1.051 | -0.068 | 1.060 | -0.075 | 1.070 | -0.076 | 1.110 | 0.097 | 2.562 | 0.019 | 2.572 | -0.074 | 2.577 | -0.030 | 2.583 | -0.009 |
| 1.093 | -0.020 | 1.104 | 0.007 | 1.116 | 0.076 | 1.163 | -0.173 | 2.562 | 0.019 | 2.572 | -0.074 | 2.577 | -0.030 | 2.583 | -0.009 |
| 1.128 | 0.118 | 1.135 | 0.104 | 1.151 | -0.028 | 1.163 | -0.165 | 2.630 | 0.066 | 2.640 | 0.003 | 2.651 | -0.101 | 2.658 | -0.129 |
| 1.175 | -0.208 | 1.185 | -0.249 | 1.191 | -0.221 | 1.199 | -0.165 | 2.651 | -0.101 | 2.658 | -0.129 | 2.665 | -0.101 | 2.671 | -0.133 |
| 1.212 | -0.012 | 1.218 | 0.050 | 1.226 | 0.085 | 1.231 | 0.106 | 2.664 | -0.157 | 2.673 | -0.152 | 2.686 | -0.191 | 2.701 | -0.068 |
| 1.239 | 0.127 | 1.246 | 0.126 | 1.255 | 0.085 | 1.273 | 0.043 | 2.708 | -0.200 | 2.714 | 0.008 | 2.719 | 0.029 | 2.725 | 0.015 |
| 1.288 | 0.015 | 1.294 | -0.013 | 1.302 | -0.013 | 1.313 | -0.034 | 2.733 | -0.013 | 2.743 | -0.042 | 2.751 | -0.073 | 2.766 | -0.063 |
| 1.320 | -0.007 | 1.331 | -0.014 | 1.337 | -0.028 | 1.345 | -0.070 | 2.779 | -0.050 | 2.785 | -0.015 | 2.792 | -0.013 | 2.798 | 0.054 |
| 1.350 | -0.105 | 1.360 | -0.126 | 1.368 | -0.167 | 1.373 | -0.181 | 2.803 | -0.082 | 2.811 | -0.056 | 2.817 | -0.068 | 2.828 | -0.013 |
| 1.380 | -0.182 | 1.388 | -0.154 | 1.395 | -0.106 | 1.406 | 0.026 | 2.833 | -0.036 | 2.842 | -0.050 | 2.849 | -0.057 | 2.862 | -0.036 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 2.874 | C.648 | 2.886 | 0.089 | 2.895 | 0.110 | 2.901 | 0.124 | 4.871 | 0.300 | 4.878 | C.253 | 4.885 | C.292 | 4.897 | C.243 |
| 2.907 | 0.096 | 2.916 | 0.020 | 2.928 | -0.017 | 2.938 | -0.216 | 4.920 | 0.124 | 4.971 | -0.052 | 4.971 | C.292 | 4.979 | C.243 |
| 2.941 | 0.244 | 2.948 | -0.258 | 2.957 | -0.251 | 2.967 | -0.237 | 4.987 | -0.345 | 4.995 | -0.401 | 5.000 | -0.436 | 5.012 | -0.430 |
| 2.973 | -0.203 | 2.986 | -0.063 | 2.992 | -0.029 | 3.002 | 0.013 | 5.023 | -0.347 | 5.029 | -0.312 | 5.037 | -0.278 | 5.045 | -0.258 |
| 3.010 | 0.034 | 3.020 | 0.027 | 3.036 | 0.013 | 3.044 | 0.014 | 5.060 | -0.244 | 5.068 | -0.222 | 5.074 | -0.224 | 5.083 | -0.217 |
| 3.055 | C.041 | 3.060 | 0.062 | 3.067 | 0.104 | 3.075 | 0.146 | 5.115 | C.157 | 5.136 | C.369 | 5.150 | C.427 | 5.158 | 0.475 |
| 3.083 | 0.153 | 3.093 | 0.153 | 3.104 | 0.132 | 3.111 | 0.084 | 5.167 | 0.496 | 5.179 | C.600 | 5.187 | C.676 | 5.195 | C.732 |
| 3.121 | 0.007 | 3.140 | -0.208 | 3.150 | -0.236 | 3.160 | -0.270 | 5.201 | 0.952 | 5.208 | C.732 | 5.217 | C.599 | 5.227 | C.370 |
| 3.169 | -0.263 | 3.175 | -0.242 | 3.186 | -0.131 | 3.197 | -0.020 | 5.240 | 0.064 | 5.246 | -0.068 | 5.255 | -0.158 | 5.269 | -0.214 |
| 3.203 | 0.022 | 3.208 | 0.050 | 3.218 | 0.071 | 3.231 | 0.071 | 5.277 | -0.256 | 5.287 | -0.284 | 5.296 | -0.326 | 5.305 | -0.312 |
| 3.241 | 0.064 | 3.255 | 0.092 | 3.265 | 0.106 | 3.278 | 0.127 | 5.314 | -0.333 | 5.321 | -0.312 | 5.332 | -0.312 | 5.341 | -0.346 |
| 3.288 | 0.155 | 3.300 | 0.162 | 3.309 | 0.114 | 3.324 | -0.025 | 5.346 | -0.388 | 5.362 | -0.562 | 5.368 | -0.666 | 5.376 | -0.714 |
| 3.335 | -0.087 | 3.341 | -0.149 | 3.353 | -0.142 | 3.364 | -0.121 | 5.380 | -0.728 | 5.386 | -0.767 | 5.393 | -0.658 | 5.399 | -0.610 |
| 3.380 | -0.023 | 3.388 | 0.032 | 3.397 | 0.067 | 3.403 | 0.081 | 5.415 | -0.367 | 5.417 | -0.304 | 5.425 | -0.228 | 5.433 | -0.172 |
| 3.411 | 0.061 | 3.422 | -0.022 | 3.434 | -0.085 | 3.443 | -0.105 | 5.444 | -0.102 | 5.458 | -0.047 | 5.465 | -0.019 | 5.472 | -0.047 |
| 3.454 | -0.085 | 3.462 | -0.085 | 3.475 | -0.033 | 3.480 | -0.040 | 5.477 | -0.130 | 5.489 | -0.338 | 5.496 | -0.435 | 5.502 | -0.463 |
| 3.485 | C.019 | 3.498 | -0.029 | 3.510 | -0.071 | 3.523 | -0.085 | 5.510 | -0.449 | 5.520 | -0.338 | 5.534 | -0.143 | 5.546 | 0.114 |
| 3.536 | -0.099 | 3.545 | -0.085 | 3.556 | -0.079 | 3.563 | -0.030 | 5.558 | 0.295 | 5.565 | -0.337 | 5.573 | 0.358 | 5.578 | 0.223 |
| 3.571 | 0.060 | 3.575 | 0.102 | 3.578 | 0.116 | 3.590 | 0.137 | 5.590 | 0.302 | 5.595 | 0.303 | 5.610 | 0.338 | 5.618 | 0.373 |
| 3.588 | C.143 | 3.594 | 0.150 | 3.599 | 0.102 | 3.615 | -0.024 | 5.626 | C.470 | 5.635 | -0.561 | 5.640 | 0.637 | 5.650 | C.693 |
| 3.619 | -0.066 | 3.630 | -0.080 | 3.641 | -0.066 | 3.654 | -0.032 | 5.658 | 0.658 | 5.665 | 0.603 | 5.676 | 0.374 | 5.680 | C.263 |
| 3.667 | -0.025 | 3.676 | -0.039 | 3.684 | -0.081 | 3.695 | -0.081 | 5.686 | C.214 | 5.693 | 0.207 | 5.700 | C.214 | 5.705 | C.312 |
| 3.703 | -0.068 | 3.715 | -0.040 | 3.726 | -0.112 | 3.738 | -0.174 | 5.715 | 0.437 | 5.716 | 0.541 | 5.724 | C.583 | 5.729 | C.590 |
| 3.747 | C.223 | 3.755 | 0.243 | 3.763 | 0.264 | 3.767 | 0.264 | 5.737 | C.590 | 5.742 | -0.417 | 5.764 | -0.368 | 5.769 | -0.597 |
| 3.776 | 0.215 | 3.781 | 0.152 | 3.795 | -0.098 | 3.808 | -0.136 | 5.774 | -0.701 | 5.776 | -0.722 | 5.783 | -0.680 | 5.790 | -0.541 |
| 3.818 | -0.231 | 3.823 | -0.245 | 3.831 | -0.252 | 3.837 | -0.203 | 5.804 | -0.304 | 5.808 | 0.119 | 5.814 | -0.265 | 5.818 | 0.228 |
| 3.849 | -0.085 | 3.857 | 0.012 | 3.864 | 0.040 | 3.874 | 0.081 | 5.825 | -0.328 | 5.830 | -0.314 | 5.839 | -0.210 | 5.851 | -0.213 |
| 3.882 | 0.116 | 3.892 | 0.136 | 3.905 | 0.157 | 3.910 | 0.136 | 5.861 | -0.519 | 5.866 | -0.630 | 5.870 | -0.671 | 5.876 | -0.685 |
| 3.914 | 0.101 | 3.921 | 0.059 | 3.929 | 0.038 | 3.937 | 0.011 | 5.884 | -0.664 | 5.891 | -0.636 | 5.904 | -0.643 | 5.904 | -0.678 |
| 3.950 | -0.017 | 3.956 | -0.038 | 3.964 | -0.101 | 3.972 | -0.143 | 5.914 | -0.782 | 5.921 | -0.858 | 5.925 | -0.879 | 5.933 | -0.851 |
| 3.981 | -0.171 | 3.989 | -0.150 | 4.003 | -0.060 | 4.009 | 0.044 | 5.942 | -0.698 | 5.957 | -0.080 | 5.969 | 0.281 | 5.970 | C.386 |
| 4.018 | 0.085 | 4.022 | 0.099 | 4.030 | 0.113 | 4.037 | 0.092 | 5.974 | C.427 | 5.978 | 0.469 | 5.982 | 0.483 | 5.988 | 0.434 |
| 4.045 | C.056 | 4.051 | 0.021 | 4.061 | -0.021 | 4.074 | -0.014 | 5.994 | 0.323 | 6.004 | 0.025 | 6.008 | -0.205 | 6.019 | -0.392 |
| 4.091 | -0.022 | 4.093 | -0.022 | 4.104 | -0.106 | 4.114 | -0.128 | 6.028 | -0.545 | 6.035 | -0.600 | 6.044 | -0.621 | 6.049 | -0.600 |
| 4.123 | -0.156 | 4.130 | -0.163 | 4.141 | -0.094 | 4.151 | 0.003 | 6.064 | -0.316 | 6.073 | -0.059 | 6.079 | -0.017 | 6.083 | 0.045 |
| 4.157 | C.030 | 4.164 | 0.065 | 4.173 | 0.085 | 4.183 | 0.084 | 6.088 | 0.031 | 6.094 | -0.054 | 6.104 | -0.233 | 6.113 | -0.295 |
| 4.196 | 0.091 | 4.206 | 0.111 | 4.213 | 0.097 | 4.217 | 0.083 | 6.121 | -0.309 | 6.128 | -0.275 | 6.138 | -0.184 | 6.147 | -0.108 |
| 4.225 | -0.034 | 4.233 | -0.023 | 4.241 | -0.044 | 4.248 | -0.058 | 6.159 | -0.053 | 6.174 | -0.032 | 6.186 | -0.010 | 6.197 | 0.072 |
| 4.258 | -0.059 | 4.276 | -0.046 | 4.283 | -0.033 | 4.292 | -0.026 | 6.207 | 0.169 | 6.220 | 0.232 | 6.227 | 0.232 | 6.237 | C.162 |
| 4.307 | -0.034 | 4.311 | -0.048 | 4.322 | -0.049 | 4.328 | -0.042 | 6.244 | C.065 | 6.252 | -0.067 | 6.260 | -0.129 | 6.268 | -0.178 |
| 4.333 | -0.064 | 4.343 | -0.099 | 4.350 | -0.134 | 4.353 | -0.141 | 6.276 | -0.192 | 6.284 | -0.192 | 6.291 | -0.122 | 6.303 | 0.051 |
| 4.360 | -0.135 | 4.370 | -0.093 | 4.384 | -0.017 | 4.392 | 0.038 | 6.311 | 0.093 | 6.316 | 0.134 | 6.322 | C.141 | 6.332 | C.079 |
| 4.400 | 0.065 | 4.405 | 0.072 | 4.415 | 0.058 | 4.418 | 0.023 | 6.347 | -0.213 | 6.353 | -0.275 | 6.361 | -0.289 | 6.368 | -0.234 |
| 4.437 | -0.096 | 4.445 | -0.138 | 4.451 | -0.152 | 4.461 | -0.145 | 6.379 | -0.123 | 6.394 | 0.197 | 6.401 | 0.273 | 6.408 | 0.308 |
| 4.468 | -0.111 | 4.475 | -0.104 | 4.485 | -0.160 | 4.495 | -0.181 | 6.418 | 0.281 | 6.423 | C.170 | 6.437 | -0.142 | 6.450 | -0.524 |
| 4.501 | -0.202 | 4.511 | -0.174 | 4.521 | -0.057 | 4.527 | -0.015 | 6.459 | -0.628 | 6.465 | -0.711 | 6.476 | -0.739 | 6.483 | -0.718 |
| 4.532 | 0.019 | 4.543 | 0.047 | 4.550 | 0.039 | 4.558 | 0.011 | 6.490 | -0.565 | 6.501 | -0.314 | 6.505 | -0.252 | 6.513 | -0.189 |
| 4.564 | -0.024 | 4.572 | -0.024 | 4.580 | -0.010 | 4.587 | 0.024 | 6.522 | -0.175 | 6.530 | -0.320 | 6.544 | -0.820 | 6.568 | -1.111 |
| 4.581 | C.038 | 4.601 | 0.051 | 4.608 | 0.023 | 4.617 | -0.012 | 6.574 | -1.215 | 6.578 | -1.225 | 6.584 | -1.194 | 6.591 | -1.139 |
| 4.625 | -0.033 | 4.632 | -0.061 | 4.638 | -0.061 | 4.648 | -0.048 | 6.605 | -0.909 | 6.612 | -0.867 | 6.618 | -0.867 | 6.625 | -0.825 |
| 4.662 | -0.041 | 4.667 | -0.062 | 4.675 | -0.084 | 4.680 | -0.091 | 6.636 | -0.763 | 6.647 | -0.422 | 6.665 | C.155 | 6.673 | C.342 |
| 4.688 | -0.098 | 4.704 | -0.078 | 4.712 | -0.065 | 4.735 | 0.066 | 6.678 | 0.384 | 6.686 | C.412 | 6.697 | C.405 | 6.707 | C.440 |
| 4.744 | 0.135 | 4.749 | 0.176 | 4.761 | 0.189 | 4.768 | 0.154 | 6.720 | 0.482 | 6.733 | 0.621 | 6.742 | C.747 | 6.751 | C.816 |
| 4.770 | 0.091 | 4.783 | -0.048 | 4.791 | -0.264 | 4.798 | -0.320 | 6.759 | C.951 | 6.766 | 0.872 | 6.776 | 0.831 | 6.786 | C.747 |
| 4.801 | -0.369 | 4.811 | -0.356 | 4.820 | -0.301 | 4.839 | -0.045 | 6.803 | C.553 | 6.805 | 0.442 | 6.816 | 0.442 | 6.821 | C.421 |
| 4.845 | 0.114 | 4.852 | 0.183 | 4.857 | 0.211 | 4.865 | 0.252 | 6.829 | C.445 | 6.836 | C.490 | 6.852 | C.629 | 6.858 | C.685 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6.866 | 0.713 | 6.673 | 0.678 | 6.885 | 0.555 | 6.893 | 0.400 | 8.962 | 6.785 | 8.570 | 6.850 | 8.575 | 6.939 | 8.586 | 6.588 |
| 6.908 | -0.149 | 6.913 | -0.232 | 6.922 | -0.281 | 6.927 | -0.267 | 8.998 | 1.024 | 9.002 | 6.956 | 9.014 | 6.858 | 9.032 | 6.212 |
| 6.934 | -0.260 | 6.948 | -0.197 | 6.948 | -0.170 | 6.956 | -0.177 | 9.004 | -0.877 | 9.066 | -1.071 | 9.074 | -1.217 | 9.083 | -1.258 |
| 6.964 | -0.232 | 6.975 | -0.378 | 6.984 | -0.489 | 6.990 | -0.517 | 9.090 | -1.237 | 9.105 | -1.111 | 9.114 | -0.923 | 9.127 | -0.599 |
| 6.998 | -0.530 | 7.004 | -0.456 | 7.017 | -0.287 | 7.029 | 0.157 | 9.134 | -0.547 | 9.146 | 0.393 | 9.168 | -0.239 | 9.176 | -0.044 |
| 7.033 | 0.255 | 7.045 | -0.310 | 7.051 | 0.317 | 7.058 | 0.262 | 9.189 | 0.360 | 9.204 | 0.645 | 9.204 | 0.805 | 9.210 | -0.854 |
| 7.108 | -0.509 | 7.074 | -0.134 | 7.090 | -0.259 | 7.094 | -0.391 | 9.212 | 6.813 | 9.226 | 0.342 | 9.244 | -0.011 | 9.258 | -0.330 |
| 7.136 | -0.647 | 7.116 | -0.501 | 7.124 | -0.640 | 7.130 | -0.682 | 9.259 | -0.330 | 9.261 | -0.427 | 9.274 | -0.517 | 9.277 | -0.566 |
| 7.158 | 0.499 | 7.208 | 0.575 | 7.214 | 0.582 | 7.223 | 0.575 | 9.284 | -0.353 | 9.298 | -0.760 | 9.300 | -0.765 | 9.305 | -0.837 |
| 7.233 | 0.513 | 7.243 | 0.462 | 7.251 | 0.173 | 7.262 | -0.008 | 9.311 | -0.851 | 9.317 | -0.831 | 9.323 | -0.760 | 9.326 | 0.267 |
| 7.270 | -0.265 | 7.277 | -0.369 | 7.281 | -0.464 | 7.286 | -0.411 | 9.368 | 0.357 | 9.374 | 0.441 | 9.380 | 0.462 | 9.384 | 0.448 |
| 7.256 | -0.369 | 7.304 | -0.300 | 7.315 | -0.270 | 7.325 | -0.293 | 9.390 | 0.371 | 9.401 | 0.121 | 9.411 | 0.003 | 9.419 | -0.039 |
| 7.337 | -0.369 | 7.344 | -0.425 | 7.352 | -0.460 | 7.360 | -0.474 | 9.425 | -0.436 | 9.432 | -0.025 | 9.438 | 0.037 | 9.448 | 0.176 |
| 7.366 | -0.384 | 7.378 | -0.308 | 7.388 | -0.253 | 7.403 | -0.093 | 9.464 | 0.441 | 9.485 | 0.399 | 9.501 | 0.323 | 9.506 | 0.281 |
| 7.413 | 0.080 | 7.426 | 0.399 | 7.436 | 0.510 | 7.441 | 0.565 | 9.514 | 0.281 | 9.522 | 0.288 | 9.531 | 0.337 | 9.538 | 0.365 |
| 7.445 | 0.558 | 7.452 | 0.461 | 7.464 | 0.203 | 7.474 | -0.138 | 9.548 | 0.372 | 9.557 | 0.352 | 9.572 | 0.303 | 9.578 | 0.262 |
| 7.490 | -0.319 | 7.495 | -0.479 | 7.502 | -0.521 | 7.510 | -0.514 | 9.565 | 0.199 | 9.596 | 0.088 | 9.605 | 0.026 | 9.611 | -0.030 |
| 7.518 | -0.424 | 7.534 | 0.041 | 7.550 | 0.436 | 7.559 | 0.617 | 9.617 | -0.050 | 9.627 | -0.057 | 9.638 | 0.006 | 9.643 | 0.062 |
| 7.568 | 0.699 | 7.573 | 0.727 | 7.582 | 0.671 | 7.591 | 0.580 | 9.652 | 0.145 | 9.660 | 0.333 | 9.665 | 0.590 | 9.672 | 0.702 |
| 7.626 | 0.475 | 7.608 | 0.538 | 7.615 | 0.545 | 7.621 | 0.510 | 9.678 | 0.730 | 9.684 | 0.758 | 9.689 | 0.737 | 9.695 | 0.661 |
| 7.657 | 0.321 | 7.667 | 0.313 | 7.672 | 0.299 | 7.680 | 0.257 | 9.704 | 0.418 | 9.710 | 0.321 | 9.715 | 0.224 | 9.721 | 0.148 |
| 7.687 | 0.159 | 7.705 | -0.203 | 7.714 | -0.293 | 7.722 | -0.335 | 9.728 | 0.099 | 9.733 | 0.065 | 9.752 | -0.004 | 9.762 | -0.011 |
| 7.733 | -0.322 | 7.745 | -0.322 | 7.754 | -0.309 | 7.761 | -0.302 | 9.771 | 0.017 | 9.783 | 0.025 | 9.787 | 0.087 | 9.793 | 0.115 |
| 7.772 | -0.323 | 7.778 | -0.371 | 7.785 | -0.448 | 7.801 | -0.628 | 9.800 | 0.143 | 9.808 | 0.137 | 9.815 | 0.105 | 9.837 | 0.012 |
| 7.809 | -0.684 | 7.814 | -0.705 | 7.823 | -0.691 | 7.842 | -0.629 | 9.843 | -0.022 | 9.848 | -0.043 | 9.858 | -0.015 | 9.863 | 0.040 |
| 7.844 | -0.375 | 7.849 | -0.330 | 7.857 | -0.255 | 7.862 | -0.275 | 9.874 | 0.214 | 9.892 | 0.666 | 9.900 | 0.853 | 9.906 | 0.922 |
| 7.870 | -0.255 | 7.879 | -0.365 | 7.888 | -0.386 | 7.895 | -0.386 | 9.909 | 0.964 | 9.916 | 0.926 | 9.927 | 0.860 | 9.925 | 0.575 |
| 7.904 | -0.310 | 7.917 | -0.018 | 7.923 | -0.232 | 7.933 | -0.288 | 9.940 | 0.200 | 9.946 | -0.029 | 9.954 | -0.168 | 9.959 | -0.293 |
| 7.941 | 0.308 | 7.956 | 0.294 | 7.972 | 0.587 | 7.986 | -0.569 | 9.967 | -0.321 | 9.970 | -0.342 | 9.976 | -0.335 | 9.985 | -0.293 |
| 7.993 | -1.087 | 8.000 | -1.136 | 8.005 | -1.108 | 8.015 | -0.975 | 9.993 | -0.259 | 10.001 | -0.219 | 10.007 | -0.293 | 10.014 | -0.356 |
| 8.025 | -0.725 | 8.047 | 0.152 | 8.056 | 0.463 | 8.059 | 0.637 | 10.038 | -0.620 | 10.048 | -0.717 | 10.056 | -0.787 | 10.062 | -0.793 |
| 8.065 | 0.721 | 8.067 | 0.776 | 8.073 | 0.783 | 8.081 | 0.742 | 10.073 | -0.738 | 10.075 | -0.668 | 10.113 | 0.311 | 10.123 | 0.464 |
| 8.089 | 0.624 | 8.100 | 0.478 | 8.114 | 0.347 | 8.129 | 0.173 | 10.133 | 0.526 | 10.138 | 0.533 | 10.143 | 0.498 | 10.152 | 0.443 |
| 8.141 | -0.306 | 8.150 | -0.555 | 8.157 | -0.659 | 8.165 | -0.694 | 10.157 | 0.366 | 10.165 | 0.255 | 10.176 | 0.005 | 10.183 | -0.099 |
| 8.170 | -0.680 | 8.176 | -0.569 | 8.187 | -0.513 | 8.194 | -0.465 | 10.189 | -0.175 | 10.196 | -0.210 | 10.204 | -0.182 | 10.209 | -0.113 |
| 8.203 | -0.540 | 8.221 | -0.672 | 8.232 | -0.720 | 8.242 | -0.740 | 10.219 | -0.008 | 10.231 | 0.228 | 10.241 | 0.513 | 10.247 | 0.589 |
| 8.248 | -0.719 | 8.254 | -0.657 | 8.270 | -0.489 | 8.285 | -0.002 | 10.252 | 0.645 | 10.259 | 0.666 | 10.270 | 0.767 | 10.278 | 0.672 |
| 8.255 | 0.311 | 8.303 | 0.478 | 8.309 | 0.547 | 8.316 | 0.589 | 10.291 | 0.617 | 10.301 | 0.554 | 10.311 | 0.478 | 10.324 | 0.346 |
| 8.321 | 0.617 | 8.332 | 0.563 | 8.340 | 0.535 | 8.349 | 0.500 | 10.334 | 0.207 | 10.345 | 0.056 | 10.350 | 0.061 | 10.355 | 0.061 |
| 8.361 | 0.515 | 8.372 | 0.474 | 8.379 | 0.405 | 8.396 | 0.072 | 10.362 | 0.089 | 10.381 | 0.311 | 10.386 | 0.367 | 10.392 | 0.416 |
| 8.406 | -0.046 | 8.414 | -0.080 | 8.425 | -0.058 | 8.435 | 0.026 | 10.395 | 0.436 | 10.403 | 0.478 | 10.412 | 0.443 | 10.418 | 0.409 |
| 8.449 | 0.311 | 8.459 | 0.360 | 8.467 | 0.375 | 8.480 | 0.341 | 10.431 | 0.367 | 10.441 | 0.335 | 10.453 | 0.258 | 10.469 | 0.291 |
| 8.488 | 0.313 | 8.501 | 0.293 | 8.518 | 0.287 | 8.529 | 0.219 | 10.480 | 0.305 | 10.486 | 0.325 | 10.497 | 0.360 | 10.504 | 0.395 |
| 8.533 | 0.150 | 8.546 | -0.058 | 8.564 | -0.369 | 8.570 | -0.486 | 10.511 | 0.395 | 10.516 | 0.346 | 10.522 | 0.263 | 10.537 | -0.091 |
| 8.578 | -0.527 | 8.586 | -0.492 | 8.595 | -0.408 | 8.607 | -0.486 | 10.543 | -0.210 | 10.552 | -0.314 | 10.564 | -0.411 | 10.571 | -0.446 |
| 8.616 | -0.003 | 8.625 | 0.033 | 8.632 | -0.002 | 8.642 | -0.084 | 10.577 | -0.453 | 10.587 | -0.418 | 10.598 | -0.335 | 10.609 | -0.189 |
| 8.649 | -0.125 | 8.659 | -0.104 | 8.670 | -0.047 | 8.680 | 0.093 | 10.617 | 0.276 | 10.622 | 0.366 | 10.626 | 0.415 | 10.632 | 0.429 |
| 8.694 | 0.428 | 8.708 | 0.790 | 8.710 | 0.929 | 8.718 | 0.986 | 10.638 | 0.401 | 10.643 | 0.206 | 10.665 | -0.440 | 10.682 | -0.850 |
| 8.725 | 1.021 | 8.734 | 0.980 | 8.742 | 0.870 | 8.749 | 0.711 | 10.691 | -0.961 | 10.702 | -1.053 | 10.713 | -1.149 | 10.722 | -1.149 |
| 8.753 | 0.642 | 8.768 | 0.636 | 8.778 | 0.651 | 8.790 | 0.652 | 10.729 | -1.121 | 10.737 | -1.072 | 10.746 | -1.057 | 10.764 | -0.183 |
| 8.755 | 0.625 | 8.805 | 0.529 | 8.814 | 0.266 | 8.827 | -0.032 | 10.776 | 0.026 | 10.780 | 0.269 | 10.801 | 0.387 | 10.814 | 0.526 |
| 8.848 | -0.142 | 8.848 | -0.245 | 8.861 | -0.369 | 8.868 | -0.493 | 10.818 | 0.561 | 10.825 | 0.589 | 10.831 | 0.610 | 10.844 | 0.603 |
| 8.877 | -0.687 | 8.888 | -0.749 | 8.895 | -0.727 | 8.905 | -0.643 | 10.854 | 0.617 | 10.860 | 0.624 | 10.867 | 0.658 | 10.875 | 0.693 |
| 8.914 | -0.503 | 8.926 | -0.224 | 8.940 | 0.228 | 8.955 | 0.570 | 10.883 | 0.707 | 10.891 | 0.693 | 10.899 | 0.603 | 10.909 | 0.388 |
| | | | | | | | | 10.915 | 0.319 | 10.922 | 0.270 | 10.926 | 0.264 | 10.933 | 0.292 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.939 | 0.347 | 10.949 | 0.438 | 10.555 | 0.466 | 10.962 | 0.494 | 12.977 | -0.346 | 12.984 | -0.270 | 12.994 | -0.116 | 13.006 | 0.058 |
| 10.969 | 0.501 | 10.974 | 0.459 | 10.987 | 0.370 | 11.002 | 0.287 | 13.014 | 0.169 | 13.022 | 0.260 | 13.027 | 0.302 | 13.029 | 0.329 |
| 11.008 | 0.162 | 11.016 | 0.051 | 11.018 | -0.199 | 11.029 | -0.546 | 13.037 | 0.316 | 13.044 | 0.268 | 13.058 | 0.336 | 13.072 | 0.026 |
| 11.043 | -0.858 | 11.052 | -0.955 | 11.061 | -1.018 | 11.068 | -1.066 | 13.090 | -0.105 | 13.103 | -0.168 | 13.113 | -0.257 | 13.119 | -0.291 |
| 11.074 | -1.107 | 11.081 | -1.128 | 11.088 | -1.128 | 11.098 | -1.072 | 13.126 | -0.270 | 13.136 | -0.249 | 13.146 | -0.193 | 13.159 | -0.123 |
| 11.111 | -0.561 | 11.140 | -0.668 | 11.164 | -0.410 | 11.171 | -0.361 | 13.167 | -0.102 | 13.175 | -0.073 | 13.183 | -0.052 | 13.197 | -0.031 |
| 11.179 | -0.319 | 11.187 | -0.298 | 11.192 | -0.312 | 11.200 | -0.367 | 13.207 | -0.037 | 13.215 | -0.036 | 13.228 | -0.008 | 13.242 | 0.041 |
| 11.214 | -0.527 | 11.222 | -0.589 | 11.228 | -0.603 | 11.237 | -0.602 | 13.250 | 0.160 | 13.257 | 0.230 | 13.265 | 0.293 | 13.275 | 0.335 |
| 11.245 | -0.549 | 11.259 | -0.449 | 11.267 | -0.359 | 11.284 | -0.136 | 13.284 | 0.356 | 13.292 | 0.357 | 13.299 | 0.330 | 13.306 | 0.288 |
| 11.298 | 0.079 | 11.312 | 0.253 | 11.331 | 0.468 | 11.345 | 0.555 | 13.323 | 0.066 | 13.332 | 0.158 | 13.341 | 0.144 | 13.349 | 0.158 |
| 11.358 | 0.746 | 11.370 | 0.850 | 11.382 | 0.891 | 11.390 | 0.912 | 13.357 | 0.221 | 13.366 | 0.270 | 13.372 | 0.312 | 13.378 | 0.333 |
| 11.451 | -0.144 | 11.460 | -0.269 | 11.465 | -0.384 | 11.471 | -0.093 | 13.383 | 0.347 | 13.391 | 0.426 | 13.399 | 0.478 | 13.413 | 0.502 |
| 11.479 | -0.269 | 11.491 | -0.213 | 11.499 | -0.157 | 11.504 | -0.123 | 13.429 | 0.324 | 13.445 | -0.027 | 13.454 | -0.024 | 13.477 | -0.073 |
| 11.511 | -0.136 | 11.518 | -0.136 | 11.526 | -0.185 | 11.534 | -0.205 | 13.485 | -0.094 | 13.497 | 0.103 | 13.504 | -0.068 | 13.515 | -0.027 |
| 11.539 | -0.191 | 11.544 | -0.150 | 11.552 | -0.052 | 11.560 | -0.045 | 13.525 | 0.049 | 13.534 | 0.072 | 13.542 | 0.131 | 13.569 | 0.165 |
| 11.566 | 0.094 | 11.571 | 0.129 | 11.578 | 0.157 | 11.584 | 0.115 | 13.611 | -0.216 | 13.621 | -0.252 | 13.625 | -0.231 | 13.635 | -0.153 |
| 11.592 | 0.074 | 11.605 | 0.078 | 11.617 | -0.259 | 11.624 | 0.349 | 13.647 | -0.038 | 13.654 | 0.046 | 13.659 | 0.087 | 13.666 | 0.122 |
| 11.631 | -0.404 | 11.637 | -0.418 | 11.647 | -0.411 | 11.654 | -0.335 | 13.677 | 0.143 | 13.687 | 0.129 | 13.695 | 0.108 | 13.707 | 0.073 |
| 11.664 | -0.237 | 11.670 | -0.156 | 11.678 | -0.154 | 11.685 | -0.147 | 13.715 | 0.031 | 13.724 | -0.046 | 13.737 | -0.136 | 13.748 | -0.234 |
| 11.691 | -0.182 | 11.699 | -0.251 | 11.707 | -0.272 | 11.711 | -0.251 | 13.756 | -0.296 | 13.764 | -0.331 | 13.771 | -0.352 | 13.778 | -0.324 |
| 11.719 | -0.210 | 11.731 | -0.084 | 11.736 | -0.015 | 11.741 | -0.020 | 13.790 | -0.268 | 13.800 | -0.171 | 13.810 | -0.073 | 13.815 | -0.018 |
| 11.767 | -0.126 | 11.758 | -0.099 | 11.764 | -0.064 | 11.774 | -0.105 | 13.822 | -0.031 | 13.831 | -0.066 | 13.840 | 0.045 | 13.851 | -0.024 |
| 11.824 | -0.204 | 11.835 | -0.440 | 11.842 | -0.572 | 11.850 | -0.642 | 13.860 | -0.142 | 13.867 | -0.239 | 13.876 | -0.239 | 13.891 | -0.238 |
| 11.861 | -0.684 | 11.872 | -0.747 | 11.882 | -0.733 | 11.890 | -0.699 | 13.903 | -0.238 | 13.915 | -0.210 | 13.927 | -0.182 | 13.939 | -0.154 |
| 11.901 | -0.588 | 11.913 | -0.338 | 11.922 | -0.053 | 11.932 | -0.127 | 13.952 | -0.147 | 13.964 | -0.153 | 13.978 | -0.160 | 13.986 | -0.153 |
| 11.938 | 0.176 | 11.944 | 0.157 | 11.948 | 0.162 | 11.959 | 0.072 | 14.034 | 0.097 | 14.044 | 0.051 | 14.052 | 0.104 | 14.060 | 0.076 |
| 11.971 | -0.025 | 11.978 | -0.066 | 11.993 | -0.108 | 12.005 | -0.184 | 14.070 | 0.195 | 14.087 | 0.238 | 14.092 | 0.273 | 14.102 | 0.281 |
| 12.012 | -0.267 | 12.023 | -0.359 | 12.031 | -0.462 | 12.036 | -0.489 | 14.112 | -0.261 | 14.121 | -0.185 | 14.132 | -0.066 | 14.141 | -0.111 |
| 12.044 | -0.510 | 12.054 | -0.496 | 12.063 | -0.433 | 12.073 | -0.342 | 14.150 | -0.173 | 14.155 | -0.180 | 14.164 | -0.164 | 14.172 | -0.066 |
| 12.085 | -0.217 | 12.094 | -0.112 | 12.099 | -0.049 | 12.105 | -0.027 | 14.186 | -0.049 | 14.193 | -0.120 | 14.200 | -0.153 | 14.206 | -0.153 |
| 12.115 | 0.070 | 12.123 | 0.091 | 12.133 | 0.071 | 12.143 | 0.043 | 14.211 | 0.201 | 14.219 | 0.181 | 14.227 | 0.120 | 14.237 | -0.017 |
| 12.152 | 0.009 | 12.160 | -0.032 | 12.167 | -0.060 | 12.175 | -0.052 | 14.245 | -0.162 | 14.253 | -0.210 | 14.261 | -0.236 | 14.265 | -0.256 |
| 12.182 | -0.024 | 12.194 | 0.046 | 12.203 | 0.150 | 12.208 | 0.171 | 14.279 | -0.229 | 14.287 | -0.159 | 14.299 | -0.020 | 14.307 | 0.042 |
| 12.215 | 0.206 | 12.225 | 0.185 | 12.231 | 0.123 | 12.240 | 0.005 | 14.317 | 0.119 | 14.324 | 0.153 | 14.338 | 0.195 | 14.350 | 0.223 |
| 12.250 | -0.196 | 12.257 | -0.300 | 12.265 | -0.348 | 12.274 | -0.369 | 14.366 | 0.244 | 14.383 | 0.239 | 14.391 | 0.267 | 14.401 | 0.268 |
| 12.283 | -0.355 | 12.295 | -0.362 | 12.305 | -0.377 | 12.313 | -0.292 | 14.408 | 0.310 | 14.420 | 0.345 | 14.428 | 0.325 | 14.435 | 0.290 |
| 12.321 | -0.222 | 12.331 | -0.132 | 12.340 | 0.042 | 12.347 | 0.077 | 14.445 | 0.242 | 14.452 | 0.201 | 14.462 | 0.161 | 14.472 | 0.134 |
| 12.353 | 0.105 | 12.361 | 0.098 | 12.368 | 0.071 | 12.374 | 0.015 | 14.481 | 0.142 | 14.491 | 0.143 | 14.498 | 0.123 | 14.502 | 0.116 |
| 12.385 | -0.109 | 12.395 | -0.345 | 12.403 | -0.477 | 12.412 | -0.595 | 14.511 | 0.124 | 14.520 | 0.167 | 14.533 | 0.251 | 14.540 | 0.320 |
| 12.416 | -0.609 | 12.426 | -0.602 | 12.435 | -0.518 | 12.445 | -0.282 | 14.546 | 0.341 | 14.552 | 0.355 | 14.560 | 0.328 | 14.568 | 0.293 |
| 12.453 | -0.059 | 12.459 | 0.052 | 12.466 | 0.108 | 12.472 | 0.150 | 14.577 | 0.252 | 14.583 | 0.231 | 14.597 | 0.245 | 14.605 | 0.266 |
| 12.480 | 0.178 | 12.493 | 0.178 | 12.502 | 0.137 | 12.511 | 0.054 | 14.620 | 0.301 | 14.636 | 0.328 | 14.643 | 0.342 | 14.645 | 0.328 |
| 12.525 | -0.098 | 12.532 | -0.147 | 12.540 | -0.188 | 12.549 | -0.188 | 14.651 | -0.293 | 14.663 | 0.174 | 14.681 | -0.021 | 14.688 | -0.070 |
| 12.558 | -0.125 | 12.568 | -0.014 | 12.577 | 0.056 | 12.585 | 0.098 | 14.658 | -0.112 | 14.700 | -0.112 | 14.710 | -0.105 | 14.716 | -0.071 |
| 12.593 | 0.133 | 12.602 | 0.133 | 12.610 | 0.071 | 12.620 | 0.040 | 14.723 | -0.043 | 14.732 | -0.009 | 14.740 | 0.011 | 14.753 | 0.024 |
| 12.631 | -0.178 | 12.641 | -0.227 | 12.648 | -0.254 | 12.659 | -0.240 | 14.764 | 0.031 | 14.774 | 0.016 | 14.782 | 0.002 | 14.791 | -0.006 |
| 12.670 | -0.212 | 12.683 | -0.157 | 12.700 | -0.037 | 12.709 | 0.110 | 14.804 | 0.021 | 14.813 | 0.069 | 14.830 | 0.159 | 14.840 | 0.214 |
| 12.718 | 0.087 | 12.722 | 0.108 | 12.730 | 0.143 | 12.739 | 0.115 | 14.848 | 0.270 | 14.856 | 0.311 | 14.863 | 0.332 | 14.871 | 0.345 |
| 12.746 | 0.073 | 12.754 | -0.052 | 12.762 | -0.053 | 12.770 | -0.107 | 14.879 | 0.324 | 14.887 | 0.262 | 14.905 | 0.143 | 14.912 | 0.101 |
| 12.779 | -0.121 | 12.782 | -0.079 | 12.802 | -0.037 | 12.815 | -0.023 | 14.921 | 0.339 | 14.930 | 0.024 | 14.938 | 0.052 | 14.945 | 0.067 |
| 12.826 | -0.037 | 12.836 | -0.065 | 12.842 | -0.078 | 12.857 | -0.057 | 14.958 | 0.334 | 14.966 | 0.310 | 14.970 | 0.325 | 14.977 | 0.353 |
| 12.865 | 0.005 | 12.876 | 0.047 | 12.887 | 0.096 | 12.895 | 0.089 | 14.988 | 0.374 | 14.995 | 0.368 | 15.006 | 0.347 | 15.014 | 0.306 |
| 12.903 | 0.089 | 12.911 | 0.054 | 12.920 | -0.008 | 12.935 | -0.174 | 15.025 | -0.223 | 15.043 | -0.140 | 15.043 | -0.050 | 15.045 | 0.030 |
| 12.943 | -0.285 | 12.953 | -0.347 | 12.961 | -0.375 | 12.971 | -0.381 | 15.058 | -0.009 | 15.069 | 0.003 | 15.081 | -0.003 | 15.091 | 0.004 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 15.101 | C.018 | 15.109 | 0.047 | 15.121 | 0.117 | 15.129 | 0.166 | 18.040 | C.C66 | 18.060 | C.103 | 18.074 | C.173 | 18.090 | 0.216 |
| 15.133 | 0.200 | 15.141 | 0.221 | 15.147 | 0.208 | 15.158 | 0.132 | 18.103 | 0.203 | 18.118 | 0.107 | 18.132 | C.018 | 18.146 | -0.064 |
| 15.166 | 0.021 | 15.177 | 0.083 | 15.186 | 0.118 | 15.198 | -0.138 | 18.167 | -0.056 | 18.180 | -0.123 | 18.196 | -0.128 | 18.205 | -0.141 |
| 15.214 | -0.124 | 15.222 | -0.096 | 15.231 | -0.082 | 15.244 | -0.091 | 18.217 | -0.112 | 18.233 | -0.041 | 18.251 | 0.065 | 18.267 | 0.178 |
| 15.259 | -0.074 | 15.271 | -0.039 | 15.281 | -0.011 | 15.297 | 0.031 | 18.277 | 0.241 | 18.287 | 0.256 | 18.299 | 0.235 | 18.314 | C.130 |
| 15.306 | C.059 | 15.315 | 0.087 | 15.327 | 0.087 | 15.341 | 0.094 | 18.333 | C.018 | 18.350 | -0.063 | 18.364 | 0.024 | 18.376 | C.079 |
| 15.354 | C.094 | 15.371 | 0.121 | 15.397 | 0.113 | 15.400 | 0.120 | 18.393 | C.103 | 18.407 | 0.272 | 18.422 | 0.313 | 18.434 | 0.278 |
| 15.416 | 0.126 | 15.426 | 0.154 | 15.440 | 0.195 | 15.451 | C.230 | 18.455 | C.217 | 18.482 | 0.157 | 18.499 | 0.123 | 18.519 | 0.026 |
| 15.463 | 0.208 | 15.468 | 0.215 | 15.474 | 0.167 | 15.480 | 0.135 | 18.535 | -0.105 | 18.552 | -0.201 | 18.563 | -0.215 | 18.579 | -0.086 |
| 15.496 | -0.015 | 15.504 | -0.050 | 15.510 | -0.057 | 15.519 | -0.044 | 18.593 | -0.095 | 18.605 | -0.063 | 18.616 | 0.033 | 18.627 | C.013 |
| 15.532 | C.126 | 15.545 | 0.086 | 15.557 | 0.134 | 15.569 | 0.120 | 18.640 | C.055 | 18.655 | -0.088 | 18.672 | -0.058 | 18.689 | -0.042 |
| 15.578 | 0.032 | 15.588 | 0.119 | 15.600 | 0.069 | 15.613 | 0.030 | 18.705 | 0.008 | 18.715 | -0.012 | 18.732 | -0.055 | 18.747 | -0.129 |
| 15.627 | -0.009 | 15.639 | -0.065 | 15.649 | -0.079 | 15.662 | -0.066 | 18.764 | -0.121 | 18.782 | -0.127 | 18.799 | -0.154 | 18.812 | -0.147 |
| 15.675 | -0.004 | 15.692 | 0.010 | 15.703 | 0.037 | 15.717 | 0.024 | 18.832 | -0.134 | 18.844 | -0.162 | 18.863 | -0.158 | 18.878 | -0.212 |
| 15.728 | C.038 | 15.740 | 0.059 | 15.751 | 0.094 | 15.764 | 0.135 | 18.901 | -0.185 | 18.920 | -0.144 | 18.940 | -0.115 | 18.962 | -0.087 |
| 15.780 | 0.177 | 15.796 | 0.233 | 15.804 | 0.268 | 15.813 | 0.296 | 18.980 | -0.018 | 18.995 | -0.038 | 19.017 | C.052 | 19.033 | C.031 |
| 15.826 | 0.256 | 15.841 | 0.289 | 15.849 | 0.303 | 15.859 | 0.282 | 19.049 | -0.018 | 19.067 | -0.115 | 19.083 | -0.240 | 19.092 | 0.296 |
| 15.870 | 0.248 | 15.884 | 0.186 | 15.894 | 0.132 | 15.905 | 0.105 | 19.103 | -0.317 | 19.115 | -0.256 | 19.128 | -0.152 | 19.144 | -0.103 |
| 15.919 | 0.092 | 15.934 | 0.073 | 15.944 | 0.067 | 15.956 | 0.054 | 19.157 | -0.062 | 19.171 | -0.077 | 19.191 | -0.134 | 19.201 | -0.176 |
| 15.968 | -0.049 | 15.989 | -0.166 | 15.995 | -0.193 | 16.004 | -0.206 | 19.220 | -0.247 | 19.239 | -0.322 | 19.253 | -0.388 | 19.263 | -0.409 |
| 16.010 | -0.178 | 16.016 | -0.115 | 16.035 | 0.026 | 16.045 | 0.138 | 19.274 | -0.362 | 19.292 | -0.599 | 19.306 | -0.188 | 19.321 | -0.105 |
| 16.050 | 0.173 | 16.065 | 0.222 | 16.075 | 0.167 | 16.085 | 0.078 | 19.335 | -0.054 | 19.346 | -0.044 | 19.360 | -0.072 | 19.377 | -0.100 |
| 16.097 | -0.039 | 16.112 | -0.198 | 16.127 | -0.267 | 16.137 | -0.259 | 19.389 | -0.100 | 19.409 | -0.100 | 19.421 | -0.086 | 19.440 | -0.142 |
| 16.149 | -0.244 | 16.164 | -0.155 | 16.180 | -0.146 | 16.192 | -0.081 | 19.460 | -0.177 | 19.481 | -0.225 | 19.498 | -0.280 | 19.518 | -0.357 |
| 16.206 | -0.013 | 16.227 | -0.005 | 16.241 | 0.058 | 16.256 | 0.142 | 19.535 | -0.358 | 19.547 | -0.370 | 19.562 | -0.286 | 19.580 | -0.182 |
| 16.270 | C.215 | 16.279 | 0.247 | 16.289 | 0.213 | 16.298 | 0.123 | 19.595 | -0.058 | 19.611 | -0.050 | 19.626 | -0.057 | 19.639 | -0.091 |
| 16.309 | -0.022 | 16.322 | -0.119 | 16.333 | -0.160 | 16.350 | -0.201 | 19.652 | -0.112 | 19.666 | -0.064 | 19.687 | -0.036 | 19.705 | 0.026 |
| 16.355 | -0.180 | 16.373 | -0.159 | 16.383 | -0.187 | 16.400 | -0.291 | 19.718 | C.074 | 19.734 | C.053 | 19.752 | C.073 | 19.763 | 0.073 |
| 16.418 | -0.312 | 16.427 | -0.326 | 16.437 | -0.263 | 16.449 | -0.292 | 19.781 | C.052 | 19.796 | 0.030 | 19.812 | 0.030 | 19.831 | C.044 |
| 16.460 | -0.272 | 16.470 | -0.321 | 16.484 | -0.281 | 16.502 | -0.227 | 19.845 | C.005 | 19.865 | 0.100 | 19.883 | C.120 | 19.905 | 0.148 |
| 16.519 | -0.166 | 16.535 | -0.140 | 16.552 | -0.078 | 16.563 | -0.057 | 19.921 | 0.183 | 19.933 | C.177 | 19.947 | C.143 | 19.962 | 0.088 |
| 16.573 | -0.023 | 16.583 | -0.017 | 16.602 | -0.045 | 16.620 | -0.080 | 19.979 | -0.009 | 19.989 | -0.030 | 20.000 | -0.050 | 20.009 | -0.029 |
| 16.636 | -0.067 | 16.650 | -0.171 | 16.670 | -0.268 | 16.684 | -0.267 | 20.024 | 0.013 | 20.042 | C.040 | 20.057 | 0.018 | 20.076 | C.004 |
| 16.655 | -0.239 | 16.706 | -0.162 | 16.717 | -0.099 | 16.726 | -0.099 | 20.053 | C.017 | 20.109 | C.037 | 20.128 | C.025 | 20.141 | C.056 |
| 16.735 | -0.133 | 16.749 | -0.230 | 16.764 | -0.438 | 16.779 | -0.514 | 20.157 | C.103 | 20.173 | 0.157 | 20.185 | C.205 | 20.204 | C.204 |
| 16.757 | -0.541 | 16.809 | -0.533 | 16.827 | -0.477 | 16.842 | -0.442 | 20.222 | C.212 | 20.240 | C.159 | 20.256 | C.207 | 20.270 | C.155 |
| 16.853 | -0.427 | 16.866 | -0.476 | 16.879 | -0.461 | 16.892 | -0.488 | 20.285 | C.182 | 20.301 | C.134 | 20.318 | C.074 | 20.330 | 0.027 |
| 16.903 | -0.432 | 16.921 | -0.328 | 16.938 | -0.209 | 16.951 | -0.133 | 20.347 | C.008 | 20.365 | 0.017 | 20.383 | C.061 | 20.402 | C.057 |
| 16.965 | -0.077 | 16.982 | -0.083 | 17.001 | -0.055 | 17.019 | -0.041 | 20.424 | 0.132 | 20.441 | C.174 | 20.459 | 0.188 | 20.479 | C.195 |
| 17.033 | -0.076 | 17.051 | -0.125 | 17.064 | -0.146 | 17.084 | -0.174 | 20.497 | 0.216 | 20.515 | 0.229 | 20.533 | C.201 | 20.554 | C.158 |
| 17.101 | -0.174 | 17.116 | -0.133 | 17.130 | -0.105 | 17.144 | -0.015 | 20.572 | C.101 | 20.585 | C.058 | 20.598 | 0.029 | 20.608 | 0.056 |
| 17.160 | C.068 | 17.172 | 0.089 | 17.188 | 0.068 | 17.201 | -0.009 | 20.622 | 0.104 | 20.640 | C.144 | 20.657 | C.163 | 20.671 | C.147 |
| 17.218 | -0.030 | 17.226 | -0.030 | 17.241 | -0.016 | 17.253 | 0.060 | 20.688 | C.069 | 20.704 | -0.044 | 20.718 | -0.108 | 20.732 | -0.102 |
| 17.280 | 0.122 | 17.297 | 0.164 | 17.313 | 0.178 | 17.332 | 0.248 | 20.748 | -0.052 | 20.762 | -0.028 | 20.781 | C.039 | 20.795 | C.080 |
| 17.348 | 0.311 | 17.365 | 0.353 | 17.376 | 0.311 | 17.391 | 0.242 | 20.811 | 0.113 | 20.823 | C.058 | 20.846 | C.049 | 20.864 | C.000 |
| 17.403 | 0.145 | 17.415 | 0.131 | 17.426 | 0.159 | 17.442 | 0.228 | 20.887 | -0.014 | 20.904 | -0.021 | 20.917 | -0.001 | 20.931 | C.041 |
| 17.455 | C.249 | 17.463 | 0.214 | 17.476 | 0.082 | 17.488 | -0.050 | 20.949 | C.071 | 20.965 | C.058 | 20.982 | C.039 | 20.999 | 0.033 |
| 17.504 | -0.154 | 17.518 | -0.217 | 17.530 | -0.210 | 17.545 | -0.190 | 21.017 | C.028 | 21.035 | C.068 | 21.052 | C.023 | 21.066 | C.052 |
| 17.564 | -0.149 | 17.582 | -0.080 | 17.598 | 0.065 | 17.611 | 0.218 | 21.081 | C.067 | 21.095 | C.060 | 21.111 | C.033 | 21.125 | 0.009 |
| 17.628 | 0.259 | 17.638 | 0.364 | 17.648 | 0.357 | 17.664 | 0.294 | 21.136 | -0.000 | 21.151 | C.014 | 21.165 | C.049 | 21.188 | C.070 |
| 17.678 | 0.288 | 17.693 | 0.252 | 17.713 | 0.287 | 17.725 | 0.308 | 21.193 | 0.063 | 21.207 | -0.056 | 21.225 | C.035 | 21.239 | -0.021 |
| 17.740 | 0.288 | 17.756 | 0.247 | 17.767 | 0.261 | 17.781 | 0.282 | 21.256 | -0.029 | 21.270 | -0.054 | 21.283 | -0.144 | 21.292 | -0.152 |
| 17.797 | 0.373 | 17.828 | 0.353 | 17.838 | 0.353 | 17.839 | 0.353 | 21.304 | -0.133 | 21.320 | -0.087 | 21.331 | -0.038 | 21.348 | C.003 |
| 17.857 | C.409 | 17.876 | 0.492 | 17.889 | 0.513 | 17.901 | 0.478 | 21.364 | -0.264 | 21.380 | -0.066 | 21.393 | -0.072 | 21.417 | C.005 |
| 17.915 | 0.402 | 17.931 | 0.257 | 17.953 | 0.159 | 17.969 | 0.020 | 21.434 | -0.020 | 21.454 | -0.032 | 21.468 | -0.025 | 21.488 | -0.003 |
| 17.984 | -0.057 | 17.999 | -0.105 | 18.009 | -0.112 | 18.024 | -0.071 | 21.507 | 0.012 | 21.525 | 0.006 | 21.544 | C.007 | 21.562 | C.035 |

| | | | | | | | | | | | | | | | |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 21.584 | 0.042 | 21.602 | 0.008 | 21.619 | -0.006 | 21.637 | C.001 | 24.505 | 0.024 | 24.517 | C.045 | 24.533 | 0.067 | 24.543 | C.082 |
| 21.658 | 0.014 | 21.674 | 0.029 | 21.689 | 0.050 | 21.705 | C.016 | 24.552 | 0.082 | 24.570 | C.048 | 24.583 | C.000 | 24.601 | C.047 |
| 21.725 | -0.032 | 21.745 | -0.040 | 21.761 | -0.041 | 21.769 | C.034 | 24.616 | -C.060 | 24.630 | -C.032 | 24.653 | C.004 | 24.665 | C.026 |
| 21.777 | -0.035 | 21.787 | -0.008 | 21.793 | 0.020 | 21.802 | 0.047 | 24.685 | C.013 | 24.704 | -C.000 | 24.714 | -C.013 | 24.730 | 0.008 |
| 21.808 | C.074 | *21.818 | 0.108 | 21.833 | 0.109 | 21.847 | 0.081 | 24.744 | C.037 | 24.766 | C.051 | 24.766 | C.052 | 24.781 | C.060 |
| 21.859 | 0.061 | 21.865 | 0.019 | 21.874 | 0.005 | 21.884 | 0.008 | 24.792 | C.081 | 24.805 | 0.124 | 24.817 | C.146 | 24.827 | 0.167 |
| 21.889 | -0.008 | 21.898 | 0.006 | 21.915 | 0.042 | 21.925 | 0.103 | 24.844 | C.120 | 24.860 | 0.037 | 24.870 | -C.018 | 24.881 | -C.059 |
| 21.933 | 0.159 | 21.944 | 0.180 | 21.953 | 0.160 | 21.961 | 0.139 | 24.895 | -0.086 | 24.907 | 0.099 | 24.924 | -C.008 | 24.938 | -C.057 |
| 21.970 | 0.091 | 21.979 | 0.035 | 21.988 | -0.034 | 22.000 | 0.061 | 24.949 | -0.082 | 24.960 | -0.047 | 24.971 | C.003 | 24.979 | C.024 |
| 22.008 | -0.123 | 22.018 | -0.171 | 22.025 | -0.199 | 22.036 | -0.226 | 24.985 | 0.052 | 25.001 | 0.033 | 25.019 | -C.001 | 25.032 | -0.021 |
| 22.054 | -0.157 | 22.067 | -0.148 | 22.075 | -0.085 | 22.085 | -0.029 | 25.045 | 0.052 | 25.058 | 0.045 | 25.074 | C.031 | 25.084 | C.060 |
| 22.058 | -0.001 | 22.112 | 0.041 | 22.122 | 0.077 | 22.136 | 0.064 | 25.093 | C.074 | 25.109 | 0.041 | 25.124 | -C.000 | 25.134 | C.006 |
| 22.149 | C.057 | 22.164 | 0.023 | 22.176 | -0.032 | 22.185 | -0.060 | 25.146 | 0.016 | 25.156 | 0.030 | 25.169 | 0.045 | 25.183 | C.018 |
| 22.189 | -0.087 | 22.199 | -0.108 | 22.212 | -0.093 | 22.231 | -0.072 | 25.196 | -0.023 | 25.212 | -0.070 | 25.224 | -0.083 | 25.239 | -0.068 |
| 22.244 | -0.022 | 22.254 | 0.020 | 22.263 | 0.069 | 22.281 | 0.153 | 25.255 | -C.046 | 25.273 | -C.024 | 25.291 | C.005 | 25.302 | -0.008 |
| 22.291 | 0.174 | 22.304 | 0.189 | 22.320 | 0.143 | 22.328 | 0.113 | 25.314 | -0.028 | 25.328 | -0.075 | 25.343 | -C.095 | 25.359 | -C.080 |
| 22.337 | 0.065 | 22.345 | 0.010 | 22.352 | -0.018 | 22.361 | 0.045 | 25.380 | -C.051 | 25.402 | -0.015 | 25.418 | -C.007 | 25.445 | C.037 |
| 22.365 | -0.059 | 22.375 | -0.038 | 22.387 | -0.017 | 22.395 | -0.009 | 25.470 | C.060 | 25.487 | C.047 | 25.508 | C.007 | 25.528 | -C.054 |
| 22.403 | -0.009 | 22.412 | -0.009 | 22.428 | 0.005 | 22.437 | 0.027 | 25.537 | -0.088 | 25.553 | -0.108 | 25.569 | -0.093 | 25.582 | -C.065 |
| 22.450 | 0.027 | 22.460 | 0.041 | 22.473 | 0.041 | 22.482 | 0.028 | 25.598 | -C.050 | 25.614 | -0.049 | 25.627 | -C.013 | 25.639 | 0.015 |
| 22.492 | C.000 | 22.503 | -0.048 | 22.515 | -0.124 | 22.525 | -0.138 | 25.660 | 0.051 | 25.675 | C.031 | 25.687 | C.011 | 25.703 | 0.012 |
| 22.539 | -0.165 | 22.558 | -0.158 | 22.576 | -0.123 | 22.592 | -0.088 | 25.719 | 0.013 | 25.727 | 0.014 | 25.742 | -C.020 | 25.758 | -0.061 |
| 22.604 | -0.066 | 22.613 | -0.045 | 22.620 | -0.031 | 22.636 | -0.059 | 25.769 | -0.089 | 25.789 | -0.109 | 25.806 | -0.052 | 25.818 | -0.031 |
| 22.648 | -C.100 | 22.658 | -0.148 | 22.670 | -0.169 | 22.686 | -0.148 | 25.826 | -0.031 | 25.843 | -0.051 | 25.861 | -C.071 | 25.876 | -C.091 |
| 22.698 | -C.071 | 22.709 | 0.013 | 22.716 | 0.048 | 22.727 | 0.090 | 25.894 | -C.041 | 25.906 | -0.006 | 25.928 | C.016 | 25.944 | -C.005 |
| 22.735 | C.076 | 22.746 | 0.035 | 22.764 | 0.006 | 22.780 | 0.029 | 25.952 | -C.018 | 25.960 | -0.039 | 25.972 | -C.004 | 25.992 | -C.039 |
| 22.768 | C.050 | 22.801 | 0.078 | 22.813 | 0.051 | 22.833 | 0.003 | 26.004 | 0.011 | 26.015 | -0.030 | 26.034 | -C.071 | 26.050 | -C.084 |
| 22.850 | -0.017 | 22.875 | -0.037 | 22.895 | -0.050 | 22.908 | -0.050 | 26.063 | -0.091 | 26.075 | -C.076 | 26.091 | -C.048 | 26.100 | -C.093 |
| 22.917 | -0.064 | 22.926 | -0.035 | 22.947 | 0.028 | 22.957 | 0.063 | 26.112 | 0.036 | 26.121 | 0.064 | 26.129 | C.072 | 26.141 | 0.093 |
| 22.971 | 0.084 | 22.991 | 0.064 | 23.010 | 0.024 | 23.024 | 0.003 | 26.158 | 0.031 | 26.165 | -0.004 | 26.174 | -C.038 | 26.205 | -C.044 |
| 23.032 | -0.010 | 23.048 | 0.011 | 23.073 | 0.054 | 23.086 | 0.027 | 26.215 | -C.043 | 26.229 | -C.028 | 26.240 | -C.063 | 26.252 | -C.021 |
| 23.097 | -0.007 | 23.107 | -0.062 | 23.119 | -0.076 | 23.135 | -0.033 | 26.261 | -C.000 | 26.268 | 0.028 | 26.279 | C.049 | 26.298 | C.036 |
| 23.148 | 0.009 | 23.155 | 0.030 | 23.169 | 0.024 | 23.184 | 0.011 | 26.322 | 0.009 | 26.340 | 0.010 | 26.361 | -0.010 | 26.377 | C.040 |
| 23.190 | -C.003 | 23.201 | -0.016 | 23.214 | -0.016 | 23.226 | -0.057 | 26.393 | C.062 | 26.401 | C.103 | 26.410 | C.118 | 26.425 | C.091 |
| 23.235 | -0.105 | 23.247 | -0.160 | 23.257 | -0.180 | 23.269 | -0.200 | 26.444 | 0.057 | 26.459 | 0.030 | 26.480 | C.003 | 26.499 | C.032 |
| 23.285 | -0.158 | 23.296 | -0.122 | 23.307 | -0.032 | 23.319 | 0.025 | 26.512 | 0.088 | 26.523 | C.123 | 26.538 | C.151 | 26.555 | C.104 |
| 23.337 | C.074 | 23.354 | 0.088 | 23.362 | 0.048 | 23.370 | 0.020 | 26.575 | 0.056 | 26.595 | 0.074 | 26.610 | C.023 | 26.620 | 0.009 |
| 23.382 | 0.014 | 23.397 | 0.056 | 23.411 | 0.099 | 23.428 | 0.121 | 26.642 | 0.045 | 26.663 | 0.074 | 26.683 | C.109 | 26.710 | C.144 |
| 23.441 | -0.093 | 23.452 | 0.052 | 23.462 | -0.017 | 23.472 | -0.044 | 26.726 | C.180 | 26.740 | 0.208 | 26.758 | 0.174 | 26.769 | C.153 |
| 23.482 | -0.071 | 23.497 | -0.070 | 23.512 | -0.083 | 23.528 | -0.131 | 26.787 | C.147 | 26.803 | C.126 | 26.819 | C.057 | 26.837 | C.009 |
| 23.541 | -0.172 | 23.552 | -0.220 | 23.564 | -0.027 | 23.584 | -0.184 | 26.848 | -0.011 | 26.863 | -0.018 | 26.883 | -0.017 | 26.903 | -C.003 |
| 23.617 | -0.112 | 23.644 | -0.035 | 23.654 | -0.027 | 23.666 | -0.005 | 26.920 | -0.002 | 26.938 | -0.002 | 26.962 | C.013 | 26.974 | C.020 |
| 23.684 | -0.039 | 23.702 | -0.121 | 23.720 | -0.182 | 23.734 | -0.195 | 26.995 | 0.014 | 27.012 | 0.014 | 27.028 | C.001 | 27.045 | C.015 |
| 23.747 | -0.146 | 23.761 | -0.083 | 23.769 | -0.040 | 23.784 | 0.030 | 27.060 | C.037 | 27.071 | 0.072 | 27.088 | C.101 | 27.101 | C.136 |
| 23.806 | C.032 | 23.823 | 0.019 | 23.835 | 0.006 | 23.853 | 0.021 | 27.121 | C.088 | 27.136 | C.041 | 27.158 | -C.049 | 27.171 | -C.083 |
| 23.869 | 0.029 | 23.886 | 0.010 | 23.902 | -0.003 | 23.922 | -0.016 | 27.181 | -C.096 | 27.195 | -0.096 | 27.210 | -0.074 | 27.222 | -C.032 |
| 23.935 | -0.001 | 23.950 | 0.035 | 23.962 | 0.071 | 23.969 | 0.099 | 27.233 | 0.018 | 27.245 | C.067 | 27.260 | C.082 | 27.267 | C.056 |
| 23.980 | 0.106 | 23.999 | 0.080 | 24.016 | 0.011 | 24.028 | -0.037 | 27.276 | -0.069 | 27.289 | -0.007 | 27.298 | -C.027 | 27.310 | -0.054 |
| 24.035 | -C.050 | 24.052 | -0.035 | 24.067 | 0.021 | 24.079 | 0.057 | 27.318 | -C.089 | 27.328 | -C.102 | 27.343 | -0.115 | 27.364 | -0.093 |
| 24.096 | 0.086 | 24.109 | 0.073 | 24.128 | -0.023 | 24.139 | -0.085 | 27.387 | -C.043 | 27.402 | -C.021 | 27.409 | 0.014 | 27.427 | 0.022 |
| 24.155 | -0.112 | 24.170 | -0.091 | 24.183 | -0.055 | 24.192 | -0.020 | 27.447 | C.002 | 27.464 | -C.011 | 27.475 | C.011 | 27.484 | C.039 |
| 24.203 | C.015 | 24.216 | 0.037 | 24.234 | -0.011 | 24.250 | -0.038 | 27.495 | 0.068 | 27.506 | C.110 | 27.522 | C.145 | 27.530 | C.160 |
| 24.265 | -0.037 | 24.275 | -0.023 | 24.291 | -0.008 | 24.307 | -0.007 | 27.542 | 0.174 | 27.559 | C.141 | 27.574 | C.107 | 27.584 | C.073 |
| 24.326 | -0.013 | 24.340 | -0.026 | 24.361 | -0.060 | 24.377 | -0.080 | 27.596 | -C.025 | 27.607 | -0.027 | 27.620 | -C.078 | 27.633 | -C.105 |
| 24.395 | -0.107 | 24.412 | -0.071 | 24.425 | -C.008 | 24.439 | 0.041 | 27.644 | 0.125 | 27.662 | -0.117 | 27.678 | -C.102 | 27.697 | -C.087 |
| 24.451 | C.084 | 24.459 | 0.105 | 24.474 | 0.085 | 24.488 | 0.058 | 27.712 | -C.072 | 27.728 | -0.029 | 27.746 | C.014 | 27.770 | C.002 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27.791 | -0.010 | 27.808 | -0.030 | 27.822 | -0.056 | 27.835 | -0.069 | 31.119 | -0.012 | 31.132 | 0.003 | 31.150 | 0.039 | 31.168 | 0.061 |
| 27.841 | -0.068 | 27.853 | -0.040 | 27.863 | -0.011 | 27.882 | 0.025 | 31.184 | 0.041 | 31.201 | 0.028 | 31.216 | 0.006 | 31.226 | -0.026 |
| 27.885 | 0.033 | 27.911 | 0.035 | 27.931 | 0.023 | 27.943 | 0.010 | 31.243 | -0.032 | 31.257 | -0.032 | 31.267 | -0.024 | 31.278 | -0.017 |
| 27.954 | 0.011 | 27.970 | 0.041 | 27.982 | 0.069 | 27.995 | 0.085 | 31.296 | -0.016 | 31.307 | 0.029 | 31.316 | 0.036 | 31.323 | 0.007 |
| 28.009 | 0.086 | 28.024 | 0.087 | 28.037 | 0.040 | 28.050 | 0.007 | 31.350 | 0.008 | 31.367 | 0.043 | 31.376 | 0.037 | 31.385 | 0.010 |
| 28.058 | -0.020 | 28.066 | -0.033 | 28.086 | -0.004 | 28.095 | 0.025 | 31.411 | -0.031 | 31.424 | -0.045 | 31.436 | -0.065 | 31.454 | -0.002 |
| 28.104 | 0.054 | 28.112 | 0.068 | 28.119 | 0.076 | 28.134 | 0.098 | 31.466 | 0.040 | 31.475 | 0.062 | 31.483 | 0.083 | 31.502 | 0.070 |
| 28.147 | 0.078 | 28.163 | 0.045 | 28.172 | 0.018 | 28.185 | -0.030 | 31.521 | 0.063 | 31.537 | 0.043 | 31.549 | 0.016 | 31.562 | 0.010 |
| 28.199 | -0.042 | 28.215 | 0.008 | 28.255 | 0.067 | 28.274 | 0.090 | 31.583 | 0.053 | 31.600 | 0.088 | 31.618 | 0.124 | 31.634 | 0.153 |
| 28.290 | 0.112 | 28.307 | 0.120 | 28.324 | 0.128 | 28.341 | 0.116 | 31.653 | 0.188 | 31.666 | 0.203 | 31.674 | 0.203 | 31.693 | 0.177 |
| 28.349 | 0.095 | 28.361 | 0.068 | 28.376 | 0.021 | 28.397 | 0.015 | 31.722 | 0.109 | 31.736 | 0.061 | 31.748 | 0.027 | 31.765 | 0.077 |
| 28.416 | -0.004 | 28.433 | -0.003 | 28.454 | 0.012 | 28.468 | 0.041 | 31.782 | 0.036 | 31.798 | 0.051 | 31.817 | 0.073 | 31.837 | 0.081 |
| 28.492 | -0.007 | 28.505 | -0.034 | 28.517 | -0.075 | 28.531 | -0.088 | 31.856 | 0.065 | 31.866 | 0.069 | 31.886 | 0.063 | 31.903 | 0.070 |
| 28.509 | -0.037 | 28.532 | -0.001 | 28.540 | -0.044 | 28.561 | -0.051 | 31.915 | 0.085 | 31.928 | 0.099 | 31.943 | 0.107 | 31.958 | 0.087 |
| 28.569 | 0.007 | 28.590 | 0.006 | 28.600 | 0.013 | 28.653 | 0.014 | 31.976 | 0.039 | 31.993 | 0.005 | 32.005 | -0.016 | 32.022 | -0.001 |
| 28.632 | 0.007 | 28.640 | 0.006 | 28.700 | 0.001 | 28.721 | 0.009 | 32.042 | 0.006 | 32.061 | 0.014 | 32.070 | 0.021 | 32.085 | 0.049 |
| 28.732 | 0.037 | 28.743 | 0.051 | 28.756 | 0.065 | 28.772 | 0.052 | 32.098 | 0.063 | 32.112 | 0.063 | 32.131 | 0.043 | 32.141 | 0.057 |
| 28.779 | 0.031 | 28.803 | -0.017 | 28.823 | -0.030 | 28.835 | -0.022 | 32.155 | 0.064 | 32.170 | 0.058 | 32.182 | 0.058 | 32.196 | 0.065 |
| 28.845 | -0.015 | 28.856 | 0.006 | 28.865 | 0.027 | 28.871 | 0.049 | 32.212 | 0.100 | 32.226 | 0.128 | 32.239 | 0.136 | 32.260 | 0.143 |
| 28.883 | 0.056 | 28.899 | 0.015 | 28.914 | -0.040 | 28.925 | -0.067 | 32.274 | 0.115 | 32.286 | 0.130 | 32.294 | 0.123 | 32.310 | 0.123 |
| 28.935 | -0.088 | 28.953 | -0.087 | 28.967 | -0.087 | 28.981 | -0.079 | 32.328 | 0.123 | 32.336 | 0.110 | 32.350 | 0.075 | 32.363 | 0.055 |
| 28.988 | -0.065 | 28.998 | -0.037 | 29.016 | -0.030 | 29.032 | -0.015 | 32.379 | 0.062 | 32.384 | 0.063 | 32.417 | 0.050 | 32.429 | 0.057 |
| 29.045 | -0.008 | 29.059 | 0.006 | 29.066 | 0.020 | 29.091 | -0.014 | 32.445 | 0.051 | 32.460 | 0.051 | 32.477 | 0.052 | 32.493 | 0.031 |
| 29.102 | -0.034 | 29.113 | -0.041 | 29.128 | -0.020 | 29.142 | -0.012 | 32.506 | -0.039 | 32.514 | -0.039 | 32.526 | 0.011 | 32.544 | -0.023 |
| 29.156 | -0.019 | 29.169 | -0.032 | 29.176 | -0.046 | 29.189 | -0.046 | 32.554 | -0.029 | 32.564 | -0.043 | 32.583 | -0.021 | 32.599 | 0.001 |
| 29.208 | -0.045 | 29.221 | -0.031 | 29.232 | -0.003 | 29.249 | -0.019 | 32.613 | 0.015 | 32.627 | 0.037 | 32.646 | 0.037 | 32.665 | 0.045 |
| 29.255 | 0.033 | 29.275 | 0.005 | 29.289 | -0.008 | 29.307 | -0.028 | 32.675 | -0.050 | 32.684 | -0.035 | 32.705 | -0.030 | 32.716 | -0.050 |
| 29.327 | -0.063 | 29.340 | -0.076 | 29.356 | -0.076 | 29.374 | -0.075 | 32.735 | -0.050 | 32.754 | -0.035 | 32.763 | 0.035 | 32.776 | -0.007 |
| 29.385 | -0.075 | 29.401 | -0.074 | 29.413 | -0.032 | 29.424 | -0.004 | 32.788 | 0.021 | 32.801 | 0.029 | 32.816 | 0.001 | 32.834 | 0.047 |
| 29.436 | 0.031 | 29.451 | 0.073 | 29.463 | 0.054 | 29.475 | 0.109 | 32.852 | -0.060 | 32.871 | -0.066 | 32.889 | -0.079 | 32.905 | -0.079 |
| 29.484 | -0.028 | 29.498 | -0.095 | 29.516 | 0.040 | 29.530 | 0.013 | 32.918 | 0.065 | 32.926 | -0.057 | 32.940 | 0.022 | 32.971 | 0.034 |
| 29.549 | 0.068 | 29.564 | 0.062 | 29.577 | -0.076 | 29.592 | -0.089 | 32.987 | 0.042 | 33.004 | 0.035 | 33.021 | 0.008 | 33.042 | -0.034 |
| 29.609 | -0.068 | 29.628 | -0.019 | 29.643 | -0.012 | 29.656 | -0.018 | 33.048 | -0.054 | 33.066 | -0.054 | 33.083 | -0.074 | 33.095 | -0.095 |
| 29.674 | -0.073 | 29.691 | -0.121 | 29.703 | -0.114 | 29.715 | -0.052 | 33.105 | -0.101 | 33.113 | -0.115 | 33.143 | -0.045 | 33.154 | -0.031 |
| 29.734 | -0.064 | 29.750 | -0.035 | 29.770 | -0.006 | 29.778 | 0.001 | 33.167 | -0.030 | 33.182 | -0.044 | 33.202 | -0.085 | 33.220 | -0.120 |
| 29.754 | -0.040 | 29.811 | -0.081 | 29.823 | -0.108 | 29.845 | -0.114 | 33.230 | -0.140 | 33.245 | -0.147 | 33.256 | -0.126 | 33.275 | -0.058 |
| 29.865 | -0.099 | 29.882 | -0.126 | 29.902 | -0.098 | 29.918 | -0.104 | 33.288 | -0.069 | 33.304 | -0.062 | 33.321 | -0.062 | 33.341 | -0.075 |
| 29.936 | -0.118 | 29.946 | -0.090 | 29.961 | -0.068 | 29.978 | -0.047 | 33.354 | -0.095 | 33.370 | -0.054 | 33.388 | -0.065 | 33.407 | -0.028 |
| 30.000 | -0.019 | 30.017 | 0.004 | 30.038 | -0.018 | 30.055 | -0.031 | 33.415 | -0.007 | 33.428 | -0.006 | 33.445 | 0.002 | 33.461 | 0.017 |
| 30.069 | -0.017 | 30.081 | 0.004 | 30.093 | 0.025 | 30.107 | 0.053 | 33.476 | -0.024 | 33.489 | -0.030 | 33.504 | -0.015 | 33.522 | -0.014 |
| 30.117 | 0.067 | 30.128 | 0.080 | 30.144 | 0.032 | 30.158 | -0.017 | 33.536 | -0.027 | 33.560 | -0.018 | 33.571 | -0.025 | 33.584 | -0.017 |
| 30.172 | -0.045 | 30.188 | -0.100 | 30.209 | -0.107 | 30.230 | -0.107 | 33.600 | -0.016 | 33.609 | -0.008 | 33.627 | 0.027 | 33.641 | 0.041 |
| 30.251 | -0.065 | 30.262 | -0.058 | 30.275 | -0.030 | 30.289 | -0.009 | 33.656 | 0.063 | 33.675 | 0.070 | 33.692 | 0.043 | 33.708 | 0.022 |
| 30.302 | -0.030 | 30.322 | -0.043 | 30.336 | -0.049 | 30.342 | -0.049 | 33.729 | -0.012 | 33.734 | -0.047 | 33.746 | -0.067 | 33.766 | -0.039 |
| 30.354 | -0.056 | 30.369 | -0.076 | 30.387 | -0.048 | 30.399 | -0.027 | 33.777 | -0.004 | 33.796 | 0.004 | 33.822 | 0.005 | 33.851 | 0.006 |
| 30.418 | -0.005 | 30.429 | 0.002 | 30.443 | 0.023 | 30.464 | 0.004 | 33.866 | 0.006 | 33.886 | 0.035 | 33.905 | 0.056 | 33.925 | 0.044 |
| 30.474 | -0.010 | 30.489 | 0.019 | 30.505 | 0.034 | 30.515 | 0.041 | 33.939 | 0.003 | 33.956 | -0.031 | 33.981 | -0.051 | 34.005 | -0.008 |
| 30.528 | -0.064 | 30.542 | -0.001 | 30.561 | -0.033 | 30.592 | -0.052 | 34.018 | 0.007 | 34.036 | 0.015 | 34.046 | 0.013 | 34.067 | -0.012 |
| 30.606 | -0.065 | 30.622 | -0.064 | 30.636 | -0.042 | 30.651 | -0.014 | 34.087 | 0.003 | 34.102 | 0.011 | 34.116 | 0.005 | 34.135 | -0.022 |
| 30.672 | 0.015 | 30.684 | 0.051 | 30.698 | 0.065 | 30.722 | 0.039 | 34.155 | -0.049 | 34.171 | -0.062 | 34.184 | -0.075 | 34.192 | -0.068 |
| 30.739 | 0.026 | 30.754 | -0.001 | 30.774 | 0.000 | 30.789 | 0.001 | 34.208 | -0.046 | 34.232 | -0.045 | 34.248 | -0.016 | 34.256 | -0.016 |
| 30.799 | 0.005 | 30.809 | 0.030 | 30.825 | 0.073 | 30.833 | 0.094 | 34.268 | -0.012 | 34.285 | -0.033 | 34.297 | -0.047 | 34.311 | 0.027 |
| 30.843 | 0.123 | 30.862 | 0.103 | 30.877 | 0.083 | 30.905 | 0.050 | 34.326 | 0.013 | 34.338 | -0.001 | 34.348 | -0.000 | 34.356 | -0.000 |
| 30.916 | 0.037 | 30.930 | 0.031 | 30.947 | 0.032 | 30.971 | 0.041 | 34.367 | -0.014 | 34.377 | -0.034 | 34.383 | -0.034 | 34.398 | -0.034 |
| 30.986 | 0.063 | 30.997 | 0.077 | 31.013 | 0.099 | 31.031 | 0.094 | 34.408 | -0.048 | 34.427 | -0.037 | 34.440 | -0.008 | 34.459 | 0.029 |
| 31.045 | 0.074 | 31.074 | 0.006 | 31.094 | -0.013 | 31.107 | -0.013 | 34.478 | 0.050 | 34.496 | 0.071 | 34.514 | 0.078 | 34.529 | 0.092 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 34.544 | C.086 | 34.558 | 0.065 | 34.572 | 0.016 | 34.585 | -0.004 | 38.360 | -C.075 | 38.407 | -C.018 | 38.429 | 0.045 | 38.459 | C.052 |
| 34.600 | -0.011 | 34.614 | -0.010 | 34.630 | 0.011 | 34.645 | -0.032 | 38.485 | 0.033 | 38.511 | -0.034 | 38.532 | 0.014 | 38.555 | -0.020 |
| 34.658 | 0.047 | 34.675 | 0.061 | 34.687 | 0.047 | 34.700 | 0.034 | 38.562 | C.016 | 38.605 | C.073 | 38.629 | 0.055 | 38.652 | 0.089 |
| 34.719 | 0.021 | 34.741 | 0.021 | 34.760 | 0.015 | 34.776 | -0.002 | 38.677 | 0.048 | 38.698 | -0.007 | 38.725 | -0.005 | 38.749 | 0.044 |
| 34.798 | -0.018 | 34.815 | -0.038 | 34.833 | -0.045 | 34.851 | -C.044 | 38.777 | 0.067 | 38.803 | -0.063 | 38.839 | 0.092 | 38.858 | C.073 |
| 34.865 | -0.037 | 34.881 | -0.008 | 34.899 | 0.013 | 34.917 | 0.021 | 38.892 | 0.054 | 38.918 | 0.042 | 38.941 | -0.005 | 38.972 | -0.017 |
| 34.936 | 0.043 | 34.949 | 0.043 | 34.967 | 0.044 | 34.984 | C.030 | 38.958 | C.006 | 39.023 | -0.014 | 39.041 | -0.012 | 39.067 | 0.032 |
| 35.003 | 0.024 | 35.021 | 0.018 | 35.038 | 0.032 | 35.055 | 0.033 | 39.050 | C.027 | 39.106 | -0.013 | 39.130 | -0.033 | 39.157 | 0.031 |
| 35.076 | 0.033 | 35.095 | 0.034 | 35.109 | 0.020 | 35.127 | 0.007 | 39.181 | 0.055 | 39.201 | C.077 | 39.228 | 0.045 | 39.255 | -C.030 |
| 35.144 | -0.008 | 35.164 | -0.006 | 35.182 | -0.019 | 35.201 | -0.018 | 39.278 | -0.028 | 39.307 | 0.002 | 39.332 | 0.005 | 39.345 | -0.022 |
| 35.222 | -0.004 | 35.243 | 0.025 | 35.267 | 0.025 | 35.275 | 0.019 | 39.378 | -C.116 | 39.397 | -0.121 | 39.428 | -0.014 | 39.445 | 0.099 |
| 35.258 | 0.026 | 35.312 | 0.026 | 35.328 | 0.034 | 35.341 | 0.034 | 39.482 | 0.150 | 39.498 | 0.124 | 39.516 | 0.049 | 39.532 | -0.012 |
| 35.352 | 0.034 | 35.364 | 0.041 | 35.374 | 0.042 | 35.387 | 0.042 | 39.566 | -0.032 | 39.565 | -0.003 | 39.585 | 0.034 | 39.602 | 0.028 |
| 35.359 | 0.042 | 35.412 | 0.042 | 35.423 | 0.043 | 35.428 | 0.043 | 39.620 | 0.022 | 39.644 | C.031 | 39.675 | C.055 | 39.711 | 0.071 |
| 35.438 | 0.043 | 35.448 | 0.043 | 35.459 | 0.043 | 35.472 | C.030 | 39.736 | 0.060 | 39.765 | 0.041 | 39.788 | C.022 | 39.812 | -0.004 |
| 35.466 | 0.002 | 35.503 | -0.032 | 35.517 | -0.046 | 35.536 | -0.031 | 39.836 | 0.033 | 39.863 | C.070 | 39.886 | C.058 | 39.912 | C.018 |
| 35.555 | C.004 | 35.573 | 0.026 | 35.592 | 0.048 | 35.609 | 0.048 | 39.937 | 0.013 | 39.962 | -0.005 | 39.983 | -0.018 | 40.000 | -0.002 |
| 35.627 | 0.085 | 35.641 | 0.036 | 35.660 | 0.043 | 35.673 | 0.072 | 40.023 | 0.083 | 40.040 | C.098 | 40.060 | C.058 | 40.081 | C.011 |
| 35.690 | 0.087 | 35.705 | 0.081 | 35.721 | 0.068 | 35.734 | 0.041 | 40.166 | -0.028 | 40.129 | C.016 | 40.155 | 0.081 | 40.179 | C.083 |
| 35.750 | 0.035 | 35.767 | 0.043 | 35.788 | 0.051 | 35.806 | 0.045 | 40.213 | 0.030 | 40.236 | C.026 | 40.265 | C.021 | 40.288 | -C.018 |
| 35.821 | C.018 | 35.835 | -0.009 | 35.851 | -0.015 | 35.867 | 0.000 | 40.306 | -0.072 | 40.324 | -0.051 | 40.344 | -0.041 | 40.365 | 0.017 |
| 35.881 | C.025 | 35.898 | 0.058 | 35.915 | 0.065 | 35.930 | 0.066 | 40.385 | C.032 | 40.415 | -0.035 | 40.444 | -0.089 | 40.478 | -0.094 |
| 35.943 | 0.067 | 35.961 | 0.068 | 35.978 | 0.076 | 35.995 | C.070 | 40.504 | -0.085 | 40.525 | -0.084 | 40.554 | -0.082 | 40.581 | -C.052 |
| 36.014 | -0.033 | 36.028 | -0.009 | 36.044 | -0.011 | 36.061 | -0.023 | 40.616 | -0.001 | 40.637 | C.014 | 40.659 | -0.020 | 40.678 | -0.033 |
| 36.081 | -0.036 | 36.094 | -0.036 | 36.110 | -0.097 | 36.124 | -0.062 | 40.702 | -0.070 | 40.725 | C.017 | 40.758 | C.032 | 40.782 | C.026 |
| 36.139 | 0.036 | 36.155 | 0.093 | 36.172 | 0.128 | 36.194 | C.136 | 40.804 | 0.006 | 40.821 | -0.014 | 40.846 | -0.013 | 40.861 | -C.013 |
| 36.207 | 0.116 | 36.223 | 0.068 | 36.244 | 0.035 | 36.263 | 0.015 | 40.883 | -0.040 | 40.901 | -0.067 | 40.916 | -0.080 | 40.939 | -0.044 |
| 36.283 | 0.009 | 36.302 | -0.004 | 36.324 | -0.003 | 36.340 | 0.012 | 40.962 | -0.002 | 40.988 | C.013 | 41.013 | C.021 | 41.037 | C.036 |
| 36.361 | 0.027 | 36.378 | 0.007 | 36.394 | -0.041 | 36.413 | -0.061 | 41.058 | 0.036 | 41.080 | 0.037 | 41.106 | 0.052 | 41.123 | 0.067 |
| 36.432 | -0.074 | 36.453 | -0.100 | 36.472 | -0.092 | 36.490 | -0.098 | 41.158 | C.082 | 41.171 | C.083 | 41.201 | C.057 | 41.225 | 0.051 |
| 36.503 | -0.104 | 36.519 | -0.069 | 36.533 | -0.061 | 36.549 | -0.067 | 41.253 | 0.031 | 41.278 | 0.053 | 41.298 | C.089 | 41.321 | 0.118 |
| 36.572 | -0.094 | 36.585 | -0.072 | 36.599 | -0.009 | 36.611 | 0.061 | 41.349 | C.077 | 41.376 | C.037 | 41.397 | C.017 | 41.424 | C.025 |
| 36.622 | C.125 | 36.636 | 0.146 | 36.648 | 0.126 | 36.661 | 0.071 | 41.454 | C.040 | 41.478 | C.055 | 41.504 | C.083 | 41.531 | 0.099 |
| 36.671 | 0.023 | 36.688 | -0.011 | 36.705 | 0.025 | 36.725 | C.040 | 41.549 | C.086 | 41.571 | C.038 | 41.590 | C.032 | 41.623 | C.047 |
| 36.743 | C.020 | 36.760 | -0.014 | 36.776 | -0.027 | 36.794 | -0.025 | 41.650 | C.063 | 41.667 | C.077 | 41.695 | C.037 | 41.720 | 0.025 |
| 36.813 | C.018 | 36.831 | 0.068 | 36.852 | 0.104 | 36.863 | 0.098 | 41.746 | C.068 | 41.776 | C.111 | 41.798 | C.113 | 41.831 | C.101 |
| 36.875 | 0.057 | 36.891 | -0.011 | 36.911 | -0.051 | 36.928 | -0.043 | 41.870 | 0.076 | 41.901 | 0.071 | 41.929 | C.058 | 41.953 | 0.053 |
| 36.951 | -0.014 | 36.977 | 0.016 | 36.992 | 0.017 | 37.010 | 0.033 | 41.979 | C.055 | 42.012 | C.071 | 42.040 | 0.079 | 42.065 | 0.081 |
| 37.033 | 0.035 | 37.048 | 0.001 | 37.058 | -0.012 | 37.074 | C.004 | 42.098 | 0.083 | 42.128 | 0.099 | 42.157 | C.128 | 42.175 | C.130 |
| 37.092 | -0.005 | 37.109 | -0.007 | 37.127 | -0.006 | 37.146 | -0.059 | 42.218 | C.084 | 42.254 | C.065 | 42.281 | C.039 | 42.309 | C.027 |
| 37.164 | -0.134 | 37.181 | -0.140 | 37.204 | -0.089 | 37.226 | -0.045 | 42.348 | C.050 | 42.375 | C.086 | 42.404 | C.123 | 42.429 | 0.090 |
| 37.245 | -0.002 | 37.264 | 0.041 | 37.280 | 0.015 | 37.294 | -0.032 | 42.460 | C.057 | 42.484 | C.038 | 42.508 | C.032 | 42.531 | C.061 |
| 37.305 | -0.052 | 37.328 | -0.002 | 37.351 | 0.035 | 37.367 | 0.064 | 42.556 | C.091 | 42.575 | C.071 | 42.604 | C.052 | 42.633 | C.026 |
| 37.367 | C.051 | 37.400 | 0.003 | 37.415 | -0.023 | 37.434 | -0.008 | 42.669 | C.007 | 42.703 | C.002 | 42.730 | -0.003 | 42.761 | -C.014 |
| 37.445 | 0.014 | 37.475 | 0.023 | 37.495 | -0.011 | 37.517 | -0.023 | 42.783 | C.029 | 42.810 | 0.011 | 42.830 | -0.002 | 42.854 | -C.014 |
| 37.532 | -0.015 | 37.555 | 0.035 | 37.575 | 0.064 | 37.592 | 0.044 | 42.874 | -C.004 | 42.901 | -0.079 | 42.926 | -0.042 | 42.949 | -0.005 |
| 37.608 | -0.004 | 37.627 | -0.010 | 37.640 | -0.010 | 37.656 | 0.026 | 42.973 | -0.003 | 42.998 | -0.008 | 43.019 | C.020 | 43.045 | -0.039 |
| 37.674 | 0.054 | 37.688 | 0.055 | 37.705 | 0.007 | 37.729 | -0.054 | 43.071 | -0.065 | 43.091 | -0.064 | 43.119 | -0.089 | 43.143 | -C.102 |
| 37.746 | -0.026 | 37.769 | -0.023 | 37.784 | -0.024 | 37.801 | 0.018 | 43.169 | -0.121 | 43.203 | -0.105 | 43.229 | -0.082 | 43.251 | -C.081 |
| 37.817 | 0.011 | 37.835 | -0.016 | 37.854 | -0.071 | 37.868 | -0.091 | 43.272 | -0.053 | 43.293 | -0.106 | 43.318 | -0.057 | 43.336 | -C.103 |
| 37.886 | -0.083 | 37.909 | -0.062 | 37.929 | -0.012 | 37.946 | -0.012 | 43.370 | -C.115 | 43.351 | -C.121 | 43.416 | -0.133 | 43.436 | -C.138 |
| 37.960 | -0.046 | 37.976 | -0.066 | 37.994 | -0.066 | 38.011 | -0.030 | 43.455 | -0.137 | 43.478 | -0.121 | 43.502 | -C.077 | 43.530 | -0.054 |
| 38.032 | -0.009 | 38.061 | 0.055 | 38.076 | 0.083 | 38.094 | C.084 | 43.555 | -0.052 | 43.576 | -0.051 | 43.612 | -0.034 | 43.637 | -C.032 |
| 38.119 | 0.084 | 38.136 | 0.085 | 38.156 | 0.044 | 38.182 | 0.003 | 43.658 | -C.025 | 43.654 | -0.007 | 43.726 | C.002 | 43.757 | -C.053 |
| 38.205 | -0.010 | 38.224 | -0.030 | 38.255 | -0.009 | 38.285 | -0.036 | 43.782 | -C.000 | 43.806 | 0.022 | 43.831 | C.038 | 43.857 | C.016 |
| 38.305 | 0.007 | 38.325 | 0.002 | 38.345 | 0.022 | 38.365 | -0.054 | 43.882 | C.041 | 43.914 | 0.022 | 43.942 | 0.038 | 43.968 | 0.067 |

| | | | | | | | |
|--------|-------|--------|-------|--------|-------|--------|-------|
| 43.993 | 0.096 | 44.015 | 0.111 | 44.044 | 0.120 | 44.071 | 0.087 |
| 44.097 | 0.067 | 44.120 | 0.068 | 44.141 | 0.097 | 44.165 | 0.106 |
| 44.197 | 0.094 | 44.225 | 0.088 | 44.256 | 0.069 | 44.284 | 0.084 |
| 44.313 | 0.099 | 44.334 | 0.100 | 44.361 | 0.101 | 44.392 | 0.103 |
| 44.414 | 0.105 | 44.455 | 0.114 | 44.475 | 0.109 | 44.496 | 0.103 |
| 44.532 | 0.098 | 44.551 | 0.093 | 44.575 | 0.066 | 44.599 | 0.047 |
| 44.628 | 0.056 | 44.655 | 0.065 | 44.681 | 0.067 | 44.710 | 0.054 |
| 44.739 | 0.035 | 44.762 | 0.029 | 44.796 | 0.045 | 44.827 | 0.061 |
| 44.861 | 0.076 | 44.899 | 0.077 | | | | |

2230 PCINTS 44.539 SECCNDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.2173 G/10.

[illegible]

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 4.501 | -0.308 | 4.516 | -0.201 | 4.529 | -0.144 | 4.543 | -0.173 | 6.766 | C.368 | 6.778 | 0.117 | 6.786 | -C.005 | 6.794 | -C.148 |
| 4.554 | -0.188 | 4.567 | -0.153 | 4.583 | -0.125 | 4.597 | -0.125 | 6.797 | -0.227 | 6.807 | -0.230 | 6.818 | -C.298 | 6.833 | -C.233 |
| 4.609 | -0.090 | 4.622 | -0.054 | 4.632 | -0.048 | 4.645 | -0.091 | 6.841 | C.155 | 6.850 | -C.040 | 6.858 | C.104 | 6.867 | C.219 |
| 4.665 | -0.171 | 4.673 | -0.153 | 4.693 | -0.172 | 4.707 | -0.165 | 6.876 | C.434 | 6.883 | C.563 | 6.892 | C.714 | 6.902 | C.793 |
| 4.722 | -0.137 | 4.727 | -0.123 | 4.755 | -0.118 | 4.765 | -0.111 | 6.910 | 0.808 | 6.921 | C.764 | 6.926 | C.650 | 6.934 | C.484 |
| 4.776 | -0.069 | 4.791 | 0.016 | 4.799 | 0.066 | 4.823 | 0.093 | 6.942 | C.269 | 6.950 | C.111 | 6.958 | C.068 | 6.969 | C.082 |
| 4.842 | C.121 | 4.854 | 0.170 | 4.870 | 0.205 | 4.883 | C.161 | 6.976 | 0.111 | 6.986 | C.025 | 6.994 | C.104 | 7.003 | -C.233 |
| 4.907 | -0.006 | 4.920 | -0.164 | 4.934 | -0.323 | 4.944 | -0.403 | 7.010 | -0.219 | 7.017 | -0.258 | 7.027 | -0.219 | 7.037 | -C.068 |
| 4.953 | -0.439 | 4.966 | -0.390 | 4.974 | -0.304 | 4.988 | -0.139 | 7.049 | 0.155 | 7.056 | C.370 | 7.061 | C.053 | 7.070 | C.392 |
| 5.002 | -0.004 | 5.014 | 0.089 | 5.029 | 0.153 | 5.045 | 0.217 | 7.078 | 0.313 | 7.088 | C.076 | 7.092 | C.053 | 7.096 | -0.154 |
| 5.055 | C.245 | 5.074 | 0.193 | 5.091 | 0.164 | 5.113 | 0.192 | 7.101 | -0.261 | 7.107 | -C.304 | 7.113 | -0.333 | 7.120 | -C.268 |
| 5.122 | -0.083 | 5.140 | -0.040 | 5.161 | -0.212 | 5.176 | -0.320 | 7.129 | -0.168 | 7.138 | -0.074 | 7.146 | -0.038 | 7.156 | -C.089 |
| 5.185 | -0.507 | 5.193 | -0.586 | 5.201 | -0.665 | 5.213 | -0.709 | 7.164 | -0.211 | 7.171 | -C.333 | 7.179 | -C.455 | 7.183 | -C.458 |
| 5.224 | -0.709 | 5.236 | -0.659 | 5.243 | -0.558 | 5.251 | -0.480 | 7.191 | -C.535 | 7.201 | -0.483 | 7.212 | -0.289 | 7.222 | -C.045 |
| 5.256 | -C.358 | 5.265 | -0.272 | 5.269 | -0.185 | 5.272 | -0.121 | 7.236 | C.235 | 7.243 | C.343 | 7.251 | C.422 | 7.259 | C.479 |
| 5.279 | -0.078 | 5.287 | -0.057 | 5.299 | -0.107 | 5.309 | -0.287 | 7.272 | 0.436 | 7.280 | 0.249 | 7.291 | -C.038 | 7.304 | -C.354 |
| 5.315 | -0.359 | 5.326 | -0.423 | 5.337 | -0.359 | 5.345 | -0.287 | 7.311 | -C.519 | 7.317 | -0.619 | 7.322 | -C.713 | 7.329 | -C.813 |
| 5.351 | -C.230 | 5.360 | -0.208 | 5.370 | -0.251 | 5.378 | -0.323 | 7.341 | -C.942 | 7.347 | -1.017 | 7.360 | -1.050 | 7.383 | -C.971 |
| 5.386 | -0.402 | 5.399 | -0.438 | 5.407 | -0.366 | 5.415 | -0.251 | 7.354 | -0.818 | 7.403 | -0.765 | 7.410 | -C.670 | 7.425 | -C.541 |
| 5.428 | 0.051 | 5.438 | 0.180 | 5.443 | 0.259 | 5.448 | 0.302 | 7.433 | -C.451 | 7.444 | -C.434 | 7.457 | -C.421 | 7.469 | -C.378 |
| 5.456 | C.345 | 5.463 | 0.310 | 5.473 | 0.231 | 5.485 | 0.159 | 7.483 | -C.235 | 7.495 | -C.006 | 7.506 | C.116 | 7.513 | C.159 |
| 5.489 | 0.152 | 5.500 | 0.181 | 5.510 | 0.245 | 5.518 | 0.303 | 7.526 | 0.115 | 7.543 | 0.029 | 7.543 | 0.029 | 7.550 | C.007 |
| 5.525 | C.335 | 5.544 | 0.382 | 5.551 | 0.425 | 5.558 | C.533 | 7.561 | C.054 | 7.574 | C.057 | 7.586 | C.451 | 7.596 | C.637 |
| 5.565 | 0.590 | 5.574 | 0.756 | 5.582 | 0.878 | 5.592 | 0.907 | 7.603 | 0.737 | 7.611 | 0.830 | 7.615 | C.866 | 7.630 | C.815 |
| 5.602 | 0.842 | 5.613 | 0.649 | 5.621 | 0.462 | 5.634 | 0.190 | 7.639 | C.657 | 7.651 | C.612 | 7.666 | C.232 | 7.674 | C.181 |
| 5.639 | 0.075 | 5.649 | 0.003 | 5.662 | 0.068 | 5.670 | 0.219 | 7.689 | 0.224 | 7.704 | C.237 | 7.711 | C.129 | 7.721 | -C.094 |
| 5.680 | C.349 | 5.691 | 0.421 | 5.703 | 0.378 | 5.711 | C.299 | 7.732 | -0.338 | 7.740 | -C.583 | 7.749 | -C.691 | 7.757 | -C.706 |
| 5.721 | 0.199 | 5.729 | 0.149 | 5.739 | 0.106 | 5.752 | 0.049 | 7.766 | -C.634 | 7.775 | -C.491 | 7.786 | -C.119 | 7.806 | C.118 |
| 5.766 | -0.138 | 5.774 | -0.288 | 5.782 | -0.539 | 5.790 | -0.704 | 7.814 | C.290 | 7.822 | C.448 | 7.828 | C.556 | 7.837 | C.559 |
| 5.797 | -0.862 | 5.805 | -1.013 | 5.813 | -1.135 | 5.826 | -1.185 | 7.846 | C.620 | 7.862 | C.570 | 7.862 | C.441 | 7.870 | C.247 |
| 5.842 | -1.134 | 5.848 | -1.048 | 5.857 | -0.832 | 5.866 | -0.559 | 7.879 | C.017 | 7.885 | -C.241 | 7.896 | -C.399 | 7.902 | -C.471 |
| 5.873 | -0.351 | 5.883 | -0.150 | 5.890 | 0.013 | 5.896 | 0.231 | 7.914 | -0.536 | 7.929 | C.450 | 7.937 | -0.263 | 7.952 | -C.005 |
| 5.904 | 0.375 | 5.909 | 0.454 | 5.921 | 0.540 | 5.936 | 0.457 | 7.960 | 0.124 | 7.970 | C.185 | 7.986 | C.239 | 8.005 | C.261 |
| 5.948 | C.440 | 5.961 | 0.476 | 5.972 | 0.620 | 5.981 | 0.756 | 8.019 | 0.254 | 8.026 | 0.283 | 8.037 | C.340 | 8.050 | C.434 |
| 5.988 | 0.657 | 5.996 | 0.936 | 6.003 | 0.565 | 6.014 | 0.915 | 8.058 | 0.506 | 8.065 | 0.542 | 8.080 | C.427 | 8.091 | C.112 |
| 6.022 | 0.843 | 6.032 | 0.807 | 6.045 | 0.743 | 6.054 | 0.606 | 8.097 | -0.053 | 8.107 | -C.204 | 8.116 | -0.225 | 8.128 | -0.146 |
| 6.061 | 0.326 | 6.069 | -0.025 | 6.075 | -0.442 | 6.081 | -0.765 | 8.144 | C.142 | 8.153 | C.264 | 8.161 | C.350 | 8.167 | C.379 |
| 6.091 | -1.102 | 6.101 | -1.454 | 6.108 | -1.562 | 6.114 | -1.670 | 8.178 | 0.308 | 8.187 | 0.053 | 8.200 | -0.187 | 8.208 | -0.223 |
| 6.128 | -1.706 | 6.141 | -1.670 | 6.147 | -1.555 | 6.159 | -1.366 | 8.218 | -0.122 | 8.225 | C.000 | 8.231 | C.101 | 8.239 | 0.144 |
| 6.165 | -1.218 | 6.173 | -1.125 | 6.178 | -1.039 | 6.191 | -0.981 | 8.251 | -0.080 | 8.266 | -0.106 | 8.275 | -0.235 | 8.285 | -C.378 |
| 6.205 | -0.852 | 6.217 | -0.737 | 6.224 | -0.644 | 6.231 | -0.508 | 8.292 | -C.457 | 8.301 | -0.478 | 8.313 | -C.420 | 8.318 | -C.248 |
| 6.239 | -0.307 | 6.244 | -0.106 | 6.249 | 0.059 | 6.256 | 0.375 | 8.330 | -0.032 | 8.340 | C.069 | 8.348 | C.091 | 8.362 | 0.027 |
| 6.261 | C.519 | 6.269 | 0.698 | 6.274 | 0.878 | 6.285 | 0.578 | 8.379 | -C.030 | 8.385 | -0.080 | 8.396 | -C.173 | 8.408 | -0.302 |
| 6.284 | 0.921 | 6.305 | 0.691 | 6.313 | 0.433 | 6.320 | 0.217 | 8.420 | -C.351 | 8.426 | -C.351 | 8.437 | -C.271 | 8.444 | -0.156 |
| 6.327 | C.069 | 6.332 | -0.099 | 6.338 | -0.185 | 6.352 | -0.293 | 8.456 | C.031 | 8.464 | 0.233 | 8.474 | C.276 | 8.482 | C.158 |
| 6.359 | -0.386 | 6.371 | -0.465 | 6.379 | -0.508 | 6.392 | -0.436 | 8.490 | 0.084 | 8.499 | -0.081 | 8.507 | -0.124 | 8.514 | -0.174 |
| 6.405 | -0.221 | 6.416 | 0.031 | 6.429 | 0.296 | 6.441 | 0.447 | 8.530 | -C.173 | 8.544 | -C.172 | 8.554 | -C.193 | 8.566 | -0.285 |
| 6.442 | 0.540 | 6.463 | 0.641 | 6.470 | 0.706 | 6.480 | 0.757 | 8.574 | 0.364 | 8.583 | 0.377 | 8.597 | -0.319 | 8.603 | -C.268 |
| 6.486 | 0.771 | 6.497 | 0.721 | 6.507 | 0.628 | 6.516 | 0.528 | 8.611 | -0.174 | 8.620 | -0.022 | 8.626 | 0.057 | 8.634 | 0.072 |
| 6.523 | C.352 | 6.529 | 0.248 | 6.540 | 0.040 | 6.548 | -0.117 | 8.644 | C.016 | 8.655 | -C.069 | 8.665 | -C.104 | 8.675 | -0.111 |
| 6.552 | -0.211 | 6.564 | -0.261 | 6.579 | -0.183 | 6.590 | -0.131 | 8.687 | -0.081 | 8.696 | -0.051 | 8.710 | C.101 | 8.715 | C.317 |
| 6.577 | -0.109 | 6.604 | -0.094 | 6.618 | -0.144 | 6.628 | -0.230 | 8.734 | C.419 | 8.743 | 0.369 | 8.751 | C.241 | 8.762 | C.005 |
| 6.636 | -C.309 | 6.644 | -0.431 | 6.651 | -0.481 | 6.659 | -0.488 | 8.772 | -C.238 | 8.779 | -0.345 | 8.790 | -C.466 | 8.797 | -C.566 |
| 6.667 | -0.423 | 6.675 | -0.287 | 6.679 | -0.136 | 6.688 | 0.101 | 8.808 | -0.665 | 8.831 | -0.728 | 8.831 | -0.770 | 8.840 | -C.765 |
| 6.684 | 0.245 | 6.699 | 0.295 | 6.705 | 0.374 | 6.715 | 0.425 | 8.853 | -C.725 | 8.866 | -0.587 | 8.876 | -0.385 | 8.883 | -C.241 |
| 6.725 | | 6.731 | 0.518 | 6.742 | 0.562 | 6.751 | 0.619 | 8.893 | -0.104 | 8.897 | -0.024 | 8.905 | 0.027 | 8.913 | -C.044 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8.924 | -0.201 | 8.936 | -0.444 | 8.947 | -0.572 | 8.956 | -0.593 | 11.175 | 0.802 | 11.190 | 0.687 | 11.207 | 0.473 | 11.220 | 0.272 |
| 8.963 | -0.564 | 8.975 | -0.362 | 8.982 | -0.203 | 8.988 | -0.081 | 11.228 | 0.236 | 11.240 | 0.187 | 11.245 | 0.180 | 11.251 | 0.216 |
| 8.956 | 0.066 | 9.007 | -0.808 | 9.018 | -0.237 | 9.037 | -0.623 | 11.260 | 0.266 | 11.270 | 0.374 | 11.272 | 0.403 | 11.280 | 0.439 |
| 9.044 | -0.759 | 9.056 | -0.509 | 9.064 | -0.802 | 9.072 | -0.737 | 11.289 | 0.454 | 11.296 | 0.432 | 11.302 | 0.397 | 11.310 | 0.404 |
| 9.088 | -0.377 | 9.101 | -0.111 | 9.111 | 0.105 | 9.119 | 0.170 | 11.327 | 0.382 | 11.336 | 0.361 | 11.344 | 0.328 | 11.352 | 0.253 |
| 9.133 | 0.228 | 9.144 | 0.257 | 9.154 | 0.251 | 9.166 | 0.158 | 11.366 | 0.059 | 11.372 | 0.002 | 11.381 | -0.027 | 11.391 | -0.041 |
| 9.176 | -0.021 | 9.185 | -0.164 | 9.189 | -0.307 | 9.199 | -0.353 | 11.402 | -0.049 | 11.416 | -0.027 | 11.425 | -0.034 | 11.434 | -0.063 |
| 9.207 | -0.414 | 9.223 | -0.370 | 9.233 | -0.311 | 9.247 | -0.231 | 11.441 | 0.128 | 11.452 | -0.235 | 11.458 | -0.278 | 11.465 | -0.314 |
| 9.256 | -0.166 | 9.265 | -0.122 | 9.271 | -0.093 | 9.282 | -0.150 | 11.471 | -0.321 | 11.480 | -0.253 | 11.487 | -0.207 | 11.507 | 0.303 |
| 9.294 | -0.285 | 9.308 | -0.371 | 9.316 | -0.313 | 9.323 | -0.219 | 11.518 | 0.619 | 11.524 | 0.648 | 11.534 | 0.698 | 11.539 | 0.727 |
| 9.327 | -0.176 | 9.331 | -0.076 | 9.351 | -0.204 | 9.356 | 0.312 | 11.547 | 0.712 | 11.555 | 0.655 | 11.566 | 0.468 | 11.573 | 0.426 |
| 9.358 | 0.341 | 9.368 | 0.391 | 9.381 | 0.383 | 9.389 | 0.376 | 11.579 | 0.419 | 11.588 | 0.357 | 11.598 | 0.398 | 11.605 | 0.376 |
| 9.357 | 0.326 | 9.402 | 0.254 | 9.409 | 0.168 | 9.424 | -0.141 | 11.613 | 0.319 | 11.635 | 0.040 | 11.645 | -0.089 | 11.651 | -0.139 |
| 9.428 | -0.242 | 9.435 | -0.306 | 9.439 | -0.335 | 9.446 | -0.321 | 11.659 | -0.175 | 11.672 | -0.225 | 11.682 | -0.275 | 11.695 | -0.339 |
| 9.454 | -0.077 | 9.473 | -0.077 | 9.501 | 0.260 | 9.512 | 0.454 | 11.700 | -0.390 | 11.712 | -0.565 | 11.717 | -0.598 | 11.727 | -0.619 |
| 9.521 | 0.577 | 9.530 | 0.627 | 9.537 | 0.656 | 9.546 | 0.677 | 11.737 | -0.641 | 11.745 | -0.605 | 11.752 | -0.555 | 11.764 | -0.470 |
| 9.555 | 0.678 | 9.568 | 0.613 | 9.584 | 0.542 | 9.592 | 0.463 | 11.780 | -0.311 | 11.793 | -0.041 | 11.802 | -0.038 | 11.806 | -0.027 |
| 9.602 | 0.377 | 9.615 | 0.248 | 9.626 | -0.082 | 9.637 | -0.262 | 11.812 | 0.056 | 11.822 | 0.041 | 11.828 | -0.024 | 11.848 | -0.225 |
| 9.645 | -0.376 | 9.648 | -0.448 | 9.658 | -0.477 | 9.664 | -0.484 | 11.851 | -0.276 | 11.857 | -0.219 | 11.865 | -0.319 | 11.869 | -0.276 |
| 9.673 | -0.526 | 9.680 | -0.612 | 9.686 | -0.669 | 9.693 | -0.691 | 11.858 | 0.140 | 11.902 | 0.219 | 11.911 | 0.290 | 11.918 | 0.347 |
| 9.701 | -0.655 | 9.713 | -0.561 | 9.742 | 0.352 | 9.747 | 0.438 | 11.925 | 0.397 | 11.933 | 0.419 | 11.948 | 0.469 | 11.957 | 0.497 |
| 9.758 | 0.489 | 9.775 | 0.496 | 9.775 | 0.403 | 9.784 | 0.253 | 11.971 | 0.526 | 11.978 | 0.540 | 11.989 | 0.555 | 12.000 | 0.653 |
| 9.804 | -0.156 | 9.811 | -0.278 | 9.821 | -0.313 | 9.827 | -0.306 | 12.010 | 0.699 | 12.022 | 0.749 | 12.032 | 0.771 | 12.045 | 0.728 |
| 9.839 | -0.233 | 9.862 | 0.184 | 9.872 | 0.378 | 9.882 | 0.472 | 12.052 | 0.649 | 12.059 | 0.563 | 12.077 | 0.147 | 12.087 | -0.018 |
| 9.888 | 0.507 | 9.898 | 0.543 | 9.911 | 0.507 | 9.921 | 0.349 | 12.053 | -0.054 | 12.100 | -0.076 | 12.106 | -0.061 | 12.114 | -0.003 |
| 10.022 | -0.706 | 10.027 | -0.742 | 10.036 | -0.756 | 10.043 | -0.720 | 12.129 | 0.386 | 12.147 | 0.454 | 12.151 | 0.530 | 12.161 | 0.552 |
| 10.054 | -0.656 | 10.063 | -0.666 | 10.071 | -0.570 | 10.083 | -0.577 | 12.171 | 0.524 | 12.178 | 0.452 | 12.154 | 0.105 | 12.205 | -0.128 |
| 10.098 | -0.649 | 10.113 | -0.641 | 10.124 | -0.505 | 10.138 | -0.146 | 12.213 | -0.192 | 12.221 | -0.242 | 12.237 | -0.255 | 12.245 | -0.233 |
| 10.142 | -0.031 | 10.152 | -0.002 | 10.159 | 0.033 | 10.172 | 0.069 | 12.254 | -0.183 | 12.285 | -0.010 | 12.306 | -0.177 | 12.314 | -0.221 |
| 10.182 | 0.033 | 10.192 | 0.055 | 10.200 | 0.026 | 10.216 | -0.031 | 12.369 | -0.151 | 12.374 | -0.187 | 12.386 | -0.216 | 12.394 | -0.215 |
| 10.223 | -0.031 | 10.233 | -0.031 | 10.241 | 0.012 | 10.247 | 0.055 | 12.406 | -0.237 | 12.420 | -0.243 | 12.427 | -0.272 | 12.439 | -0.286 |
| 10.256 | 0.084 | 10.266 | 0.091 | 10.273 | 0.055 | 10.284 | 0.012 | 12.449 | -0.207 | 12.461 | -0.099 | 12.476 | -0.225 | 12.452 | 0.598 |
| 10.255 | -0.031 | 10.308 | -0.167 | 10.316 | -0.246 | 10.324 | -0.275 | 12.500 | 0.670 | 12.506 | 0.728 | 12.515 | 0.757 | 12.525 | 0.772 |
| 10.360 | -0.160 | 10.365 | -0.139 | 10.373 | -0.174 | 10.385 | -0.239 | 12.534 | 0.664 | 12.554 | 0.450 | 12.574 | 0.156 | 12.591 | -0.064 |
| 10.394 | -0.268 | 10.400 | -0.239 | 10.408 | -0.131 | 10.426 | 0.199 | 12.559 | -0.102 | 12.610 | -0.144 | 12.628 | -0.158 | 12.642 | -0.150 |
| 10.432 | 0.350 | 10.438 | 0.353 | 10.447 | 0.443 | 10.457 | 0.472 | 12.554 | -0.102 | 12.669 | -0.156 | 12.679 | -0.163 | 12.689 | -0.199 |
| 10.462 | 0.429 | 10.472 | 0.278 | 10.480 | 0.206 | 10.488 | 0.134 | 12.554 | -0.102 | 12.669 | -0.156 | 12.679 | -0.163 | 12.689 | -0.199 |
| 10.453 | 0.059 | 10.501 | 0.099 | 10.511 | 0.055 | 10.522 | -0.016 | 12.554 | -0.102 | 12.669 | -0.156 | 12.679 | -0.163 | 12.689 | -0.199 |
| 10.535 | -0.102 | 10.541 | -0.153 | 10.550 | -0.181 | 10.554 | -0.160 | 12.702 | -0.256 | 12.711 | -0.285 | 12.720 | -0.252 | 12.730 | -0.259 |
| 10.564 | -0.110 | 10.572 | 0.041 | 10.585 | 0.228 | 10.595 | 0.364 | 12.741 | -0.191 | 12.755 | -0.141 | 12.762 | -0.098 | 12.773 | -0.083 |
| 10.604 | 0.457 | 10.612 | 0.515 | 10.620 | 0.558 | 10.632 | 0.601 | 12.778 | -0.126 | 12.752 | -0.219 | 12.809 | -0.248 | 12.814 | -0.230 |
| 10.640 | 0.601 | 10.650 | 0.557 | 10.659 | 0.485 | 10.671 | 0.306 | 12.830 | -0.305 | 12.845 | -0.305 | 12.861 | -0.298 | 12.874 | -0.290 |
| 10.678 | 0.169 | 10.688 | -0.017 | 10.691 | -0.053 | 10.696 | -0.082 | 12.887 | -0.340 | 12.898 | -0.355 | 12.912 | -0.369 | 12.920 | -0.326 |
| 10.704 | -0.061 | 10.712 | -0.003 | 10.725 | 0.169 | 10.731 | 0.291 | 12.929 | -0.282 | 12.959 | -0.192 | 12.965 | -0.300 | 12.974 | -0.337 |
| 10.741 | 0.327 | 10.749 | 0.384 | 10.757 | 0.406 | 10.766 | 0.469 | 12.980 | 0.401 | 13.046 | 0.306 | 13.001 | 0.380 | 13.014 | 0.256 |
| 10.784 | 0.384 | 10.799 | 0.363 | 10.813 | 0.241 | 10.823 | 0.166 | 13.036 | 0.157 | 13.046 | 0.286 | 13.056 | -0.386 | 13.065 | -0.436 |
| 10.834 | -0.032 | 10.858 | -0.383 | 10.868 | -0.563 | 10.874 | -0.670 | 13.068 | -0.529 | 13.106 | -0.614 | 13.114 | -0.642 | 13.127 | -0.634 |
| 10.881 | -0.706 | 10.889 | -0.728 | 10.897 | -0.720 | 10.905 | -0.649 | 13.144 | -0.605 | 13.163 | -0.582 | 13.177 | -0.589 | 13.184 | -0.560 |
| 10.913 | -0.627 | 10.920 | -0.591 | 10.927 | -0.555 | 10.938 | -0.555 | 13.193 | -0.523 | 13.217 | -0.444 | 13.222 | -0.378 | 13.240 | -0.320 |
| 10.953 | -0.562 | 10.965 | -0.547 | 10.978 | -0.525 | 10.990 | -0.482 | 13.257 | -0.254 | 13.276 | -0.217 | 13.297 | -0.202 | 13.320 | -0.164 |
| 10.997 | -0.374 | 11.005 | -0.302 | 11.025 | 0.101 | 11.040 | 0.374 | 13.340 | -0.106 | 13.353 | -0.069 | 13.363 | -0.047 | 13.381 | -0.024 |
| 11.047 | 0.439 | 11.058 | 0.547 | 11.070 | 0.691 | 11.082 | 0.770 | 13.401 | -0.002 | 13.413 | 0.013 | 13.425 | -0.016 | 13.434 | -0.037 |
| 11.090 | 0.835 | 11.103 | 0.929 | 11.113 | 0.987 | 11.124 | 1.016 | 13.448 | -0.022 | 13.455 | 0.021 | 13.465 | -0.028 | 13.471 | -0.013 |
| 11.133 | 1.059 | 11.140 | 1.074 | 11.148 | 1.052 | 11.156 | 0.974 | 13.479 | -0.016 | 13.495 | -0.146 | 13.506 | -0.168 | 13.518 | -0.176 |
| | | | | | | | | 13.529 | -0.163 | 13.535 | -0.142 | 13.547 | -0.164 | 13.555 | -0.215 |
| | | | | | | | | 13.576 | -0.425 | 13.582 | -0.461 | 13.588 | -0.476 | 13.594 | -0.455 |
| | | | | | | | | 13.600 | -0.377 | 13.619 | -0.127 | 13.627 | -0.071 | 13.633 | -0.042 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 13.636 | -0.021 | 13.643 | 0.007 | 13.649 | -0.008 | 13.656 | -0.066 | 16.530 | -0.040 | 16.542 | -0.041 | 16.556 | -0.064 | 16.566 | -0.129 |
| 13.675 | -0.197 | 13.683 | -0.233 | 13.689 | -0.262 | 13.701 | -0.277 | 16.577 | -0.159 | 16.595 | -0.167 | 16.607 | -0.204 | 16.620 | -0.247 |
| 13.720 | -0.241 | 13.734 | -0.213 | 13.741 | -0.191 | 13.751 | -0.148 | 16.630 | -0.258 | 16.644 | -0.320 | 16.655 | -0.356 | 16.671 | -0.350 |
| 13.762 | -0.069 | 13.771 | -0.027 | 13.778 | 0.009 | 13.784 | 0.002 | 16.681 | -0.300 | 16.696 | -0.257 | 16.730 | -0.047 | 16.743 | 0.061 |
| 13.792 | -0.056 | 13.810 | -0.149 | 13.818 | -0.200 | 13.826 | -0.221 | 16.751 | 0.104 | 16.761 | 0.141 | 16.772 | 0.107 | 16.788 | 0.056 |
| 13.834 | -0.235 | 13.841 | -0.206 | 13.853 | -0.163 | 13.880 | 0.024 | 16.798 | 0.020 | 16.807 | 0.020 | 16.818 | 0.057 | 16.827 | 0.115 |
| 13.886 | 0.060 | 13.896 | 0.097 | 13.906 | -0.111 | 13.913 | 0.083 | 16.840 | 0.201 | 16.852 | 0.274 | 16.864 | 0.317 | 16.875 | 0.339 |
| 13.924 | -0.033 | 13.940 | -0.068 | 13.953 | -0.254 | 13.974 | 0.325 | 16.887 | 0.368 | 16.898 | 0.361 | 16.906 | 0.326 | 16.918 | 0.262 |
| 13.986 | -0.368 | 13.992 | -0.390 | 14.002 | -0.389 | 14.013 | -0.368 | 16.944 | 0.126 | 16.953 | 0.055 | 16.974 | 0.020 | 16.987 | -0.023 |
| 14.038 | -0.224 | 14.048 | -0.152 | 14.055 | -0.116 | 14.067 | -0.094 | 17.000 | -0.008 | 17.012 | 0.035 | 17.028 | 0.071 | 17.041 | 0.071 |
| 14.075 | -0.101 | 14.092 | -0.130 | 14.104 | -0.144 | 14.124 | 0.165 | 17.053 | 0.043 | 17.060 | 0.007 | 17.078 | -0.079 | 17.087 | -0.115 |
| 14.114 | -0.419 | 14.145 | -0.257 | 14.161 | -0.356 | 14.168 | -0.405 | 17.094 | -0.137 | 17.102 | -0.115 | 17.113 | -0.065 | 17.127 | 0.028 |
| 14.235 | -0.029 | 14.245 | -0.005 | 14.258 | -0.016 | 14.269 | -0.057 | 17.135 | 0.078 | 17.152 | 0.121 | 17.168 | 0.142 | 17.183 | 0.135 |
| 14.278 | -0.091 | 14.288 | 0.076 | 14.301 | -0.045 | 14.313 | 0.100 | 17.204 | 0.120 | 17.214 | 0.106 | 17.228 | 0.062 | 17.245 | 0.019 |
| 14.323 | 0.093 | 14.334 | 0.129 | 14.343 | 0.136 | 14.351 | 0.143 | 17.255 | 0.019 | 17.270 | 0.033 | 17.288 | 0.061 | 17.303 | 0.068 |
| 14.381 | -0.079 | 14.391 | -0.144 | 14.403 | -0.187 | 14.412 | -0.200 | 17.317 | 0.047 | 17.323 | 0.018 | 17.353 | -0.089 | 17.365 | -0.132 |
| 14.422 | -0.178 | 14.441 | -0.134 | 14.451 | -0.076 | 14.459 | -0.047 | 17.376 | -0.154 | 17.385 | -0.139 | 17.395 | -0.110 | 17.423 | 0.084 |
| 14.470 | -0.003 | 14.481 | -0.017 | 14.497 | -0.030 | 14.507 | -0.014 | 17.431 | 0.170 | 17.440 | 0.199 | 17.448 | 0.228 | 17.463 | 0.192 |
| 14.520 | 0.037 | 14.533 | 0.139 | 14.542 | 0.183 | 14.550 | 0.213 | 17.481 | 0.120 | 17.490 | 0.106 | 17.500 | 0.084 | 17.524 | 0.091 |
| 14.560 | 0.214 | 14.568 | 0.143 | 14.584 | -0.007 | 14.593 | -0.100 | 17.557 | 0.084 | 17.567 | 0.105 | 17.576 | 0.141 | 17.587 | 0.227 |
| 14.602 | -0.136 | 14.611 | -0.186 | 14.627 | -0.186 | 14.650 | -0.185 | 17.602 | 0.363 | 17.653 | 0.346 | 17.680 | 0.289 | 17.697 | 0.282 |
| 14.663 | -0.163 | 14.676 | -0.142 | 14.689 | -0.143 | 14.702 | -0.186 | 17.641 | 0.256 | 17.719 | 0.256 | 17.731 | 0.289 | 17.740 | 0.281 |
| 14.711 | -0.266 | 14.727 | -0.338 | 14.739 | -0.374 | 14.754 | -0.382 | 17.708 | 0.238 | 17.774 | 0.038 | 17.783 | -0.012 | 17.790 | -0.041 |
| 14.765 | -0.375 | 14.774 | -0.333 | 14.783 | -0.262 | 14.816 | -0.167 | 17.804 | -0.048 | 17.830 | -0.033 | 17.837 | -0.047 | 17.850 | -0.061 |
| 14.826 | 0.267 | 14.830 | 0.310 | 14.840 | 0.374 | 14.851 | 0.409 | 17.864 | -0.103 | 17.875 | -0.139 | 17.888 | -0.153 | 17.892 | -0.131 |
| 14.880 | 0.415 | 14.894 | 0.407 | 14.903 | 0.378 | 14.911 | 0.335 | 17.956 | -0.052 | 17.915 | -0.005 | 17.929 | 0.063 | 17.941 | 0.099 |
| 14.927 | 0.220 | 14.936 | 0.191 | 14.947 | 0.183 | 14.967 | 0.204 | 17.953 | 0.134 | 17.973 | 0.149 | 17.988 | 0.177 | 18.001 | 0.149 |
| 15.035 | 0.379 | 15.044 | 0.329 | 15.059 | 0.243 | 15.064 | 0.208 | 18.015 | 0.120 | 18.031 | 0.113 | 18.052 | 0.113 | 18.069 | 0.117 |
| 15.075 | 0.194 | 15.084 | 0.209 | 15.096 | 0.252 | 15.107 | 0.239 | 18.083 | -0.007 | 18.109 | -0.103 | 18.110 | 0.156 | 18.118 | 0.127 |
| 15.117 | 0.189 | 15.148 | 0.011 | 15.164 | -0.038 | 15.173 | -0.066 | 18.144 | -0.007 | 18.168 | -0.105 | 18.182 | -0.139 | 18.192 | -0.160 |
| 15.182 | -0.102 | 15.193 | -0.116 | 15.202 | -0.095 | 15.211 | -0.067 | 18.204 | -0.176 | 18.221 | -0.171 | 18.233 | -0.156 | 18.244 | -0.169 |
| 15.221 | -0.001 | 15.231 | 0.050 | 15.242 | 0.093 | 15.259 | 0.101 | 18.250 | -0.173 | 18.258 | -0.218 | 18.283 | -0.359 | 18.293 | -0.401 |
| 15.275 | 0.108 | 15.296 | 0.087 | 15.306 | 0.102 | 15.318 | 0.131 | 18.301 | -0.436 | 18.313 | -0.442 | 18.325 | -0.391 | 18.336 | -0.339 |
| 15.334 | 0.146 | 15.347 | 0.161 | 15.362 | 0.197 | 15.379 | 0.247 | 18.357 | -0.247 | 18.375 | -0.161 | 18.388 | -0.119 | 18.400 | -0.083 |
| 15.393 | 0.276 | 15.409 | 0.290 | 15.428 | 0.289 | 15.452 | 0.317 | 18.414 | -0.055 | 18.424 | -0.027 | 18.435 | -0.006 | 18.447 | -0.013 |
| 15.471 | 0.331 | 15.488 | 0.366 | 15.506 | 0.387 | 15.522 | 0.401 | 18.455 | -0.043 | 18.466 | -0.093 | 18.479 | -0.173 | 18.490 | -0.224 |
| 15.531 | 0.393 | 15.543 | 0.357 | 15.553 | 0.292 | 15.569 | 0.155 | 18.500 | -0.268 | 18.505 | -0.275 | 18.529 | -0.291 | 18.542 | -0.276 |
| 15.583 | 0.024 | 15.597 | -0.048 | 15.611 | -0.092 | 15.626 | -0.114 | 18.554 | -0.247 | 18.583 | -0.152 | 18.604 | -0.065 | 18.617 | -0.036 |
| 15.646 | -0.044 | 15.660 | -0.124 | 15.676 | -0.103 | 15.684 | -0.082 | 18.627 | -0.013 | 18.636 | -0.001 | 18.646 | -0.005 | 18.654 | -0.033 |
| 15.694 | -0.011 | 15.718 | 0.189 | 15.731 | 0.368 | 15.736 | 0.397 | 18.691 | -0.186 | 18.706 | -0.228 | 18.717 | -0.248 | 18.727 | -0.239 |
| 15.746 | 0.433 | 15.756 | 0.454 | 15.763 | 0.426 | 15.773 | 0.361 | 18.739 | -0.202 | 18.760 | -0.078 | 18.773 | -0.006 | 18.784 | -0.038 |
| 15.791 | 0.254 | 15.802 | 0.196 | 15.812 | 0.153 | 15.826 | 0.125 | 18.784 | 0.053 | 18.809 | 0.050 | 18.823 | 0.083 | 18.837 | 0.048 |
| 15.849 | 0.082 | 15.872 | 0.047 | 15.889 | 0.032 | 15.903 | 0.011 | 18.853 | 0.012 | 18.864 | -0.017 | 18.876 | -0.024 | 18.889 | 0.018 |
| 15.914 | -0.032 | 15.929 | -0.117 | 15.943 | -0.195 | 15.951 | -0.216 | 18.895 | 0.061 | 18.913 | 0.082 | 18.924 | 0.096 | 18.937 | 0.067 |
| 15.962 | -0.243 | 15.974 | -0.266 | 15.985 | -0.177 | 15.998 | -0.140 | 18.955 | 0.037 | 18.967 | 0.009 | 18.982 | 0.038 | 18.992 | 0.088 |
| 16.013 | -0.102 | 16.033 | -0.072 | 16.048 | -0.052 | 16.059 | -0.110 | 19.021 | 0.096 | 19.040 | 0.146 | 19.054 | 0.161 | 19.064 | 0.168 |
| 16.069 | 0.132 | 16.079 | 0.162 | 16.088 | 0.156 | 16.100 | 0.121 | 19.077 | 0.139 | 19.088 | 0.067 | 19.109 | -0.113 | 19.121 | -0.159 |
| 16.110 | 0.107 | 16.122 | 0.115 | 16.131 | 0.137 | 16.167 | 0.197 | 19.132 | -0.278 | 19.142 | -0.300 | 19.154 | -0.307 | 19.169 | -0.322 |
| 16.186 | 0.212 | 16.200 | 0.221 | 16.207 | 0.214 | 16.222 | 0.186 | 19.175 | -0.336 | 19.183 | -0.345 | 19.195 | -0.402 | 19.206 | -0.402 |
| 16.241 | 0.143 | 16.257 | 0.129 | 16.272 | 0.094 | 16.285 | 0.087 | 19.214 | -0.381 | 19.226 | -0.215 | 19.239 | -0.189 | 19.244 | -0.140 |
| 16.297 | 0.102 | 16.310 | 0.146 | 16.322 | 0.154 | 16.336 | 0.162 | 19.251 | -0.111 | 19.258 | -0.065 | 19.271 | -0.041 | 19.289 | -0.042 |
| 16.348 | 0.220 | 16.365 | 0.285 | 16.376 | 0.293 | 16.385 | 0.322 | 19.317 | -0.029 | 19.328 | -0.051 | 19.337 | -0.095 | 19.378 | -0.275 |
| 16.399 | 0.305 | 16.411 | 0.273 | 16.440 | 0.122 | 16.476 | -0.007 | 19.351 | -0.319 | 19.357 | -0.333 | 19.407 | -0.341 | 19.418 | -0.334 |
| 16.489 | -0.079 | 16.498 | -0.109 | 16.506 | -0.117 | 16.518 | -0.082 | 19.447 | -0.190 | 19.455 | -0.162 | 19.465 | -0.126 | 19.473 | -0.104 |
| | | | | | | | | 19.484 | -0.090 | 19.495 | -0.119 | 19.510 | -0.147 | 19.518 | -0.183 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 19.532 | -0.183 | 19.543 | -0.169 | 19.555 | -0.133 | 19.572 | -0.132 | 22.790 | -0.145 | 22.802 | -0.173 | 22.814 | -0.180 | 22.831 | -0.150 |
| 19.593 | -0.168 | 19.606 | -0.160 | 19.618 | -0.117 | 19.643 | -0.088 | 22.846 | -0.114 | 22.861 | -0.070 | 22.876 | -0.020 | 22.892 | -0.046 |
| 19.660 | -0.067 | 19.672 | -0.023 | 19.682 | -0.002 | 19.689 | -0.020 | 22.903 | -0.060 | 22.913 | -0.040 | 22.926 | -0.018 | 22.940 | -0.010 |
| 19.699 | -0.034 | 19.713 | -0.041 | 19.726 | -0.002 | 19.738 | -0.031 | 22.951 | -0.002 | 22.961 | -0.027 | 22.977 | -0.049 | 22.987 | -0.056 |
| 19.751 | -0.024 | 19.759 | -0.017 | 19.779 | -0.061 | 19.791 | -0.083 | 22.998 | -0.035 | 23.011 | -0.007 | 23.026 | -0.071 | 23.040 | -0.128 |
| 19.759 | -0.125 | 19.811 | -0.125 | 19.824 | -0.103 | 19.831 | -0.067 | 23.050 | -0.156 | 23.056 | -0.170 | 23.066 | -0.156 | 23.082 | -0.057 |
| 19.842 | -0.038 | 19.853 | -0.037 | 19.864 | -0.052 | 19.876 | -0.095 | 23.097 | -0.032 | 23.112 | -0.012 | 23.127 | -0.041 | 23.141 | -0.049 |
| 19.888 | -0.152 | 19.902 | -0.181 | 19.917 | -0.178 | 19.933 | -0.181 | 23.155 | -0.064 | 23.167 | -0.064 | 23.181 | -0.065 | 23.195 | -0.073 |
| 19.942 | -0.152 | 19.954 | -0.145 | 19.965 | -0.174 | 19.983 | -0.196 | 23.213 | -0.103 | 23.224 | -0.132 | 23.236 | -0.140 | 23.246 | -0.133 |
| 19.955 | -0.218 | 20.005 | -0.197 | 20.022 | -0.169 | 20.059 | -0.113 | 23.258 | -0.091 | 23.273 | -0.048 | 23.284 | -0.013 | 23.296 | -0.001 |
| 20.112 | -0.032 | 20.123 | -0.047 | 20.133 | -0.083 | 20.145 | -0.077 | 23.308 | -0.021 | 23.325 | -0.073 | 23.341 | -0.124 | 23.356 | -0.160 |
| 20.157 | -0.034 | 20.168 | -0.022 | 20.176 | -0.043 | 20.187 | -0.085 | 23.370 | -0.076 | 23.385 | -0.176 | 23.399 | -0.170 | 23.415 | -0.171 |
| 20.200 | -0.077 | 20.211 | -0.048 | 20.225 | -0.018 | 20.238 | -0.046 | 23.429 | -0.150 | 23.446 | -0.115 | 23.463 | -0.087 | 23.477 | -0.066 |
| 20.250 | -0.031 | 20.262 | -0.045 | 20.271 | -0.017 | 20.284 | -0.082 | 23.493 | -0.060 | 23.506 | -0.068 | 23.522 | -0.055 | 23.535 | -0.055 |
| 20.300 | -0.117 | 20.314 | -0.066 | 20.332 | -0.028 | 20.343 | -0.044 | 23.550 | -0.085 | 23.566 | -0.114 | 23.580 | -0.137 | 23.590 | -0.130 |
| 20.353 | -0.074 | 20.369 | -0.112 | 20.380 | -0.106 | 20.405 | -0.117 | 23.605 | -0.081 | 23.617 | -0.024 | 23.633 | -0.036 | 23.644 | -0.068 |
| 20.425 | -0.134 | 20.443 | -0.150 | 20.457 | -0.164 | 20.467 | -0.150 | 23.658 | -0.067 | 23.675 | -0.051 | 23.690 | -0.040 | 23.707 | -0.028 |
| 20.477 | -0.100 | 20.486 | -0.035 | 20.499 | -0.006 | 20.509 | -0.008 | 23.722 | -0.013 | 23.736 | -0.003 | 23.750 | -0.011 | 23.765 | -0.048 |
| 20.519 | -0.007 | 20.529 | -0.042 | 20.540 | -0.143 | 20.551 | -0.193 | 23.783 | -0.099 | 23.795 | -0.136 | 23.812 | -0.122 | 23.826 | -0.066 |
| 20.555 | -0.229 | 20.571 | -0.265 | 20.583 | -0.300 | 20.595 | -0.299 | 23.841 | -0.031 | 23.855 | -0.003 | 23.869 | -0.012 | 23.883 | -0.005 |
| 20.626 | -0.311 | 20.642 | -0.274 | 20.657 | -0.258 | 20.661 | -0.229 | 23.902 | -0.015 | 23.918 | -0.057 | 23.931 | -0.077 | 23.947 | -0.069 |
| 20.678 | -0.156 | 20.702 | -0.096 | 20.722 | -0.036 | 20.734 | -0.021 | 23.960 | -0.054 | 23.974 | -0.074 | 23.989 | -0.094 | 24.006 | -0.100 |
| 20.746 | -0.041 | 20.755 | -0.069 | 20.771 | -0.146 | 20.784 | -0.216 | 24.022 | -0.078 | 24.040 | -0.034 | 24.052 | -0.011 | 24.063 | -0.004 |
| 20.793 | -0.251 | 20.807 | -0.286 | 20.820 | -0.306 | 20.828 | -0.313 | 24.076 | -0.017 | 24.092 | -0.066 | 24.106 | -0.108 | 24.121 | -0.122 |
| 20.837 | -0.283 | 20.842 | -0.247 | 20.872 | -0.129 | 20.887 | -0.079 | 24.139 | -0.106 | 24.155 | -0.076 | 24.174 | -0.054 | 24.194 | -0.002 |
| 20.901 | -0.043 | 20.916 | -0.028 | 20.928 | -0.049 | 20.937 | -0.078 | 24.210 | -0.063 | 24.224 | -0.078 | 24.237 | -0.057 | 24.254 | -0.022 |
| 20.946 | -0.099 | 20.957 | -0.142 | 20.969 | -0.120 | 20.979 | -0.100 | 24.270 | -0.002 | 24.288 | -0.003 | 24.305 | -0.032 | 24.322 | -0.074 |
| 20.990 | -0.079 | 21.003 | -0.123 | 21.016 | -0.167 | 21.033 | -0.226 | 24.341 | -0.068 | 24.356 | -0.067 | 24.372 | -0.065 | 24.390 | -0.006 |
| 21.054 | -0.257 | 21.074 | -0.294 | 21.090 | -0.274 | 21.101 | -0.253 | 24.407 | -0.066 | 24.423 | -0.103 | 24.437 | -0.111 | 24.451 | -0.112 |
| 21.115 | -0.239 | 21.128 | -0.219 | 21.138 | -0.198 | 21.150 | -0.236 | 24.465 | -0.091 | 24.484 | -0.049 | 24.500 | -0.007 | 24.517 | -0.014 |
| 21.191 | -0.207 | 21.214 | -0.244 | 21.224 | -0.251 | 21.234 | -0.236 | 24.531 | -0.006 | 24.546 | -0.052 | 24.560 | -0.096 | 24.573 | -0.111 |
| 21.245 | -0.201 | 21.271 | -0.050 | 21.286 | -0.014 | 21.302 | -0.019 | 24.583 | -0.097 | 24.596 | -0.034 | 24.611 | -0.059 | 24.630 | -0.166 |
| 21.317 | -0.024 | 21.339 | -0.021 | 21.355 | -0.055 | 21.368 | -0.039 | 24.644 | -0.194 | 24.655 | -0.171 | 24.668 | -0.113 | 24.681 | -0.055 |
| 21.376 | -0.019 | 21.390 | -0.062 | 21.408 | -0.084 | 21.440 | -0.084 | 24.658 | -0.025 | 24.712 | -0.083 | 24.725 | -0.112 | 24.738 | -0.135 |
| 21.456 | -0.075 | 21.474 | -0.073 | 21.484 | -0.058 | 21.499 | -0.027 | 24.757 | -0.121 | 24.766 | -0.122 | 24.782 | -0.137 | 24.794 | -0.132 |
| 21.517 | -0.038 | 21.532 | -0.082 | 21.543 | -0.104 | 21.554 | -0.098 | 24.807 | -0.139 | 24.824 | -0.057 | 24.842 | -0.048 | 24.858 | -0.020 |
| 21.522 | -0.062 | 21.572 | -0.020 | 21.590 | -0.052 | 21.606 | -0.051 | 24.873 | -0.001 | 24.888 | -0.050 | 24.902 | -0.052 | 24.913 | -0.106 |
| 21.625 | -0.043 | 21.641 | -0.022 | 21.653 | -0.000 | 21.665 | -0.036 | 24.926 | -0.098 | 24.939 | -0.054 | 24.954 | -0.010 | 24.969 | -0.042 |
| 21.676 | -0.057 | 21.691 | -0.050 | 21.703 | -0.000 | 21.748 | -0.171 | 24.955 | -0.066 | 24.957 | -0.115 | 25.008 | -0.102 | 25.023 | -0.053 |
| 21.772 | -0.206 | 21.792 | -0.222 | *21.810 | -0.208 | 21.830 | -0.166 | 25.037 | -0.018 | 25.053 | -0.060 | 25.066 | -0.081 | 25.089 | -0.079 |
| 21.862 | -0.076 | 21.880 | -0.032 | 21.894 | -0.026 | 21.912 | -0.083 | 25.100 | -0.045 | 25.113 | -0.113 | 25.128 | -0.140 | 25.140 | -0.161 |
| 21.927 | -0.127 | 21.935 | -0.134 | 21.944 | -0.120 | 21.960 | -0.083 | 25.150 | -0.153 | 25.168 | -0.116 | 25.179 | -0.079 | 25.197 | -0.084 |
| 21.974 | -0.009 | 21.989 | -0.044 | 22.001 | -0.051 | 22.017 | -0.044 | 25.211 | -0.077 | 25.228 | -0.119 | 25.248 | -0.160 | 25.265 | -0.195 |
| 22.029 | -0.057 | 22.044 | -0.078 | 22.061 | -0.085 | 22.071 | -0.084 | 25.279 | -0.187 | 25.294 | -0.157 | 25.311 | -0.112 | 25.327 | -0.090 |
| 22.087 | -0.055 | 22.099 | -0.018 | 22.111 | -0.004 | 22.124 | -0.003 | 25.345 | -0.081 | 25.362 | -0.037 | 25.380 | -0.021 | 25.397 | -0.027 |
| 22.139 | -0.038 | 22.150 | -0.052 | 22.166 | -0.058 | 22.182 | -0.065 | 25.417 | -0.069 | 25.435 | -0.103 | 25.452 | -0.116 | 25.471 | -0.108 |
| 22.158 | -0.066 | 22.210 | -0.099 | 22.225 | -0.084 | 22.240 | -0.048 | 25.490 | -0.106 | 25.504 | -0.079 | 25.519 | -0.075 | 25.535 | -0.053 |
| 22.256 | -0.020 | 22.273 | -0.018 | 22.290 | -0.017 | 22.306 | -0.045 | 25.549 | -0.059 | 25.564 | -0.079 | 25.580 | -0.064 | 25.589 | -0.035 |
| 22.319 | -0.080 | 22.332 | -0.094 | 22.346 | -0.079 | 22.358 | -0.050 | 25.605 | -0.019 | 25.626 | -0.011 | 25.643 | -0.009 | 25.658 | -0.009 |
| 22.371 | -0.039 | 22.387 | -0.034 | 22.406 | -0.048 | 22.423 | -0.040 | 25.678 | -0.029 | 25.694 | -0.056 | 25.711 | -0.041 | 25.729 | -0.018 |
| 22.441 | -0.039 | 22.461 | -0.024 | 22.479 | -0.017 | 22.498 | -0.009 | 25.745 | -0.029 | 25.776 | -0.020 | 25.776 | -0.020 | 25.794 | -0.021 |
| 22.512 | -0.009 | 22.523 | -0.015 | 22.533 | -0.051 | 22.548 | -0.101 | 25.814 | -0.015 | 25.830 | -0.061 | 25.849 | -0.019 | 25.873 | -0.040 |
| 22.560 | -0.113 | 22.575 | -0.136 | 22.594 | -0.136 | 22.612 | -0.114 | 25.890 | -0.039 | 25.909 | -0.031 | 25.929 | -0.001 | 25.947 | -0.021 |
| 22.630 | -0.032 | 22.646 | -0.091 | 22.662 | -0.062 | 22.675 | -0.033 | 25.959 | -0.029 | 25.974 | -0.015 | 25.990 | -0.006 | 26.007 | -0.027 |
| 22.691 | -0.032 | 22.706 | -0.018 | 22.720 | -0.012 | 22.735 | -0.041 | 26.026 | -0.026 | 26.046 | -0.054 | 26.062 | -0.089 | 26.077 | -0.110 |
| 22.748 | -0.055 | 22.758 | -0.041 | 22.768 | -0.009 | 22.777 | -0.073 | 26.090 | -0.110 | 26.111 | -0.080 | 26.130 | -0.036 | 26.146 | -0.007 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 26.162 | 0.044 | 26.177 | 0.073 | 26.189 | 0.081 | 26.205 | 0.074 | 29.534 | C.026 | 29.543 | C.013 | 29.558 | -C.024 | 29.573 | -C.045 |
| 26.215 | 0.039 | 26.225 | 0.032 | 26.239 | 0.025 | 26.254 | 0.026 | 29.589 | -C.059 | 29.605 | -C.013 | 29.621 | -C.058 | 29.637 | -C.036 |
| 26.268 | -0.045 | 26.288 | -0.045 | 26.301 | -0.066 | 26.318 | -0.056 | 29.650 | C.000 | 29.666 | C.015 | 29.684 | C.016 | 29.701 | C.009 |
| 26.336 | -0.043 | 26.350 | -0.057 | 26.364 | -0.099 | 26.377 | -0.134 | 29.718 | C.031 | 29.734 | C.039 | 29.749 | C.054 | 29.761 | 0.062 |
| 26.387 | -C.119 | 26.400 | -0.119 | 26.416 | -0.053 | 26.432 | 0.012 | 29.777 | C.062 | 29.792 | C.070 | 29.804 | C.049 | 29.820 | 0.021 |
| 26.445 | -0.048 | 26.461 | 0.064 | 26.480 | 0.065 | 26.494 | C.051 | 29.833 | 0.000 | 29.845 | -C.020 | 29.856 | -C.013 | 29.867 | C.009 |
| 26.509 | 0.037 | 26.523 | 0.031 | 26.537 | 0.031 | 26.553 | 0.025 | 29.882 | C.003 | 29.896 | C.004 | 29.913 | -C.010 | 29.930 | -C.031 |
| 26.572 | C.033 | 26.587 | 0.055 | 26.599 | C.070 | 26.610 | 0.071 | 29.946 | -C.037 | 29.962 | -C.051 | 29.977 | -C.065 | 29.994 | -C.065 |
| 26.622 | 0.050 | 26.634 | 0.050 | 26.647 | 0.065 | 26.661 | 0.109 | 30.010 | -0.057 | 30.026 | -0.057 | 30.042 | -C.020 | 30.057 | 0.009 |
| 26.671 | C.145 | 26.683 | 0.185 | 26.694 | 0.197 | 26.704 | 0.197 | 30.070 | C.038 | 30.084 | C.053 | 30.098 | C.060 | 30.114 | C.075 |
| 26.717 | C.176 | 26.731 | 0.155 | 26.746 | 0.127 | 26.760 | 0.113 | 30.127 | 0.075 | 30.141 | C.050 | 30.155 | C.068 | 30.165 | C.061 |
| 26.771 | C.092 | 26.784 | 0.078 | 26.797 | 0.064 | 26.810 | 0.042 | 30.184 | C.075 | 30.196 | C.050 | 30.213 | C.075 | 30.227 | C.075 |
| 26.826 | C.021 | 26.840 | -0.007 | 26.852 | -0.007 | 26.867 | C.001 | 30.243 | C.061 | 30.258 | C.039 | 30.276 | C.011 | 30.290 | C.004 |
| 26.883 | 0.023 | 26.899 | 0.052 | 26.913 | 0.088 | 26.928 | C.103 | 30.301 | C.003 | 30.314 | C.025 | 30.327 | -C.047 | 30.337 | C.047 |
| 26.942 | 0.089 | 26.955 | 0.054 | 26.973 | 0.018 | 26.986 | C.004 | 30.348 | C.033 | 30.365 | 0.012 | 30.383 | -C.009 | 30.398 | -C.023 |
| 27.002 | C.012 | 27.021 | 0.041 | 27.037 | 0.049 | 27.053 | 0.057 | 30.412 | -0.015 | 30.430 | -0.015 | 30.445 | -C.003 | 30.461 | C.001 |
| 27.068 | 0.071 | 27.084 | 0.079 | 27.097 | 0.094 | 27.113 | 0.117 | 30.478 | C.008 | 30.492 | -C.005 | 30.507 | -C.033 | 30.525 | -C.061 |
| 27.128 | 0.139 | 27.142 | 0.161 | 27.160 | 0.176 | 27.171 | 0.184 | 30.540 | -C.089 | 30.557 | -C.109 | 30.575 | -C.101 | 30.591 | -C.100 |
| 27.185 | 0.149 | 27.202 | 0.107 | 27.215 | 0.071 | 27.230 | 0.058 | 30.607 | -0.071 | 30.621 | -0.041 | 30.636 | -C.103 | 30.650 | -C.018 |
| 27.242 | 0.080 | 27.255 | 0.109 | 27.266 | 0.139 | 27.278 | C.161 | 30.668 | 0.012 | 30.683 | C.027 | 30.698 | C.057 | 30.716 | C.058 |
| 27.288 | C.147 | 27.303 | 0.105 | 27.319 | 0.056 | 27.336 | 0.021 | 30.731 | 0.052 | 30.747 | 0.021 | 30.762 | C.025 | 30.778 | 0.004 |
| 27.351 | 0.014 | 27.367 | 0.044 | 27.383 | 0.059 | 27.397 | 0.060 | 30.792 | -C.002 | 30.808 | 0.027 | 30.821 | C.043 | 30.835 | C.058 |
| 27.412 | 0.068 | 27.428 | 0.091 | 27.445 | 0.128 | 27.453 | 0.150 | 30.851 | C.044 | 30.864 | 0.016 | 30.879 | -C.004 | 30.893 | -C.010 |
| 27.465 | C.143 | 27.478 | 0.101 | 27.495 | 0.045 | 27.507 | -0.005 | 30.908 | C.005 | 30.925 | -C.001 | 30.942 | -C.014 | 30.955 | -C.027 |
| 27.518 | -0.011 | 27.531 | 0.004 | 27.545 | 0.012 | 27.559 | 0.027 | 30.973 | -C.048 | 30.990 | -0.032 | 31.002 | -C.032 | 31.018 | -C.030 |
| 27.571 | C.013 | 27.585 | -0.015 | 27.600 | -0.050 | 27.613 | -C.070 | 31.034 | -C.036 | 31.051 | -C.050 | 31.065 | -C.085 | 31.078 | -C.098 |
| 27.631 | -0.069 | 27.645 | -0.068 | 27.660 | -0.060 | 27.674 | -0.066 | 31.093 | -C.104 | 31.107 | -0.103 | 31.121 | -C.081 | 31.132 | -C.066 |
| 27.693 | -0.094 | 27.711 | -0.100 | 27.721 | -0.106 | 27.734 | -0.084 | 31.146 | -C.050 | 31.157 | -0.049 | 31.172 | -C.048 | 31.185 | -C.062 |
| 27.750 | -0.054 | 27.769 | -0.017 | 27.787 | 0.028 | 27.802 | 0.043 | 31.206 | -C.075 | 31.223 | -0.081 | 31.236 | -C.080 | 31.249 | -C.058 |
| 27.817 | C.058 | 27.831 | 0.088 | 27.849 | 0.119 | 27.856 | 0.134 | 31.261 | -C.043 | 31.277 | -0.021 | 31.288 | -C.020 | 31.302 | -C.026 |
| 27.865 | 0.127 | 27.880 | 0.100 | 27.895 | C.080 | 27.912 | C.089 | 31.317 | -C.040 | 31.333 | -0.054 | 31.350 | -C.060 | 31.370 | -C.059 |
| 27.927 | C.164 | 27.943 | 0.113 | 27.959 | 0.107 | 27.975 | C.080 | 31.390 | -0.065 | 31.409 | -C.064 | 31.429 | -C.056 | 31.448 | -C.062 |
| 27.991 | -C.031 | 28.004 | -0.011 | 28.013 | -0.024 | 28.023 | -C.023 | 31.463 | -0.055 | 31.477 | -0.033 | 31.493 | -C.003 | 31.506 | C.026 |
| 28.036 | -C.000 | 28.050 | 0.008 | 28.062 | 0.002 | 28.077 | -0.032 | 31.516 | C.041 | 31.529 | -C.045 | 31.542 | -C.006 | 31.555 | C.028 |
| 28.092 | -0.066 | 28.108 | -0.079 | 28.125 | -0.052 | 28.141 | -0.097 | 31.569 | 0.015 | 31.582 | -0.006 | 31.594 | -C.006 | 31.609 | C.017 |
| 28.158 | -0.056 | 28.170 | -0.123 | 28.188 | -0.143 | 28.202 | -0.135 | 31.625 | C.032 | 31.637 | 0.047 | 31.650 | -C.046 | 31.663 | 0.048 |
| 28.215 | -C.057 | 28.231 | -0.053 | 28.244 | -0.016 | 28.260 | -0.000 | 31.678 | -C.035 | 31.694 | -0.021 | 31.707 | -C.007 | 31.722 | -0.049 |
| 28.276 | -0.001 | 28.289 | -0.005 | 28.307 | 0.019 | 28.321 | C.041 | 31.735 | -C.070 | 31.746 | -0.069 | 31.759 | -C.054 | 31.776 | -C.017 |
| 28.334 | 0.043 | 28.349 | 0.029 | 28.365 | 0.009 | 28.383 | 0.003 | 31.789 | C.005 | 31.802 | C.035 | 31.818 | C.058 | 31.833 | C.080 |
| 28.394 | -C.003 | 28.408 | 0.012 | 28.422 | 0.028 | 28.438 | 0.058 | 31.846 | C.074 | 31.859 | C.060 | 31.873 | C.032 | 31.886 | 0.012 |
| 28.456 | 0.080 | 28.471 | 0.110 | 28.488 | 0.104 | 28.505 | 0.070 | 31.900 | 0.005 | 31.912 | -0.001 | 31.924 | -C.008 | 31.941 | C.007 |
| 28.521 | 0.049 | 28.538 | 0.042 | 28.553 | 0.043 | 28.575 | 0.037 | 31.950 | C.022 | 31.966 | -0.037 | 31.979 | -C.037 | 31.994 | C.024 |
| 28.593 | 0.038 | 28.612 | 0.046 | 28.630 | 0.032 | 28.651 | 0.033 | 32.008 | 0.017 | 32.020 | 0.003 | 32.033 | C.004 | 32.046 | C.012 |
| 28.667 | 0.034 | 28.684 | 0.056 | 28.699 | 0.078 | 28.715 | 0.093 | 32.063 | 0.041 | 32.077 | 0.070 | 32.093 | 0.099 | 32.106 | 0.092 |
| 28.733 | 0.093 | 28.750 | 0.108 | 28.765 | 0.109 | 28.782 | 0.080 | 32.121 | C.085 | 32.130 | C.071 | 32.147 | C.072 | 32.165 | C.086 |
| 28.801 | 0.052 | 28.820 | 0.046 | 28.838 | 0.010 | 28.856 | -0.003 | 32.180 | C.087 | 32.194 | C.065 | 32.211 | C.037 | 32.227 | 0.009 |
| 28.871 | -C.010 | 28.889 | -0.016 | 28.908 | 0.013 | 28.924 | 0.021 | 32.242 | 0.002 | 32.260 | 0.002 | 32.275 | C.024 | 32.295 | C.017 |
| 28.940 | 0.014 | 28.955 | 0.022 | 28.974 | 0.030 | 28.990 | 0.036 | 32.312 | 0.011 | 32.333 | 0.004 | 32.351 | C.004 | 32.371 | 0.012 |
| 29.006 | 0.053 | 29.021 | 0.039 | 29.038 | 0.011 | 29.056 | -0.039 | 32.389 | C.012 | 32.404 | C.020 | 32.420 | C.028 | 32.435 | 0.042 |
| 29.074 | -0.060 | 29.090 | -0.081 | 29.110 | -0.088 | 29.128 | -0.058 | 32.449 | 0.057 | 32.467 | -0.058 | 32.484 | 0.044 | 32.499 | C.016 |
| 29.146 | -0.072 | 29.165 | -0.072 | 29.185 | -0.093 | 29.206 | -0.056 | 32.515 | -C.012 | 32.529 | -C.041 | 32.547 | -C.055 | 32.564 | -0.054 |
| 29.220 | -0.084 | 29.238 | -0.148 | 29.251 | -0.162 | 29.267 | -0.162 | 32.582 | -C.053 | 32.594 | -C.067 | 32.605 | -C.081 | 32.620 | -0.073 |
| 29.283 | -0.104 | 29.299 | -0.068 | 29.314 | -0.039 | 29.329 | -0.034 | 32.634 | -0.058 | 32.647 | -C.029 | 32.659 | C.008 | 32.673 | C.015 |
| 29.345 | -0.066 | 29.362 | -0.073 | 29.378 | -0.080 | 29.393 | -0.092 | 32.684 | C.016 | 32.697 | -C.002 | 32.706 | -C.012 | 32.720 | -0.011 |
| 29.411 | -0.115 | 29.424 | -0.129 | 29.438 | -0.121 | 29.455 | -0.099 | 32.735 | -C.004 | 32.748 | -0.010 | 32.764 | C.005 | 32.775 | C.012 |
| 29.475 | -0.084 | 29.493 | -0.040 | 29.510 | -0.004 | 29.521 | 0.011 | 32.793 | C.020 | 32.811 | 0.021 | 32.825 | 0.021 | 32.840 | C.029 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 32.856 | C.051 | 32.869 | 0.073 | 32.880 | 0.073 | 32.894 | 0.066 | 36.504 | C.047 | 36.524 | C.055 | 36.537 | G.041 | 36.552 | C.013 |
| 32.907 | 0.032 | 32.925 | 0.024 | 32.939 | 0.025 | 32.957 | 0.018 | 36.569 | 0.007 | 36.593 | 0.037 | 36.607 | G.060 | 36.622 | C.068 |
| 32.971 | 0.059 | 32.988 | 0.041 | 33.004 | 0.063 | 33.021 | 0.071 | 36.653 | 0.026 | 36.678 | -0.024 | 36.693 | -0.066 | 36.708 | -0.094 |
| 33.034 | C.057 | 33.054 | 0.043 | 33.068 | 0.029 | 33.084 | 0.044 | 36.701 | -0.093 | 36.720 | -0.056 | 36.741 | C.046 | 36.764 | C.014 |
| 33.099 | 0.051 | 33.118 | 0.052 | 33.134 | 0.045 | 33.149 | C.052 | 36.780 | 0.163 | 36.800 | C.150 | 36.813 | C.107 | 36.830 | C.051 |
| 33.165 | 0.046 | 33.184 | 0.046 | 33.202 | 0.054 | 33.218 | C.068 | 36.845 | C.038 | 36.862 | C.104 | 36.881 | C.163 | 36.897 | C.171 |
| 33.234 | C.069 | 33.251 | 0.062 | 33.265 | 0.055 | 33.282 | 0.041 | 36.912 | C.165 | 36.933 | C.159 | 36.954 | C.132 | 36.977 | C.120 |
| 33.298 | 0.020 | 33.311 | -0.001 | 33.329 | -0.001 | 33.348 | 0.021 | 36.992 | C.121 | 37.008 | C.137 | 37.023 | C.123 | 37.037 | C.056 |
| 33.364 | C.059 | 33.380 | 0.051 | 33.397 | 0.066 | 33.415 | 0.067 | 37.055 | C.061 | 37.076 | C.035 | 37.095 | C.000 | 37.115 | C.026 |
| 33.432 | 0.059 | 33.451 | 0.084 | 33.464 | 0.114 | 33.482 | 0.115 | 37.134 | -0.046 | 37.156 | -0.044 | 37.172 | C.008 | 37.193 | C.060 |
| 33.497 | 0.095 | 33.514 | 0.075 | 33.532 | 0.054 | 33.549 | 0.041 | 37.210 | C.057 | 37.232 | C.135 | 37.247 | C.151 | 37.261 | C.152 |
| 33.565 | 0.035 | 33.579 | 0.029 | 33.596 | 0.044 | 33.612 | 0.067 | 37.272 | C.132 | 37.288 | C.090 | 37.301 | C.048 | 37.310 | C.020 |
| 33.630 | 0.061 | 33.646 | 0.069 | 33.667 | 0.077 | 33.682 | C.070 | 37.323 | -0.007 | 37.338 | 0.023 | 37.354 | C.053 | 37.372 | C.055 |
| 33.700 | 0.021 | 33.715 | -0.008 | 33.728 | -0.014 | 33.744 | -0.014 | 37.389 | C.020 | 37.404 | -0.028 | 37.415 | -0.028 | 37.435 | 0.002 |
| 33.763 | 0.015 | 33.787 | 0.027 | 33.800 | -0.012 | 33.816 | 0.017 | 37.453 | C.015 | 37.467 | -0.058 | 37.480 | C.091 | 37.491 | 0.063 |
| 33.830 | 0.046 | 33.845 | 0.054 | 33.865 | 0.047 | 33.880 | 0.041 | 37.509 | 0.015 | 37.522 | -0.006 | 37.531 | -0.020 | 37.551 | -0.004 |
| 33.900 | C.048 | 33.918 | 0.078 | 33.936 | 0.064 | 33.955 | 0.015 | 37.572 | C.056 | 37.583 | C.056 | 37.598 | C.021 | 37.613 | -0.007 |
| 33.975 | 0.001 | 33.990 | 0.002 | 34.007 | 0.010 | 34.021 | 0.040 | 37.637 | -0.013 | 37.660 | 0.024 | 37.675 | C.061 | 37.695 | C.076 |
| 34.038 | 0.041 | 34.057 | 0.042 | 34.070 | 0.028 | 34.087 | 0.036 | 37.711 | C.026 | 37.730 | -0.023 | 37.745 | -0.030 | 37.764 | C.050 |
| 34.104 | 0.058 | 34.120 | 0.052 | 34.137 | 0.067 | 34.155 | C.061 | 37.785 | C.072 | 37.803 | C.023 | 37.815 | C.002 | 37.835 | C.038 |
| 34.172 | 0.055 | 34.183 | 0.048 | 34.199 | 0.042 | 34.215 | 0.064 | 37.853 | C.089 | 37.868 | 0.050 | 37.886 | C.062 | 37.906 | C.027 |
| 34.231 | 0.054 | 34.247 | 0.095 | 34.265 | 0.067 | 34.283 | 0.032 | 37.922 | 0.028 | 37.941 | C.043 | 37.956 | C.065 | 37.967 | C.067 |
| 34.303 | 0.033 | 34.321 | 0.047 | 34.340 | 0.026 | 34.354 | 0.005 | 37.983 | C.087 | 38.001 | C.052 | 38.019 | C.010 | 38.040 | -0.026 |
| 34.365 | -0.016 | 34.374 | -0.016 | 34.382 | -0.009 | 34.392 | -0.001 | 38.058 | -0.054 | 38.077 | -0.060 | 38.097 | -0.031 | 38.119 | -0.023 |
| 34.404 | 0.028 | 34.415 | 0.050 | 34.424 | 0.057 | 34.439 | 0.050 | 38.139 | -0.036 | 38.160 | -0.027 | 38.188 | C.051 | 38.217 | 0.074 |
| 34.449 | 0.050 | 34.460 | 0.022 | 34.473 | 0.007 | 34.491 | 0.000 | 38.239 | C.060 | 38.262 | 0.032 | 38.284 | C.062 | 38.295 | C.076 |
| 34.507 | -0.014 | 34.523 | -0.006 | 34.538 | 0.008 | 34.550 | 0.008 | 38.338 | 0.063 | 38.361 | -0.059 | 38.383 | -0.080 | 38.399 | -0.094 |
| 34.563 | 0.015 | 34.583 | 0.023 | 34.601 | 0.023 | 34.624 | 0.031 | 38.391 | -0.043 | 38.404 | C.015 | 38.418 | C.054 | 38.435 | C.130 |
| 34.638 | 0.031 | 34.651 | 0.032 | 34.660 | 0.039 | 34.674 | 0.047 | 38.457 | 0.102 | 38.477 | C.061 | 38.495 | C.067 | 38.516 | C.047 |
| 34.689 | 0.061 | 34.703 | 0.069 | 34.717 | 0.069 | 34.729 | 0.062 | 38.533 | C.076 | 38.550 | C.113 | 38.564 | C.142 | 38.580 | C.143 |
| 34.741 | 0.048 | 34.753 | 0.034 | 34.762 | 0.020 | 34.776 | 0.006 | 38.599 | 0.093 | 38.612 | 0.037 | 38.627 | C.016 | 38.643 | C.024 |
| 34.787 | -0.008 | 34.801 | -0.029 | 34.814 | -0.042 | 34.829 | -0.056 | 38.655 | C.066 | 38.671 | C.082 | 38.686 | C.057 | 38.701 | 0.058 |
| 34.844 | -0.070 | 34.864 | -0.069 | 34.883 | -0.069 | 34.897 | -0.068 | 38.712 | C.083 | 38.723 | C.013 | 38.741 | -0.015 | 38.760 | 0.007 |
| 34.914 | -0.074 | 34.930 | -0.074 | 34.944 | -0.073 | 34.957 | -0.073 | 38.780 | C.056 | 38.795 | C.081 | 38.815 | C.082 | 38.834 | C.069 |
| 34.971 | -0.079 | 34.986 | -0.100 | 35.007 | -0.114 | 35.031 | -0.120 | 38.852 | 0.071 | 38.868 | 0.072 | 38.881 | C.080 | 38.893 | C.073 |
| 35.047 | -0.134 | 35.072 | -0.140 | 35.092 | -0.147 | 35.109 | -0.139 | 38.909 | C.053 | 38.921 | C.029 | 38.939 | C.077 | 38.958 | C.099 |
| 35.126 | -0.124 | 35.144 | -0.116 | 35.167 | -0.101 | 35.189 | -0.093 | 38.973 | 0.108 | 38.992 | 0.059 | 39.014 | -0.012 | 39.032 | -0.053 |
| 35.207 | -0.064 | 35.221 | -0.064 | 35.238 | -0.063 | 35.249 | -0.063 | 39.051 | -0.074 | 39.078 | -0.079 | 39.099 | -0.063 | 39.114 | -0.062 |
| 35.269 | -0.062 | 35.285 | -0.061 | 35.301 | -0.054 | 35.313 | -0.054 | 39.127 | -0.080 | 39.141 | -0.038 | 39.157 | C.007 | 39.170 | 0.029 |
| 35.336 | -0.053 | 35.347 | -0.060 | 35.366 | -0.067 | 35.376 | -0.061 | 39.185 | C.031 | 39.200 | 0.025 | 39.222 | C.012 | 39.243 | C.021 |
| 35.393 | -0.095 | 35.409 | -0.109 | 35.426 | -0.116 | 35.448 | -0.115 | 39.263 | C.044 | 39.283 | C.075 | 39.296 | C.057 | 39.309 | 0.084 |
| 35.469 | -0.086 | 35.487 | -0.064 | 35.506 | -0.042 | 35.520 | -0.035 | 39.323 | C.049 | 39.336 | 0.017 | 39.349 | -0.020 | 39.360 | -0.027 |
| 35.539 | -0.034 | 35.565 | -0.034 | 35.576 | -0.048 | 35.592 | -0.061 | 39.366 | -0.026 | 39.380 | -0.017 | 39.395 | -0.002 | 39.408 | C.035 |
| 35.606 | -0.068 | 35.623 | -0.067 | 35.643 | -0.038 | 35.662 | -0.001 | 39.424 | C.051 | 39.441 | 0.060 | 39.453 | C.047 | 39.465 | C.026 |
| 35.682 | 0.043 | 35.706 | 0.087 | 35.724 | 0.088 | 35.735 | C.088 | 39.483 | -0.001 | 39.495 | -0.021 | 39.518 | -0.033 | 39.537 | -0.039 |
| 35.750 | 0.039 | 35.765 | 0.004 | 35.777 | -0.009 | 35.791 | -0.008 | 39.555 | -0.037 | 39.576 | -0.014 | 39.596 | C.009 | 39.611 | 0.032 |
| 35.807 | 0.007 | 35.823 | 0.030 | 35.844 | 0.052 | 35.863 | C.061 | 39.634 | C.041 | 39.648 | C.042 | 39.668 | C.044 | 39.687 | C.053 |
| 35.882 | 0.069 | 35.903 | 0.071 | 35.921 | 0.072 | 35.940 | 0.073 | 39.701 | C.054 | 39.717 | C.015 | 39.734 | -0.037 | 39.753 | -0.064 |
| 35.958 | 0.059 | 35.982 | 0.025 | 35.998 | -0.010 | 36.024 | -0.037 | 39.770 | C.062 | 39.788 | -0.061 | 39.805 | -0.059 | 39.828 | -0.058 |
| 36.035 | -0.044 | 36.054 | -0.021 | 36.067 | 0.016 | 36.087 | 0.053 | 39.843 | -0.056 | 39.868 | -0.040 | 39.894 | -0.031 | 39.912 | -0.007 |
| 36.100 | C.056 | 36.115 | 0.112 | 36.131 | 0.113 | 36.147 | 0.106 | 39.927 | C.023 | 39.950 | C.053 | 39.964 | C.054 | 39.978 | C.068 |
| 36.162 | 0.079 | 36.180 | 0.029 | 36.197 | 0.006 | 36.222 | -0.004 | 40.016 | 0.044 | 40.030 | C.067 | 40.044 | C.036 | 40.108 | 0.038 |
| 36.239 | -0.018 | 36.262 | -0.067 | 36.278 | -0.095 | 36.297 | -0.094 | 40.056 | C.055 | 40.073 | 0.042 | 40.089 | C.041 | 40.159 | 0.071 |
| 36.317 | -0.035 | 36.339 | -0.013 | 36.358 | -0.019 | 36.381 | -0.025 | 40.119 | 0.024 | 40.132 | 0.018 | 40.146 | C.041 | 40.215 | 0.058 |
| 36.398 | -0.031 | 36.410 | -0.030 | 36.420 | -0.030 | 36.433 | -0.029 | 40.174 | C.054 | 40.188 | C.110 | 40.202 | C.111 | 40.218 | C.058 |
| 36.450 | -0.035 | 36.462 | -0.035 | 36.476 | -0.027 | 36.491 | 0.003 | 40.237 | 0.093 | 40.253 | C.055 | 40.266 | C.056 | 40.281 | C.057 |

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|--------|--------|--------|--------|--------|--------|--------|--------|
| 40.257 | 0.092 | 40.316 | 0.058 | 40.338 | 0.009 | 40.361 | 0.012 |
| 40.385 | 0.050 | 40.402 | 0.080 | 40.422 | 0.089 | 40.441 | 0.083 |
| 40.456 | 0.055 | 40.470 | 0.020 | 40.489 | 0.007 | 40.513 | 0.016 |
| 40.533 | 0.025 | 40.551 | 0.026 | 40.568 | 0.042 | 40.585 | 0.050 |
| 40.603 | 0.044 | 40.629 | 0.067 | 40.637 | 0.075 | 40.655 | 0.098 |
| 40.671 | 0.099 | 40.690 | 0.057 | 40.708 | -0.000 | 40.723 | -0.014 |
| 40.743 | -0.006 | 40.760 | 0.023 | 40.781 | 0.053 | 40.799 | 0.082 |
| 40.817 | 0.090 | 40.837 | 0.070 | 40.856 | 0.041 | 40.877 | 0.021 |
| 40.904 | 0.000 | 40.921 | 0.001 | 40.943 | 0.023 | 40.967 | 0.031 |
| 40.990 | 0.025 | 41.011 | -0.003 | 41.031 | -0.031 | 41.045 | -0.030 |
| 41.065 | -0.008 | 41.085 | 0.014 | 41.103 | 0.008 | 41.122 | -0.027 |
| 41.139 | -0.077 | 41.157 | -0.097 | 41.179 | -0.085 | 41.203 | -0.081 |
| 41.227 | -0.073 | 41.245 | -0.050 | 41.265 | -0.028 | 41.284 | -0.012 |
| 41.306 | 0.010 | 41.331 | 0.033 | 41.349 | 0.048 | 41.371 | 0.042 |
| 41.392 | 0.028 | 41.413 | 0.015 | 41.435 | 0.023 | 41.453 | 0.045 |
| 41.481 | 0.054 | 41.503 | 0.048 | 41.524 | 0.020 | 41.546 | -0.008 |
| 41.569 | -0.043 | 41.586 | -0.057 | 41.607 | -0.041 | 41.628 | -0.026 |
| 41.651 | -0.025 | 41.675 | -0.009 | 41.697 | 0.014 | 41.718 | 0.029 |
| 41.744 | 0.030 | 41.765 | 0.024 | 41.784 | 0.026 | 41.809 | 0.027 |
| 41.828 | 0.014 | 41.850 | -0.013 | 41.872 | -0.026 | 41.898 | -0.024 |
| 41.920 | -0.023 | 41.942 | -0.022 | 41.968 | -0.006 | 41.997 | 0.018 |
| 42.014 | 0.033 | 42.037 | 0.049 | 42.050 | 0.050 | 42.070 | 0.030 |
| 42.085 | 0.009 | 42.106 | -0.004 | 42.128 | -0.002 | 42.147 | 0.020 |
| 42.171 | 0.022 | 42.196 | 0.024 | 42.223 | 0.047 | 42.246 | 0.048 |
| 42.268 | 0.021 | 42.283 | 0.015 | 42.306 | 0.031 | 42.331 | 0.047 |
| 42.355 | 0.063 | 42.375 | 0.064 | 42.396 | 0.058 | 42.426 | 0.039 |
| 42.446 | 0.018 | 42.472 | 0.020 | 42.495 | 0.021 | 42.515 | 0.023 |
| 42.536 | 0.031 | 42.561 | 0.047 | 42.581 | 0.055 | 42.600 | 0.042 |
| 42.625 | 0.015 | 42.646 | -0.012 | 42.671 | -0.011 | 42.690 | 0.005 |
| 42.702 | 0.006 | 42.722 | 0.007 | 42.743 | 0.037 | 42.764 | 0.053 |
| 42.788 | 0.062 | 42.806 | 0.056 | 42.827 | 0.058 | 42.849 | 0.074 |
| 42.868 | 0.083 | 42.891 | 0.077 | 42.906 | 0.072 | 42.928 | 0.066 |
| 42.948 | 0.061 | 42.963 | 0.091 | 42.982 | 0.100 | 42.994 | 0.101 |
| 43.007 | 0.102 | 43.029 | 0.047 | 43.052 | 0.020 | 43.076 | 0.001 |
| 43.100 | -0.012 | 43.124 | -0.010 | 43.144 | -0.009 | 43.164 | -0.007 |
| 43.191 | -0.005 | 43.210 | -0.004 | 43.243 | -0.002 | 43.277 | 0.008 |
| 43.256 | 0.009 | 43.323 | 0.003 | 43.355 | 0.013 | 43.381 | 0.021 |
| 43.401 | 0.016 | 43.428 | 0.010 | 43.453 | 0.012 | 43.474 | 0.042 |
| 43.456 | 0.065 | 43.518 | 0.060 | 43.543 | 0.048 | 43.565 | 0.028 |
| 43.553 | 0.045 | 43.623 | 0.062 | 43.644 | 0.063 | 43.666 | 0.072 |
| 43.687 | 0.081 | 43.710 | 0.090 | 43.728 | 0.092 | 43.744 | 0.114 |
| 43.762 | 0.130 | 43.783 | 0.125 | 43.803 | 0.140 | 43.824 | 0.156 |
| 43.845 | 0.165 | 43.866 | 0.152 | 43.888 | 0.125 | 43.908 | 0.126 |
| 43.930 | 0.121 | 43.950 | 0.136 | 43.971 | 0.145 | 43.993 | 0.146 |
| 44.014 | 0.140 | 44.043 | 0.135 | 44.059 | 0.128 | 44.081 | 0.122 |
| 44.056 | 0.109 | 44.114 | 0.110 | 44.137 | 0.097 | 44.159 | 0.091 |
| 44.183 | 0.107 | 44.211 | 0.123 | 44.237 | 0.117 | 44.258 | 0.111 |
| 44.280 | 0.058 | 44.297 | 0.070 | 44.315 | 0.056 | 44.336 | 0.037 |
| 44.350 | 0.058 | 44.365 | 0.059 | 44.383 | 0.059 | 44.405 | 0.068 |
| 44.422 | 0.069 | 44.443 | 0.070 | 44.459 | 0.071 | 44.488 | 0.080 |
| 44.505 | 0.056 | 44.529 | 0.057 | 44.553 | 0.077 | 44.573 | 0.064 |
| 44.595 | 0.073 | 44.616 | 0.082 | 44.637 | 0.098 | 44.661 | 0.114 |
| 44.683 | 0.115 | 44.704 | 0.102 | 44.722 | 0.089 | 44.743 | 0.083 |
| 44.770 | 0.078 | 44.793 | 0.072 | 44.823 | 0.052 | 44.843 | 0.024 |
| 44.869 | 0.018 | 44.891 | 0.013 | 44.910 | -0.001 | 44.923 | -0.008 |
| 44.933 | -0.007 | 44.939 | -0.007 | | | | |

IQ239

71.168 2/9/71 0600PST 9100 WILSHIRE BLVD.BSMT. BEV.HILLS UP

3015 POINTS 44.924 SECONDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED
AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR
ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC. G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED
IN THE ABOVE ALIGNMENT CORRECTION, IS 0.0864 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | 0.157 | 0.007 | 0.166 | 0.017 | 0.148 | 0.032 | 0.083 | 1.580 | 0.040 | 1.589 | 0.066 | 2.007 | 0.087 | 2.016 | 0.236 | 2.026 | 0.245 | 2.058 | 0.039 |
| 0.044 | 0.065 | 0.057 | 0.074 | 0.071 | 0.057 | 0.088 | -0.026 | 2.062 | -0.220 | 2.054 | -0.255 | 2.062 | -0.220 | 2.106 | -0.124 | 2.062 | -0.220 | 2.106 | -0.124 |
| 0.058 | -0.057 | 0.106 | -0.118 | 0.118 | -0.088 | 0.125 | -0.026 | 2.082 | -0.220 | 2.054 | -0.255 | 2.082 | -0.220 | 2.106 | -0.124 | 2.082 | -0.220 | 2.106 | -0.124 |
| 0.139 | -0.004 | 0.148 | -0.013 | 0.161 | -0.026 | 0.169 | -0.039 | 2.130 | -0.089 | 2.143 | -0.041 | 2.130 | -0.089 | 2.143 | -0.041 | 2.130 | -0.089 | 2.143 | -0.041 |
| 0.180 | -0.008 | 0.188 | 0.044 | 0.198 | 0.154 | 0.207 | 0.167 | 2.174 | 0.138 | 2.183 | 0.121 | 2.174 | 0.138 | 2.183 | 0.121 | 2.174 | 0.138 | 2.183 | 0.121 |
| 0.213 | 0.176 | 0.223 | 0.172 | 0.231 | 0.128 | 0.246 | 0.027 | 2.219 | 0.064 | 2.230 | 0.015 | 2.219 | 0.064 | 2.230 | 0.015 | 2.219 | 0.064 | 2.230 | 0.015 |
| 0.254 | 0.001 | 0.261 | -0.008 | 0.272 | 0.019 | 0.283 | 0.036 | 2.270 | -0.086 | 2.287 | 0.041 | 2.270 | -0.086 | 2.287 | 0.041 | 2.270 | -0.086 | 2.287 | 0.041 |
| 0.312 | -0.156 | 0.359 | -0.147 | 0.381 | -0.033 | 0.394 | -0.002 | 2.325 | 0.120 | 2.347 | 0.106 | 2.325 | 0.120 | 2.347 | 0.106 | 2.325 | 0.120 | 2.347 | 0.106 |
| 0.401 | -0.011 | 0.412 | 0.072 | 0.418 | 0.076 | 0.428 | -0.058 | 2.389 | 0.010 | 2.402 | -0.008 | 2.389 | 0.010 | 2.402 | -0.008 | 2.389 | 0.010 | 2.402 | -0.008 |
| 0.442 | 0.016 | 0.454 | 0.034 | 0.462 | 0.021 | 0.470 | 0.018 | 2.439 | -0.082 | 2.455 | -0.047 | 2.439 | -0.082 | 2.455 | -0.047 | 2.439 | -0.082 | 2.455 | -0.047 |
| 0.483 | -0.119 | 0.494 | -0.154 | 0.505 | -0.119 | 0.517 | -0.018 | 2.500 | 0.102 | 2.513 | 0.145 | 2.500 | 0.102 | 2.513 | 0.145 | 2.500 | 0.102 | 2.513 | 0.145 |
| 0.526 | 0.004 | 0.536 | 0.017 | 0.542 | -0.004 | 0.557 | -0.053 | 2.542 | -0.008 | 2.553 | -0.022 | 2.542 | -0.008 | 2.553 | -0.022 | 2.542 | -0.008 | 2.553 | -0.022 |
| 0.572 | -0.044 | 0.597 | -0.004 | 0.623 | 0.066 | 0.642 | 0.150 | 2.587 | 0.070 | 2.607 | 0.058 | 2.587 | 0.070 | 2.607 | 0.058 | 2.587 | 0.070 | 2.607 | 0.058 |
| 0.555 | 0.172 | 0.663 | 0.159 | 0.677 | 0.075 | 0.688 | 0.040 | 2.646 | 0.082 | 2.653 | 0.130 | 2.646 | 0.082 | 2.653 | 0.130 | 2.646 | 0.082 | 2.653 | 0.130 |
| 0.701 | 0.009 | 0.715 | 0.216 | 0.722 | 0.233 | 0.730 | 0.215 | 2.654 | 0.103 | 2.701 | 0.050 | 2.654 | 0.103 | 2.701 | 0.050 | 2.654 | 0.103 | 2.701 | 0.050 |
| 0.806 | -0.146 | 0.819 | -0.014 | 0.829 | 0.108 | 0.837 | 0.126 | 2.748 | -0.314 | 2.760 | -0.257 | 2.748 | -0.314 | 2.760 | -0.257 | 2.748 | -0.314 | 2.760 | -0.257 |
| 0.848 | 0.108 | 0.860 | 0.033 | 0.870 | 0.006 | 0.879 | 0.032 | 2.759 | 0.000 | 2.807 | 0.005 | 2.759 | 0.000 | 2.807 | 0.005 | 2.759 | 0.000 | 2.807 | 0.005 |
| 0.899 | 0.242 | 0.908 | 0.276 | 0.915 | 0.258 | 0.933 | 0.069 | 2.849 | 0.083 | 2.864 | 0.101 | 2.849 | 0.083 | 2.864 | 0.101 | 2.849 | 0.083 | 2.864 | 0.101 |
| 0.947 | -0.120 | 0.959 | -0.217 | 0.970 | -0.244 | 0.983 | -0.214 | 2.900 | -0.241 | 2.908 | -0.267 | 2.900 | -0.241 | 2.908 | -0.267 | 2.900 | -0.241 | 2.908 | -0.267 |
| 1.002 | -0.123 | 1.024 | -0.085 | 1.037 | -0.080 | 1.049 | -0.050 | 2.936 | -0.079 | 2.952 | -0.066 | 2.936 | -0.079 | 2.952 | -0.066 | 2.936 | -0.079 | 2.952 | -0.066 |
| 1.060 | 0.007 | 1.078 | 0.015 | 1.087 | -0.007 | 1.105 | -0.086 | 3.037 | 0.167 | 3.049 | 0.153 | 3.037 | 0.167 | 3.049 | 0.153 | 3.037 | 0.167 | 3.049 | 0.153 |
| 1.117 | -0.122 | 1.131 | -0.082 | 1.144 | 0.005 | 1.154 | 0.009 | 3.117 | -0.013 | 3.125 | 0.051 | 3.117 | -0.013 | 3.125 | 0.051 | 3.117 | -0.013 | 3.125 | 0.051 |
| 1.163 | -0.026 | 1.173 | -0.087 | 1.182 | -0.105 | 1.191 | -0.078 | 3.159 | 0.225 | 3.171 | 0.154 | 3.159 | 0.225 | 3.171 | 0.154 | 3.159 | 0.225 | 3.171 | 0.154 |
| 1.216 | 0.071 | 1.224 | 0.111 | 1.238 | 0.111 | 1.257 | 0.089 | 3.211 | 0.142 | 3.220 | 0.150 | 3.211 | 0.142 | 3.220 | 0.150 | 3.211 | 0.142 | 3.220 | 0.150 |
| 1.273 | 0.010 | 1.284 | -0.012 | 1.298 | -0.012 | 1.314 | -0.012 | 3.254 | -0.009 | 3.269 | -0.038 | 3.254 | -0.009 | 3.269 | -0.038 | 3.254 | -0.009 | 3.269 | -0.038 |
| 1.330 | -0.025 | 1.346 | -0.012 | 1.352 | 0.018 | 1.374 | 0.066 | 3.310 | 0.134 | 3.325 | -0.011 | 3.310 | 0.134 | 3.325 | -0.011 | 3.310 | 0.134 | 3.325 | -0.011 |
| 1.387 | 0.035 | 1.401 | -0.030 | 1.409 | -0.057 | 1.419 | -0.026 | 3.380 | -0.150 | 3.390 | -0.159 | 3.380 | -0.150 | 3.390 | -0.159 | 3.380 | -0.150 | 3.390 | -0.159 |
| 1.432 | -0.057 | 1.446 | 0.074 | 1.454 | 0.065 | 1.469 | -0.036 | 3.439 | -0.237 | 3.453 | -0.211 | 3.439 | -0.237 | 3.453 | -0.211 | 3.439 | -0.237 | 3.453 | -0.211 |
| 1.479 | 0.107 | 1.493 | -0.124 | 1.508 | -0.085 | 1.523 | 0.037 | 3.502 | 0.013 | 3.510 | 0.013 | 3.502 | 0.013 | 3.510 | 0.013 | 3.502 | 0.013 | 3.510 | 0.013 |
| 1.537 | -0.002 | 1.555 | 0.010 | 1.572 | 0.028 | 1.589 | 0.036 | 3.544 | -0.171 | 3.557 | -0.110 | 3.544 | -0.171 | 3.557 | -0.110 | 3.544 | -0.171 | 3.557 | -0.110 |
| 1.604 | 0.014 | 1.615 | -0.030 | 1.631 | -0.091 | 1.646 | -0.052 | 3.595 | 0.083 | 3.605 | 0.082 | 3.595 | 0.083 | 3.605 | 0.082 | 3.595 | 0.083 | 3.605 | 0.082 |
| 1.658 | 0.058 | 1.668 | 0.093 | 1.671 | 0.101 | 1.682 | 0.049 | 3.637 | 0.188 | 3.650 | 0.139 | 3.637 | 0.188 | 3.650 | 0.139 | 3.637 | 0.188 | 3.650 | 0.139 |
| 1.693 | -0.109 | 1.702 | -0.223 | 1.709 | -0.245 | 1.715 | -0.223 | 3.702 | -0.050 | 3.713 | -0.029 | 3.702 | -0.050 | 3.713 | -0.029 | 3.702 | -0.050 | 3.713 | -0.029 |
| 1.733 | -0.013 | 1.742 | 0.044 | 1.753 | 0.065 | 1.774 | 0.047 | 3.757 | -0.178 | 3.766 | -0.152 | 3.757 | -0.178 | 3.766 | -0.152 | 3.757 | -0.178 | 3.766 | -0.152 |
| 1.785 | 0.065 | 1.800 | 0.143 | 1.808 | 0.183 | 1.816 | 0.204 | 3.811 | 0.160 | 3.821 | 0.212 | 3.811 | 0.160 | 3.821 | 0.212 | 3.811 | 0.160 | 3.821 | 0.212 |
| 1.839 | 0.169 | 1.855 | 0.138 | 1.860 | 0.090 | 1.875 | -0.012 | 3.877 | 0.100 | 3.882 | 0.039 | 3.877 | 0.100 | 3.882 | 0.039 | 3.877 | 0.100 | 3.882 | 0.039 |
| 1.882 | -0.042 | 1.900 | -0.038 | 1.919 | -0.025 | 1.929 | -0.004 | 3.939 | -0.084 | 3.948 | -0.045 | 3.939 | -0.084 | 3.948 | -0.045 | 3.939 | -0.084 | 3.948 | -0.045 |
| 1.946 | 0.088 | 1.955 | 0.101 | 1.964 | 0.079 | 1.975 | 0.048 | 3.993 | -0.015 | 4.005 | -0.015 | 3.993 | -0.015 | 4.005 | -0.015 | 3.993 | -0.015 | 4.005 | -0.015 |
| | | | | | | | | 4.043 | 0.028 | 4.063 | 0.046 | 4.043 | 0.028 | 4.063 | 0.046 | 4.043 | 0.028 | 4.063 | 0.046 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 4.116 | -0.123 | 4.121 | -0.127 | 4.131 | -0.110 | 4.141 | -0.071 | 6.924 | -0.229 | 6.930 | -0.155 | 6.940 | -0.124 | 6.951 | -0.124 |
| 4.112 | -0.067 | 4.159 | -0.080 | 4.171 | -0.138 | 4.178 | -0.160 | 6.961 | -0.128 | 6.975 | -0.071 | 6.992 | 0.003 | 7.008 | 0.025 |
| 4.199 | -0.116 | 4.205 | -0.007 | 4.215 | -0.041 | 4.231 | -0.062 | 7.031 | 0.025 | 7.031 | 0.034 | 7.042 | 0.153 | 7.057 | 0.253 |
| 4.242 | 0.123 | 4.253 | 0.224 | 4.264 | 0.263 | 4.281 | 0.209 | 7.066 | 0.262 | 7.111 | -0.066 | 7.087 | 0.030 | 7.096 | -0.075 |
| 4.255 | 0.121 | 4.307 | 0.007 | 4.319 | -0.117 | 4.330 | -0.134 | 7.103 | -0.097 | 7.160 | 0.025 | 7.130 | 0.136 | 7.141 | -0.162 |
| 4.342 | -0.055 | 4.360 | 0.022 | 4.369 | 0.044 | 4.378 | 0.017 | 7.148 | -0.140 | 7.160 | 0.025 | 7.167 | -0.013 | 7.175 | -0.035 |
| 4.390 | -0.080 | 4.398 | 0.126 | 4.410 | -0.172 | 4.425 | -0.138 | 7.181 | -0.013 | 7.157 | 0.025 | 7.206 | 0.145 | 7.212 | 0.123 |
| 4.437 | -0.041 | 4.449 | 0.121 | 4.461 | 0.155 | 4.466 | 0.129 | 7.224 | 0.044 | 7.237 | -0.004 | 7.250 | 0.044 | 7.267 | 0.228 |
| 4.477 | -0.051 | 4.490 | -0.200 | 4.500 | -0.233 | 4.511 | -0.345 | 7.281 | 0.324 | 7.255 | 0.351 | 7.300 | 0.320 | 7.316 | 0.245 |
| 4.521 | -0.359 | 4.535 | -0.302 | 4.550 | -0.175 | 4.572 | -0.000 | 7.334 | 0.224 | 7.346 | 0.180 | 7.366 | -0.009 | 7.381 | -0.088 |
| 4.555 | 0.043 | 4.593 | 0.017 | 4.607 | -0.045 | 4.612 | -0.050 | 7.352 | -0.110 | 7.416 | -0.049 | 7.434 | -0.063 | 7.460 | -0.028 |
| 4.626 | 0.003 | 4.639 | 0.121 | 4.651 | 0.138 | 4.662 | 0.085 | 7.471 | -0.002 | 7.488 | 0.120 | 7.500 | 0.217 | 7.511 | 0.243 |
| 4.682 | -0.043 | 4.690 | -0.060 | 4.702 | 0.009 | 4.712 | 0.053 | 7.522 | 0.181 | 7.536 | 0.071 | 7.553 | -0.135 | 7.566 | -0.324 |
| 4.731 | 0.105 | 4.746 | 0.148 | 4.762 | 0.222 | 4.770 | 0.239 | 7.575 | -0.399 | 7.582 | -0.412 | 7.582 | -0.329 | 7.621 | -0.172 |
| 4.781 | 0.217 | 4.796 | 0.133 | 4.807 | 0.095 | 4.821 | 0.075 | 7.643 | -0.002 | 7.670 | 0.081 | 7.650 | 0.159 | 7.710 | 0.202 |
| 4.836 | 0.079 | 4.847 | 0.061 | 4.858 | 0.008 | 4.870 | -0.159 | 7.728 | 0.215 | 7.741 | 0.215 | 7.754 | 0.184 | 7.768 | 0.047 |
| 4.882 | -0.326 | 4.897 | -0.401 | 4.905 | -0.358 | 4.922 | -0.253 | 7.780 | -0.063 | 7.785 | -0.111 | 7.799 | -0.137 | 7.810 | -0.102 |
| 4.934 | -0.223 | 4.957 | -0.197 | 4.969 | -0.163 | 4.977 | -0.053 | 7.826 | 0.042 | 7.937 | 0.051 | 7.853 | 0.183 | 7.867 | 0.196 |
| 4.990 | 0.034 | 4.998 | 0.056 | 5.012 | 0.046 | 5.041 | 0.045 | 7.884 | 0.169 | 7.907 | 0.125 | 7.919 | 0.165 | 7.934 | 0.191 |
| 5.053 | 0.080 | 5.072 | 0.141 | 5.080 | 0.141 | 5.090 | 0.110 | 7.939 | 0.174 | 7.954 | 0.011 | 7.968 | -0.186 | 7.979 | -0.239 |
| 5.103 | 0.052 | 5.120 | 0.030 | 5.130 | -0.019 | 5.138 | -0.067 | 8.040 | -0.050 | 8.057 | -0.124 | 8.069 | -0.185 | 8.081 | -0.259 |
| 5.144 | -0.089 | 5.156 | -0.041 | 5.169 | 0.035 | 5.175 | 0.143 | 8.092 | -0.325 | 8.102 | -0.360 | 8.114 | -0.351 | 8.124 | -0.325 |
| 5.186 | 0.160 | 5.199 | 0.125 | 5.216 | 0.086 | 5.234 | 0.103 | 8.309 | 0.056 | 8.320 | 0.052 | 8.347 | 0.070 | 8.356 | 0.070 |
| 5.232 | 0.059 | 5.283 | -0.038 | 5.300 | -0.066 | 5.314 | -0.143 | 8.132 | -0.224 | 8.149 | 0.049 | 8.154 | 0.047 | 8.162 | 0.106 |
| 5.338 | -0.165 | 5.338 | -0.109 | 5.356 | 0.045 | 5.373 | 0.190 | 8.174 | 0.071 | 8.188 | -0.008 | 8.204 | -0.047 | 8.213 | -0.047 |
| 5.378 | 0.229 | 5.387 | 0.247 | 5.397 | 0.212 | 5.408 | 0.094 | 8.242 | -0.024 | 8.262 | 0.024 | 8.285 | 0.042 | 8.301 | 0.056 |
| 5.419 | 0.046 | 5.433 | -0.047 | 5.442 | -0.020 | 5.452 | 0.032 | 8.309 | 0.031 | 8.376 | -0.021 | 8.390 | -0.030 | 8.404 | 0.066 |
| 5.460 | 0.046 | 5.466 | 0.019 | 5.479 | 0.134 | 5.492 | -0.274 | 8.376 | 0.031 | 8.435 | 0.064 | 8.447 | 0.031 | 8.459 | 0.008 |
| 5.500 | -0.309 | 5.511 | -0.257 | 5.527 | -0.002 | 5.534 | 0.077 | 8.420 | 0.055 | 8.435 | 0.064 | 8.447 | 0.031 | 8.459 | 0.008 |
| 5.543 | 0.107 | 5.549 | 0.086 | 5.559 | 0.011 | 5.568 | -0.077 | 8.470 | -0.053 | 8.480 | -0.079 | 8.491 | -0.031 | 8.502 | 0.088 |
| 5.590 | -0.142 | 5.599 | -0.203 | 5.608 | -0.168 | 5.623 | -0.032 | 8.514 | 0.207 | 8.521 | 0.225 | 8.531 | 0.212 | 8.548 | 0.182 |
| 5.638 | 0.038 | 5.646 | 0.060 | 5.668 | 0.052 | 5.697 | 0.070 | 8.558 | 0.173 | 8.576 | 0.205 | 8.585 | 0.210 | 8.603 | 0.215 |
| 5.713 | 0.070 | 5.726 | 0.053 | 5.744 | 0.035 | 5.760 | 0.071 | 8.616 | 0.190 | 8.630 | 0.107 | 8.645 | 0.069 | 8.663 | 0.035 |
| 5.791 | 0.159 | 5.791 | 0.181 | 5.812 | 0.133 | 5.816 | -0.133 | 8.681 | -0.030 | 8.658 | -0.060 | 8.721 | -0.072 | 8.729 | -0.128 |
| 5.832 | 0.146 | 5.851 | 0.058 | 5.867 | 0.041 | 5.876 | 0.015 | 8.740 | -0.202 | 8.750 | -0.224 | 8.762 | -0.166 | 8.780 | -0.166 |
| 5.893 | 0.033 | 5.907 | 0.007 | 5.917 | -0.059 | 5.933 | -0.177 | 8.796 | 0.130 | 8.814 | 0.263 | 8.827 | 0.329 | 8.838 | 0.339 |
| 5.941 | -0.243 | 5.957 | -0.291 | 5.968 | -0.260 | 5.981 | -0.173 | 8.848 | 0.267 | 8.857 | 0.204 | 8.873 | -0.010 | 8.881 | -0.084 |
| 5.989 | -0.138 | 6.001 | -0.164 | 6.017 | -0.181 | 6.030 | -0.129 | 8.893 | -0.118 | 8.905 | -0.126 | 8.920 | -0.178 | 8.932 | -0.208 |
| 6.044 | 0.038 | 6.056 | 0.257 | 6.063 | 0.310 | 6.071 | 0.376 | 8.949 | -0.273 | 8.956 | -0.266 | 8.972 | -0.215 | 9.002 | 0.058 |
| 6.080 | 0.358 | 6.095 | 0.367 | 6.104 | 0.301 | 6.116 | 0.253 | 9.020 | 0.085 | 9.033 | 0.072 | 9.048 | 0.046 | 9.060 | 0.134 |
| 6.121 | 0.235 | 6.131 | 0.253 | 6.144 | 0.279 | 6.155 | 0.292 | 9.069 | 0.192 | 9.080 | 0.210 | 9.094 | 0.157 | 9.101 | 0.074 |
| 6.164 | 0.266 | 6.182 | 0.108 | 6.198 | -0.059 | 6.210 | -0.125 | 9.109 | -0.009 | 9.117 | -0.039 | 9.129 | -0.008 | 9.138 | 0.010 |
| 6.222 | -0.169 | 6.237 | -0.173 | 6.260 | -0.156 | 6.267 | -0.085 | 9.150 | -0.056 | 9.163 | -0.125 | 9.175 | -0.166 | 9.185 | -0.103 |
| 6.281 | 0.046 | 6.293 | 0.086 | 6.321 | 0.090 | 6.338 | 0.107 | 9.197 | 0.021 | 9.210 | 0.060 | 9.224 | 0.000 | 9.234 | -0.079 |
| 6.348 | 0.090 | 6.361 | 0.037 | 6.369 | 0.033 | 6.383 | 0.064 | 9.240 | -0.157 | 9.247 | -0.170 | 9.261 | -0.113 | 9.271 | -0.042 |
| 6.385 | 0.033 | 6.412 | -0.065 | 6.420 | -0.186 | 6.432 | -0.239 | 9.288 | 0.038 | 9.292 | 0.051 | 9.297 | 0.060 | 9.302 | 0.056 |
| 6.449 | -0.190 | 6.468 | 0.034 | 6.486 | 0.091 | 6.499 | 0.043 | 9.311 | 0.051 | 9.319 | 0.047 | 9.329 | 0.047 | 9.339 | 0.073 |
| 6.520 | -0.023 | 6.535 | -0.066 | 6.554 | -0.110 | 6.560 | -0.118 | 9.349 | 0.126 | 9.356 | 0.161 | 9.362 | 0.165 | 9.368 | 0.148 |
| 6.568 | -0.074 | 6.581 | 0.119 | 6.591 | 0.303 | 6.597 | 0.360 | 9.374 | 0.104 | 9.381 | 0.029 | 9.390 | -0.063 | 9.397 | -0.120 |
| 6.608 | 0.378 | 6.619 | 0.347 | 6.637 | 0.260 | 6.649 | 0.164 | 9.405 | -0.138 | 9.416 | -0.142 | 9.426 | -0.142 | 9.436 | -0.125 |
| 6.657 | 0.120 | 6.669 | 0.102 | 6.684 | 0.116 | 6.695 | 0.098 | 9.444 | -0.098 | 9.454 | -0.059 | 9.463 | -0.028 | 9.477 | 0.011 |
| 6.705 | 0.028 | 6.715 | -0.015 | 6.723 | 0.020 | 6.735 | 0.112 | 9.487 | 0.037 | 9.493 | 0.051 | 9.506 | 0.046 | 9.514 | 0.033 |
| 6.745 | 0.134 | 6.760 | 0.108 | 6.774 | 0.108 | 6.786 | 0.073 | 9.525 | 0.029 | 9.533 | 0.011 | 9.541 | -0.045 | 9.551 | -0.124 |
| 6.805 | -0.023 | 6.811 | -0.041 | 6.823 | -0.001 | 6.842 | 0.165 | 9.560 | -0.181 | 9.567 | -0.207 | 9.574 | -0.225 | 9.583 | -0.238 |
| 6.851 | 0.218 | 6.858 | 0.227 | 6.866 | 0.205 | 6.871 | 0.113 | 9.588 | -0.225 | 9.596 | -0.185 | 9.605 | -0.128 | 9.613 | -0.110 |
| 6.885 | -0.203 | 6.894 | -0.352 | 6.904 | -0.356 | 6.910 | -0.356 | 9.622 | -0.106 | 9.631 | -0.128 | 9.641 | -0.136 | 9.649 | -0.128 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9.659 | -0.062 | 9.668 | 0.009 | 9.676 | 0.101 | 9.682 | 0.141 | 11.792 | -0.075 | 11.798 | -0.000 | 11.808 | 0.057 | 11.816 | 0.083 |
| 9.690 | 0.158 | 9.696 | 0.150 | 9.705 | 0.123 | 9.713 | 0.075 | 11.825 | 0.096 | 11.835 | 0.083 | 11.845 | 0.039 | 11.853 | -0.036 |
| 9.723 | 0.054 | 9.731 | 0.063 | 9.741 | 0.065 | 9.748 | 0.058 | 11.861 | -0.075 | 11.870 | -0.102 | 11.882 | -0.085 | 11.890 | -0.063 |
| 9.756 | 0.081 | 9.765 | 0.002 | 9.771 | -0.077 | 9.781 | -0.138 | 11.899 | -0.054 | 11.907 | -0.067 | 11.917 | -0.098 | 11.930 | -0.125 |
| 9.787 | -0.212 | 9.796 | -0.212 | 9.804 | -0.199 | 9.814 | -0.172 | 11.944 | -0.142 | 11.955 | -0.156 | 11.969 | -0.160 | 11.978 | -0.138 |
| 9.826 | -0.120 | 9.831 | -0.093 | 9.839 | -0.064 | 9.845 | -0.119 | 11.988 | -0.103 | 11.999 | -0.088 | 12.009 | -0.046 | 12.025 | 0.112 |
| 9.853 | -0.115 | 9.860 | -0.110 | 9.871 | -0.066 | 9.877 | -0.027 | 12.023 | 0.134 | 12.045 | 0.148 | 12.056 | 0.134 | 12.065 | 0.130 |
| 9.867 | -0.013 | 9.893 | 0.013 | 9.903 | 0.013 | 9.910 | -0.022 | 12.070 | 0.117 | 12.078 | 0.135 | 12.089 | 0.179 | 12.102 | 0.205 |
| 9.914 | -0.070 | 9.921 | -0.101 | 9.933 | -0.119 | 9.939 | -0.101 | 12.110 | 0.214 | 12.120 | 0.157 | 12.128 | 0.162 | 12.138 | 0.101 |
| 9.950 | -0.000 | 9.952 | 0.079 | 9.958 | 0.175 | 9.968 | 0.271 | 12.146 | 0.049 | 12.154 | 0.040 | 12.167 | 0.028 | 12.178 | -0.003 |
| 9.975 | 0.302 | 9.985 | 0.311 | 9.995 | 0.315 | 10.000 | 0.293 | 12.190 | -0.046 | 12.200 | -0.063 | 12.211 | -0.072 | 12.223 | -0.067 |
| 10.009 | 0.223 | 10.019 | 0.118 | 10.026 | 0.061 | 10.036 | 0.022 | 12.237 | -0.040 | 12.248 | 0.068 | 12.260 | 0.065 | 12.273 | 0.118 |
| 10.045 | 0.039 | 10.057 | 0.092 | 10.067 | 0.127 | 10.075 | 0.077 | 12.281 | 0.140 | 12.289 | 0.131 | 12.303 | 0.123 | 12.316 | 0.123 |
| 10.082 | 0.056 | 10.090 | 0.026 | 10.101 | -0.088 | 10.109 | -0.189 | 12.327 | 0.114 | 12.342 | 0.064 | 12.355 | 0.049 | 12.368 | 0.010 |
| 10.118 | -0.294 | 10.127 | -0.377 | 10.137 | -0.355 | 10.142 | -0.369 | 12.379 | -0.034 | 12.388 | -0.051 | 12.401 | -0.064 | 12.413 | -0.099 |
| 10.157 | 0.285 | 10.165 | -0.158 | 10.173 | -0.040 | 10.182 | 0.039 | 12.427 | -0.121 | 12.438 | -0.125 | 12.450 | -0.112 | 12.463 | -0.058 |
| 10.186 | 0.057 | 10.191 | 0.061 | 10.198 | 0.048 | 10.204 | 0.004 | 12.474 | -0.111 | 12.482 | -0.146 | 12.494 | -0.194 | 12.506 | -0.234 |
| 10.215 | -0.088 | 10.223 | -0.136 | 10.231 | -0.158 | 10.239 | -0.141 | 12.519 | -0.247 | 12.532 | -0.229 | 12.543 | -0.202 | 12.552 | -0.180 |
| 10.247 | -0.114 | 10.260 | -0.101 | 10.274 | -0.075 | 10.286 | -0.048 | 12.567 | -0.158 | 12.580 | -0.169 | 12.591 | -0.056 | 12.605 | -0.008 |
| 10.257 | -0.044 | 10.312 | -0.031 | 10.328 | 0.004 | 10.337 | 0.031 | 12.612 | -0.065 | 12.620 | -0.068 | 12.632 | -0.038 | 12.641 | -0.046 |
| 10.344 | 0.039 | 10.354 | 0.022 | 10.369 | -0.026 | 10.383 | -0.093 | 12.651 | -0.029 | 12.661 | 0.004 | 12.668 | -0.050 | 12.675 | -0.068 |
| 10.354 | -0.088 | 10.405 | -0.154 | 10.418 | -0.193 | 10.427 | -0.215 | 12.683 | 0.095 | 12.694 | 0.011 | 12.708 | -0.028 | 12.721 | -0.046 |
| 10.439 | -0.246 | 10.445 | -0.254 | 10.455 | -0.237 | 10.464 | -0.189 | 12.731 | -0.050 | 12.745 | -0.037 | 12.759 | -0.019 | 12.770 | -0.025 |
| 10.472 | -0.127 | 10.478 | -0.079 | 10.488 | -0.048 | 10.494 | -0.044 | 12.780 | 0.034 | 12.787 | 0.021 | 12.797 | -0.019 | 12.805 | -0.049 |
| 10.504 | -0.048 | 10.512 | -0.048 | 10.519 | -0.018 | 10.531 | 0.022 | 12.823 | -0.036 | 12.836 | -0.045 | 12.855 | -0.045 | 12.868 | -0.027 |
| 10.535 | 0.039 | 10.554 | 0.044 | 10.572 | 0.053 | 10.580 | 0.052 | 12.879 | -0.001 | 12.886 | -0.013 | 12.899 | -0.000 | 12.911 | -0.035 |
| 10.593 | 0.022 | 10.605 | -0.040 | 10.616 | -0.106 | 10.624 | -0.145 | 12.926 | -0.066 | 12.945 | -0.079 | 12.959 | -0.074 | 12.975 | -0.057 |
| 10.632 | -0.163 | 10.644 | -0.136 | 10.657 | -0.093 | 10.669 | -0.093 | 12.987 | -0.026 | 12.997 | -0.017 | 13.014 | -0.025 | 13.029 | -0.025 |
| 10.677 | 0.012 | 10.686 | 0.109 | 10.698 | 0.210 | 10.706 | 0.245 | 13.043 | -0.024 | 13.053 | 0.002 | 13.066 | -0.051 | 13.074 | 0.069 |
| 10.716 | 0.240 | 10.725 | 0.231 | 10.740 | 0.209 | 10.749 | 0.174 | 13.087 | 0.073 | 13.103 | 0.087 | 13.121 | 0.088 | 13.130 | 0.110 |
| 10.760 | 0.109 | 10.772 | 0.030 | 10.781 | -0.054 | 10.790 | -0.128 | 13.142 | 0.158 | 13.150 | 0.181 | 13.156 | 0.189 | 13.162 | 0.181 |
| 10.799 | -0.185 | 10.807 | -0.207 | 10.819 | -0.189 | 10.831 | -0.145 | 13.175 | 0.137 | 13.189 | 0.061 | 13.204 | 0.029 | 13.217 | 0.007 |
| 10.846 | -0.097 | 10.857 | -0.044 | 10.871 | -0.022 | 10.883 | 0.039 | 13.228 | 0.021 | 13.236 | 0.034 | 13.244 | 0.052 | 13.253 | 0.061 |
| 10.856 | 0.097 | 10.867 | 0.184 | 10.891 | 0.245 | 10.926 | 0.234 | 13.262 | 0.044 | 13.275 | -0.013 | 13.285 | -0.087 | 13.294 | -0.117 |
| 10.932 | 0.245 | 10.944 | 0.211 | 10.957 | 0.163 | 10.971 | 0.119 | 13.302 | -0.126 | 13.317 | -0.112 | 13.329 | -0.085 | 13.344 | -0.058 |
| 10.983 | 0.110 | 10.995 | 0.115 | 11.004 | 0.094 | 11.017 | 0.054 | 13.356 | -0.045 | 13.371 | -0.053 | 13.387 | -0.066 | 13.407 | -0.056 |
| 11.077 | 0.147 | 11.089 | 0.134 | 11.103 | 0.117 | 11.118 | 0.122 | 13.424 | -0.127 | 13.437 | -0.153 | 13.447 | -0.161 | 13.460 | -0.149 |
| 11.132 | 0.109 | 11.143 | 0.074 | 11.153 | -0.000 | 11.160 | -0.044 | 13.473 | -0.127 | 13.482 | -0.166 | 13.494 | -0.124 | 13.510 | -0.129 |
| 11.167 | -0.061 | 11.182 | -0.052 | 11.189 | -0.048 | 11.199 | -0.061 | 13.520 | -0.116 | 13.534 | -0.068 | 13.547 | -0.025 | 13.561 | -0.001 |
| 11.208 | -0.069 | 11.220 | -0.030 | 11.227 | 0.023 | 11.237 | 0.098 | 13.572 | -0.013 | 13.585 | 0.008 | 13.601 | -0.006 | 13.616 | -0.007 |
| 11.245 | 0.168 | 11.253 | 0.203 | 11.262 | 0.217 | 11.267 | 0.195 | 13.629 | -0.003 | 13.647 | -0.040 | 13.662 | -0.080 | 13.674 | -0.093 |
| 11.279 | 0.142 | 11.290 | 0.086 | 11.298 | 0.029 | 11.307 | -0.059 | 13.685 | -0.071 | 13.701 | -0.039 | 13.714 | 0.016 | 13.728 | 0.047 |
| 11.313 | -0.138 | 11.320 | -0.178 | 11.325 | -0.186 | 11.333 | -0.169 | 13.740 | 0.073 | 13.751 | 0.081 | 13.761 | 0.068 | 13.775 | 0.029 |
| 11.343 | -0.107 | 11.354 | -0.028 | 11.364 | 0.033 | 11.372 | 0.085 | 13.784 | -0.029 | 13.806 | -0.042 | 13.824 | -0.050 | 13.839 | -0.054 |
| 11.399 | 0.094 | 11.388 | 0.077 | 11.399 | 0.072 | 11.412 | 0.085 | 13.849 | -0.041 | 13.866 | -0.006 | 13.881 | 0.029 | 13.897 | 0.065 |
| 11.426 | 0.134 | 11.441 | 0.221 | 11.454 | 0.300 | 11.459 | 0.327 | 13.912 | 0.104 | 13.925 | 0.122 | 13.944 | 0.140 | 13.960 | 0.171 |
| 11.473 | 0.340 | 11.471 | 0.327 | 11.477 | 0.287 | 11.486 | 0.221 | 13.978 | 0.186 | 13.978 | 0.206 | 13.986 | 0.189 | 14.005 | 0.154 |
| 11.495 | 0.182 | 11.502 | 0.173 | 11.515 | 0.147 | 11.524 | 0.090 | 14.022 | 0.119 | 14.042 | 0.084 | 14.057 | 0.071 | 14.077 | 0.062 |
| 11.536 | 0.037 | 11.547 | -0.033 | 11.559 | -0.085 | 11.569 | -0.107 | 14.053 | -0.058 | 14.107 | -0.036 | 14.124 | -0.011 | 14.139 | -0.050 |
| 11.568 | 0.100 | 11.578 | -0.067 | 11.594 | -0.028 | 11.602 | 0.060 | 14.153 | -0.058 | 14.163 | -0.044 | 14.173 | -0.013 | 14.182 | -0.005 |
| 11.629 | 0.210 | 11.637 | 0.201 | 11.643 | 0.170 | 11.652 | 0.114 | 14.193 | -0.016 | 14.203 | -0.076 | 14.216 | -0.144 | 14.227 | -0.195 |
| 11.662 | 0.074 | 11.672 | 0.044 | 11.684 | 0.035 | 11.697 | 0.004 | 14.234 | -0.199 | 14.247 | -0.189 | 14.254 | -0.143 | 14.264 | -0.058 |
| 11.706 | -0.031 | 11.713 | -0.070 | 11.726 | -0.092 | 11.742 | -0.057 | 14.274 | -0.076 | 14.282 | -0.066 | 14.301 | -0.060 | 14.315 | -0.034 |
| 11.755 | -0.056 | 11.763 | -0.140 | 11.771 | -0.145 | 11.779 | -0.127 | 14.330 | -0.003 | 14.342 | -0.040 | 14.355 | -0.067 | 14.365 | -0.058 |
| | | | | | | | | 14.377 | 0.049 | 14.388 | 0.067 | 14.398 | 0.080 | 14.409 | 0.094 |
| | | | | | | | | 14.420 | 0.081 | 14.436 | 0.038 | 14.449 | 0.017 | 14.457 | 0.030 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 14.468 | 0.052 | 14.478 | 0.066 | 14.486 | 0.063 | 14.507 | 0.050 | 17.419 | -0.009 | 17.434 | -0.061 | 17.446 | -0.105 | 17.456 | -0.140 |
| 14.518 | 0.060 | 14.531 | 0.078 | 14.543 | 0.096 | 14.555 | 0.106 | 17.464 | -0.140 | 17.477 | -0.136 | 17.491 | -0.101 | 17.504 | -0.075 |
| 14.566 | 0.097 | 14.581 | 0.054 | 14.585 | 0.036 | 14.599 | 0.032 | 17.518 | -0.048 | 17.532 | -0.089 | 17.546 | -0.142 | 17.551 | -0.169 |
| 14.608 | 0.041 | 14.623 | 0.081 | 14.636 | 0.058 | 14.648 | 0.081 | 17.565 | -0.045 | 17.582 | -0.089 | 17.602 | -0.142 | 17.618 | -0.182 |
| 14.663 | 0.050 | 14.673 | 0.050 | 14.684 | 0.063 | 14.697 | 0.102 | 17.636 | -0.213 | 17.645 | -0.221 | 17.654 | -0.221 | 17.665 | -0.213 |
| 14.713 | 0.145 | 14.729 | 0.143 | 14.741 | 0.145 | 14.757 | 0.109 | 17.675 | -0.160 | 17.691 | -0.118 | 17.709 | -0.108 | 17.713 | -0.125 |
| 14.768 | 0.065 | 14.781 | 0.056 | 14.797 | 0.044 | 14.814 | 0.059 | 17.725 | -0.160 | 17.736 | -0.178 | 17.749 | -0.169 | 17.763 | -0.156 |
| 14.831 | 0.045 | 14.847 | 0.005 | 14.858 | -0.017 | 14.870 | -0.004 | 17.775 | -0.164 | 17.787 | -0.168 | 17.800 | -0.155 | 17.812 | -0.137 |
| 14.885 | 0.044 | 14.897 | 0.074 | 14.916 | 0.100 | 14.930 | 0.104 | 17.823 | -0.128 | 17.835 | -0.137 | 17.851 | -0.145 | 17.864 | -0.127 |
| 14.940 | 0.100 | 14.953 | 0.051 | 14.965 | -0.015 | 14.973 | -0.045 | 17.878 | -0.088 | 17.892 | -0.044 | 17.906 | -0.018 | 17.917 | -0.031 |
| 14.983 | -0.063 | 14.995 | -0.045 | 15.008 | -0.018 | 15.024 | -0.004 | 17.931 | -0.061 | 17.945 | -0.079 | 17.956 | -0.079 | 17.971 | -0.070 |
| 15.044 | 0.009 | 15.064 | 0.028 | 15.082 | 0.054 | 15.095 | 0.046 | 17.981 | -0.057 | 17.995 | -0.066 | 18.013 | -0.101 | 18.036 | -0.118 |
| 15.110 | 0.016 | 15.130 | 0.008 | 15.150 | -0.014 | 15.167 | -0.033 | 18.048 | -0.132 | 18.055 | -0.140 | 18.069 | -0.092 | 18.082 | -0.092 |
| 15.181 | -0.026 | 15.193 | 0.014 | 15.206 | 0.058 | 15.214 | 0.084 | 18.054 | -0.044 | 18.106 | -0.035 | 18.120 | -0.043 | 18.136 | -0.060 |
| 15.228 | 0.102 | 15.236 | 0.093 | 15.249 | 0.054 | 15.263 | -0.003 | 18.140 | -0.041 | 18.165 | -0.018 | 18.178 | -0.004 | 18.188 | -0.013 |
| 15.277 | -0.077 | 15.291 | -0.121 | 15.302 | -0.116 | 15.313 | -0.116 | 18.200 | -0.016 | 18.213 | -0.007 | 18.225 | -0.025 | 18.242 | -0.065 |
| 15.321 | -0.089 | 15.336 | -0.072 | 15.344 | -0.089 | 15.355 | -0.133 | 18.252 | -0.088 | 18.266 | 0.062 | 18.283 | 0.024 | 18.297 | -0.002 |
| 15.363 | -0.172 | 15.372 | -0.181 | 15.382 | -0.164 | 15.398 | -0.107 | 18.310 | -0.018 | 18.322 | -0.000 | 18.334 | 0.030 | 18.347 | 0.074 |
| 15.412 | -0.055 | 15.421 | -0.037 | 15.428 | -0.055 | 15.443 | -0.099 | 18.360 | -0.038 | 18.371 | -0.082 | 18.382 | -0.042 | 18.394 | 0.033 |
| 15.450 | -0.143 | 15.459 | -0.148 | 15.469 | -0.126 | 15.486 | -0.113 | 18.407 | 0.058 | 18.424 | 0.055 | 18.438 | -0.059 | 18.452 | 0.067 |
| 15.500 | -0.109 | 15.511 | -0.122 | 15.522 | -0.109 | 15.535 | -0.057 | 18.466 | 0.058 | 18.482 | 0.066 | 18.497 | -0.083 | 18.511 | -0.109 |
| 15.547 | -0.001 | 15.557 | 0.021 | 15.565 | 0.025 | 15.578 | -0.011 | 18.531 | 0.131 | 18.543 | 0.157 | 18.558 | 0.167 | 18.574 | 0.158 |
| 15.593 | -0.011 | 15.607 | 0.002 | 15.622 | 0.027 | 15.637 | 0.031 | 18.595 | 0.155 | 18.610 | 0.129 | 18.622 | -0.125 | 18.638 | 0.117 |
| 15.649 | 0.018 | 15.662 | -0.031 | 15.676 | -0.097 | 15.690 | -0.150 | 18.651 | 0.127 | 18.669 | 0.137 | 18.681 | -0.159 | 18.693 | -0.169 |
| 15.701 | -0.168 | 15.713 | -0.156 | 15.728 | -0.125 | 15.746 | -0.085 | 18.704 | 0.166 | 18.722 | 0.141 | 18.737 | -0.120 | 18.754 | -0.103 |
| 15.759 | -0.068 | 15.776 | -0.081 | 15.794 | -0.072 | 15.811 | -0.080 | 18.767 | 0.116 | 18.780 | 0.130 | 18.789 | -0.152 | 18.801 | -0.131 |
| 15.830 | -0.063 | 15.846 | -0.080 | 15.860 | -0.063 | 15.876 | -0.045 | 18.817 | 0.067 | 18.830 | 0.130 | 18.838 | -0.083 | 18.851 | -0.131 |
| 15.882 | -0.010 | 15.893 | 0.008 | 15.915 | 0.030 | 15.928 | -0.009 | 18.865 | 0.170 | 18.876 | 0.188 | 18.889 | -0.200 | 18.905 | -0.213 |
| 15.944 | 0.006 | 15.960 | -0.007 | 15.973 | -0.006 | 15.989 | 0.004 | 18.921 | 0.213 | 18.936 | 0.159 | 18.954 | -0.173 | 18.971 | -0.143 |
| 16.005 | 0.027 | 16.020 | 0.049 | 16.034 | 0.037 | 16.051 | 0.025 | 18.987 | 0.116 | 19.011 | 0.050 | 19.027 | -0.069 | 19.039 | 0.060 |
| 16.069 | 0.017 | 16.090 | 0.022 | 16.108 | 0.045 | 16.122 | 0.063 | 19.050 | 0.069 | 19.062 | 0.090 | 19.081 | -0.121 | 19.099 | -0.147 |
| 16.135 | 0.103 | 16.145 | 0.121 | 16.155 | 0.143 | 16.164 | 0.117 | 19.117 | 0.178 | 19.131 | 0.213 | 19.150 | -0.252 | 19.158 | -0.265 |
| 16.180 | 0.083 | 16.194 | 0.009 | 16.204 | -0.026 | 16.209 | -0.030 | 19.165 | 0.261 | 19.176 | 0.221 | 19.190 | -0.176 | 19.203 | -0.145 |
| 16.217 | -0.008 | 16.229 | 0.018 | 16.240 | 0.032 | 16.256 | 0.045 | 19.217 | 0.136 | 19.232 | 0.139 | 19.243 | -0.126 | 19.255 | -0.095 |
| 16.340 | 0.052 | 16.354 | 0.026 | 16.372 | 0.001 | 16.384 | -0.025 | 19.322 | 0.141 | 19.335 | 0.132 | 19.351 | -0.114 | 19.366 | -0.100 |
| 16.394 | 0.006 | 16.407 | 0.034 | 16.420 | 0.106 | 16.433 | 0.172 | 19.381 | 0.100 | 19.393 | 0.096 | 19.410 | -0.078 | 19.423 | -0.056 |
| 16.445 | 0.203 | 16.455 | 0.181 | 16.472 | 0.155 | 16.488 | 0.110 | 19.435 | 0.016 | 19.446 | 0.048 | 19.462 | -0.012 | 19.475 | -0.025 |
| 16.504 | 0.061 | 16.521 | 0.012 | 16.531 | -0.011 | 16.540 | -0.020 | 19.489 | 0.038 | 19.502 | 0.043 | 19.516 | -0.047 | 19.530 | -0.052 |
| 16.555 | -0.003 | 16.575 | 0.018 | 16.589 | -0.009 | 16.600 | -0.027 | 19.544 | 0.052 | 19.555 | 0.048 | 19.576 | -0.030 | 19.594 | -0.004 |
| 16.612 | 0.008 | 16.626 | 0.012 | 16.636 | 0.029 | 16.647 | 0.007 | 19.608 | -0.018 | 19.625 | -0.035 | 19.640 | -0.066 | 19.653 | -0.083 |
| 16.663 | -0.015 | 16.678 | -0.037 | 16.692 | -0.068 | 16.704 | -0.085 | 19.665 | -0.088 | 19.677 | -0.079 | 19.693 | -0.070 | 19.708 | -0.075 |
| 16.718 | -0.111 | 16.727 | -0.102 | 16.743 | -0.080 | 16.757 | -0.049 | 19.726 | -0.063 | 19.745 | -0.057 | 19.759 | -0.119 | 19.777 | -0.146 |
| 16.771 | -0.000 | 16.785 | 0.049 | 16.794 | 0.075 | 16.804 | 0.080 | 19.750 | -0.168 | 19.804 | -0.168 | 19.822 | -0.164 | 19.837 | -0.164 |
| 16.819 | 0.071 | 16.835 | 0.085 | 16.845 | 0.067 | 16.860 | 0.059 | 19.859 | -0.147 | 19.868 | -0.138 | 19.878 | -0.138 | 19.895 | -0.164 |
| 16.873 | 0.046 | 16.887 | 0.033 | 16.901 | 0.047 | 16.916 | 0.056 | 19.909 | -0.173 | 19.925 | -0.164 | 19.937 | -0.147 | 19.944 | -0.138 |
| 16.928 | 0.070 | 16.940 | 0.057 | 16.949 | 0.039 | 16.959 | 0.035 | 19.957 | -0.151 | 19.974 | -0.164 | 19.989 | -0.155 | 20.003 | -0.128 |
| 16.967 | 0.048 | 16.980 | 0.070 | 16.991 | 0.097 | 17.005 | 0.101 | 20.022 | -0.106 | 20.035 | -0.088 | 20.052 | -0.083 | 20.068 | -0.097 |
| 17.019 | 0.106 | 17.033 | 0.119 | 17.047 | 0.137 | 17.063 | 0.146 | 20.089 | -0.115 | 20.104 | -0.128 | 20.120 | -0.133 | 20.135 | -0.125 |
| 17.078 | 0.159 | 17.092 | 0.176 | 17.101 | 0.189 | 17.111 | 0.167 | 20.155 | -0.121 | 20.172 | -0.118 | 20.188 | -0.110 | 20.202 | -0.097 |
| 17.123 | 0.119 | 17.134 | 0.097 | 17.140 | 0.075 | 17.152 | 0.105 | 20.217 | -0.093 | 20.231 | -0.081 | 20.246 | -0.055 | 20.262 | -0.045 |
| 17.166 | 0.132 | 17.173 | 0.140 | 17.181 | 0.140 | 17.194 | 0.092 | 20.274 | -0.049 | 20.289 | -0.066 | 20.310 | -0.078 | 20.324 | -0.077 |
| 17.205 | 0.039 | 17.218 | 0.026 | 17.228 | 0.008 | 17.240 | 0.017 | 20.335 | -0.059 | 20.350 | -0.041 | 20.361 | -0.018 | 20.374 | -0.021 |
| 17.251 | 0.026 | 17.266 | 0.047 | 17.278 | 0.034 | 17.290 | 0.021 | 20.350 | -0.051 | 20.403 | -0.067 | 20.418 | -0.075 | 20.433 | -0.074 |
| 17.308 | 0.016 | 17.323 | 0.012 | 17.337 | 0.034 | 17.350 | 0.052 | 20.449 | -0.061 | 20.463 | -0.069 | 20.476 | -0.087 | 20.492 | -0.091 |
| 17.362 | 0.065 | 17.374 | 0.048 | 17.389 | 0.017 | 17.405 | 0.004 | 20.509 | -0.063 | 20.521 | -0.069 | 20.535 | -0.047 | 20.545 | -0.026 |

| | | | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 20.559 | -C.017 | 20.570 | -0.026 | 20.583 | -0.049 | 20.599 | -0.067 | 23.226 | C.012 | 23.236 | C.012 | 23.246 | C.043 | 23.261 | C.031 |
| 20.612 | -0.081 | 20.628 | -0.077 | 20.638 | -0.065 | 20.652 | -0.039 | 23.267 | C.018 | 23.278 | C.009 | 23.292 | C.023 | 23.304 | C.032 |
| 20.665 | -0.026 | 20.681 | -0.028 | 20.696 | -0.046 | 20.710 | -0.051 | 23.312 | C.024 | 23.323 | C.011 | 23.336 | C.037 | 23.344 | C.041 |
| 20.725 | -C.039 | 20.743 | -0.032 | 20.752 | -0.028 | 20.768 | -0.042 | 23.351 | -C.050 | 23.362 | -C.022 | 23.374 | -C.018 | 23.393 | -C.031 |
| 20.783 | -0.056 | 20.796 | -0.070 | 20.812 | -C.080 | 20.821 | -0.076 | 23.409 | -C.057 | 23.426 | -0.056 | 23.447 | -C.060 | 23.461 | -C.037 |
| 20.834 | -0.059 | 20.847 | -0.025 | 20.860 | -C.085 | 20.871 | 0.014 | 23.471 | -C.028 | 23.484 | -C.023 | 23.494 | -C.023 | 23.500 | -C.010 |
| 20.887 | C.010 | 20.901 | 0.009 | 20.916 | -0.018 | 20.928 | -0.031 | 23.510 | -C.031 | 23.521 | -C.057 | 23.528 | -C.053 | 23.538 | -C.065 |
| 20.940 | -0.018 | 20.953 | -0.013 | 20.967 | -0.061 | 20.976 | -C.067 | 23.553 | -C.047 | 23.559 | -C.043 | 23.570 | -C.025 | 23.584 | -C.020 |
| 20.986 | -C.014 | 20.998 | -0.099 | 21.013 | -0.067 | 21.026 | -0.040 | 23.594 | -C.007 | 23.608 | -C.015 | 23.624 | -C.014 | 23.633 | -C.027 |
| 21.042 | -0.031 | 21.058 | -0.008 | 21.072 | C.010 | 21.090 | 0.033 | 23.650 | -0.013 | 23.661 | -C.005 | 23.676 | C.010 | 23.692 | -C.012 |
| 21.101 | 0.042 | 21.114 | 0.043 | 21.127 | 0.039 | 21.144 | 0.048 | 23.712 | -C.002 | 23.730 | -C.041 | 23.748 | -0.027 | 23.763 | -0.044 |
| 21.158 | C.061 | 21.174 | 0.062 | 21.187 | 0.045 | 21.202 | 0.036 | 23.777 | -C.052 | 23.790 | -C.052 | 23.806 | -C.038 | 23.818 | -C.011 |
| 21.215 | -0.040 | 21.232 | 0.053 | 21.249 | 0.058 | 21.265 | 0.075 | 23.829 | C.003 | 23.843 | 0.008 | 23.863 | 0.013 | 23.880 | C.023 |
| 21.280 | C.097 | 21.296 | 0.109 | 21.309 | 0.103 | 21.325 | C.089 | 23.856 | C.028 | 23.875 | C.033 | 23.928 | 0.029 | 23.947 | C.021 |
| 21.342 | -0.057 | 21.359 | 0.025 | 21.369 | 0.003 | 21.381 | -0.066 | 23.982 | -0.022 | 23.976 | 0.014 | 23.985 | 0.001 | 24.003 | -C.012 |
| 21.393 | C.003 | 21.407 | 0.033 | 21.418 | 0.068 | 21.431 | 0.095 | 24.020 | -C.002 | 24.032 | C.025 | 24.044 | -C.038 | 24.052 | -C.024 |
| 21.442 | C.056 | 21.458 | 0.084 | 21.473 | 0.085 | 21.488 | 0.121 | 24.073 | C.031 | 24.088 | C.014 | 24.108 | -C.003 | 24.124 | -C.024 |
| 21.499 | 0.134 | 21.512 | 0.121 | 21.527 | 0.096 | 21.545 | C.070 | 24.139 | -C.019 | 24.154 | -C.010 | 24.164 | -C.001 | 24.175 | C.017 |
| 21.556 | C.061 | 21.572 | 0.070 | 21.584 | 0.062 | 21.598 | 0.053 | 24.194 | -C.022 | 24.211 | C.005 | 24.226 | C.006 | 24.240 | -C.003 |
| 21.613 | 0.054 | 21.628 | 0.076 | 21.641 | 0.093 | 21.654 | 0.080 | 24.260 | 0.002 | 24.283 | 0.007 | 24.283 | 0.021 | 24.298 | 0.021 |
| 21.669 | 0.058 | 21.687 | 0.032 | 21.701 | 0.032 | 21.717 | C.045 | 24.306 | C.064 | 24.330 | -C.004 | 24.356 | -C.012 | 24.372 | -C.038 |
| 21.730 | 0.054 | 21.747 | 0.055 | 21.764 | 0.068 | 21.777 | 0.072 | 24.387 | -0.042 | 24.398 | -C.055 | 24.417 | -C.058 | 24.430 | -C.049 |
| 21.786 | C.080 | 21.796 | 0.080 | 21.806 | 0.067 | 21.814 | 0.062 | 24.445 | -C.066 | 24.458 | -C.053 | 24.472 | -C.043 | 24.482 | -C.056 |
| *21.822 | C.053 | 21.830 | 0.044 | 21.841 | 0.052 | 21.849 | 0.065 | 24.489 | -C.008 | 24.495 | C.006 | 24.505 | C.015 | 24.513 | 0.024 |
| 21.867 | -0.052 | 21.877 | 0.039 | 21.886 | 0.030 | 21.900 | 0.043 | 24.525 | -0.002 | 24.535 | -C.011 | 24.543 | -C.019 | 24.552 | -C.023 |
| 21.909 | C.013 | 21.920 | 0.057 | 21.931 | 0.039 | 21.941 | 0.026 | 24.566 | -0.023 | 24.581 | -C.022 | 24.591 | -0.035 | 24.605 | -C.043 |
| 21.949 | C.013 | 21.962 | 0.009 | 21.970 | 0.000 | 21.988 | 0.005 | 24.617 | -0.034 | 24.642 | -C.008 | 24.642 | -C.003 | 24.658 | -C.028 |
| 21.998 | 0.018 | 22.004 | 0.032 | 22.015 | 0.045 | 22.022 | C.050 | 24.673 | -C.032 | 24.681 | -C.032 | 24.692 | -C.023 | 24.700 | C.004 |
| 22.032 | -0.032 | 22.041 | 0.015 | 22.050 | -0.002 | 22.064 | -0.019 | 24.718 | C.017 | 24.725 | C.000 | 24.737 | -C.026 | 24.745 | -C.034 |
| 22.077 | -C.001 | 22.089 | 0.012 | 22.101 | 0.021 | 22.110 | 0.008 | 24.760 | -0.043 | 24.766 | -0.042 | 24.783 | -C.024 | 24.785 | -C.011 |
| 22.120 | -0.005 | 22.137 | -0.030 | 22.154 | 0.017 | 22.163 | 0.008 | 24.802 | -C.001 | 24.813 | 0.012 | 24.827 | -C.005 | 24.840 | -C.026 |
| 22.215 | 0.012 | 22.227 | 0.038 | 22.239 | 0.029 | 22.250 | C.030 | 24.848 | -C.030 | 24.862 | -C.021 | 24.871 | -C.012 | 24.881 | -C.020 |
| 22.261 | 0.037 | 22.274 | 0.004 | 22.284 | -0.009 | 22.294 | -0.013 | 24.892 | -C.011 | 24.901 | C.020 | 24.917 | -C.010 | 24.925 | -C.014 |
| 22.303 | -0.013 | 22.316 | -0.004 | 22.337 | 0.010 | 22.348 | 0.015 | 24.943 | -C.044 | 24.959 | -C.039 | 24.971 | -C.043 | 24.982 | -C.042 |
| 22.358 | 0.028 | 22.367 | 0.033 | 22.377 | 0.042 | 22.383 | C.046 | 24.998 | -0.068 | 25.008 | -C.068 | 25.023 | -0.049 | 25.033 | -0.040 |
| 22.400 | 0.034 | 22.404 | 0.025 | 22.418 | 0.008 | 22.424 | -0.001 | 25.048 | -0.013 | 25.055 | C.005 | 25.065 | 0.014 | 25.080 | -C.012 |
| 22.437 | C.004 | 22.443 | 0.004 | 22.455 | -0.018 | 22.466 | -0.000 | 25.096 | -C.024 | 25.107 | -C.037 | 25.125 | -C.032 | 25.136 | -C.044 |
| 22.474 | -0.018 | 22.482 | -0.022 | 22.498 | -0.061 | 22.507 | -0.043 | 25.146 | -C.035 | 25.162 | -C.020 | 25.178 | -C.025 | 25.185 | -C.011 |
| 22.517 | -C.070 | 22.533 | -0.043 | 22.547 | -0.038 | 22.559 | -0.021 | 25.205 | -0.015 | 25.217 | -0.014 | 25.230 | 0.004 | 25.240 | C.022 |
| 22.573 | -0.025 | 22.581 | -0.016 | 22.588 | -0.007 | 22.599 | -0.002 | 25.247 | C.035 | 25.255 | C.058 | 25.265 | C.063 | 25.277 | C.041 |
| 22.612 | -0.007 | 22.619 | -0.011 | 22.628 | -0.046 | 22.639 | -0.037 | 25.289 | -0.007 | 25.302 | -0.019 | 25.313 | -C.005 | 25.328 | -C.005 |
| 22.643 | -0.059 | 22.651 | -0.063 | 22.654 | -0.063 | 22.666 | -0.063 | 25.340 | -0.013 | 25.352 | C.018 | 25.364 | -C.003 | 25.384 | C.067 |
| 22.681 | -0.049 | 22.693 | -0.053 | 22.702 | -0.093 | 22.714 | -0.088 | 25.395 | -0.028 | 25.409 | -C.019 | 25.416 | -C.031 | 25.428 | -C.035 |
| 22.721 | -0.092 | 22.733 | -0.075 | 22.743 | -0.057 | 22.755 | -0.048 | 25.440 | -C.030 | 25.453 | -C.008 | 25.462 | 0.006 | 25.480 | C.015 |
| 22.772 | -C.039 | 22.775 | -0.035 | 22.784 | -C.008 | 22.789 | -0.004 | 25.467 | -C.001 | 25.508 | -C.014 | 25.524 | -C.027 | 25.534 | -C.039 |
| 22.799 | 0.014 | 22.803 | 0.027 | 22.815 | 0.028 | 22.826 | 0.023 | 25.545 | -C.052 | 25.555 | -C.060 | 25.569 | -C.068 | 25.592 | -C.072 |
| 22.834 | 0.028 | 22.844 | -0.002 | 22.852 | 0.007 | 22.858 | 0.015 | 25.598 | -C.098 | 25.619 | -C.097 | 25.633 | -C.092 | 25.650 | -C.096 |
| 22.866 | -0.024 | 22.875 | 0.033 | 22.890 | 0.016 | 22.899 | 0.008 | 25.662 | -C.067 | 25.673 | -C.077 | 25.684 | -C.064 | 25.696 | -C.055 |
| 22.947 | -0.005 | 22.957 | -0.010 | 22.929 | -0.000 | 22.940 | 0.013 | 25.709 | -0.054 | 25.727 | -0.062 | 25.736 | -0.082 | 25.745 | -C.057 |
| 22.967 | 0.026 | 22.976 | 0.040 | 22.968 | 0.022 | 22.980 | C.009 | 25.763 | -C.070 | 25.779 | -C.074 | 25.793 | -C.060 | 25.807 | -C.046 |
| 22.992 | -0.025 | 23.002 | -0.025 | 23.011 | -0.025 | 23.033 | 0.002 | 25.818 | -0.033 | 25.830 | -0.019 | 25.843 | -C.050 | 25.857 | -C.049 |
| 23.044 | -0.002 | 23.055 | 0.011 | 23.067 | -0.023 | 23.079 | -0.014 | 25.868 | -C.058 | 25.886 | -C.044 | 25.900 | -C.022 | 25.918 | -C.052 |
| 23.093 | -C.040 | 23.106 | -0.035 | 23.120 | -0.017 | 23.130 | -0.004 | 25.931 | -C.078 | 25.944 | -C.055 | 25.960 | -C.073 | 25.968 | -C.064 |
| 23.140 | 0.005 | 23.148 | 0.027 | 23.160 | 0.032 | 23.178 | C.015 | 25.981 | -C.037 | 26.005 | -C.046 | 26.020 | -C.063 | 26.024 | -C.049 |
| 23.185 | 0.002 | 23.193 | -0.011 | 23.204 | -0.041 | 23.219 | 0.012 | 26.038 | -0.040 | 26.047 | -0.036 | 26.066 | -0.049 | 26.080 | -C.070 |
| | | | | | | | | 26.092 | -C.048 | 26.108 | -C.043 | 26.121 | -0.034 | 26.137 | -0.042 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 26.147 | -0.060 | 26.162 | -0.042 | 26.176 | -0.024 | 26.195 | -0.006 | 29.608 | 0.007 | 29.627 | 0.014 | 29.643 | 0.010 | 29.656 | 0.006 |
| 26.211 | -0.028 | 26.222 | -0.054 | 26.237 | -0.049 | 26.251 | -0.018 | 29.676 | -0.015 | 29.692 | -0.011 | 29.714 | -0.015 | 29.738 | 0.012 |
| 26.268 | -0.013 | 26.289 | -0.030 | 26.307 | -0.005 | 26.322 | -0.007 | 29.758 | -0.040 | 29.776 | -0.044 | 29.798 | -0.030 | 29.827 | 0.019 |
| 26.341 | -0.020 | 26.353 | 0.002 | 26.367 | 0.020 | 26.383 | 0.016 | 29.843 | -0.007 | 29.863 | -0.004 | 29.886 | -0.018 | 29.911 | -0.027 |
| 26.400 | -0.005 | 26.425 | -0.013 | 26.439 | -0.013 | 26.453 | -0.021 | 29.927 | -0.004 | 29.940 | -0.009 | 29.964 | -0.012 | 29.993 | -0.034 |
| 26.467 | -0.008 | 26.478 | 0.019 | 26.488 | 0.037 | 26.501 | 0.046 | 30.016 | -0.058 | 30.038 | -0.059 | 30.051 | -0.028 | 30.069 | -0.032 |
| 26.522 | 0.033 | 26.542 | 0.016 | 26.555 | -0.001 | 26.566 | -0.005 | 30.088 | -0.038 | 30.112 | -0.067 | 30.139 | -0.064 | 30.162 | -0.045 |
| 26.578 | -0.018 | 26.595 | -0.013 | 26.610 | -0.034 | 26.626 | -0.043 | 30.179 | -0.041 | 30.194 | -0.058 | 30.205 | -0.058 | 30.224 | -0.032 |
| 26.643 | -0.046 | 26.660 | -0.037 | 26.675 | -0.032 | 26.688 | -0.036 | 30.239 | -0.014 | 30.252 | -0.019 | 30.277 | -0.036 | 30.300 | -0.005 |
| 26.702 | -0.039 | 26.718 | -0.018 | 26.734 | -0.014 | 26.751 | -0.044 | 30.318 | -0.027 | 30.337 | -0.014 | 30.356 | -0.035 | 30.379 | -0.013 |
| 26.768 | -0.039 | 26.783 | -0.065 | 26.796 | -0.048 | 26.809 | -0.025 | 30.404 | -0.012 | 30.427 | -0.066 | 30.443 | -0.019 | 30.453 | 0.032 |
| 26.823 | -0.008 | 26.836 | 0.001 | 26.848 | 0.024 | 26.866 | 0.028 | 30.475 | -0.015 | 30.493 | -0.006 | 30.511 | -0.019 | 30.535 | 0.017 |
| 26.878 | 0.042 | 26.895 | 0.038 | 26.910 | 0.047 | 26.924 | 0.039 | 30.558 | -0.013 | 30.574 | -0.010 | 30.593 | -0.006 | 30.606 | -0.037 |
| 26.938 | 0.021 | 26.952 | 0.003 | 26.965 | 0.004 | 26.978 | 0.014 | 30.625 | -0.028 | 30.645 | -0.009 | 30.676 | -0.004 | 30.704 | -0.020 |
| 26.991 | 0.004 | 27.002 | 0.013 | 27.012 | 0.022 | 27.021 | 0.035 | 30.724 | 0.007 | 30.743 | 0.029 | 30.772 | 0.039 | 30.795 | 0.062 |
| 27.039 | 0.027 | 27.060 | 0.014 | 27.072 | 0.001 | 27.084 | -0.003 | 30.829 | 0.041 | 30.852 | 0.029 | 30.876 | 0.012 | 30.897 | 0.039 |
| 27.134 | -0.001 | 27.148 | 0.008 | 27.160 | 0.022 | 27.171 | 0.009 | 30.959 | -0.009 | 31.014 | -0.013 | 31.027 | -0.003 | 31.045 | -0.011 |
| 27.179 | -0.004 | 27.193 | -0.034 | 27.210 | -0.043 | 27.222 | -0.047 | 31.069 | -0.015 | 31.079 | -0.029 | 31.095 | -0.005 | 31.111 | -0.018 |
| 27.238 | -0.033 | 27.252 | -0.036 | 27.265 | -0.036 | 27.280 | -0.036 | 31.123 | 0.014 | 31.142 | -0.029 | 31.158 | -0.033 | 31.173 | -0.054 |
| 27.256 | -0.062 | 27.311 | -0.057 | 27.321 | -0.052 | 27.332 | -0.012 | 31.153 | -0.031 | 31.215 | -0.017 | 31.241 | -0.016 | 31.263 | 0.002 |
| 27.345 | -0.016 | 27.356 | -0.007 | 27.367 | -0.020 | 27.379 | -0.037 | 31.283 | 0.006 | 31.302 | -0.010 | 31.323 | -0.014 | 31.349 | -0.022 |
| 27.390 | -0.058 | 27.403 | -0.062 | 27.415 | -0.066 | 27.428 | -0.074 | 31.370 | -0.034 | 31.379 | -0.024 | 31.400 | -0.051 | 31.418 | -0.081 |
| 27.444 | -0.091 | 27.456 | -0.100 | 27.472 | -0.086 | 27.485 | -0.072 | 31.444 | -0.063 | 31.460 | -0.049 | 31.477 | -0.045 | 31.490 | -0.062 |
| 27.500 | -0.085 | 27.516 | -0.080 | 27.531 | -0.093 | 27.549 | -0.088 | 31.504 | -0.075 | 31.526 | -0.063 | 31.543 | -0.104 | 31.563 | -0.077 |
| 27.561 | -0.074 | 27.582 | -0.056 | 27.596 | -0.077 | 27.618 | -0.081 | 31.580 | -0.064 | 31.595 | -0.081 | 31.612 | -0.080 | 31.631 | -0.088 |
| 27.625 | -0.058 | 27.639 | -0.045 | 27.652 | -0.035 | 27.665 | -0.079 | 31.647 | -0.114 | 31.655 | -0.131 | 31.678 | -0.091 | 31.699 | -0.090 |
| 27.679 | -0.069 | 27.689 | -0.051 | 27.701 | -0.064 | 27.715 | -0.041 | 31.717 | -0.094 | 31.730 | -0.116 | 31.753 | -0.075 | 31.773 | -0.075 |
| 27.721 | -0.028 | 27.735 | -0.032 | 27.750 | -0.031 | 27.761 | -0.053 | 31.790 | -0.065 | 31.819 | -0.055 | 31.849 | -0.094 | 31.876 | -0.093 |
| 27.774 | -0.065 | 27.789 | -0.065 | 27.802 | -0.077 | 27.818 | -0.046 | 31.856 | -0.070 | 31.928 | -0.104 | 31.952 | -0.059 | 31.976 | -0.099 |
| 27.836 | -0.045 | 27.845 | -0.027 | 27.856 | -0.017 | 27.868 | -0.008 | 31.999 | -0.085 | 32.013 | -0.071 | 32.036 | -0.071 | 32.068 | -0.092 |
| 27.884 | -0.024 | 27.900 | -0.024 | 27.915 | -0.032 | 27.929 | -0.013 | 32.086 | -0.056 | 32.104 | -0.065 | 32.126 | -0.069 | 32.150 | -0.078 |
| 27.937 | -0.004 | 27.950 | 0.014 | 27.962 | 0.014 | 27.976 | 0.007 | 32.176 | -0.047 | 32.197 | -0.055 | 32.216 | -0.081 | 32.235 | -0.050 |
| 27.990 | -0.010 | 28.000 | -0.022 | 28.017 | -0.008 | 28.030 | 0.006 | 32.242 | -0.033 | 32.266 | -0.045 | 32.294 | -0.036 | 32.313 | -0.040 |
| 28.042 | 0.015 | 28.062 | -0.005 | 28.070 | -0.009 | 28.088 | 0.009 | 32.338 | -0.053 | 32.353 | -0.022 | 32.371 | -0.005 | 32.413 | 0.001 |
| 28.056 | 0.028 | 28.108 | 0.037 | 28.122 | 0.051 | 28.135 | 0.043 | 32.442 | -0.001 | 32.472 | 0.002 | 32.492 | -0.002 | 32.515 | -0.006 |
| 28.154 | 0.031 | 28.170 | 0.028 | 28.183 | 0.046 | 28.203 | 0.043 | 32.531 | -0.010 | 32.552 | 0.012 | 32.568 | 0.030 | 32.581 | -0.048 |
| 28.219 | 0.043 | 28.238 | 0.036 | 28.251 | 0.019 | 28.270 | 0.011 | 32.601 | 0.022 | 32.628 | 0.032 | 32.655 | 0.015 | 32.674 | -0.002 |
| 28.283 | -0.019 | 28.304 | -0.004 | 28.323 | -0.012 | 28.346 | -0.029 | 32.690 | 0.007 | 32.709 | 0.012 | 32.727 | 0.012 | 32.750 | -0.000 |
| 28.363 | -0.015 | 28.378 | -0.005 | 28.394 | -0.035 | 28.411 | -0.026 | 32.764 | 0.031 | 32.804 | 0.031 | 32.824 | 0.019 | 32.853 | 0.010 |
| 28.431 | -0.038 | 28.448 | -0.041 | 28.466 | -0.028 | 28.470 | -0.019 | 32.879 | 0.007 | 32.901 | 0.020 | 32.922 | 0.012 | 32.940 | 0.003 |
| 28.484 | -0.044 | 28.511 | -0.048 | 28.533 | -0.030 | 28.540 | -0.016 | 32.957 | 0.039 | 32.966 | 0.029 | 32.998 | 0.027 | 33.016 | 0.040 |
| 28.561 | -0.029 | 28.585 | -0.006 | 28.604 | -0.006 | 28.627 | -0.014 | 33.032 | 0.049 | 33.053 | 0.028 | 33.070 | 0.006 | 33.093 | 0.019 |
| 28.640 | -0.027 | 28.656 | -0.022 | 28.672 | -0.013 | 28.690 | -0.013 | 33.115 | -0.028 | 33.136 | 0.038 | 33.160 | 0.051 | 33.176 | 0.025 |
| 28.710 | -0.034 | 28.731 | -0.016 | 28.751 | -0.011 | 28.768 | -0.042 | 33.199 | 0.016 | 33.218 | 0.017 | 33.246 | 0.004 | 33.270 | -0.009 |
| 28.788 | -0.011 | 28.801 | -0.002 | 28.821 | -0.001 | 28.838 | 0.008 | 33.256 | -0.004 | 33.315 | 0.009 | 33.335 | 0.018 | 33.362 | 0.032 |
| 28.855 | 0.017 | 28.875 | -0.026 | 28.899 | -0.021 | 28.909 | -0.034 | 33.378 | 0.028 | 33.405 | 0.016 | 33.424 | 0.013 | 33.446 | 0.014 |
| 28.934 | -0.021 | 28.953 | -0.042 | 28.975 | -0.028 | 28.998 | -0.045 | 33.457 | 0.014 | 33.478 | 0.006 | 33.497 | 0.016 | 33.512 | 0.038 |
| 29.014 | -0.023 | 29.031 | -0.045 | 29.047 | -0.040 | 29.061 | -0.018 | 33.539 | 0.044 | 33.563 | 0.049 | 33.590 | 0.055 | 33.606 | 0.033 |
| 29.074 | -0.013 | 29.095 | -0.013 | 29.114 | 0.001 | 29.128 | 0.018 | 33.627 | 0.021 | 33.658 | 0.022 | 33.680 | -0.013 | 33.701 | 0.005 |
| 29.145 | 0.023 | 29.158 | 0.010 | 29.179 | -0.007 | 29.198 | 0.024 | 33.714 | 0.023 | 33.746 | 0.037 | 33.763 | 0.033 | 33.784 | 0.024 |
| 29.218 | 0.033 | 29.240 | 0.007 | 29.264 | 0.025 | 29.287 | 0.004 | 33.812 | 0.016 | 33.828 | 0.008 | 33.857 | 0.021 | 33.884 | -0.004 |
| 29.312 | 0.030 | 29.335 | 0.022 | 29.356 | 0.054 | 29.378 | 0.045 | 33.902 | 0.022 | 33.921 | 0.027 | 33.932 | 0.036 | 33.944 | 0.032 |
| 29.405 | 0.041 | 29.430 | 0.033 | 29.452 | 0.023 | 29.464 | -0.002 | 33.967 | 0.046 | 33.976 | 0.051 | 33.997 | 0.034 | 34.018 | 0.017 |
| 29.481 | 0.007 | 29.502 | -0.014 | 29.515 | -0.027 | 29.541 | 0.017 | 34.042 | 0.040 | 34.071 | 0.014 | 34.100 | 0.020 | 34.118 | 0.016 |
| 29.559 | 0.018 | 29.570 | 0.040 | 29.588 | 0.044 | 29.597 | 0.062 | 34.136 | -0.005 | 34.158 | 0.008 | 34.160 | 0.031 | 34.203 | 0.049 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 34.223 | 0.024 | 34.243 | -0.002 | 34.259 | -0.010 | 34.289 | -0.027 | 39.453 | -0.057 | 39.476 | -0.065 | 39.500 | -0.055 | 39.521 | -0.031 |
| 34.305 | -0.005 | 34.324 | 0.013 | 34.351 | -0.009 | 34.376 | -0.017 | 39.557 | -0.003 | 39.564 | -0.003 | 39.584 | -0.002 | 39.610 | 0.008 |
| 34.401 | -0.021 | 34.423 | -0.021 | 34.431 | -0.021 | 34.450 | -0.021 | 39.634 | 0.005 | 39.660 | -0.007 | 39.689 | -0.010 | 39.713 | 0.013 |
| 34.464 | -0.034 | 34.483 | -0.051 | 34.499 | -0.047 | 34.515 | -0.033 | 39.736 | 0.028 | 39.759 | 0.029 | 39.780 | 0.032 | 39.807 | -0.008 |
| 34.543 | -0.029 | 34.556 | -0.029 | 34.575 | -0.016 | 34.599 | -0.011 | 39.835 | -0.020 | 39.863 | -0.040 | 39.886 | -0.039 | 39.905 | -0.025 |
| 34.620 | -0.011 | 34.639 | -0.028 | 34.657 | -0.058 | 34.677 | -0.084 | 39.931 | 0.003 | 39.950 | 0.004 | 39.976 | -0.008 | 40.004 | -0.011 |
| 34.693 | -0.079 | 34.714 | -0.053 | 34.741 | -0.039 | 34.764 | -0.030 | 40.033 | -0.010 | 40.055 | -0.035 | 40.076 | -0.034 | 40.095 | -0.002 |
| 34.787 | -0.029 | 34.807 | -0.038 | 34.827 | -0.046 | 34.854 | -0.059 | 40.127 | 0.013 | 40.152 | -0.003 | 40.182 | -0.001 | 40.206 | -0.000 |
| 34.874 | -0.084 | 34.885 | -0.097 | 34.903 | -0.079 | 34.936 | -0.043 | 40.234 | -0.007 | 40.263 | -0.022 | 40.287 | -0.034 | 40.325 | -0.015 |
| 34.954 | -0.047 | 34.974 | -0.056 | 34.991 | -0.060 | 35.014 | -0.077 | 40.347 | -0.014 | 40.367 | -0.021 | 40.391 | -0.046 | 40.410 | -0.038 |
| 35.023 | -0.077 | 35.041 | -0.067 | 35.062 | -0.067 | 35.084 | -0.075 | 40.435 | -0.040 | 40.460 | -0.021 | 40.480 | -0.029 | 40.508 | -0.019 |
| 35.101 | -0.057 | 35.121 | -0.035 | 35.136 | -0.030 | 35.158 | -0.043 | 40.527 | -0.018 | 40.549 | -0.026 | 40.575 | -0.034 | 40.607 | -0.033 |
| 35.181 | -0.038 | 35.197 | -0.047 | 35.230 | -0.050 | 35.247 | -0.032 | 40.634 | -0.031 | 40.655 | -0.026 | 40.676 | -0.026 | 40.708 | -0.025 |
| 35.272 | -0.028 | 35.291 | -0.036 | 35.332 | -0.040 | 35.347 | -0.022 | 40.727 | -0.024 | 40.753 | -0.019 | 40.779 | -0.019 | 40.808 | -0.023 |
| 35.363 | -0.022 | 35.390 | -0.030 | 35.411 | -0.021 | 35.432 | -0.021 | 40.835 | -0.018 | 40.858 | -0.017 | 40.883 | -0.007 | 40.914 | 0.011 |
| 35.460 | -0.021 | 35.486 | -0.029 | 35.513 | -0.037 | 35.541 | -0.006 | 40.935 | -0.011 | 40.958 | -0.003 | 40.980 | -0.018 | 40.999 | -0.031 |
| 35.569 | -0.010 | 35.590 | -0.014 | 35.609 | -0.013 | 35.627 | 0.031 | 41.019 | -0.022 | 41.036 | -0.008 | 41.072 | -0.003 | 41.107 | 0.002 |
| 35.652 | 0.005 | 35.678 | -0.008 | 35.699 | -0.025 | 35.720 | -0.024 | 41.136 | 0.012 | 41.160 | 0.039 | 41.176 | 0.052 | 41.202 | -0.053 |
| 35.737 | 0.008 | 35.758 | 0.022 | 35.777 | 0.018 | 35.797 | 0.006 | 41.232 | 0.045 | 41.262 | 0.046 | 41.286 | 0.051 | 41.319 | 0.026 |
| 35.814 | 0.006 | 35.835 | -0.006 | 35.855 | -0.040 | 35.870 | 0.062 | 41.345 | 0.031 | 41.364 | 0.040 | 41.384 | 0.041 | 41.411 | 0.037 |
| 35.855 | -0.074 | 35.922 | -0.064 | 35.942 | -0.055 | 35.975 | -0.049 | 41.438 | 0.020 | 41.467 | 0.016 | 41.489 | 0.017 | 41.520 | 0.018 |
| 35.993 | -0.031 | 36.019 | 0.005 | 36.042 | -0.015 | 36.069 | -0.015 | 41.550 | 0.014 | 41.580 | 0.015 | 41.609 | 0.016 | 41.636 | 0.017 |
| 36.089 | -0.032 | 36.106 | -0.031 | 36.128 | -0.013 | 36.146 | -0.012 | 41.656 | 0.013 | 41.680 | 0.022 | 41.701 | 0.032 | 41.725 | 0.033 |
| 36.165 | -0.051 | 36.181 | -0.064 | 36.203 | -0.037 | 36.222 | 0.028 | 41.754 | 0.021 | 41.781 | 0.008 | 41.808 | 0.005 | 41.836 | 0.011 |
| 36.244 | 0.047 | 36.267 | 0.061 | 36.296 | 0.053 | 36.316 | 0.067 | 41.858 | 0.007 | 41.884 | 0.008 | 41.908 | 0.013 | 41.929 | 0.010 |
| 36.449 | 0.065 | 36.476 | 0.069 | 36.499 | 0.056 | 36.535 | 0.071 | 41.958 | 0.007 | 41.980 | 0.003 | 42.020 | -0.017 | 42.056 | -0.011 |
| 36.555 | 0.071 | 36.574 | 0.076 | 36.598 | 0.099 | 36.617 | 0.100 | 42.103 | -0.015 | 42.125 | -0.014 | 42.155 | -0.013 | 42.184 | -0.021 |
| 36.638 | 0.057 | 36.659 | 0.040 | 36.683 | 0.058 | 36.706 | 0.077 | 42.202 | -0.033 | 42.225 | -0.028 | 42.255 | -0.018 | 42.283 | -0.008 |
| 36.725 | 0.064 | 36.753 | 0.043 | 36.783 | 0.057 | 36.804 | 0.058 | 42.274 | -0.029 | 42.295 | -0.033 | 42.323 | -0.027 | 42.355 | -0.039 |
| 36.823 | 0.033 | 36.840 | -0.010 | 36.854 | -0.027 | 36.877 | -0.009 | 42.381 | -0.038 | 42.415 | -0.037 | 42.445 | -0.037 | 42.472 | -0.027 |
| 36.897 | 0.019 | 36.918 | -0.041 | 36.942 | -0.029 | 36.965 | 0.004 | 42.462 | -0.026 | 42.478 | -0.025 | 42.508 | -0.015 | 42.536 | -0.001 |
| 36.986 | -0.021 | 37.015 | -0.029 | 37.042 | -0.027 | 37.073 | -0.034 | 42.559 | -0.000 | 42.579 | 0.000 | 42.601 | 0.001 | 42.621 | 0.011 |
| 37.101 | -0.024 | 37.128 | -0.035 | 37.150 | -0.082 | 37.164 | -0.090 | 42.646 | 0.016 | 42.668 | 0.008 | 42.696 | -0.004 | 42.721 | -0.007 |
| 37.193 | -0.054 | 37.216 | -0.075 | 37.236 | -0.104 | 37.253 | -0.107 | 42.742 | -0.006 | 42.765 | -0.005 | 42.785 | -0.004 | 42.809 | -0.003 |
| 37.277 | -0.066 | 37.303 | -0.061 | 37.328 | -0.077 | 37.357 | -0.088 | 42.821 | -0.003 | 42.845 | -0.001 | 42.865 | 0.008 | 42.889 | 0.018 |
| 37.386 | -0.113 | 37.401 | -0.108 | 37.428 | -0.076 | 37.455 | -0.066 | 42.908 | 0.024 | 42.929 | 0.021 | 42.949 | 0.017 | 42.965 | 0.009 |
| 37.483 | -0.052 | 37.512 | -0.059 | 37.543 | -0.058 | 37.563 | -0.048 | 42.951 | 0.006 | 43.014 | 0.008 | 43.033 | 0.009 | 43.054 | 0.010 |
| 37.579 | -0.048 | 37.609 | -0.060 | 37.631 | -0.029 | 37.650 | -0.024 | 43.073 | 0.011 | 43.086 | 0.024 | 43.107 | 0.030 | 43.128 | 0.018 |
| 37.679 | -0.032 | 37.702 | -0.027 | 37.734 | 0.005 | 37.768 | 0.010 | 43.160 | 0.015 | 43.175 | 0.015 | 43.202 | 0.008 | 43.231 | 0.009 |
| 37.755 | -0.015 | 37.814 | -0.024 | 37.833 | -0.001 | 37.849 | 0.017 | 43.251 | 0.001 | 43.279 | 0.002 | 43.306 | 0.016 | 43.325 | 0.013 |
| 37.866 | 0.017 | 37.891 | 0.031 | 37.922 | 0.045 | 37.948 | 0.050 | 43.351 | 0.014 | 43.369 | 0.014 | 43.397 | 0.024 | 43.420 | 0.039 |
| 37.968 | 0.033 | 37.994 | 0.016 | 38.024 | 0.025 | 38.054 | 0.030 | 43.434 | 0.040 | 43.474 | 0.036 | 43.506 | 0.029 | 43.527 | 0.030 |
| 38.077 | 0.052 | 38.101 | 0.053 | 38.123 | 0.036 | 38.155 | 0.032 | 43.547 | 0.040 | 43.580 | 0.059 | 43.599 | 0.060 | 43.637 | 0.049 |
| 38.194 | 0.015 | 38.216 | 0.003 | 38.237 | -0.001 | 38.266 | 0.012 | 43.660 | 0.050 | 43.681 | 0.047 | 43.705 | 0.035 | 43.728 | 0.036 |
| 38.293 | 0.030 | 38.318 | 0.013 | 38.335 | 0.014 | 38.372 | 0.041 | 43.761 | 0.042 | 43.789 | 0.034 | 43.811 | 0.035 | 43.841 | 0.037 |
| 38.412 | 0.059 | 38.435 | 0.024 | 38.457 | 0.016 | 38.482 | 0.047 | 43.872 | 0.029 | 43.895 | 0.021 | 43.921 | 0.022 | 43.944 | 0.015 |
| 38.498 | 0.051 | 38.527 | 0.035 | 38.555 | 0.040 | 38.583 | 0.058 | 43.964 | 0.011 | 43.987 | 0.012 | 44.009 | 0.012 | 44.037 | 0.009 |
| 38.611 | 0.033 | 38.640 | 0.016 | 38.669 | 0.008 | 38.700 | -0.009 | 44.058 | 0.005 | 44.078 | 0.002 | 44.097 | 0.002 | 44.115 | 0.003 |
| 38.723 | 0.061 | 38.752 | 0.010 | 38.778 | 0.007 | 38.805 | -0.001 | 44.135 | 0.004 | 44.157 | 0.004 | 44.167 | 0.005 | 44.180 | 0.005 |
| 38.833 | -0.004 | 38.860 | 0.006 | 38.895 | -0.006 | 38.924 | 0.008 | 44.199 | -0.003 | 44.223 | -0.002 | 44.242 | -0.006 | 44.264 | -0.005 |
| 38.953 | 0.020 | 39.016 | 0.025 | 39.043 | 0.027 | 39.073 | 0.027 | 44.281 | -0.009 | 44.292 | -0.017 | 44.310 | -0.017 | 44.332 | -0.012 |
| 39.072 | 0.023 | 39.101 | 0.021 | 39.128 | 0.035 | 39.152 | 0.014 | 44.352 | -0.011 | 44.365 | -0.011 | 44.381 | -0.010 | 44.403 | -0.010 |
| 39.177 | -0.002 | 39.199 | 0.004 | 39.217 | 0.005 | 39.238 | 0.001 | 44.423 | -0.009 | 44.444 | -0.012 | 44.465 | -0.020 | 44.487 | -0.024 |
| 39.267 | -0.006 | 39.294 | -0.022 | 39.327 | -0.016 | 39.339 | -0.037 | 44.513 | -0.014 | 44.534 | -0.018 | 44.558 | -0.030 | 44.583 | -0.037 |
| 39.358 | -0.045 | 39.388 | -0.013 | 39.403 | -0.007 | 39.426 | -0.028 | 44.610 | -0.019 | 44.633 | -0.018 | 44.655 | -0.017 | 44.677 | -0.020 |
| | | | | | | | | 44.701 | -0.010 | 44.721 | -0.010 | 44.747 | -0.013 | 44.778 | -0.021 |
| | | | | | | | | 44.801 | -0.029 | 44.823 | -0.028 | 44.842 | -0.023 | 44.859 | -0.014 |
| | | | | | | | | 44.877 | -0.009 | 44.901 | -0.017 | 44.924 | -0.017 | | |

2975 PCINTS 38.512 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 ADJUSTMENT, IS 0.2735 G/10.

[illegible]

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 4.139 | C.046 | 4.148 | 0.068 | 4.155 | 0.106 | 4.165 | 0.136 | 6.589 | -0.403 | 6.599 | -0.426 | 6.609 | -0.441 | 6.620 | -0.441 |
| 4.173 | 0.113 | 4.183 | 0.090 | 4.194 | 0.029 | 4.202 | -0.008 | 6.635 | -0.396 | 6.641 | -0.343 | 6.649 | -0.245 | 6.663 | -0.095 |
| 4.213 | -0.016 | 4.225 | -0.039 | 4.237 | -0.024 | 4.248 | -0.032 | 6.671 | 0.041 | 6.682 | 0.138 | 6.692 | 0.198 | 6.704 | 0.251 |
| 4.256 | -C.040 | 4.269 | -0.003 | 4.276 | 0.020 | 4.285 | 0.050 | 6.711 | 0.289 | 6.721 | 0.326 | 6.729 | 0.371 | 6.739 | 0.416 |
| 4.297 | C.087 | 4.305 | 0.079 | 4.319 | 0.072 | 4.329 | 0.059 | 6.752 | 0.446 | 6.760 | 0.460 | 6.768 | 0.475 | 6.779 | 0.490 |
| 4.340 | -0.018 | 4.350 | -0.026 | 4.361 | -0.048 | 4.371 | -0.048 | 6.781 | 0.490 | 6.793 | 0.482 | 6.801 | 0.474 | 6.813 | 0.459 |
| 4.375 | -C.063 | 4.384 | -0.063 | 4.388 | -0.078 | 4.393 | -0.085 | 6.821 | 0.443 | 6.829 | 0.428 | 6.838 | 0.413 | 6.848 | 0.457 |
| 4.358 | -C.100 | 4.406 | -0.100 | 4.412 | -0.130 | 4.421 | -0.130 | 6.857 | 0.518 | 6.870 | 0.570 | 6.880 | 0.510 | 6.888 | 0.412 |
| 4.427 | -0.130 | 4.442 | -0.137 | 4.450 | -0.115 | 4.459 | -0.092 | 6.897 | 0.261 | 6.906 | 0.087 | 6.914 | -0.033 | 6.921 | -0.116 |
| 4.472 | -0.062 | 4.482 | -0.069 | 4.490 | -0.129 | 4.511 | -0.182 | 6.931 | -0.214 | 6.945 | -0.298 | 6.956 | -0.366 | 6.968 | -0.464 |
| 4.526 | -0.181 | 4.543 | -0.181 | 4.560 | -0.158 | 4.572 | -0.128 | 6.977 | 0.529 | 6.988 | -0.622 | 7.002 | -0.638 | 7.010 | -0.593 |
| 4.583 | -C.091 | 4.596 | -0.066 | 4.610 | -0.099 | 4.622 | -0.114 | 7.017 | -0.502 | 7.033 | -0.390 | 7.039 | -0.254 | 7.039 | -0.149 |
| 4.638 | -0.076 | 4.649 | -0.046 | 4.662 | -0.024 | 4.681 | -0.009 | 7.045 | -0.096 | 7.055 | -0.013 | 7.064 | -0.029 | 7.078 | -0.104 |
| 4.692 | -0.010 | 4.706 | -0.002 | 4.722 | 0.005 | 4.735 | -0.010 | 7.088 | -0.135 | 7.100 | -0.082 | 7.111 | -0.037 | 7.123 | 0.031 |
| 4.746 | -0.026 | 4.773 | -0.063 | 4.773 | -0.086 | 4.786 | -0.087 | 7.136 | 0.128 | 7.146 | 0.188 | 7.158 | 0.324 | 7.170 | 0.459 |
| 4.757 | -0.056 | 4.808 | -0.004 | 4.820 | 0.019 | 4.836 | -0.041 | 7.181 | 0.640 | 7.196 | 0.828 | 7.202 | 0.926 | 7.211 | 1.023 |
| 4.844 | -0.109 | 4.856 | -0.177 | 4.870 | -0.222 | 4.886 | -0.177 | 7.228 | 1.083 | 7.236 | 1.038 | 7.247 | 0.955 | 7.258 | 0.857 |
| 4.857 | -0.094 | 4.915 | -0.019 | 4.930 | 0.026 | 4.943 | 0.042 | 7.271 | 0.736 | 7.283 | 0.668 | 7.292 | 0.585 | 7.303 | 0.509 |
| 4.955 | 0.072 | 4.969 | 0.109 | 4.981 | 0.124 | 4.991 | 0.124 | 7.316 | 0.604 | 7.327 | 0.326 | 7.339 | 0.245 | 7.350 | 0.140 |
| 5.001 | 0.132 | 5.012 | 0.132 | 5.025 | 0.109 | 5.035 | 0.082 | 7.360 | 0.057 | 7.374 | -0.033 | 7.384 | -0.101 | 7.391 | -0.176 |
| 5.043 | -0.026 | 5.053 | -0.117 | 5.066 | -0.192 | 5.080 | -0.207 | 7.404 | -0.199 | 7.413 | -0.176 | 7.426 | -0.108 | 7.439 | -0.077 |
| 5.093 | -0.200 | 5.109 | -0.192 | 5.122 | -0.169 | 5.145 | -0.124 | 7.451 | -0.130 | 7.463 | -0.265 | 7.473 | -0.416 | 7.484 | -0.537 |
| 5.157 | -0.049 | 5.170 | 0.057 | 5.177 | 0.109 | 5.187 | 0.132 | 7.489 | -0.590 | 7.499 | -0.650 | 7.510 | -0.620 | 7.515 | -0.545 |
| 5.199 | 0.185 | 5.210 | 0.252 | 5.220 | 0.343 | 5.227 | 0.403 | 7.526 | -0.410 | 7.537 | -0.214 | 7.550 | -0.056 | 7.561 | 0.064 |
| 5.238 | C.463 | 5.251 | 0.561 | 5.265 | 0.607 | 5.277 | 0.561 | 7.571 | 0.162 | 7.583 | 0.191 | 7.592 | 0.221 | 7.609 | 0.235 |
| 5.288 | 0.501 | 5.301 | 0.426 | 5.310 | 0.350 | 5.325 | 0.237 | 7.622 | 0.257 | 7.632 | 0.294 | 7.643 | 0.324 | 7.656 | 0.398 |
| 5.335 | 0.139 | 5.349 | 0.057 | 5.360 | 0.011 | 5.374 | -0.056 | 7.668 | 0.390 | 7.678 | 0.352 | 7.693 | 0.276 | 7.705 | 0.224 |
| 5.387 | -0.162 | 5.399 | -0.275 | 5.413 | -0.418 | 5.428 | -0.543 | 7.717 | 0.148 | 7.728 | 0.088 | 7.743 | 0.027 | 7.752 | -0.079 |
| 5.445 | -0.591 | 5.453 | -0.546 | 5.467 | -0.478 | 5.481 | -0.410 | 7.763 | -0.177 | 7.775 | -0.297 | 7.786 | -0.418 | 7.796 | -0.523 |
| 5.490 | -0.350 | 5.497 | -0.305 | 5.511 | -0.267 | 5.521 | -0.290 | 7.806 | -0.599 | 7.815 | -0.599 | 7.833 | -0.606 | 7.843 | -0.667 |
| 5.544 | -0.403 | 5.544 | -0.403 | 5.555 | -0.380 | 5.565 | -0.275 | 7.857 | -0.697 | 7.868 | -0.772 | 7.872 | -0.772 | 7.883 | -0.749 |
| 5.577 | -0.132 | 5.586 | 0.011 | 5.597 | 0.109 | 5.605 | 0.200 | 7.892 | -0.636 | 7.904 | -0.516 | 7.911 | -0.410 | 7.923 | -0.350 |
| 5.617 | 0.268 | 5.633 | 0.343 | 5.642 | 0.388 | 5.654 | 0.426 | 7.931 | -0.403 | 7.942 | -0.501 | 7.951 | -0.614 | 7.961 | -0.742 |
| 5.663 | 0.516 | 5.674 | 0.644 | 5.680 | 0.674 | 5.693 | 0.727 | 7.970 | -0.847 | 7.979 | -0.923 | 7.987 | -0.968 | 7.995 | -0.930 |
| 5.703 | 0.681 | 5.714 | 0.591 | 5.726 | 0.493 | 5.737 | 0.477 | 8.009 | -0.772 | 8.018 | -0.584 | 8.029 | -0.320 | 8.043 | -0.041 |
| 5.749 | 0.455 | 5.765 | 0.515 | 5.775 | 0.341 | 5.785 | 0.205 | 8.053 | 0.087 | 8.068 | 0.170 | 8.068 | 0.230 | 8.077 | 0.260 |
| 5.794 | -0.006 | 5.803 | -0.209 | 5.814 | -0.405 | 5.836 | -0.383 | 8.090 | 0.215 | 8.098 | 0.117 | 8.113 | -0.049 | 8.122 | -0.147 |
| 5.847 | -C.278 | 5.862 | -0.316 | 5.868 | -0.406 | 5.875 | -0.512 | 8.134 | -0.215 | 8.143 | -0.245 | 8.156 | -0.282 | 8.167 | -0.328 |
| 5.884 | -0.648 | 5.894 | -0.821 | 5.904 | -0.919 | 5.914 | -0.979 | 8.175 | -0.418 | 8.183 | -0.508 | 8.193 | -0.561 | 8.204 | -0.621 |
| 5.923 | -1.031 | 5.931 | -1.069 | 5.948 | -1.114 | 5.957 | -1.068 | 8.211 | -0.629 | 8.223 | -0.591 | 8.233 | -0.539 | 8.241 | -0.441 |
| 5.965 | -1.000 | 5.975 | -0.819 | 5.983 | -0.638 | 5.994 | -0.337 | 8.251 | -0.313 | 8.260 | -0.207 | 8.270 | -0.094 | 8.279 | -0.102 |
| 6.005 | -0.103 | 6.012 | -0.005 | 6.021 | 0.048 | 6.030 | 0.003 | 8.289 | -0.109 | 8.304 | -0.124 | 8.313 | -0.117 | 8.322 | -0.132 |
| 6.039 | -0.050 | 6.052 | -0.095 | 6.063 | -0.049 | 6.073 | 0.026 | 8.332 | -0.170 | 8.342 | -0.201 | 8.355 | -0.269 | 8.369 | -0.314 |
| 6.085 | 0.147 | 6.094 | 0.275 | 6.102 | 0.350 | 6.114 | 0.396 | 8.384 | -0.269 | 8.394 | -0.171 | 8.403 | -0.051 | 8.414 | 0.092 |
| 6.125 | 0.358 | 6.137 | 0.290 | 6.148 | 0.237 | 6.163 | 0.245 | 8.430 | 0.212 | 8.439 | 0.189 | 8.450 | 0.166 | 8.459 | 0.166 |
| 6.176 | 0.275 | 6.187 | 0.297 | 6.200 | 0.297 | 6.211 | 0.296 | 8.470 | 0.264 | 8.478 | 0.339 | 8.489 | 0.339 | 8.500 | 0.301 |
| 6.224 | -C.303 | 6.236 | -0.258 | 6.248 | -0.189 | 6.258 | -0.083 | 8.508 | 0.226 | 8.524 | 0.121 | 8.535 | 0.083 | 8.546 | 0.098 |
| 6.269 | -0.045 | 6.279 | -0.196 | 6.290 | -0.310 | 6.300 | -0.393 | 8.562 | 0.156 | 8.575 | 0.219 | 8.587 | 0.256 | 8.599 | 0.218 |
| 6.311 | -0.416 | 6.322 | -0.387 | 6.335 | -0.380 | 6.345 | -0.456 | 8.607 | 0.158 | 8.620 | 0.112 | 8.629 | 0.187 | 8.639 | 0.293 |
| 6.356 | -0.547 | 6.367 | -0.578 | 6.375 | -0.601 | 6.385 | -0.608 | 8.645 | 0.413 | 8.653 | 0.564 | 8.659 | 0.684 | 8.668 | 0.819 |
| 6.390 | -0.653 | 6.396 | -0.676 | 6.406 | -0.601 | 6.413 | -0.525 | 8.684 | 0.887 | 8.692 | 0.857 | 8.700 | 0.796 | 8.719 | 0.756 |
| 6.419 | -0.442 | 6.423 | -0.397 | 6.429 | -0.359 | 6.436 | -0.405 | 8.727 | 0.841 | 8.738 | 0.893 | 8.751 | 0.946 | 8.762 | 0.916 |
| 6.445 | -0.472 | 6.455 | -0.548 | 6.462 | -0.593 | 6.472 | -0.608 | 8.774 | 0.900 | 8.782 | 0.870 | 8.796 | 0.966 | 8.803 | 0.712 |
| 6.480 | -0.631 | 6.485 | -0.631 | 6.492 | -0.600 | 6.500 | -0.555 | 8.816 | 0.599 | 8.830 | 0.441 | 8.837 | 0.335 | 8.846 | 0.268 |
| 6.507 | -0.450 | 6.517 | -0.314 | 6.525 | -0.193 | 6.538 | -0.116 | 8.854 | 0.200 | 8.874 | 0.192 | 8.883 | 0.252 | 8.890 | 0.328 |
| 6.548 | -0.178 | 6.558 | -0.246 | 6.568 | -0.336 | 6.580 | -0.388 | 8.899 | 0.411 | 8.911 | 0.494 | 8.920 | 0.576 | 8.932 | 0.652 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8.943 | 0.742 | 8.960 | 0.765 | 8.969 | 0.720 | 8.975 | 0.659 | 11.358 | 0.234 | 11.368 | 0.121 | 11.380 | 0.001 | 11.393 | -0.059 |
| 8.985 | 0.614 | 8.996 | 0.463 | 9.009 | 0.283 | 9.018 | 0.147 | 11.402 | -0.165 | 11.411 | -0.210 | 11.417 | -0.127 | 11.427 | -0.247 |
| 9.027 | 0.026 | 9.039 | -0.034 | 9.045 | -0.117 | 9.054 | -0.154 | 11.435 | -0.209 | 11.447 | -0.247 | 11.458 | -0.315 | 11.472 | -0.473 |
| 9.059 | -0.087 | 9.067 | -0.150 | 9.073 | -0.200 | 9.086 | -0.215 | 11.484 | -0.586 | 11.494 | -0.691 | 11.504 | -0.706 | 11.511 | -0.706 |
| 9.097 | -0.207 | 9.105 | -0.154 | 9.118 | -0.026 | 9.128 | 0.110 | 11.523 | -0.714 | 11.530 | -0.729 | 11.543 | -0.819 | 11.555 | -0.880 |
| 9.136 | 0.298 | 9.145 | 0.479 | 9.150 | 0.555 | 9.160 | 0.615 | 11.567 | -0.917 | 11.584 | -0.880 | 11.599 | -0.835 | 11.613 | -0.790 |
| 9.167 | 0.578 | 9.177 | 0.495 | 9.190 | 0.390 | 9.200 | 0.330 | 11.629 | -0.917 | 11.641 | -0.572 | 11.650 | -0.452 | 11.664 | -0.309 |
| 9.212 | 0.217 | 9.222 | 0.036 | 9.229 | -0.077 | 9.237 | -0.213 | 11.676 | -0.203 | 11.686 | -0.127 | 11.702 | -0.074 | 11.711 | -0.089 |
| 9.242 | -0.318 | 9.253 | -0.439 | 9.260 | -0.522 | 9.266 | -0.552 | 11.726 | -0.089 | 11.740 | -0.081 | 11.748 | -0.006 | 11.761 | 0.145 |
| 9.275 | -0.515 | 9.282 | -0.432 | 9.295 | -0.312 | 9.303 | -0.192 | 11.775 | 0.111 | 11.787 | 0.470 | 11.801 | 0.111 | 11.811 | 0.673 |
| 9.314 | -0.095 | 9.324 | -0.080 | 9.337 | -0.073 | 9.349 | -0.126 | 11.825 | 0.734 | 11.832 | 0.772 | 11.843 | 0.794 | 11.853 | 0.780 |
| 9.361 | -0.171 | 9.374 | -0.156 | 9.386 | -0.156 | 9.399 | -0.179 | 11.866 | 0.727 | 11.878 | 0.667 | 11.890 | 0.607 | 11.899 | 0.591 |
| 9.411 | -0.269 | 9.422 | -0.412 | 9.432 | -0.525 | 9.448 | -0.643 | 11.913 | 0.561 | 11.925 | 0.561 | 11.932 | 0.561 | 11.941 | 0.561 |
| 9.462 | -0.623 | 9.482 | -0.608 | 9.496 | -0.578 | 9.510 | -0.525 | 11.949 | 0.546 | 11.961 | 0.494 | 11.972 | 0.411 | 11.981 | 0.388 |
| 9.523 | -0.451 | 9.536 | -0.451 | 9.554 | -0.452 | 9.565 | -0.414 | 11.993 | 0.283 | 12.004 | 0.237 | 12.017 | 0.215 | 12.024 | 0.207 |
| 9.576 | -0.325 | 9.586 | -0.265 | 9.596 | -0.220 | 9.608 | -0.243 | 12.033 | 0.207 | 12.044 | 0.215 | 12.057 | 0.215 | 12.068 | 0.155 |
| 9.625 | -0.304 | 9.637 | -0.380 | 9.651 | -0.388 | 9.671 | -0.388 | 12.077 | 0.064 | 12.093 | -0.108 | 12.104 | -0.251 | 12.115 | -0.364 |
| 9.682 | -0.389 | 9.696 | -0.397 | 9.708 | -0.254 | 9.713 | -0.254 | 12.128 | -0.432 | 12.141 | -0.454 | 12.151 | -0.431 | 12.165 | -0.356 |
| 9.721 | -0.119 | 9.736 | -0.062 | 9.742 | -0.142 | 9.750 | -0.104 | 12.176 | -0.280 | 12.181 | -0.174 | 12.189 | -0.106 | 12.200 | -0.069 |
| 9.760 | 0.165 | 9.765 | 0.233 | 9.775 | 0.195 | 9.794 | 0.135 | 12.209 | -0.023 | 12.219 | -0.046 | 12.231 | -0.098 | 12.241 | -0.151 |
| 9.802 | 0.045 | 9.810 | 0.136 | 9.818 | 0.194 | 9.826 | 0.377 | 12.250 | -0.188 | 12.260 | -0.136 | 12.272 | -0.061 | 12.287 | 0.082 |
| 9.832 | 0.415 | 9.837 | 0.378 | 9.847 | 0.468 | 9.850 | 0.363 | 12.305 | 0.240 | 12.316 | 0.292 | 12.322 | 0.322 | 12.338 | 0.276 |
| 9.856 | 0.265 | 9.861 | 0.325 | 9.872 | 0.243 | 9.886 | 0.205 | 12.350 | 0.246 | 12.365 | 0.230 | 12.379 | 0.245 | 12.393 | 0.275 |
| 9.891 | 0.236 | 9.903 | 0.198 | 9.911 | 0.198 | 9.919 | 0.198 | 12.404 | 0.350 | 12.419 | 0.432 | 12.430 | 0.432 | 12.445 | 0.393 |
| 9.935 | 0.183 | 9.943 | 0.093 | 9.948 | -0.013 | 9.958 | -0.126 | 12.454 | 0.318 | 12.469 | 0.197 | 12.484 | 0.068 | 12.496 | -0.045 |
| 9.966 | -0.224 | 9.980 | -0.255 | 9.993 | -0.225 | 9.999 | -0.158 | 12.509 | -0.098 | 12.517 | -0.114 | 12.527 | -0.122 | 12.537 | -0.114 |
| 10.008 | -0.098 | 10.020 | 0.030 | 10.029 | 0.135 | 10.040 | 0.277 | 12.552 | -0.122 | 12.568 | 0.168 | 12.577 | -0.243 | 12.588 | -0.311 |
| 10.046 | 0.397 | 10.054 | 0.465 | 10.064 | 0.525 | 10.077 | 0.296 | 12.606 | -0.544 | 12.624 | -0.515 | 12.636 | -0.553 | 12.646 | -0.590 |
| 10.087 | 0.425 | 10.094 | 0.365 | 10.099 | 0.319 | 10.110 | 0.296 | 12.660 | -0.636 | 12.673 | -0.651 | 12.682 | -0.636 | 12.696 | -0.629 |
| 10.120 | 0.333 | 10.130 | 0.400 | 10.143 | 0.512 | 10.156 | 0.640 | 12.706 | -0.599 | 12.721 | -0.554 | 12.735 | -0.539 | 12.745 | -0.539 |
| 10.172 | 0.805 | 10.186 | 0.895 | 10.199 | 0.942 | 10.210 | 0.940 | 12.755 | -0.569 | 12.761 | -0.584 | 12.770 | -0.599 | 12.782 | -0.614 |
| 10.227 | 0.955 | 10.238 | 0.932 | 10.250 | 0.865 | 10.263 | 0.798 | 12.792 | -0.599 | 12.800 | -0.546 | 12.807 | -0.486 | 12.816 | -0.380 |
| 10.272 | 0.813 | 10.281 | 0.828 | 10.294 | 0.855 | 10.306 | 0.768 | 12.825 | -0.282 | 12.838 | -0.200 | 12.848 | -0.162 | 12.864 | -0.087 |
| 10.318 | 0.715 | 10.326 | 0.652 | 10.335 | 0.587 | 10.346 | 0.526 | 12.878 | -0.026 | 12.891 | -0.026 | 12.901 | -0.094 | 12.910 | -0.109 |
| 10.355 | 0.503 | 10.368 | 0.456 | 10.379 | 0.548 | 10.389 | 0.623 | 12.919 | -0.132 | 12.930 | -0.079 | 12.940 | -0.049 | 12.948 | -0.056 |
| 10.397 | 0.668 | 10.411 | 0.706 | 10.420 | 0.638 | 10.429 | 0.592 | 12.959 | -0.041 | 12.967 | 0.011 | 12.982 | 0.057 | 12.991 | 0.019 |
| 10.441 | 0.456 | 10.453 | 0.388 | 10.461 | 0.237 | 10.470 | 0.177 | 13.003 | -0.004 | 13.008 | -0.026 | 13.018 | -0.064 | 13.033 | -0.087 |
| 10.476 | 0.409 | 10.490 | 0.049 | 10.500 | 0.124 | 10.505 | 0.185 | 13.047 | -0.079 | 13.056 | -0.041 | 13.066 | -0.004 | 13.078 | -0.064 |
| 10.511 | 0.252 | 10.521 | 0.290 | 10.529 | 0.320 | 10.544 | 0.260 | 13.091 | -0.072 | 13.109 | -0.026 | 13.120 | -0.056 | 13.129 | -0.102 |
| 10.561 | 0.124 | 10.572 | 0.025 | 10.587 | -0.103 | 10.600 | -0.224 | 13.142 | -0.154 | 13.154 | -0.162 | 13.167 | -0.162 | 13.179 | -0.132 |
| 10.611 | -0.330 | 10.624 | -0.383 | 10.635 | -0.420 | 10.640 | -0.391 | 13.191 | -0.109 | 13.200 | -0.087 | 13.209 | -0.087 | 13.222 | -0.087 |
| 10.657 | -0.293 | 10.669 | -0.188 | 10.683 | -0.052 | 10.692 | 0.045 | 13.236 | -0.094 | 13.247 | -0.117 | 13.255 | -0.124 | 13.270 | -0.177 |
| 10.703 | 0.158 | 10.715 | 0.249 | 10.728 | 0.362 | 10.744 | 0.506 | 13.284 | -0.177 | 13.300 | -0.162 | 13.315 | -0.109 | 13.332 | -0.003 |
| 10.754 | 0.649 | 10.769 | 0.717 | 10.778 | 0.687 | 10.788 | 0.620 | 13.350 | 0.110 | 13.365 | 0.185 | 13.374 | 0.170 | 13.388 | 0.125 |
| 10.801 | 0.529 | 10.815 | 0.491 | 10.836 | 0.468 | 10.846 | 0.467 | 13.402 | 0.095 | 13.415 | 0.171 | 13.430 | 0.239 | 13.450 | 0.360 |
| 10.860 | 0.460 | 10.875 | 0.415 | 10.892 | 0.291 | 10.904 | 0.147 | 13.467 | 0.465 | 13.479 | 0.541 | 13.495 | 0.571 | 13.503 | 0.601 |
| 10.914 | -0.064 | 10.934 | -0.450 | 10.957 | -0.585 | 10.965 | -1.196 | 13.517 | 0.832 | 13.527 | 0.594 | 13.542 | 0.534 | 13.557 | 0.504 |
| 10.978 | -1.316 | 10.989 | -1.422 | 11.002 | -1.309 | 11.011 | -1.474 | 13.571 | 0.527 | 13.585 | 0.369 | 13.600 | 0.572 | 13.615 | 0.520 |
| 11.019 | -1.482 | 11.031 | -1.512 | 11.040 | -1.541 | 11.051 | -1.474 | 13.629 | 0.452 | 13.645 | 0.369 | 13.654 | 0.279 | 13.664 | 0.211 |
| 11.064 | -1.541 | 11.073 | -1.480 | 11.081 | -1.420 | 11.090 | -1.329 | 13.677 | 0.181 | 13.689 | 0.181 | 13.701 | 0.150 | 13.715 | 0.105 |
| 11.099 | -1.276 | 11.108 | -1.276 | 11.118 | -1.313 | 11.127 | -1.200 | 13.730 | 0.075 | 13.742 | 0.052 | 13.757 | 0.044 | 13.765 | 0.037 |
| 11.137 | -1.253 | 11.145 | -1.079 | 11.150 | -1.102 | 11.161 | -1.034 | 13.779 | 0.022 | 13.788 | 0.006 | 13.799 | -0.009 | 13.814 | -0.009 |
| 11.169 | -0.958 | 11.182 | -0.792 | 11.193 | -0.618 | 11.206 | -0.445 | 13.831 | 0.021 | 13.841 | 0.066 | 13.853 | 0.119 | 13.865 | 0.172 |
| 11.222 | -0.203 | 11.232 | 0.068 | 11.243 | 0.128 | 11.253 | 0.264 | 13.881 | 0.209 | 13.894 | 0.186 | 13.909 | 0.118 | 13.918 | 0.058 |
| 11.264 | 0.384 | 11.280 | 0.460 | 11.299 | 0.437 | 11.312 | 0.309 | 13.931 | 0.043 | 13.950 | 0.065 | 13.966 | 0.118 | 13.983 | 0.140 |
| 11.319 | 0.467 | 11.331 | 0.173 | 11.345 | 0.264 | 11.351 | 0.181 | 13.999 | 0.086 | 14.017 | -0.011 | 14.036 | -0.101 | 14.056 | -0.101 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 14.074 | -0.086 | 14.085 | -0.071 | 14.102 | -0.071 | 14.118 | -0.071 | 16.968 | -0.154 | 16.978 | -0.139 | 16.988 | -0.116 | 16.998 | -0.093 |
| 14.134 | -0.071 | 14.150 | -0.071 | 14.168 | -0.071 | 14.182 | -0.071 | 17.013 | -0.025 | 17.031 | 0.058 | 17.041 | 0.058 | 17.055 | 0.073 |
| 14.158 | -0.071 | 14.209 | -0.071 | 14.225 | -0.071 | 14.241 | -0.102 | 17.063 | 0.074 | 17.087 | 0.086 | 17.087 | 0.088 | 17.099 | 0.096 |
| 14.237 | -0.132 | 14.272 | -0.147 | 14.294 | -0.162 | 14.314 | -0.162 | 17.110 | 0.133 | 17.119 | 0.141 | 17.128 | 0.119 | 17.142 | 0.088 |
| 14.330 | -0.169 | 14.343 | -0.177 | 14.357 | -0.177 | 14.373 | -0.094 | 17.153 | 0.081 | 17.165 | 0.059 | 17.179 | 0.059 | 17.192 | 0.044 |
| 14.392 | -0.049 | 14.404 | -0.056 | 14.418 | -0.102 | 14.433 | -0.124 | 17.202 | 0.044 | 17.218 | 0.045 | 17.229 | 0.045 | 17.245 | 0.053 |
| 14.449 | -0.154 | 14.467 | -0.139 | 14.484 | -0.079 | 14.496 | -0.056 | 17.257 | 0.143 | 17.269 | 0.204 | 17.277 | 0.212 | 17.288 | 0.347 |
| 14.505 | -0.056 | 14.526 | -0.056 | 14.546 | -0.056 | 14.560 | -0.026 | 17.301 | 0.400 | 17.310 | 0.453 | 17.318 | 0.476 | 17.327 | 0.507 |
| 14.578 | 0.049 | 14.595 | 0.147 | 14.610 | 0.230 | 14.621 | 0.268 | 17.343 | 0.545 | 17.357 | 0.567 | 17.372 | 0.613 | 17.387 | 0.643 |
| 14.635 | 0.246 | 14.648 | 0.193 | 14.662 | 0.170 | 14.674 | 0.133 | 17.399 | 0.644 | 17.409 | 0.659 | 17.423 | 0.674 | 17.440 | 0.697 |
| 14.686 | 0.171 | 14.703 | 0.216 | 14.717 | 0.299 | 14.730 | 0.352 | 17.450 | 0.697 | 17.460 | 0.696 | 17.471 | 0.705 | 17.479 | 0.706 |
| 14.748 | 0.367 | 14.760 | 0.330 | 14.776 | 0.330 | 14.790 | 0.308 | 17.488 | 0.691 | 17.501 | 0.691 | 17.512 | 0.699 | 17.528 | 0.699 |
| 14.801 | 0.278 | 14.812 | 0.255 | 14.820 | 0.225 | 14.831 | 0.203 | 17.542 | 0.715 | 17.559 | 0.707 | 17.578 | 0.670 | 17.594 | 0.595 |
| 14.845 | 0.248 | 14.859 | 0.271 | 14.875 | 0.294 | 14.891 | 0.249 | 17.610 | 0.505 | 17.629 | 0.400 | 17.644 | 0.317 | 17.660 | 0.242 |
| 14.906 | 0.152 | 14.923 | 0.084 | 14.942 | 0.054 | 14.953 | 0.024 | 17.674 | 0.205 | 17.687 | 0.190 | 17.698 | 0.213 | 17.713 | 0.259 |
| 15.037 | 0.183 | 15.058 | 0.259 | 15.072 | 0.297 | 15.082 | 0.327 | 17.732 | 0.321 | 17.748 | 0.342 | 17.758 | 0.358 | 17.773 | 0.358 |
| 15.086 | 0.327 | 15.107 | 0.335 | 15.116 | 0.335 | 15.128 | 0.335 | 17.795 | 0.321 | 17.813 | 0.276 | 17.834 | 0.224 | 17.847 | 0.171 |
| 15.139 | 0.343 | 15.153 | 0.365 | 15.165 | 0.426 | 15.184 | 0.478 | 17.927 | 0.429 | 17.948 | 0.498 | 17.970 | 0.461 | 17.983 | 0.393 |
| 15.199 | 0.448 | 15.213 | 0.396 | 15.233 | 0.396 | 15.248 | 0.350 | 17.999 | 0.341 | 18.014 | 0.281 | 18.029 | 0.244 | 18.041 | 0.222 |
| 15.267 | 0.328 | 15.284 | 0.328 | 15.303 | 0.283 | 15.321 | 0.252 | 18.054 | 0.199 | 18.069 | 0.155 | 18.084 | 0.095 | 18.100 | 0.058 |
| 15.339 | 0.162 | 15.356 | 0.072 | 15.374 | 0.019 | 15.390 | -0.011 | 18.108 | 0.058 | 18.124 | 0.051 | 18.141 | 0.021 | 18.154 | -0.031 |
| 15.407 | -0.011 | 15.419 | -0.011 | 15.434 | -0.034 | 15.452 | -0.071 | 18.170 | -0.144 | 18.184 | -0.256 | 18.204 | -0.309 | 18.219 | -0.489 |
| 15.467 | -0.079 | 15.478 | -0.079 | 15.495 | -0.064 | 15.508 | -0.019 | 18.237 | -0.519 | 18.250 | -0.557 | 18.264 | -0.639 | 18.277 | -0.677 |
| 15.522 | 0.026 | 15.537 | 0.042 | 15.551 | 0.064 | 15.559 | 0.087 | 18.289 | -0.692 | 18.305 | -0.677 | 18.318 | -0.654 | 18.328 | -0.608 |
| 15.574 | 0.109 | 15.589 | 0.067 | 15.599 | 0.057 | 15.606 | 0.042 | 18.342 | -0.563 | 18.355 | -0.563 | 18.369 | -0.540 | 18.380 | -0.532 |
| 15.619 | 0.042 | 15.636 | 0.049 | 15.645 | 0.064 | 15.660 | 0.094 | 18.392 | -0.540 | 18.403 | -0.540 | 18.414 | -0.547 | 18.431 | -0.547 |
| 15.670 | 0.109 | 15.686 | 0.034 | 15.705 | -0.019 | 15.716 | -0.056 | 18.450 | -0.509 | 18.466 | -0.456 | 18.484 | -0.411 | 18.501 | -0.403 |
| 15.734 | -0.041 | 15.750 | -0.011 | 15.758 | 0.011 | 15.768 | 0.026 | 18.450 | -0.366 | 18.531 | -0.329 | 18.544 | -0.284 | 18.560 | -0.246 |
| 15.781 | -0.019 | 15.795 | -0.026 | 15.810 | -0.102 | 15.829 | -0.200 | 18.579 | -0.232 | 18.595 | -0.224 | 18.610 | -0.202 | 18.620 | -0.217 |
| 15.843 | -0.267 | 15.858 | -0.297 | 15.874 | -0.313 | 15.884 | -0.305 | 18.632 | -0.233 | 18.644 | -0.240 | 18.653 | -0.255 | 18.665 | -0.293 |
| 15.895 | -0.275 | 15.903 | -0.260 | 15.917 | -0.275 | 15.929 | -0.297 | 18.681 | -0.331 | 18.694 | -0.385 | 18.708 | -0.446 | 18.720 | -0.491 |
| 15.943 | -0.275 | 15.956 | -0.230 | 15.972 | -0.147 | 15.983 | -0.109 | 18.736 | -0.537 | 18.749 | -0.523 | 18.760 | -0.523 | 18.769 | -0.493 |
| 15.993 | -0.094 | 16.004 | -0.109 | 16.019 | -0.117 | 16.035 | -0.154 | 18.783 | -0.486 | 18.796 | -0.480 | 18.808 | -0.480 | 18.823 | -0.481 |
| 16.041 | -0.154 | 16.049 | -0.154 | 16.057 | -0.154 | 16.067 | -0.147 | 18.834 | -0.511 | 18.850 | -0.535 | 18.859 | -0.580 | 18.877 | -0.619 |
| 16.077 | -0.154 | 16.083 | -0.169 | 16.090 | -0.184 | 16.099 | -0.230 | 18.892 | -0.589 | 18.906 | -0.545 | 18.924 | -0.471 | 18.937 | -0.396 |
| 16.107 | -0.245 | 16.117 | -0.252 | 16.127 | -0.252 | 16.135 | -0.252 | 18.953 | -0.307 | 18.969 | -0.232 | 18.988 | -0.113 | 19.006 | -0.009 |
| 16.143 | -0.252 | 16.151 | -0.252 | 16.159 | -0.260 | 16.170 | -0.260 | 19.027 | 0.086 | 19.043 | 0.155 | 19.059 | 0.176 | 19.072 | 0.198 |
| 16.180 | -0.260 | 16.188 | -0.267 | 16.198 | -0.274 | 16.207 | -0.262 | 19.085 | 0.213 | 19.098 | 0.212 | 19.112 | 0.188 | 19.127 | 0.164 |
| 16.218 | -0.282 | 16.228 | -0.274 | 16.236 | -0.266 | 16.244 | -0.259 | 19.145 | 0.095 | 19.158 | 0.079 | 19.177 | 0.100 | 19.194 | 0.129 |
| 16.254 | -0.251 | 16.270 | -0.266 | 16.278 | -0.266 | 16.291 | -0.228 | 19.212 | 0.158 | 19.226 | 0.179 | 19.244 | 0.133 | 19.260 | 0.079 |
| 16.300 | -0.205 | 16.309 | -0.190 | 16.315 | -0.190 | 16.325 | -0.190 | 19.276 | 0.032 | 19.290 | 0.016 | 19.304 | 0.015 | 19.318 | 0.036 |
| 16.336 | -0.212 | 16.348 | -0.242 | 16.358 | -0.257 | 16.368 | -0.264 | 19.339 | 0.073 | 19.362 | 0.117 | 19.378 | 0.116 | 19.397 | 0.122 |
| 16.378 | -0.242 | 16.387 | -0.219 | 16.400 | -0.196 | 16.409 | -0.181 | 19.412 | 0.137 | 19.428 | 0.158 | 19.444 | 0.165 | 19.458 | 0.194 |
| 16.420 | -0.196 | 16.429 | -0.233 | 16.437 | -0.271 | 16.450 | -0.316 | 19.478 | 0.201 | 19.487 | 0.245 | 19.504 | 0.290 | 19.518 | 0.334 |
| 16.460 | -0.353 | 16.469 | -0.375 | 16.480 | -0.390 | 16.490 | -0.412 | 19.536 | 0.363 | 19.549 | 0.385 | 19.564 | 0.377 | 19.578 | 0.377 |
| 16.499 | -0.427 | 16.513 | -0.434 | 16.522 | -0.441 | 16.532 | -0.449 | 19.590 | 0.377 | 19.608 | 0.377 | 19.623 | 0.376 | 19.635 | 0.376 |
| 16.545 | -0.471 | 16.557 | -0.466 | 16.569 | -0.500 | 16.575 | -0.523 | 19.654 | 0.361 | 19.670 | 0.346 | 19.685 | 0.345 | 19.698 | 0.323 |
| 16.582 | -0.522 | 16.592 | -0.522 | 16.603 | -0.507 | 16.613 | -0.446 | 19.716 | 0.285 | 19.733 | 0.277 | 19.749 | 0.277 | 19.767 | 0.269 |
| 16.625 | -0.385 | 16.638 | -0.280 | 16.653 | -0.234 | 16.669 | -0.203 | 19.786 | 0.269 | 19.805 | 0.223 | 19.815 | 0.216 | 19.830 | 0.215 |
| 16.682 | -0.173 | 16.696 | -0.150 | 16.714 | -0.135 | 16.727 | -0.104 | 19.843 | 0.223 | 19.852 | 0.223 | 19.870 | 0.222 | 19.880 | 0.222 |
| 16.738 | -0.104 | 16.749 | -0.089 | 16.758 | -0.104 | 16.770 | -0.104 | 19.897 | 0.200 | 19.912 | 0.177 | 19.933 | 0.147 | 19.953 | 0.109 |
| 16.780 | -0.111 | 16.786 | -0.126 | 16.796 | -0.126 | 16.807 | -0.118 | 19.968 | 0.102 | 19.981 | 0.102 | 19.997 | 0.087 | 20.014 | 0.087 |
| 16.821 | -0.103 | 16.831 | -0.065 | 16.843 | -0.034 | 16.862 | -0.019 | 20.026 | 0.087 | 20.037 | 0.087 | 20.059 | 0.087 | 20.071 | 0.109 |
| 16.873 | -0.019 | 16.883 | -0.034 | 16.900 | -0.064 | 16.912 | -0.094 | 20.086 | 0.117 | 20.100 | 0.155 | 20.112 | 0.170 | 20.124 | 0.170 |
| 16.921 | -0.131 | 16.934 | -0.139 | 16.946 | -0.169 | 16.958 | -0.154 | 20.139 | 0.147 | 20.154 | 0.124 | 20.169 | 0.094 | 20.181 | 0.072 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 20.195 | C.072 | 20.206 | 0.072 | 20.218 | 0.087 | 20.227 | 0.109 | 23.561 | -0.017 | 23.580 | -0.017 | 23.598 | -0.032 | 23.615 | -0.100 |
| 20.243 | 0.124 | 20.260 | 0.064 | 20.276 | -0.026 | 20.298 | -0.094 | 23.633 | -0.176 | 23.646 | -0.206 | 23.663 | -0.206 | 23.680 | -0.206 |
| 20.316 | -0.154 | 20.338 | -0.169 | 20.352 | -0.177 | 20.366 | -0.177 | 23.699 | -0.206 | 23.711 | -0.206 | 23.730 | -0.207 | 23.742 | -0.207 |
| 20.386 | -0.177 | 20.406 | -0.177 | 20.424 | -0.184 | 20.439 | -0.194 | 23.760 | -0.207 | 23.773 | -0.207 | 23.783 | -0.124 | 23.803 | -0.071 |
| 20.450 | -0.169 | 20.467 | -0.169 | 20.480 | -0.154 | 20.493 | -0.132 | 23.819 | -0.049 | 23.839 | -0.064 | 23.853 | -0.064 | 23.865 | -0.079 |
| 20.507 | -0.124 | 20.524 | -0.117 | 20.538 | -0.102 | 20.552 | -0.102 | 23.882 | -0.076 | 23.897 | -0.080 | 23.911 | 0.050 | 23.931 | 0.080 |
| 20.568 | -0.102 | 20.586 | -0.109 | 20.602 | -0.102 | 20.612 | -0.094 | 23.946 | 0.080 | 23.962 | 0.080 | 23.977 | 0.080 | 24.003 | 0.081 |
| 20.626 | -0.079 | 20.644 | -0.041 | 20.661 | -0.019 | 20.677 | -0.019 | 24.016 | 0.081 | 24.027 | 0.066 | 24.043 | 0.036 | 24.051 | 0.028 |
| 20.656 | -0.026 | 20.712 | -0.041 | 20.727 | -0.041 | 20.740 | -0.041 | 24.061 | -0.002 | 24.072 | -0.039 | 24.083 | -0.054 | 24.097 | -0.054 |
| 20.758 | -0.041 | 20.776 | -0.041 | 20.792 | -0.049 | 20.806 | -0.071 | 24.110 | -0.039 | 24.122 | -0.031 | 24.130 | -0.024 | 24.141 | -0.024 |
| 20.822 | -0.109 | 20.838 | -0.154 | 20.851 | -0.184 | 20.869 | -0.184 | 24.155 | -0.031 | 24.165 | -0.046 | 24.174 | -0.046 | 24.191 | -0.053 |
| 20.885 | -0.162 | 20.899 | -0.109 | 20.916 | -0.079 | 20.928 | -0.079 | 24.207 | -0.053 | 24.220 | -0.066 | 24.235 | -0.052 | 24.244 | -0.037 |
| 20.946 | -0.079 | 20.958 | -0.079 | 20.970 | -0.079 | 20.984 | -0.079 | 24.257 | 0.001 | 24.271 | 0.054 | 24.288 | 0.092 | 24.308 | 0.107 |
| 21.062 | C.034 | 21.072 | 0.049 | 21.084 | 0.087 | 21.095 | 0.095 | 24.326 | 0.100 | 24.344 | 0.123 | 24.362 | 0.130 | 24.381 | 0.130 |
| 21.114 | C.110 | 21.128 | 0.155 | 21.141 | 0.163 | 21.154 | 0.193 | 24.400 | 0.131 | 24.420 | 0.138 | 24.437 | 0.153 | 24.458 | 0.161 |
| 21.169 | C.170 | 21.184 | 0.148 | 21.197 | 0.148 | 21.207 | 0.141 | 24.472 | 0.161 | 24.488 | 0.161 | 24.510 | 0.177 | 24.531 | 0.192 |
| 21.218 | C.133 | 21.234 | 0.134 | 21.249 | 0.133 | 21.263 | 0.133 | 24.548 | 0.192 | 24.561 | 0.177 | 24.575 | 0.154 | 24.595 | 0.147 |
| 21.278 | 0.126 | 21.294 | 0.111 | 21.308 | 0.104 | 21.323 | 0.104 | 24.610 | 0.124 | 24.637 | 0.109 | 24.656 | 0.093 | 24.686 | 0.055 |
| 21.333 | C.104 | 21.347 | 0.104 | 21.358 | 0.150 | 21.373 | 0.165 | 24.703 | 0.055 | 24.721 | 0.040 | 24.730 | 0.040 | 24.739 | 0.025 |
| 21.387 | C.150 | 21.401 | 0.128 | 21.414 | 0.083 | 21.428 | 0.054 | 24.753 | 0.024 | 24.765 | -0.006 | 24.775 | -0.021 | 24.786 | -0.022 |
| 21.448 | 0.068 | 21.463 | 0.083 | 21.479 | 0.136 | 21.489 | 0.167 | 24.801 | -0.014 | 24.817 | -0.007 | 24.834 | -0.008 | 24.848 | -0.008 |
| 21.570 | C.190 | 21.582 | -0.005 | 21.596 | 0.025 | 21.609 | 0.032 | 24.862 | -0.008 | 24.881 | 0.022 | 24.895 | 0.044 | 24.906 | 0.059 |
| 21.621 | 0.048 | 21.639 | 0.070 | 21.655 | 0.101 | 21.672 | 0.116 | 24.928 | 0.073 | 24.947 | 0.066 | 24.967 | 0.035 | 24.983 | 0.005 |
| 21.693 | C.146 | 21.711 | 0.116 | 21.727 | 0.071 | 21.746 | 0.048 | 25.050 | -0.063 | 25.065 | -0.064 | 25.081 | -0.049 | 25.103 | -0.049 |
| 21.759 | 0.033 | 21.777 | 0.003 | 21.794 | 0.026 | 21.812 | 0.079 | 25.121 | -0.049 | 25.132 | -0.049 | 25.148 | -0.056 | 25.160 | -0.071 |
| 21.824 | C.117 | 21.841 | 0.162 | 21.855 | 0.132 | 21.870 | 0.094 | 25.176 | -0.094 | 25.193 | -0.132 | 25.209 | -0.154 | 25.223 | -0.177 |
| 21.888 | C.071 | 21.904 | 0.056 | 21.918 | 0.057 | 21.931 | 0.012 | 25.242 | -0.184 | 25.261 | -0.177 | 25.277 | -0.177 | 25.295 | -0.177 |
| 21.950 | C.027 | 21.966 | -0.057 | 21.980 | -0.057 | 21.993 | -0.057 | 25.306 | -0.177 | 25.320 | -0.177 | 25.337 | -0.178 | 25.355 | -0.177 |
| 22.011 | -C.080 | 22.032 | -0.088 | 22.052 | -0.125 | 22.068 | -0.163 | 25.359 | -0.179 | 25.370 | -0.157 | 25.380 | -0.150 | 25.405 | -0.122 |
| 22.084 | -C.178 | 22.098 | -0.194 | 22.111 | -0.194 | 22.122 | -0.194 | 25.421 | -0.123 | 25.440 | -0.116 | 25.442 | -0.116 | 25.443 | -0.117 |
| 22.142 | -0.186 | 22.159 | -0.164 | 22.174 | -0.202 | 22.196 | -0.255 | 25.444 | -0.117 | 25.445 | -0.117 | 25.446 | -0.117 | 25.448 | -0.117 |
| 22.209 | -C.232 | 22.225 | -0.167 | 22.241 | -0.104 | 22.256 | -0.090 | 25.456 | -0.110 | 25.464 | -0.104 | 25.472 | -0.113 | 25.483 | -0.099 |
| 22.275 | -C.090 | 22.291 | -0.067 | 22.306 | -0.030 | 22.326 | 0.0 | 25.490 | -0.085 | 25.496 | -0.078 | 25.500 | -0.071 | 25.506 | -0.057 |
| 22.338 | C.0 | 22.357 | 0.007 | 22.375 | 0.015 | 22.396 | 0.007 | 25.509 | -0.058 | 25.512 | -0.050 | 25.518 | -0.036 | 25.526 | -0.030 |
| 22.408 | -0.031 | 22.425 | -0.069 | 22.445 | -0.039 | 22.459 | -0.024 | 25.532 | -0.023 | 25.539 | -0.016 | 25.545 | -0.017 | 25.550 | -0.026 |
| 22.475 | -C.009 | 22.492 | -0.025 | 22.511 | -0.048 | 22.523 | -0.078 | 25.559 | -0.034 | 25.562 | -0.035 | 25.567 | -0.035 | 25.572 | -0.036 |
| 22.541 | -0.093 | 22.555 | -0.071 | 22.571 | -0.056 | 22.584 | -0.071 | 25.577 | -0.059 | 25.580 | -0.037 | 25.587 | -0.045 | 25.592 | -0.053 |
| 22.597 | -0.094 | 22.608 | -0.102 | 22.622 | -0.132 | 22.636 | -0.118 | 25.599 | -0.053 | 25.604 | -0.061 | 25.610 | -0.069 | 25.619 | -0.070 |
| 22.647 | -0.118 | 22.663 | -0.095 | 22.680 | -0.058 | 22.692 | -0.015 | 25.623 | -0.085 | 25.632 | -0.101 | 25.641 | -0.094 | 25.646 | -0.102 |
| 22.714 | C.024 | 22.729 | 0.009 | 22.745 | -0.022 | 22.758 | -0.052 | 25.652 | -0.073 | 25.663 | -0.089 | 25.676 | -0.082 | 25.680 | -0.075 |
| 22.769 | -0.067 | 22.786 | -0.083 | 22.801 | -0.045 | 22.811 | 0.0 | 25.691 | -0.090 | 25.699 | -0.060 | 25.707 | -0.060 | 25.717 | -0.053 |
| 22.829 | 0.037 | 22.845 | 0.097 | 22.860 | 0.112 | 22.871 | 0.119 | 25.728 | -0.053 | 25.739 | -0.038 | 25.749 | -0.030 | 25.759 | -0.023 |
| 22.888 | C.141 | 22.898 | 0.186 | 22.907 | 0.238 | 22.920 | 0.253 | 25.768 | -0.007 | 25.779 | 0.0 | 25.791 | 0.030 | 25.802 | 0.053 |
| 22.936 | C.290 | 22.953 | 0.282 | 22.968 | 0.252 | 22.981 | 0.229 | 25.814 | 0.030 | 25.824 | 0.060 | 25.836 | 0.083 | 25.843 | 0.075 |
| 22.996 | C.183 | 23.014 | 0.130 | 23.030 | 0.107 | 23.045 | 0.084 | 25.848 | 0.090 | 25.855 | 0.083 | 25.862 | 0.068 | 25.868 | 0.060 |
| 23.056 | C.039 | 23.070 | 0.031 | 23.082 | -0.015 | 23.092 | -0.030 | 25.873 | 0.053 | 25.880 | 0.060 | 25.890 | 0.075 | 25.897 | 0.090 |
| 23.102 | -0.030 | 23.115 | -0.061 | 23.129 | -0.061 | 23.136 | -0.039 | 25.908 | 0.113 | 25.915 | 0.143 | 25.921 | 0.158 | 25.930 | 0.166 |
| 23.147 | -0.024 | 23.160 | -0.009 | 23.168 | 0.006 | 23.183 | -0.047 | 25.941 | 0.181 | 25.955 | 0.203 | 25.963 | 0.203 | 25.975 | 0.219 |
| 23.197 | -0.085 | 23.211 | -0.101 | 23.220 | -0.139 | 23.235 | -0.089 | 25.984 | 0.226 | 25.995 | 0.211 | 26.008 | 0.203 | 26.015 | 0.195 |
| 23.247 | -0.049 | 23.261 | -0.026 | 23.274 | -0.027 | 23.292 | 0.026 | 26.026 | 0.195 | 26.038 | 0.187 | 26.051 | 0.210 | 26.063 | 0.224 |
| 23.305 | C.040 | 23.317 | 0.063 | 23.334 | 0.085 | 23.350 | 0.115 | 26.075 | 0.224 | 26.085 | 0.232 | 26.092 | 0.232 | 26.105 | 0.239 |
| 23.372 | 0.137 | 23.386 | 0.129 | 23.397 | 0.129 | 23.411 | 0.084 | 26.116 | 0.239 | 26.126 | 0.254 | 26.138 | 0.269 | 26.151 | 0.277 |
| 23.436 | 0.061 | 23.454 | 0.083 | 23.470 | 0.113 | 23.493 | 0.075 | 26.163 | 0.269 | 26.178 | 0.307 | 26.188 | 0.307 | 26.201 | 0.292 |
| 23.506 | 0.029 | 23.517 | -0.009 | 23.531 | -0.024 | 23.546 | -0.024 | 26.212 | 0.269 | 26.225 | 0.453 | 26.239 | 0.231 | 26.248 | 0.223 |
| | | | | | | | | 26.256 | 0.200 | 26.265 | 0.185 | 26.276 | 0.185 | 26.287 | 0.177 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 26.259 | 0.162 | 26.307 | 0.162 | 26.320 | 0.161 | 26.332 | 0.160 | 28.632 | -0.205 | 28.644 | -0.213 | 28.658 | -0.258 | 28.664 | -0.243 |
| 26.362 | 0.151 | 26.348 | 0.173 | 26.357 | 0.173 | 26.365 | 0.172 | 28.675 | -0.259 | 28.684 | -0.267 | 28.694 | -0.275 | 28.702 | -0.275 |
| 26.373 | 0.171 | 26.390 | 0.147 | 26.399 | 0.162 | 26.408 | 0.146 | 28.715 | -0.268 | 28.725 | -0.246 | 28.739 | -0.244 | 28.757 | -0.217 |
| 26.420 | 0.145 | 26.431 | 0.137 | 26.437 | 0.122 | 26.447 | 0.121 | 28.770 | -0.195 | 28.788 | -0.181 | 28.796 | -0.173 | 28.807 | -0.174 |
| 26.460 | 0.144 | 26.467 | 0.151 | 26.483 | 0.180 | 26.492 | 0.195 | 28.815 | -0.197 | 28.821 | -0.197 | 28.831 | -0.205 | 28.841 | -0.227 |
| 26.495 | 0.203 | 26.509 | 0.202 | 26.522 | 0.209 | 26.531 | 0.194 | 28.854 | -0.243 | 28.866 | -0.258 | 28.877 | -0.261 | 28.891 | -0.274 |
| 26.541 | 0.179 | 26.551 | 0.164 | 26.565 | 0.135 | 26.573 | 0.112 | 28.892 | -0.274 | 28.897 | -0.267 | 28.909 | -0.280 | 28.921 | -0.245 |
| 26.576 | 0.097 | 26.584 | 0.082 | 26.594 | 0.067 | 26.605 | 0.060 | 28.931 | -0.245 | 28.943 | -0.245 | 28.955 | -0.246 | 28.966 | -0.246 |
| 26.618 | 0.060 | 26.626 | 0.068 | 26.635 | 0.068 | 26.646 | 0.068 | 28.979 | -0.261 | 28.988 | -0.254 | 29.000 | -0.247 | 29.005 | -0.232 |
| 26.657 | 0.060 | 26.668 | 0.037 | 26.677 | 0.022 | 26.685 | 0.001 | 29.015 | -0.209 | 29.025 | -0.194 | 29.036 | -0.179 | 29.047 | -0.180 |
| 26.695 | -0.039 | 26.702 | -0.054 | 26.711 | -0.077 | 26.721 | -0.100 | 29.055 | -0.172 | 29.068 | -0.173 | 29.081 | -0.181 | 29.093 | -0.166 |
| 26.732 | -0.123 | 26.738 | -0.138 | 26.745 | -0.153 | 26.751 | -0.161 | 29.101 | -0.174 | 29.111 | -0.167 | 29.124 | -0.160 | 29.132 | -0.138 |
| 26.761 | -0.161 | 26.769 | -0.169 | 26.778 | -0.169 | 26.788 | -0.169 | 29.140 | -0.115 | 29.148 | -0.101 | 29.162 | -0.100 | 29.176 | -0.072 |
| 26.795 | -0.169 | 26.804 | -0.177 | 26.815 | -0.185 | 26.822 | -0.192 | 29.182 | -0.072 | 29.191 | -0.057 | 29.205 | -0.050 | 29.211 | -0.043 |
| 26.834 | -0.200 | 26.845 | -0.208 | 26.854 | -0.223 | 26.862 | -0.200 | 29.221 | -0.028 | 29.232 | -0.014 | 29.240 | -0.006 | 29.251 | 0.008 |
| 26.871 | -0.185 | 26.885 | -0.170 | 26.894 | -0.156 | 26.902 | -0.141 | 29.259 | 0.015 | 29.269 | 0.030 | 29.277 | 0.030 | 29.286 | 0.037 |
| 26.911 | -0.141 | 26.918 | -0.156 | 26.926 | -0.149 | 26.934 | -0.134 | 29.296 | 0.044 | 29.306 | 0.052 | 29.312 | 0.052 | 29.320 | 0.044 |
| 26.944 | -0.134 | 26.955 | -0.142 | 26.963 | -0.150 | 26.971 | -0.165 | 29.333 | 0.044 | 29.341 | 0.066 | 29.350 | 0.081 | 29.362 | 0.111 |
| 26.980 | -0.181 | 26.988 | -0.189 | 26.996 | -0.212 | 27.009 | -0.227 | 29.376 | 0.133 | 29.387 | 0.148 | 29.399 | 0.155 | 29.409 | 0.178 |
| 27.020 | -0.228 | 27.031 | -0.221 | 27.038 | -0.201 | 27.051 | -0.237 | 29.420 | 0.162 | 29.428 | 0.155 | 29.431 | 0.162 | 29.439 | 0.162 |
| 27.062 | -0.230 | 27.076 | -0.223 | 27.088 | -0.201 | 27.094 | -0.193 | 29.451 | 0.154 | 29.460 | 0.132 | 29.468 | 0.124 | 29.480 | 0.116 |
| 27.107 | -0.209 | 27.117 | -0.201 | 27.127 | -0.194 | 27.137 | -0.187 | 29.489 | 0.101 | 29.497 | 0.094 | 29.508 | 0.048 | 29.518 | 0.063 |
| 27.148 | -0.195 | 27.160 | -0.210 | 27.171 | -0.218 | 27.181 | -0.233 | 29.529 | 0.048 | 29.538 | 0.033 | 29.552 | 0.040 | 29.561 | 0.039 |
| 27.194 | -0.249 | 27.203 | -0.249 | 27.221 | -0.233 | 27.232 | -0.218 | 29.576 | 0.032 | 29.586 | 0.040 | 29.597 | 0.047 | 29.616 | 0.039 |
| 27.244 | -0.203 | 27.260 | -0.173 | 27.275 | -0.166 | 27.284 | -0.158 | 29.631 | 0.039 | 29.644 | 0.039 | 29.658 | 0.053 | 29.672 | 0.061 |
| 27.294 | -0.136 | 27.306 | -0.128 | 27.319 | -0.098 | 27.325 | -0.090 | 29.686 | 0.068 | 29.700 | 0.067 | 29.716 | 0.062 | 29.728 | 0.104 |
| 27.335 | -0.090 | 27.343 | -0.075 | 27.355 | -0.060 | 27.365 | -0.045 | 29.742 | 0.104 | 29.758 | 0.111 | 29.767 | 0.126 | 29.779 | 0.141 |
| 27.374 | -0.038 | 27.386 | -0.023 | 27.393 | -0.053 | 27.403 | -0.053 | 29.790 | 0.156 | 29.800 | 0.156 | 29.808 | 0.149 | 29.827 | 0.141 |
| 27.414 | -0.076 | 27.422 | -0.069 | 27.432 | -0.054 | 27.442 | -0.040 | 29.839 | 0.119 | 29.854 | 0.119 | 29.862 | 0.089 | 29.877 | 0.081 |
| 27.450 | -0.017 | 27.459 | -0.013 | 27.469 | 0.035 | 27.477 | 0.035 | 29.886 | 0.066 | 29.896 | 0.058 | 29.908 | 0.051 | 29.922 | 0.058 |
| 27.486 | 0.042 | 27.493 | 0.072 | 27.500 | 0.071 | 27.511 | 0.078 | 29.936 | 0.051 | 29.952 | 0.051 | 29.969 | 0.036 | 29.986 | 0.014 |
| 27.522 | 0.070 | 27.532 | 0.069 | 27.541 | 0.076 | 27.554 | 0.068 | 29.997 | 0.014 | 30.011 | -0.001 | 30.027 | -0.031 | 30.041 | -0.053 |
| 27.565 | 0.074 | 27.577 | 0.088 | 27.589 | 0.103 | 27.599 | 0.109 | 30.053 | -0.061 | 30.063 | -0.068 | 30.077 | -0.061 | 30.092 | -0.068 |
| 27.607 | 0.124 | 27.618 | 0.131 | 27.627 | 0.139 | 27.644 | 0.168 | 30.110 | -0.083 | 30.121 | -0.060 | 30.131 | -0.060 | 30.144 | -0.061 |
| 27.658 | 0.176 | 27.670 | 0.198 | 27.681 | 0.213 | 27.691 | 0.220 | 30.155 | -0.061 | 30.165 | -0.076 | 30.175 | -0.084 | 30.189 | -0.084 |
| 27.702 | 0.235 | 27.713 | 0.235 | 27.722 | 0.243 | 27.733 | 0.243 | 30.198 | -0.099 | 30.207 | -0.099 | 30.216 | -0.107 | 30.231 | -0.107 |
| 27.745 | 0.243 | 27.754 | 0.228 | 27.764 | 0.220 | 27.771 | 0.213 | 30.242 | -0.107 | 30.252 | -0.085 | 30.262 | -0.070 | 30.277 | -0.070 |
| 27.781 | 0.220 | 27.794 | 0.213 | 27.804 | 0.213 | 27.813 | 0.235 | 30.285 | -0.062 | 30.295 | -0.055 | 30.305 | -0.048 | 30.316 | -0.048 |
| 27.830 | 0.235 | 27.835 | 0.227 | 27.847 | 0.219 | 27.852 | 0.212 | 30.326 | -0.063 | 30.332 | -0.078 | 30.352 | -0.086 | 30.368 | -0.094 |
| 27.864 | 0.196 | 27.870 | 0.196 | 27.882 | 0.188 | 27.892 | 0.180 | 30.382 | -0.079 | 30.396 | -0.079 | 30.411 | -0.079 | 30.427 | -0.087 |
| 27.905 | 0.165 | 27.915 | 0.165 | 27.927 | 0.172 | 27.937 | 0.164 | 30.442 | -0.094 | 30.456 | -0.117 | 30.470 | -0.124 | 30.484 | -0.124 |
| 27.950 | 0.171 | 27.966 | 0.149 | 27.977 | 0.171 | 27.993 | 0.186 | 30.503 | -0.124 | 30.516 | -0.132 | 30.535 | -0.124 | 30.552 | -0.132 |
| 28.008 | 0.171 | 28.017 | 0.178 | 28.022 | 0.193 | 28.034 | 0.215 | 30.572 | -0.132 | 30.583 | -0.139 | 30.598 | -0.132 | 30.612 | -0.117 |
| 28.046 | 0.215 | 28.055 | 0.230 | 28.070 | 0.222 | 28.080 | 0.237 | 30.630 | -0.102 | 30.646 | -0.094 | 30.659 | -0.094 | 30.675 | -0.087 |
| 28.090 | 0.237 | 28.096 | 0.229 | 28.105 | 0.222 | 28.116 | 0.207 | 30.696 | -0.079 | 30.708 | -0.064 | 30.725 | -0.041 | 30.745 | -0.019 |
| 28.125 | 0.191 | 28.138 | 0.176 | 28.148 | 0.161 | 28.159 | 0.161 | 30.764 | -0.019 | 30.781 | -0.011 | 30.796 | -0.011 | 30.810 | -0.019 |
| 28.170 | 0.176 | 28.180 | 0.160 | 28.192 | 0.160 | 28.203 | 0.152 | 30.832 | 0.011 | 30.845 | 0.042 | 30.858 | 0.057 | 30.874 | 0.094 |
| 28.211 | 0.137 | 28.220 | 0.121 | 28.231 | 0.098 | 28.239 | 0.068 | 30.883 | 0.109 | 30.895 | 0.124 | 30.908 | 0.132 | 30.919 | 0.155 |
| 28.250 | 0.032 | 28.259 | 0.029 | 28.270 | 0.006 | 28.284 | -0.032 | 30.940 | 0.147 | 30.947 | 0.147 | 30.958 | 0.132 | 30.969 | 0.117 |
| 28.296 | -0.063 | 28.307 | -0.056 | 28.320 | -0.079 | 28.331 | -0.086 | 30.980 | 0.102 | 30.992 | 0.087 | 31.010 | 0.072 | 31.021 | 0.079 |
| 28.344 | -0.094 | 28.355 | -0.102 | 28.365 | -0.110 | 28.381 | -0.125 | 31.055 | 0.094 | 31.072 | 0.094 | 31.095 | 0.102 | 31.114 | 0.109 |
| 28.397 | -0.133 | 28.407 | -0.141 | 28.418 | -0.156 | 28.432 | -0.164 | 31.130 | 0.117 | 31.140 | 0.147 | 31.160 | 0.162 | 31.175 | 0.155 |
| 28.444 | -0.172 | 28.457 | -0.180 | 28.472 | -0.210 | 28.486 | -0.226 | 31.196 | 0.155 | 31.217 | 0.154 | 31.238 | 0.147 | 31.254 | 0.146 |
| 28.455 | -0.241 | 28.507 | -0.249 | 28.517 | -0.249 | 28.527 | -0.257 | 31.269 | 0.161 | 31.284 | 0.206 | 31.302 | 0.221 | 31.312 | 0.244 |
| 28.539 | -0.242 | 28.553 | -0.242 | 28.564 | -0.234 | 28.573 | -0.220 | 31.326 | 0.251 | 31.339 | 0.266 | 31.356 | 0.266 | 31.367 | 0.236 |
| 28.584 | -0.220 | 28.595 | -0.212 | 28.607 | -0.197 | 28.619 | -0.205 | 31.373 | 0.228 | 31.394 | 0.220 | 31.409 | 0.220 | 31.428 | 0.235 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 31.443 | C.242 | 31.456 | 0.235 | 31.472 | 0.242 | 31.487 | 0.234 | 35.473 | -0.092 | 35.485 | -0.122 | 35.503 | -0.137 | 35.517 | -0.152 |
| 31.503 | C.242 | 31.522 | 0.227 | 31.541 | 0.204 | 31.558 | 0.181 | 35.533 | -0.183 | 35.551 | -0.229 | 35.567 | -0.238 | 35.589 | -0.246 |
| 31.576 | C.143 | 31.598 | 0.098 | 31.615 | 0.082 | 31.633 | 0.059 | 35.614 | -0.247 | 35.635 | -0.241 | 35.648 | -0.249 | 35.664 | -0.227 |
| 31.668 | C.044 | 31.668 | 0.029 | 31.689 | 0.029 | 31.705 | 0.013 | 35.681 | -0.175 | 35.691 | -0.131 | 35.699 | -0.116 | 35.713 | -0.094 |
| 31.728 | C.005 | 31.748 | -0.011 | 31.759 | -0.019 | 31.777 | -0.013 | 35.729 | -0.103 | 35.753 | -0.111 | 35.784 | -0.128 | 35.803 | -0.122 |
| 31.794 | -0.035 | 31.810 | -0.005 | 31.828 | -0.013 | 31.839 | -0.006 | 35.822 | -0.108 | 35.844 | -0.124 | 35.864 | -0.126 | 35.882 | -0.127 |
| 31.853 | C.001 | 31.863 | 0.023 | 31.877 | 0.015 | 31.896 | 0.0 | 35.895 | -0.090 | 35.908 | -0.075 | 35.926 | -0.098 | 35.939 | -0.114 |
| 31.910 | C.031 | 31.920 | 0.046 | 31.933 | 0.069 | 31.946 | 0.092 | 35.939 | -0.159 | 35.970 | -0.205 | 35.984 | -0.228 | 35.996 | -0.205 |
| 31.963 | -0.092 | 31.972 | 0.077 | 31.989 | -0.085 | 32.006 | -0.093 | 36.016 | -0.206 | 36.034 | -0.184 | 36.051 | -0.176 | 36.071 | -0.169 |
| 32.022 | -0.109 | 32.040 | -0.132 | 32.054 | -0.139 | 32.070 | -0.177 | 36.092 | -0.159 | 36.103 | -0.124 | 36.120 | -0.117 | 36.140 | -0.109 |
| 32.089 | -0.184 | 32.109 | -0.215 | 32.137 | -0.222 | 32.161 | -0.244 | 36.157 | -0.071 | 36.176 | -0.079 | 36.196 | -0.079 | 36.219 | -0.087 |
| 32.150 | -C.222 | 32.217 | -0.230 | 32.238 | -0.237 | 32.259 | -0.245 | 36.231 | -0.087 | 36.250 | -0.064 | 36.263 | -0.093 | 36.277 | -0.018 |
| 32.267 | -0.252 | 32.287 | -0.275 | 32.303 | -0.282 | 32.325 | -0.254 | 36.293 | 0.048 | 36.307 | 0.078 | 36.323 | 0.093 | 36.344 | 0.078 |
| 32.345 | -C.230 | 32.363 | -0.207 | 32.379 | -0.193 | 32.396 | -0.201 | 36.360 | 0.100 | 36.379 | 0.115 | 36.390 | 0.122 | 36.407 | 0.136 |
| 32.415 | -C.209 | 32.440 | -0.209 | 32.460 | -0.195 | 32.480 | -0.188 | 36.424 | 0.136 | 36.445 | 0.120 | 36.455 | 0.120 | 36.468 | 0.120 |
| 32.507 | -C.188 | 32.536 | -0.189 | 32.563 | -0.191 | 32.581 | -0.169 | 36.488 | 0.115 | 36.508 | 0.134 | 36.521 | 0.111 | 36.540 | 0.080 |
| 32.596 | -0.118 | 32.604 | -0.111 | 32.623 | -0.097 | 32.639 | -0.090 | 36.555 | 0.073 | 36.567 | 0.042 | 36.576 | 0.042 | 36.589 | 0.057 |
| 32.661 | -0.099 | 32.687 | -0.101 | 32.707 | -0.101 | 32.742 | -0.110 | 36.612 | 0.057 | 36.629 | 0.049 | 36.650 | 0.049 | 36.671 | 0.048 |
| 32.769 | -0.074 | 32.793 | -0.037 | 32.809 | -0.015 | 32.828 | -0.008 | 36.692 | 0.048 | 36.707 | 0.063 | 36.718 | 0.062 | 36.731 | 0.077 |
| 32.845 | C.038 | 32.866 | 0.054 | 32.881 | 0.054 | 32.907 | 0.032 | 36.747 | 0.062 | 36.759 | 0.031 | 36.773 | 0.068 | 36.784 | 0.068 |
| 32.919 | C.039 | 32.938 | 0.062 | 32.958 | 0.085 | 32.975 | 0.108 | 36.798 | 0.090 | 36.812 | 0.097 | 36.830 | 0.111 | 36.840 | 0.119 |
| 32.993 | C.131 | 33.010 | 0.139 | 33.031 | 0.146 | 33.048 | 0.162 | 36.856 | 0.118 | 36.866 | 0.102 | 36.881 | 0.072 | 36.897 | 0.056 |
| 33.065 | 0.185 | 33.084 | 0.200 | 33.103 | 0.186 | 33.122 | 0.156 | 36.907 | 0.040 | 36.922 | -0.032 | 36.939 | 0.032 | 36.942 | -0.054 |
| 33.135 | C.164 | 33.160 | 0.165 | 33.176 | 0.165 | 33.195 | 0.181 | 36.981 | 0.015 | 37.004 | -0.023 | 37.023 | -0.039 | 37.042 | -0.054 |
| 33.216 | C.174 | 33.238 | 0.181 | 33.251 | 0.174 | 33.273 | 0.151 | 37.060 | -0.055 | 37.090 | -0.055 | 37.105 | -0.048 | 37.121 | -0.056 |
| 33.296 | C.128 | 33.323 | 0.083 | 33.345 | 0.067 | 33.358 | 0.060 | 37.143 | -0.056 | 37.166 | -0.064 | 37.177 | -0.094 | 37.195 | -0.087 |
| 33.380 | C.058 | 33.398 | 0.072 | 33.419 | 0.086 | 33.435 | 0.108 | 37.206 | -0.117 | 37.230 | -0.124 | 37.243 | -0.139 | 37.261 | -0.147 |
| 33.455 | C.100 | 33.472 | 0.108 | 33.489 | 0.085 | 33.510 | 0.077 | 37.275 | -0.162 | 37.290 | -0.200 | 37.302 | -0.184 | 37.319 | -0.177 |
| 33.526 | 0.047 | 33.543 | 0.032 | 33.567 | -0.005 | 33.580 | -0.013 | 37.344 | -0.162 | 37.356 | -0.154 | 37.373 | -0.154 | 37.386 | -0.162 |
| 33.604 | -C.021 | 33.621 | -0.036 | 33.641 | -0.009 | 33.659 | -0.016 | 37.397 | -0.184 | 37.405 | -0.207 | 37.415 | -0.215 | 37.426 | -0.192 |
| 33.674 | C.001 | 33.693 | 0.0 | 33.709 | -0.030 | 33.724 | -0.061 | 37.447 | -0.177 | 37.454 | -0.169 | 37.467 | -0.154 | 37.481 | -0.139 |
| 33.733 | -0.092 | 33.752 | -0.122 | 33.768 | -0.146 | 33.781 | -0.139 | 37.494 | -0.094 | 37.504 | -0.117 | 37.517 | -0.094 | 37.526 | -0.087 |
| 33.801 | -0.124 | 33.817 | -0.140 | 33.833 | -0.133 | 33.866 | -0.157 | 37.541 | -0.094 | 37.552 | -0.102 | 37.565 | -0.117 | 37.574 | -0.117 |
| 33.898 | -0.189 | 33.921 | -0.206 | 33.944 | -0.207 | 33.971 | -0.209 | 37.596 | -0.124 | 37.605 | -0.139 | 37.617 | -0.109 | 37.628 | -0.109 |
| 33.998 | -0.195 | 34.023 | -0.174 | 34.042 | -0.146 | 34.057 | -0.124 | 37.637 | -0.087 | 37.655 | -0.094 | 37.668 | -0.064 | 37.676 | -0.072 |
| 34.081 | -0.119 | 34.098 | -0.105 | 34.111 | -0.099 | 34.126 | -0.092 | 37.687 | -0.080 | 37.700 | -0.087 | 37.713 | -0.110 | 37.728 | -0.088 |
| 34.136 | -0.093 | 34.154 | -0.080 | 34.174 | -0.058 | 34.198 | -0.059 | 37.743 | -0.080 | 37.761 | -0.065 | 37.780 | -0.058 | 37.800 | -0.051 |
| 34.219 | -0.067 | 34.240 | -0.083 | 34.276 | -0.069 | 34.311 | -0.071 | 37.810 | -0.021 | 37.838 | -0.014 | 37.855 | 0.008 | 37.872 | 0.022 |
| 34.233 | -0.071 | 34.259 | -0.064 | 34.284 | -0.065 | 34.309 | -0.065 | 37.893 | 0.044 | 37.915 | 0.051 | 37.941 | 0.050 | 37.958 | 0.050 |
| 34.420 | -0.042 | 34.441 | -0.020 | 34.455 | 0.002 | 34.468 | 0.010 | 38.040 | 0.056 | 38.054 | 0.121 | 38.071 | 0.143 | 38.086 | 0.135 |
| 34.482 | C.032 | 34.499 | 0.047 | 34.512 | 0.061 | 34.523 | 0.076 | 38.100 | 0.127 | 38.110 | 0.112 | 38.125 | 0.104 | 38.150 | 0.103 |
| 34.535 | C.091 | 34.558 | 0.105 | 34.565 | 0.120 | 34.576 | 0.120 | 38.172 | 0.109 | 38.186 | 0.130 | 38.200 | 0.160 | 38.223 | 0.173 |
| 34.592 | C.120 | 34.609 | 0.127 | 34.622 | 0.126 | 34.639 | 0.126 | 38.240 | 0.157 | 38.252 | 0.096 | 38.270 | 0.109 | 38.289 | 0.091 |
| 34.645 | 0.133 | 34.665 | 0.147 | 34.684 | 0.154 | 34.698 | 0.161 | 38.309 | 0.089 | 38.332 | 0.078 | 38.348 | 0.038 | 38.360 | -0.001 |
| 34.721 | C.161 | 34.740 | 0.160 | 34.757 | 0.159 | 34.772 | 0.174 | 38.379 | -0.010 | 38.404 | -0.029 | 38.420 | -0.011 | 38.429 | 0.014 |
| 34.787 | C.181 | 34.807 | 0.180 | 34.820 | 0.179 | 34.838 | 0.171 | 38.449 | 0.031 | 38.455 | 0.070 | 38.471 | 0.078 | 38.483 | 0.077 |
| 34.854 | C.162 | 34.873 | 0.154 | 34.887 | 0.146 | 34.897 | 0.145 | 38.495 | 0.077 | 38.507 | 0.054 | 38.512 | 0.040 | | |
| 34.910 | C.129 | 34.922 | 0.106 | 34.940 | 0.105 | 34.953 | 0.090 | | | | | | | | |
| 34.965 | C.097 | 34.977 | 0.104 | 34.996 | 0.103 | 35.012 | 0.102 | | | | | | | | |
| 35.030 | C.108 | 35.043 | 0.115 | 35.053 | 0.122 | 35.072 | 0.122 | | | | | | | | |
| 35.097 | C.120 | 35.107 | 0.105 | 35.124 | 0.089 | 35.138 | 0.096 | | | | | | | | |
| 35.163 | C.087 | 35.165 | 0.072 | 35.178 | 0.041 | 35.189 | -0.005 | | | | | | | | |
| 35.200 | 0.003 | 35.218 | 0.002 | 35.234 | 0.009 | 35.249 | 0.032 | | | | | | | | |
| 35.261 | 0.046 | 35.273 | 0.054 | 35.284 | 0.053 | 35.302 | 0.038 | | | | | | | | |
| 35.323 | 0.023 | 35.344 | -0.015 | 35.358 | -0.008 | 35.374 | -0.031 | | | | | | | | |
| 35.395 | -0.046 | 35.414 | -0.054 | 35.435 | -0.054 | 35.452 | -0.084 | | | | | | | | |

71-169. 2/9/71 0600PST 9100 WILSHIRE BOULEVARD, 5TH FLOOR, BEVERLY HILLS, CAL. EAST

2755 POINTS 38.339 SECONDS

USCALED 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 ADJUSTMENT, IS 0.2782 G/10.

[illegible]

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 3.582 | 0.013 | 3.592 | 0.034 | 3.602 | 0.090 | 3.614 | 0.090 | 5.968 | 1.090 | 5.978 | 1.140 | 5.987 | 1.168 | 5.994 | 1.189 |
| 3.634 | 0.082 | 3.656 | 0.089 | 3.670 | 0.082 | 3.680 | 0.054 | 6.003 | 1.239 | 6.009 | 1.289 | 6.014 | 1.310 | 6.018 | 1.325 |
| 3.691 | 0.004 | 3.704 | -0.038 | 3.724 | -0.059 | 3.738 | -0.081 | 6.024 | 1.325 | 6.030 | 1.254 | 6.040 | 1.056 | 6.048 | 0.787 |
| 3.754 | -0.087 | 3.763 | -0.073 | 3.773 | -0.052 | 3.783 | -0.059 | 6.057 | 0.525 | 6.061 | 0.362 | 6.083 | 0.029 | 6.100 | -0.361 |
| 3.795 | -0.073 | 3.804 | -0.101 | 3.813 | -0.080 | 3.824 | -0.079 | 6.114 | -0.630 | 6.122 | -0.750 | 6.131 | -0.849 | 6.140 | -0.991 |
| 3.833 | -0.086 | 3.841 | -0.108 | 3.851 | -0.114 | 3.859 | -0.114 | 6.150 | -1.182 | 6.158 | -1.296 | 6.164 | -1.345 | 6.170 | -1.388 |
| 3.869 | -0.114 | 3.876 | -0.100 | 3.885 | -0.086 | 3.895 | -0.071 | 6.176 | -1.416 | 6.182 | -1.410 | 6.194 | -1.367 | 6.205 | -1.340 |
| 3.917 | -0.064 | 3.925 | -0.057 | 3.935 | -0.043 | 3.952 | 0.007 | 6.209 | -1.297 | 6.217 | -1.227 | 6.221 | -1.142 | 6.227 | -0.979 |
| 3.974 | 0.107 | 3.981 | 0.121 | 3.988 | 0.128 | 3.995 | 0.114 | 6.238 | -0.604 | 6.245 | -0.406 | 6.248 | -0.292 | 6.252 | -0.222 |
| 4.005 | 0.100 | 4.015 | 0.057 | 4.021 | 0.029 | 4.036 | 0.007 | 6.256 | -0.194 | 6.259 | -0.165 | 6.265 | -0.166 | 6.276 | -0.173 |
| 4.065 | -0.029 | 4.089 | -0.058 | 4.100 | -0.079 | 4.110 | -0.101 | 6.283 | -0.195 | 6.288 | -0.216 | 6.299 | -0.267 | 6.302 | -0.309 |
| 4.122 | -0.144 | 4.130 | -0.165 | 4.137 | -0.172 | 4.147 | -0.151 | 6.311 | -0.423 | 6.315 | -0.403 | 6.320 | -0.501 | 6.327 | -0.495 |
| 4.160 | -0.116 | 4.178 | -0.046 | 4.195 | 0.003 | 4.204 | 0.024 | 6.334 | -0.452 | 6.342 | -0.403 | 6.357 | -0.128 | 6.375 | 0.127 |
| 4.216 | 0.038 | 4.241 | 0.031 | 4.258 | 0.023 | 4.274 | 0.002 | 6.394 | 0.396 | 6.412 | 0.630 | 6.420 | 0.736 | 6.425 | 0.764 |
| 4.293 | 0.027 | 4.306 | -0.049 | 4.315 | -0.077 | 4.323 | -0.098 | 6.431 | 0.778 | 6.435 | 0.764 | 6.439 | 0.750 | 6.444 | 0.736 |
| 4.330 | -0.112 | 4.339 | -0.091 | 4.348 | -0.062 | 4.359 | -0.013 | 6.449 | 0.771 | 6.460 | 0.849 | 6.463 | 0.871 | 6.468 | 0.878 |
| 4.365 | 0.009 | 4.379 | 0.037 | 4.389 | 0.080 | 4.406 | 0.144 | 6.475 | 0.871 | 6.480 | 0.828 | 6.486 | 0.694 | 6.494 | 0.580 |
| 4.415 | 0.158 | 4.426 | 0.165 | 4.435 | 0.151 | 4.443 | 0.123 | 6.500 | 0.453 | 6.510 | 0.247 | 6.513 | 0.162 | 6.520 | 0.084 |
| 4.456 | 0.038 | 4.478 | -0.139 | 4.486 | -0.195 | 4.494 | -0.216 | 6.536 | -0.064 | 6.546 | -0.206 | 6.556 | -0.276 | 6.564 | -0.354 |
| 4.503 | -0.209 | 4.513 | -0.174 | 4.524 | -0.152 | 4.531 | -0.131 | 6.574 | -0.496 | 6.594 | -0.750 | 6.599 | -0.828 | 6.603 | -0.857 |
| 4.544 | -0.116 | 4.555 | -0.109 | 4.572 | -0.095 | 4.589 | -0.074 | 6.608 | -0.871 | 6.618 | -0.878 | 6.624 | -0.871 | 6.632 | -0.850 |
| 4.605 | -0.067 | 4.618 | -0.067 | 4.628 | -0.068 | 4.639 | -0.082 | 6.639 | -0.786 | 6.656 | -0.645 | 6.671 | -0.510 | 6.677 | -0.468 |
| 4.653 | -0.110 | 4.661 | -0.139 | 4.671 | -0.132 | 4.686 | -0.125 | 6.685 | -0.440 | 6.690 | -0.425 | 6.699 | -0.411 | 6.706 | -0.412 |
| 4.698 | -0.111 | 4.708 | -0.090 | 4.721 | -0.048 | 4.731 | -0.005 | 6.714 | -0.426 | 6.723 | -0.454 | 6.731 | -0.511 | 6.738 | -0.533 |
| 4.737 | 0.030 | 4.745 | 0.058 | 4.753 | 0.072 | 4.766 | 0.079 | 6.746 | -0.519 | 6.755 | -0.526 | 6.764 | -0.527 | 6.776 | -0.513 |
| 4.779 | 0.065 | 4.787 | 0.050 | 4.801 | 0.029 | 4.815 | 0.015 | 6.782 | -0.463 | 6.789 | -0.364 | 6.798 | -0.152 | 6.806 | 0.067 |
| 4.823 | 0.008 | 4.835 | 0.022 | 4.843 | 0.043 | 4.855 | 0.072 | 6.811 | 0.166 | 6.816 | 0.244 | 6.825 | 0.357 | 6.830 | 0.414 |
| 4.864 | 0.086 | 4.875 | 0.086 | 4.889 | 0.072 | 4.899 | 0.057 | 6.838 | 0.555 | 6.856 | 0.973 | 6.864 | 1.093 | 6.868 | 1.178 |
| 4.907 | 0.029 | 4.916 | -0.020 | 4.924 | -0.070 | 4.935 | -0.169 | 6.872 | 1.206 | 6.879 | 1.227 | 6.891 | 1.234 | 6.906 | 1.248 |
| 4.943 | -0.233 | 4.951 | -0.275 | 4.961 | -0.318 | 4.965 | -0.332 | 6.914 | 1.255 | 6.922 | 1.241 | 6.929 | 1.184 | 6.947 | 0.943 |
| 4.973 | -0.332 | 4.978 | -0.325 | 4.993 | -0.290 | 5.044 | -0.113 | 6.954 | 0.815 | 6.959 | 0.758 | 6.967 | 0.695 | 6.970 | 0.673 |
| 5.036 | -0.035 | 5.043 | 0.001 | 5.051 | 0.029 | 5.057 | 0.050 | 6.980 | 0.666 | 6.984 | 0.659 | 6.988 | 0.652 | 6.994 | 0.659 |
| 5.068 | 0.057 | 5.078 | 0.072 | 5.087 | 0.093 | 5.098 | 0.121 | 7.002 | 0.658 | 7.005 | 0.673 | 7.010 | 0.672 | 7.016 | 0.630 |
| 5.107 | 0.142 | 5.115 | 0.142 | 5.125 | 0.135 | 5.134 | 0.128 | 7.026 | 0.516 | 7.037 | 0.346 | 7.051 | 0.296 | 7.060 | 0.310 |
| 5.141 | 0.114 | 5.148 | 0.065 | 5.157 | 0.008 | 5.166 | -0.077 | 7.076 | 0.353 | 7.087 | 0.246 | 7.103 | -0.002 | 7.115 | -0.265 |
| 5.171 | -0.141 | 5.177 | -0.190 | 5.184 | -0.212 | 5.189 | -0.226 | 7.127 | -0.421 | 7.142 | -0.456 | 7.154 | -0.471 | 7.166 | -0.407 |
| 5.197 | -0.254 | 5.202 | -0.311 | 5.212 | -0.368 | 5.218 | -0.382 | 7.183 | -0.280 | 7.197 | -0.146 | 7.210 | -0.061 | 7.222 | 0.003 |
| 5.227 | -0.375 | 5.236 | -0.339 | 5.255 | -0.247 | 5.263 | -0.226 | 7.227 | 0.017 | 7.237 | 0.017 | 7.250 | -0.005 | 7.259 | -0.047 |
| 5.271 | -0.198 | 5.278 | -0.190 | 5.286 | -0.205 | 5.294 | -0.219 | 7.269 | -0.140 | 7.286 | -0.282 | 7.304 | -0.374 | 7.314 | -0.403 |
| 5.300 | -0.247 | 5.310 | -0.275 | 5.321 | -0.283 | 5.333 | -0.297 | 7.335 | -0.360 | 7.352 | -0.311 | 7.363 | -0.233 | 7.370 | -0.176 |
| 5.344 | -0.304 | 5.357 | -0.325 | 5.366 | -0.332 | 5.374 | -0.339 | 7.378 | -0.147 | 7.391 | -0.048 | 7.403 | 0.023 | 7.413 | 0.108 |
| 5.383 | -0.332 | 5.393 | -0.290 | 5.401 | -0.233 | 5.418 | -0.077 | 7.427 | 0.264 | 7.438 | 0.357 | 7.450 | 0.378 | 7.462 | 0.350 |
| 5.432 | 0.079 | 5.440 | 0.142 | 5.448 | 0.185 | 5.457 | 0.199 | 7.478 | 0.265 | 7.491 | 0.264 | 7.501 | 0.243 | 7.520 | 0.193 |
| 5.466 | 0.213 | 5.477 | 0.220 | 5.495 | 0.228 | 5.506 | 0.228 | 7.536 | 0.193 | 7.549 | 0.165 | 7.565 | 0.142 | 7.580 | 0.042 |
| 5.519 | 0.213 | 5.528 | 0.220 | 5.537 | 0.220 | 5.546 | 0.263 | 7.592 | -0.043 | 7.608 | -0.115 | 7.623 | -0.208 | 7.636 | -0.336 |
| 5.556 | 0.334 | 5.567 | 0.426 | 5.573 | 0.497 | 5.580 | 0.532 | 7.648 | -0.526 | 7.662 | -0.755 | 7.674 | -0.890 | 7.689 | -1.039 |
| 5.586 | 0.546 | 5.596 | 0.532 | 5.607 | 0.426 | 5.617 | 0.291 | 7.703 | -1.139 | 7.719 | -1.210 | 7.730 | -1.175 | 7.742 | -1.019 |
| 5.623 | 0.213 | 5.629 | 0.192 | 5.635 | 0.178 | 5.664 | 0.157 | 7.753 | -0.828 | 7.763 | -0.693 | 7.773 | -0.601 | 7.784 | -0.580 |
| 5.672 | 0.042 | 5.680 | 0.142 | 5.687 | 0.107 | 5.709 | -0.014 | 7.800 | -0.644 | 7.818 | -0.701 | 7.829 | -0.701 | 7.843 | -0.679 |
| 5.717 | -0.042 | 5.722 | -0.071 | 5.728 | -0.057 | 5.735 | -0.043 | 7.853 | -0.552 | 7.867 | -0.446 | 7.882 | -0.304 | 7.898 | -0.098 |
| 5.739 | -0.071 | 5.752 | -0.163 | 5.768 | -0.362 | 5.781 | -0.476 | 7.909 | 0.050 | 7.919 | 0.142 | 7.930 | 0.235 | 7.945 | 0.433 |
| 5.791 | -0.632 | 5.802 | -0.696 | 5.813 | -0.745 | 5.818 | -0.767 | 7.958 | 0.617 | 7.969 | 0.759 | 7.980 | 0.759 | 7.995 | 0.716 |
| 5.826 | -0.767 | 5.833 | -0.724 | 5.844 | -0.590 | 5.856 | -0.441 | 8.006 | 0.610 | 8.019 | 0.454 | 8.036 | 0.341 | 8.047 | 0.277 |
| 5.863 | -0.215 | 5.876 | 0.019 | 5.884 | 0.203 | 5.893 | 0.337 | 8.066 | 0.263 | 8.072 | 0.305 | 8.083 | 0.348 | 8.096 | 0.369 |
| 5.903 | 0.415 | 5.921 | 0.494 | 5.921 | 0.557 | 5.931 | 0.664 | 8.110 | 0.284 | 8.125 | 0.263 | 8.139 | 0.284 | 8.152 | 0.263 |
| 5.940 | 0.799 | 5.948 | 0.877 | 5.955 | 0.955 | 5.961 | 1.040 | 8.166 | 0.185 | 8.182 | 0.050 | 8.205 | -0.169 | 8.215 | -0.254 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8.227 | -0.283 | 8.245 | -0.261 | 8.267 | -0.212 | 8.283 | -0.141 | 11.286 | -0.116 | 11.296 | 0.011 | 11.305 | 0.054 | 11.314 | -0.017 |
| 8.299 | -0.099 | 8.314 | -0.021 | 8.334 | 0.142 | 8.351 | 0.283 | 11.326 | 0.224 | 11.341 | 0.224 | 11.366 | 0.571 | 11.382 | 0.791 |
| 8.360 | 0.389 | 8.371 | 0.438 | 8.383 | 0.445 | 8.403 | 0.417 | 11.393 | 0.891 | 11.406 | 0.969 | 11.417 | 1.082 | 11.427 | 1.104 |
| 8.417 | 0.466 | 8.432 | 0.522 | 8.451 | 0.451 | 8.467 | 0.408 | 11.452 | 1.047 | 11.467 | 0.970 | 11.487 | 0.828 | 11.506 | 0.658 |
| 8.484 | 0.486 | 8.501 | 0.607 | 8.517 | 0.670 | 8.527 | 0.684 | 11.526 | 0.516 | 11.546 | 0.410 | 11.562 | 0.388 | 11.575 | 0.466 |
| 8.548 | 0.621 | 8.554 | 0.486 | 8.570 | 0.366 | 8.588 | 0.337 | 11.587 | 0.608 | 11.602 | 0.678 | 11.615 | 0.692 | 11.627 | 0.635 |
| 8.598 | 0.393 | 8.612 | 0.464 | 8.622 | 0.464 | 8.638 | 0.400 | 11.652 | 0.387 | 11.678 | 0.196 | 11.709 | 0.105 | 11.744 | 0.056 |
| 8.651 | 0.230 | 8.667 | -0.026 | 8.683 | -0.224 | 8.701 | -0.416 | 11.785 | 0.077 | 11.800 | 0.092 | 11.812 | 0.170 | 11.830 | 0.312 |
| 8.719 | -0.593 | 8.737 | -0.764 | 8.752 | -0.828 | 8.770 | -0.786 | 11.842 | 0.326 | 11.863 | 0.157 | 11.887 | -0.070 | 11.906 | -0.254 |
| 8.782 | -0.665 | 8.795 | -0.623 | 8.807 | -0.672 | 8.821 | -0.807 | 11.915 | -0.346 | 11.929 | -0.368 | 11.945 | -0.332 | 11.963 | -0.297 |
| 8.842 | -0.885 | 8.850 | -0.814 | 8.863 | -0.665 | 8.875 | -0.566 | 11.976 | -0.346 | 11.992 | -0.431 | 12.011 | -0.531 | 12.027 | -0.580 |
| 8.886 | -0.523 | 8.899 | -0.545 | 8.910 | -0.608 | 8.932 | -0.686 | 12.047 | -0.679 | 12.061 | -0.686 | 12.079 | -0.587 | 12.093 | -0.509 |
| 8.952 | -0.750 | 8.965 | -0.764 | 8.981 | -0.736 | 8.990 | -0.573 | 12.103 | -0.508 | 12.117 | -0.558 | 12.150 | -0.699 | 12.179 | -0.819 |
| 9.000 | -0.523 | 9.010 | -0.361 | 9.018 | -0.226 | 9.024 | -0.247 | 12.195 | -0.889 | 12.213 | -0.917 | 12.225 | -0.853 | 12.244 | -0.584 |
| 9.030 | -0.105 | 9.036 | -0.035 | 9.043 | -0.098 | 9.051 | -0.056 | 12.258 | -0.372 | 12.272 | -0.252 | 12.289 | -0.103 | 12.303 | -0.011 |
| 9.056 | 0.036 | 9.063 | 0.001 | 9.071 | -0.098 | 9.085 | -0.183 | 12.320 | 0.031 | 12.344 | -0.012 | 12.368 | -0.056 | 12.379 | -0.141 |
| 9.099 | -0.368 | 9.119 | -0.452 | 9.122 | -0.473 | 9.133 | -0.572 | 12.396 | -0.234 | 12.417 | -0.270 | 12.429 | -0.235 | 12.441 | -0.207 |
| 9.143 | -0.600 | 9.156 | -0.714 | 9.173 | -0.869 | 9.187 | -0.940 | 12.461 | -0.243 | 12.484 | -0.307 | 12.506 | -0.416 | 12.521 | -0.323 |
| 9.205 | -0.876 | 9.223 | -0.685 | 9.238 | -0.550 | 9.254 | -0.451 | 12.549 | -0.359 | 12.572 | -0.402 | 12.596 | -0.315 | 12.611 | -0.430 |
| 9.265 | -0.430 | 9.277 | -0.473 | 9.292 | -0.580 | 9.302 | -0.687 | 12.628 | -0.388 | 12.653 | -0.374 | 12.673 | -0.325 | 12.698 | -0.119 |
| 9.319 | -0.787 | 9.335 | -0.830 | 9.352 | -0.837 | 9.372 | -0.759 | 12.704 | -0.042 | 12.708 | 0.001 | 12.716 | 0.050 | 12.727 | 0.192 |
| 9.387 | -0.547 | 9.401 | -0.313 | 9.421 | 0.006 | 9.437 | 0.233 | 12.742 | -0.369 | 12.755 | 0.525 | 12.771 | 0.624 | 12.784 | 0.603 |
| 9.454 | 0.417 | 9.466 | 0.495 | 9.481 | 0.531 | 9.499 | 0.495 | 12.803 | 0.582 | 12.822 | 0.553 | 12.842 | 0.412 | 12.864 | 0.263 |
| 9.512 | 0.417 | 9.528 | 0.289 | 9.539 | 0.139 | 9.551 | -0.045 | 12.891 | 0.164 | 12.910 | 0.086 | 12.929 | 0.036 | 12.946 | 0.050 |
| 9.563 | -0.194 | 9.569 | -0.230 | 9.582 | -0.153 | 9.590 | -0.004 | 12.964 | 0.050 | 13.035 | -0.205 | 13.077 | -0.240 | 13.099 | -0.275 |
| 9.604 | 0.307 | 9.616 | 0.505 | 9.629 | 0.646 | 9.643 | 0.695 | 13.123 | -0.155 | 13.143 | -0.169 | 13.169 | -0.120 | 13.186 | -0.020 |
| 9.654 | 0.723 | 9.672 | 0.645 | 9.687 | 0.517 | 9.699 | 0.509 | 13.199 | 0.029 | 13.224 | 0.029 | 13.234 | 0.006 | 13.252 | -0.013 |
| 9.708 | 0.403 | 9.712 | 0.438 | 9.721 | 0.388 | 9.735 | 0.473 | 13.337 | -0.296 | 13.358 | -0.232 | 13.372 | -0.190 | 13.391 | -0.168 |
| 9.746 | 0.444 | 9.756 | 0.522 | 9.762 | 0.522 | 9.769 | 0.479 | 13.412 | -0.218 | 13.428 | -0.295 | 13.454 | -0.416 | 13.465 | -0.451 |
| 9.778 | 0.479 | 9.798 | 0.422 | 9.806 | 0.529 | 9.823 | 0.614 | 13.485 | -0.451 | 13.503 | -0.458 | 13.524 | -0.521 | 13.538 | -0.606 |
| 9.832 | 0.650 | 9.843 | 0.799 | 9.851 | 0.776 | 9.861 | 0.707 | 13.553 | -0.733 | 13.569 | -0.740 | 13.587 | -0.761 | 13.600 | -0.683 |
| 9.868 | 0.672 | 9.880 | 0.523 | 9.889 | 0.403 | 9.904 | 0.325 | 13.611 | -0.556 | 13.627 | -0.485 | 13.640 | -0.442 | 13.654 | -0.435 |
| 9.921 | 0.226 | 9.933 | 0.148 | 9.941 | 0.035 | 9.959 | -0.036 | 13.669 | -0.421 | 13.681 | -0.471 | 13.705 | -0.421 | 13.726 | -0.443 |
| 9.973 | -0.058 | 9.986 | -0.044 | 10.000 | 0.068 | 10.013 | 0.174 | 13.746 | -0.315 | 13.765 | -0.273 | 13.786 | -0.223 | 13.823 | -0.203 |
| 10.031 | 0.237 | 10.049 | 0.321 | 10.070 | 0.405 | 10.086 | 0.439 | 13.849 | -0.245 | 13.869 | -0.302 | 13.892 | -0.338 | 13.912 | -0.366 |
| 10.103 | 0.439 | 10.121 | 0.430 | 10.139 | 0.351 | 10.157 | 0.251 | 14.006 | -0.197 | 14.022 | -0.126 | 14.043 | -0.034 | 14.063 | 0.015 |
| 10.171 | 0.187 | 10.191 | 0.137 | 10.205 | 0.123 | 10.215 | 0.059 | 14.064 | -0.035 | 14.099 | -0.077 | 14.121 | -0.113 | 14.143 | -0.070 |
| 10.226 | -0.082 | 10.237 | -0.224 | 10.247 | -0.295 | 10.254 | -0.301 | 14.167 | -0.028 | 14.192 | 0.029 | 14.211 | 0.135 | 14.243 | 0.277 |
| 10.271 | -0.209 | 10.281 | -0.131 | 10.301 | -0.088 | 10.314 | -0.138 | 14.270 | 0.355 | 14.298 | 0.320 | 14.316 | 0.277 | 14.336 | 0.206 |
| 10.334 | -0.209 | 10.341 | -0.259 | 10.359 | -0.351 | 10.374 | -0.472 | 14.362 | 0.157 | 14.379 | 0.150 | 14.401 | 0.114 | 14.414 | 0.065 |
| 10.383 | -0.593 | 10.392 | -0.706 | 10.401 | -0.763 | 10.410 | -0.778 | 14.441 | -0.013 | 14.463 | -0.056 | 14.482 | -0.006 | 14.509 | 0.142 |
| 10.427 | -0.728 | 10.435 | -0.622 | 10.443 | -0.637 | 10.451 | -0.488 | 14.523 | 0.176 | 14.538 | 0.228 | 14.555 | 0.277 | 14.579 | 0.298 |
| 10.457 | -0.410 | 10.463 | -0.396 | 10.474 | -0.247 | 10.486 | -0.247 | 14.598 | 0.313 | 14.615 | 0.327 | 14.639 | 0.356 | 14.658 | 0.356 |
| 10.507 | -0.297 | 10.526 | -0.361 | 10.548 | -0.375 | 10.566 | -0.340 | 14.676 | 0.363 | 14.694 | 0.427 | 14.712 | 0.470 | 14.729 | 0.456 |
| 10.592 | -0.334 | 10.610 | -0.313 | 10.630 | -0.306 | 10.651 | -0.285 | 14.739 | 0.413 | 14.754 | 0.385 | 14.775 | 0.364 | 14.794 | 0.287 |
| 10.669 | -0.293 | 10.681 | -0.364 | 10.694 | -0.513 | 10.704 | -0.583 | 14.825 | 0.223 | 14.842 | 0.160 | 14.843 | 0.054 | 14.862 | -0.059 |
| 10.726 | -0.654 | 10.742 | -0.710 | 10.757 | -0.788 | 10.766 | -0.873 | 14.879 | -0.116 | 14.896 | -0.122 | 14.910 | -0.101 | 14.924 | -0.094 |
| 10.780 | -0.922 | 10.795 | -0.915 | 10.811 | -0.866 | 10.825 | -0.781 | 14.944 | -0.086 | 14.966 | -0.072 | 14.986 | -0.036 | 15.010 | -0.029 |
| 10.842 | -0.619 | 10.856 | -0.492 | 10.883 | -0.224 | 10.904 | -0.028 | 15.026 | -0.022 | 15.054 | 0.042 | 15.078 | 0.064 | 15.096 | 0.092 |
| 10.827 | 0.233 | 10.945 | 0.460 | 10.967 | 0.729 | 10.982 | 0.885 | 15.117 | 0.185 | 15.136 | 0.227 | 15.158 | 0.263 | 15.174 | 0.341 |
| 10.993 | 0.977 | 11.004 | 1.111 | 11.017 | 1.154 | 11.033 | 1.098 | 15.186 | 0.390 | 15.199 | 0.412 | 15.216 | 0.376 | 15.236 | 0.263 |
| 11.047 | 1.013 | 11.067 | 0.936 | 11.078 | 0.908 | 11.085 | 0.915 | 15.261 | 0.128 | 15.286 | 0.036 | 15.302 | -0.035 | 15.331 | -0.120 |
| 11.099 | 0.837 | 11.107 | 0.838 | 11.113 | 0.788 | 11.125 | 0.767 | 15.345 | -0.169 | 15.356 | -0.176 | 15.372 | -0.120 | 15.401 | -0.020 |
| 11.138 | 0.633 | 11.160 | 0.555 | 11.180 | 0.521 | 11.199 | 0.507 | | | | | | | | |
| 11.206 | 0.464 | 11.218 | 0.486 | 11.232 | 0.401 | 11.249 | 0.203 | | | | | | | | |
| 11.255 | 0.245 | 11.262 | 0.210 | 11.271 | 0.316 | 11.280 | -0.052 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 15.420 | 0.036 | 15.436 | 0.057 | 15.455 | 0.043 | 15.476 | 0.008 | 19.254 | 0.149 | 19.267 | 0.141 | 19.278 | 0.133 | 19.291 | 0.111 |
| 15.499 | -0.035 | 15.518 | -0.056 | 15.539 | -0.049 | 15.557 | 0.001 | 19.304 | 0.110 | 19.317 | 0.088 | 19.333 | 0.073 | 19.347 | 0.079 |
| 15.565 | 0.029 | 15.586 | 0.015 | 15.607 | -0.020 | 15.633 | -0.049 | 19.360 | 0.057 | 19.376 | 0.007 | 19.394 | -0.029 | 19.412 | -0.038 |
| 15.655 | -0.056 | 15.682 | -0.079 | 15.699 | -0.028 | 15.733 | -0.006 | 19.428 | -0.031 | 19.447 | 0.018 | 19.458 | 0.010 | 19.469 | 0.009 |
| 15.758 | 0.029 | 15.784 | 0.079 | 15.802 | 0.142 | 15.827 | 0.164 | 19.482 | 0.001 | 19.495 | 0.015 | 19.504 | 0.007 | 19.513 | 0.0 |
| 15.850 | 0.178 | 15.869 | 0.159 | 15.895 | 0.157 | 15.914 | 0.114 | 19.526 | -0.015 | 19.539 | -0.023 | 19.548 | -0.030 | 19.561 | -0.031 |
| 15.940 | 0.043 | 15.964 | 0.022 | 15.985 | 0.022 | 15.995 | 0.022 | 19.568 | -0.038 | 19.576 | -0.074 | 19.587 | -0.045 | 19.601 | -0.045 |
| 16.004 | 0.022 | 16.017 | 0.029 | 16.027 | 0.022 | 16.038 | 0.022 | 19.613 | -0.053 | 19.627 | -0.074 | 19.640 | -0.095 | 19.651 | -0.124 |
| 16.053 | 0.022 | 16.065 | -0.022 | 16.081 | 0.022 | 16.093 | 0.001 | 19.666 | -0.159 | 19.682 | -0.146 | 19.692 | -0.124 | 19.706 | -0.103 |
| 16.110 | -0.042 | 16.124 | -0.098 | 16.141 | -0.141 | 16.164 | -0.091 | 19.717 | -0.089 | 19.730 | -0.097 | 19.738 | -0.118 | 19.748 | -0.118 |
| 16.182 | -0.077 | 16.196 | -0.077 | 16.209 | -0.076 | 16.228 | -0.062 | 19.754 | -0.125 | 19.764 | -0.097 | 19.775 | -0.090 | 19.783 | -0.076 |
| 16.246 | -0.033 | 16.266 | -0.069 | 16.282 | -0.118 | 16.303 | -0.189 | 19.793 | -0.076 | 19.804 | -0.119 | 19.814 | -0.112 | 19.823 | -0.140 |
| 16.326 | -0.209 | 16.346 | -0.181 | 16.359 | -0.096 | 16.387 | 0.011 | 19.831 | -0.140 | 19.841 | -0.148 | 19.851 | -0.105 | 19.865 | -0.091 |
| 16.410 | 0.089 | 16.440 | 0.146 | 16.454 | 0.161 | 16.472 | 0.197 | 19.875 | -0.042 | 19.890 | -0.020 | 19.904 | 0.008 | 19.919 | 0.022 |
| 16.489 | 0.233 | 16.502 | 0.255 | 16.533 | 0.291 | 16.556 | 0.249 | 19.930 | 0.022 | 19.944 | 0.036 | 19.960 | 0.065 | 19.970 | 0.079 |
| 16.581 | 0.179 | 16.601 | 0.109 | 16.624 | 0.081 | 16.653 | 0.047 | 19.976 | 0.107 | 19.988 | 0.079 | 20.001 | 0.043 | 20.013 | 0.006 |
| 16.677 | -0.059 | 16.696 | -0.158 | 16.711 | -0.200 | 16.733 | -0.242 | 20.026 | -0.020 | 20.038 | -0.035 | 20.053 | -0.028 | 20.069 | -0.015 |
| 16.761 | -0.199 | 16.783 | -0.150 | 16.813 | -0.121 | 16.841 | -0.106 | 20.082 | 0.043 | 20.094 | 0.072 | 20.113 | 0.114 | 20.124 | 0.135 |
| 16.872 | -0.091 | 16.890 | -0.013 | 16.904 | 0.029 | 16.919 | 0.058 | 20.138 | 0.150 | 20.149 | 0.178 | 20.157 | 0.185 | 20.165 | 0.192 |
| 16.941 | 0.107 | 16.950 | 0.136 | 16.964 | 0.129 | 16.984 | 0.108 | 20.178 | 0.192 | 20.189 | 0.185 | 20.201 | 0.164 | 20.215 | 0.135 |
| 17.002 | 0.094 | 17.015 | 0.087 | 17.026 | 0.143 | 17.044 | 0.229 | 20.224 | 0.093 | 20.240 | 0.065 | 20.248 | 0.050 | 20.256 | 0.029 |
| 17.063 | 0.292 | 17.074 | 0.271 | 17.094 | 0.229 | 17.108 | 0.215 | 20.266 | 0.008 | 20.279 | 0.029 | 20.289 | 0.043 | 20.298 | 0.079 |
| 17.126 | 0.172 | 17.140 | 0.158 | 17.156 | 0.116 | 17.173 | 0.088 | 20.316 | 0.128 | 20.330 | 0.192 | 20.344 | 0.228 | 20.355 | 0.256 |
| 17.190 | 0.067 | 17.204 | 0.096 | 17.224 | 0.096 | 17.239 | 0.096 | 20.365 | 0.164 | 20.377 | 0.164 | 20.388 | 0.220 | 20.400 | 0.192 |
| 17.259 | 0.083 | 17.274 | 0.069 | 17.291 | 0.041 | 17.309 | 0.076 | 20.414 | 0.164 | 20.424 | 0.164 | 20.433 | 0.178 | 20.441 | 0.192 |
| 17.327 | -0.112 | 17.344 | 0.063 | 17.361 | 0.014 | 17.377 | -0.014 | 20.458 | 0.192 | 20.470 | 0.171 | 20.482 | 0.157 | 20.494 | 0.157 |
| 17.390 | -0.048 | 17.411 | -0.005 | 17.433 | -0.031 | 17.458 | 0.068 | 20.505 | 0.157 | 20.518 | 0.199 | 20.530 | 0.235 | 20.546 | 0.291 |
| 17.480 | -0.049 | 17.502 | -0.009 | 17.520 | 0.031 | 17.541 | 0.205 | 20.562 | 0.348 | 20.575 | 0.376 | 20.583 | 0.390 | 20.599 | 0.405 |
| 17.571 | 0.117 | 17.591 | 0.132 | 17.619 | 0.161 | 17.637 | 0.161 | 20.608 | 0.398 | 20.626 | 0.383 | 20.640 | 0.334 | 20.651 | 0.320 |
| 17.660 | 0.169 | 17.674 | 0.204 | 17.689 | 0.226 | 17.713 | 0.205 | 20.661 | 0.305 | 20.679 | 0.298 | 20.679 | 0.298 | 20.686 | 0.298 |
| 17.735 | 0.135 | 17.761 | 0.079 | 17.779 | 0.008 | 17.797 | 0.048 | 20.694 | 0.298 | 20.706 | 0.305 | 20.714 | 0.320 | 20.723 | 0.334 |
| 17.810 | -0.062 | 17.839 | -0.132 | 17.856 | -0.189 | 17.880 | -0.254 | 20.731 | 0.355 | 20.742 | 0.341 | 20.753 | 0.305 | 20.761 | 0.284 |
| 17.896 | -0.358 | 17.913 | -0.435 | 17.927 | -0.478 | 17.946 | -0.456 | 20.772 | 0.242 | 20.785 | 0.206 | 20.796 | 0.192 | 20.813 | 0.192 |
| 17.959 | -0.413 | 17.972 | -0.405 | 17.988 | -0.377 | 17.997 | -0.355 | 20.825 | 0.178 | 20.841 | 0.157 | 20.859 | 0.128 | 20.871 | 0.093 |
| 18.009 | -0.327 | 18.022 | -0.291 | 18.031 | -0.248 | 18.048 | -0.240 | 20.885 | 0.065 | 20.900 | 0.043 | 20.911 | 0.029 | 20.919 | 0.029 |
| 18.060 | -0.240 | 18.078 | -0.254 | 18.091 | -0.253 | 18.110 | -0.310 | 20.932 | 0.008 | 20.947 | -0.013 | 20.959 | -0.020 | 20.971 | -0.049 |
| 18.126 | -0.309 | 18.143 | -0.309 | 18.155 | -0.287 | 18.165 | -0.237 | 20.989 | -0.028 | 21.009 | 0.001 | 21.021 | 0.015 | 21.033 | 0.015 |
| 18.184 | -0.187 | 18.199 | -0.152 | 18.226 | -0.123 | 18.249 | -0.165 | 21.043 | 0.022 | 21.053 | 0.022 | 21.072 | 0.036 | 21.086 | 0.022 |
| 18.270 | -0.250 | 18.290 | -0.363 | 18.318 | -0.419 | 18.334 | -0.398 | 21.098 | 0.001 | 21.110 | -0.020 | 21.125 | -0.013 | 21.138 | -0.013 |
| 18.353 | -0.369 | 18.373 | -0.319 | 18.398 | -0.291 | 18.417 | -0.326 | 21.157 | 0.002 | 21.167 | -0.005 | 21.181 | -0.012 | 21.193 | -0.027 |
| 18.437 | -0.354 | 18.453 | -0.347 | 18.471 | -0.325 | 18.490 | -0.340 | 21.210 | -0.055 | 21.224 | -0.090 | 21.242 | -0.125 | 21.259 | -0.175 |
| 18.507 | -0.361 | 18.528 | -0.340 | 18.552 | -0.270 | 18.577 | -0.192 | 21.279 | -0.238 | 21.294 | -0.288 | 21.304 | -0.295 | 21.318 | -0.323 |
| 18.599 | -0.108 | 18.614 | -0.065 | 18.623 | 0.012 | 18.633 | 0.055 | 21.351 | -0.365 | 21.343 | -0.393 | 21.350 | -0.408 | 21.364 | -0.443 |
| 18.646 | 0.104 | 18.661 | 0.097 | 18.689 | 0.046 | 18.704 | 0.032 | 21.377 | -0.407 | 21.387 | -0.393 | 21.399 | -0.364 | 21.409 | -0.336 |
| 18.718 | 0.017 | 18.728 | -0.005 | 18.739 | -0.027 | 18.750 | -0.070 | 21.419 | -0.329 | 21.429 | -0.314 | 21.442 | -0.321 | 21.453 | -0.328 |
| 18.762 | -0.113 | 18.776 | -0.078 | 18.784 | -0.043 | 18.796 | -0.022 | 21.465 | -0.349 | 21.482 | -0.356 | 21.495 | -0.363 | 21.504 | -0.377 |
| 18.810 | 0.020 | 18.823 | 0.062 | 18.834 | 0.104 | 18.834 | 0.104 | 21.519 | -0.377 | 21.532 | -0.398 | 21.543 | -0.384 | 21.556 | -0.348 |
| 18.844 | 0.125 | 18.852 | 0.146 | 18.860 | 0.160 | 18.872 | 0.166 | 21.566 | -0.320 | 21.583 | -0.305 | 21.594 | -0.291 | 21.608 | -0.270 |
| 18.882 | 0.166 | 18.889 | 0.180 | 18.897 | 0.165 | 18.908 | 0.172 | 21.619 | -0.256 | 21.632 | -0.234 | 21.641 | -0.248 | 21.658 | -0.255 |
| 18.913 | 0.136 | 18.924 | 0.121 | 18.937 | 0.078 | 18.947 | 0.021 | 21.670 | -0.262 | 21.680 | -0.269 | 21.689 | -0.255 | 21.697 | -0.227 |
| 18.957 | -0.022 | 18.973 | -0.045 | 18.985 | -0.024 | 18.998 | 0.011 | 21.705 | -0.255 | 21.711 | -0.248 | 21.721 | -0.234 | 21.731 | -0.227 |
| 19.009 | 0.060 | 19.021 | 0.094 | 19.037 | 0.122 | 19.045 | 0.142 | 21.738 | -0.227 | 21.749 | -0.212 | 21.758 | -0.205 | 21.771 | -0.198 |
| 19.060 | 0.156 | 19.068 | 0.155 | 19.082 | 0.154 | 19.093 | 0.154 | 21.780 | -0.205 | 21.791 | -0.205 | 21.807 | -0.184 | 21.822 | -0.169 |
| 19.104 | 0.146 | 19.116 | 0.124 | 19.130 | 0.088 | 19.145 | 0.058 | 21.833 | -0.162 | 21.847 | -0.155 | 21.859 | -0.155 | 21.874 | -0.155 |
| 19.156 | 0.043 | 19.164 | 0.021 | 19.174 | 0.013 | 19.186 | -0.002 | 21.866 | -0.141 | 21.894 | -0.141 | 21.902 | -0.134 | 21.913 | -0.134 |
| 19.199 | 0.026 | 19.212 | 0.067 | 19.224 | 0.095 | 19.239 | 0.136 | 21.923 | -0.134 | 21.934 | -0.113 | 21.944 | -0.099 | 21.961 | -0.049 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 21.974 | -0.028 | 21.982 | -0.014 | 21.993 | -0.007 | 22.002 | 0.014 | 24.804 | -0.045 | 24.815 | -0.045 | 24.825 | -0.045 | 24.838 | -0.053 |
| 22.018 | 0.014 | 22.032 | 0.014 | 22.048 | 0.014 | 22.061 | 0.021 | 24.851 | -0.074 | 24.864 | -0.089 | 24.875 | -0.117 | 24.885 | -0.131 |
| 22.032 | 0.035 | 22.048 | 0.056 | 22.061 | 0.077 | 22.077 | 0.091 | 24.899 | -0.153 | 24.912 | -0.167 | 24.928 | -0.175 | 24.937 | -0.175 |
| 22.072 | 0.120 | 22.088 | 0.134 | 22.102 | 0.141 | 22.112 | 0.155 | 24.943 | -0.175 | 24.953 | -0.182 | 24.965 | -0.182 | 24.971 | -0.189 |
| 22.106 | 0.162 | 22.120 | 0.177 | 22.135 | 0.184 | 22.155 | 0.218 | 24.976 | -0.204 | 24.986 | -0.204 | 24.996 | -0.204 | 25.005 | -0.204 |
| 22.119 | 0.303 | 22.233 | 0.289 | 22.244 | 0.260 | 22.259 | 0.282 | 25.013 | -0.204 | 25.023 | -0.232 | 25.037 | -0.268 | 25.050 | -0.282 |
| 22.281 | 0.182 | 22.296 | 0.153 | 22.308 | 0.153 | 22.319 | 0.153 | 25.038 | -0.296 | 25.071 | -0.297 | 25.084 | -0.304 | 25.092 | -0.304 |
| 22.332 | 0.167 | 22.344 | 0.181 | 22.352 | 0.202 | 22.367 | 0.209 | 25.101 | -0.292 | 25.116 | -0.283 | 25.126 | -0.247 | 25.142 | -0.226 |
| 22.380 | 0.223 | 22.392 | 0.223 | 22.407 | 0.237 | 22.420 | 0.244 | 25.158 | -0.212 | 25.169 | -0.169 | 25.180 | -0.141 | 25.190 | -0.141 |
| 22.431 | 0.253 | 22.444 | 0.230 | 22.455 | 0.208 | 22.468 | 0.194 | 25.206 | -0.127 | 25.216 | -0.127 | 25.228 | -0.127 | 25.239 | -0.127 |
| 22.481 | 0.151 | 22.494 | 0.116 | 22.507 | 0.073 | 22.520 | 0.051 | 25.254 | -0.105 | 25.277 | -0.084 | 25.288 | -0.063 | 25.304 | -0.049 |
| 22.525 | 0.051 | 22.539 | 0.058 | 22.553 | 0.079 | 22.569 | 0.107 | 25.314 | -0.028 | 25.323 | -0.021 | 25.341 | -0.001 | 25.357 | -0.020 |
| 22.582 | 0.142 | 22.594 | 0.156 | 22.609 | 0.177 | 22.616 | 0.177 | 25.372 | 0.026 | 25.386 | 0.053 | 25.411 | 0.052 | 25.438 | 0.036 |
| 22.632 | 0.170 | 22.644 | 0.177 | 22.657 | 0.184 | 22.669 | 0.198 | 25.454 | 0.021 | 25.469 | -0.003 | 25.482 | 0.017 | 25.493 | 0.001 |
| 22.684 | 0.190 | 22.701 | 0.162 | 22.714 | 0.126 | 22.730 | 0.083 | 25.510 | 0.056 | 25.522 | 0.026 | 25.537 | 0.081 | 25.553 | 0.128 |
| 22.742 | 0.062 | 22.753 | 0.062 | 22.769 | 0.061 | 22.782 | 0.075 | 25.561 | 0.106 | 25.578 | 0.182 | 25.587 | 0.167 | 25.600 | 0.202 |
| 22.795 | 0.096 | 22.808 | 0.110 | 22.817 | 0.131 | 22.829 | 0.144 | 25.611 | 0.201 | 25.623 | 0.132 | 25.637 | 0.139 | 25.647 | 0.141 |
| 22.848 | 0.152 | 22.862 | 0.123 | 22.877 | 0.080 | 22.896 | 0.044 | 25.657 | 0.098 | 25.674 | 0.132 | 25.687 | 0.139 | 25.703 | 0.104 |
| 22.912 | -0.006 | 22.929 | -0.041 | 22.944 | -0.070 | 22.961 | -0.113 | 25.716 | 0.167 | 25.730 | 0.125 | 25.745 | 0.118 | 25.758 | 0.111 |
| 22.979 | -0.142 | 22.997 | -0.121 | 23.011 | -0.072 | 23.033 | -0.051 | 25.769 | 0.153 | 25.779 | 0.181 | 25.787 | 0.217 | 25.808 | 0.266 |
| 23.051 | -0.059 | 23.070 | -0.087 | 23.092 | -0.138 | 23.108 | -0.159 | 25.819 | 0.302 | 25.835 | 0.288 | 25.855 | 0.288 | 25.864 | 0.245 |
| 23.124 | -0.181 | 23.134 | -0.188 | 23.150 | -0.203 | 23.162 | -0.203 | 25.882 | 0.252 | 25.901 | 0.238 | 25.909 | 0.232 | 25.919 | 0.259 |
| 23.173 | -0.182 | 23.189 | -0.154 | 23.207 | -0.112 | 23.218 | -0.062 | 25.937 | 0.273 | 25.948 | 0.252 | 25.962 | 0.231 | 25.973 | 0.259 |
| 23.231 | -0.027 | 23.242 | 0.015 | 23.253 | 0.015 | 23.267 | 0.022 | 26.027 | 0.308 | 26.042 | 0.329 | 26.036 | 0.236 | 26.118 | 0.208 |
| 23.281 | 0.007 | 23.290 | 0.007 | 23.300 | 0.014 | 23.310 | -0.029 | 26.064 | 0.272 | 26.082 | 0.236 | 26.100 | 0.236 | 26.173 | 0.109 |
| 23.319 | -0.043 | 23.329 | -0.058 | 23.343 | -0.072 | 23.360 | -0.086 | 26.133 | 0.194 | 26.155 | 0.201 | 26.165 | 0.165 | 26.236 | 0.108 |
| 23.366 | -0.079 | 23.379 | -0.080 | 23.387 | -0.080 | 23.395 | -0.087 | 26.197 | 0.101 | 26.210 | 0.101 | 26.227 | 0.108 | 26.236 | 0.108 |
| 23.405 | -0.094 | 23.411 | -0.101 | 23.419 | -0.102 | 23.429 | -0.109 | 26.244 | 0.086 | 26.262 | 0.093 | 26.274 | 0.107 | 26.287 | 0.107 |
| 23.442 | -0.109 | 23.450 | -0.095 | 23.459 | -0.095 | 23.466 | -0.088 | 26.293 | 0.093 | 26.299 | 0.029 | 26.321 | 0.056 | 26.334 | 0.069 |
| 23.479 | -0.081 | 23.491 | -0.088 | 23.500 | -0.117 | 23.509 | -0.138 | 26.344 | 0.054 | 26.351 | 0.089 | 26.358 | 0.053 | 26.375 | 0.066 |
| 23.516 | -0.160 | 23.525 | -0.188 | 23.537 | -0.195 | 23.544 | -0.203 | 26.385 | 0.072 | 26.396 | 0.064 | 26.404 | 0.085 | 26.413 | 0.056 |
| 23.555 | -0.196 | 23.567 | -0.196 | 23.580 | -0.182 | 23.588 | -0.168 | 26.429 | 0.119 | 26.441 | 0.097 | 26.459 | 0.118 | 26.472 | 0.132 |
| 23.605 | -0.118 | 23.617 | -0.083 | 23.628 | -0.062 | 23.639 | -0.026 | 26.480 | 0.174 | 26.496 | 0.166 | 26.513 | 0.194 | 26.523 | 0.187 |
| 23.655 | -0.005 | 23.670 | 0.009 | 23.683 | 0.037 | 23.696 | 0.051 | 26.529 | 0.152 | 26.546 | 0.138 | 26.559 | 0.102 | 26.575 | 0.103 |
| 23.758 | 0.001 | 23.773 | 0.043 | 23.781 | 0.013 | 23.794 | 0.008 | 26.590 | 0.131 | 26.606 | 0.153 | 26.619 | 0.125 | 26.634 | 0.110 |
| 23.803 | 0.022 | 23.815 | 0.043 | 23.824 | 0.065 | 23.839 | 0.093 | 26.640 | 0.054 | 26.657 | 0.053 | 26.675 | 0.046 | 26.689 | 0.024 |
| 23.894 | 0.115 | 23.905 | 0.079 | 23.914 | 0.058 | 23.924 | 0.037 | 26.709 | 0.003 | 26.718 | -0.005 | 26.732 | -0.019 | 26.740 | -0.026 |
| 23.935 | 0.044 | 23.946 | 0.044 | 23.959 | 0.044 | 23.970 | 0.059 | 26.749 | -0.048 | 26.773 | -0.034 | 26.782 | -0.027 | 26.794 | -0.020 |
| 23.978 | 0.073 | 23.990 | 0.073 | 24.003 | 0.052 | 24.014 | 0.031 | 26.817 | -0.028 | 26.826 | -0.028 | 26.841 | -0.035 | 26.855 | -0.021 |
| 24.029 | -0.033 | 24.041 | -0.068 | 24.056 | -0.054 | 24.073 | -0.040 | 26.871 | -0.001 | 26.886 | -0.007 | 26.891 | 0.0 | 26.915 | 0.013 |
| 24.086 | -0.018 | 24.104 | -0.011 | 24.127 | 0.017 | 24.149 | 0.053 | 26.926 | -0.001 | 26.939 | 0.006 | 26.957 | 0.005 | 26.972 | 0.019 |
| 24.161 | 0.075 | 24.176 | 0.096 | 24.189 | 0.118 | 24.202 | 0.139 | 26.990 | 0.046 | 27.004 | 0.053 | 27.019 | 0.017 | 27.035 | 0.044 |
| 24.211 | 0.153 | 24.223 | 0.160 | 24.242 | 0.182 | 24.259 | 0.175 | 27.045 | -0.006 | 27.074 | 0.064 | 27.086 | 0.071 | 27.103 | 0.091 |
| 24.275 | 0.147 | 24.284 | 0.112 | 24.296 | 0.112 | 24.305 | 0.112 | 27.120 | 0.077 | 27.128 | 0.140 | 27.149 | 0.182 | 27.164 | 0.182 |
| 24.311 | 0.105 | 24.323 | 0.105 | 24.333 | 0.105 | 24.340 | 0.105 | 27.177 | 0.217 | 27.196 | 0.196 | 27.202 | 0.174 | 27.220 | 0.189 |
| 24.350 | 0.120 | 24.361 | 0.127 | 24.370 | 0.148 | 24.385 | 0.155 | 27.238 | 0.174 | 27.251 | 0.196 | 27.263 | 0.181 | 27.280 | 0.160 |
| 24.395 | 0.148 | 24.416 | 0.099 | 24.437 | 0.056 | 24.447 | 0.021 | 27.296 | 0.111 | 27.306 | 0.104 | 27.323 | 0.111 | 27.338 | 0.089 |
| 24.466 | 0.007 | 24.477 | -0.014 | 24.488 | -0.035 | 24.499 | -0.056 | 27.339 | 0.004 | 27.351 | -0.003 | 27.375 | 0.000 | 27.392 | -0.039 |
| 24.511 | -0.085 | 24.525 | -0.092 | 24.535 | -0.099 | 24.550 | -0.084 | 27.404 | 0.011 | 27.423 | -0.004 | 27.445 | 0.002 | 27.450 | -0.012 |
| 24.562 | -0.077 | 24.572 | -0.063 | 24.584 | -0.056 | 24.593 | -0.050 | 27.471 | -0.020 | 27.487 | -0.027 | 27.489 | -0.049 | 27.511 | -0.014 |
| 24.605 | -0.063 | 24.616 | -0.065 | 24.628 | -0.113 | 24.641 | -0.135 | 27.534 | -0.023 | 27.545 | 0.011 | 27.564 | 0.060 | 27.576 | 0.087 |
| 24.651 | -0.163 | 24.663 | -0.170 | 24.679 | -0.177 | 24.688 | -0.178 | 27.590 | 0.100 | 27.608 | 0.135 | 27.623 | 0.170 | 27.626 | 0.099 |
| 24.700 | -0.163 | 24.709 | -0.171 | 24.724 | -0.178 | 24.737 | -0.143 | 27.639 | 0.113 | 27.655 | 0.155 | 27.680 | 0.169 | 27.693 | 0.190 |
| 24.745 | -0.100 | 24.770 | -0.072 | 24.782 | -0.051 | 24.791 | -0.043 | 27.700 | 0.126 | 27.716 | 0.133 | 27.746 | 0.163 | 27.761 | 0.183 |
| | | | | | | | | 27.776 | 0.190 | 27.800 | 0.211 | 27.801 | 0.098 | 27.831 | 0.119 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27.855 | C.139 | 27.868 | 0.068 | 27.888 | 0.018 | 27.899 | -0.018 | 31.512 | 0.260 | 31.518 | 0.231 | 31.536 | 0.160 | 31.553 | 0.259 |
| 27.533 | -0.033 | 27.951 | -0.033 | 27.952 | -0.076 | 27.979 | -0.005 | 31.562 | 0.252 | 31.580 | 0.259 | 31.588 | 0.160 | 31.602 | 0.259 |
| 27.997 | C.080 | 28.010 | 0.016 | 28.033 | 0.016 | 28.057 | 0.114 | 31.619 | 0.209 | 31.630 | 0.202 | 31.646 | 0.258 | 31.655 | 0.202 |
| 28.072 | C.107 | 28.081 | 0.107 | 28.100 | 0.135 | 28.113 | 0.142 | 31.677 | 0.237 | 31.697 | 0.244 | 31.697 | 0.102 | 31.713 | 0.130 |
| 28.124 | 0.113 | 28.141 | 0.106 | 28.156 | 0.120 | 28.164 | 0.056 | 31.733 | 0.158 | 31.748 | 0.150 | 31.760 | 0.057 | 31.767 | 0.078 |
| 28.179 | C.091 | 28.200 | 0.154 | 28.221 | 0.161 | 28.229 | 0.104 | 31.784 | 0.078 | 31.798 | 0.042 | 31.808 | 0.056 | 31.823 | 0.062 |
| 28.251 | C.202 | 28.272 | 0.187 | 28.295 | 0.214 | 28.306 | 0.136 | 31.827 | -0.023 | 31.839 | -0.051 | 31.861 | -0.002 | 31.872 | 0.011 |
| 28.328 | 0.135 | 28.346 | 0.078 | 28.365 | 0.113 | 28.385 | 0.077 | 31.890 | 0.004 | 31.901 | -0.039 | 31.917 | -0.018 | 31.931 | -0.032 |
| 28.394 | C.063 | 28.415 | 0.056 | 28.429 | 0.034 | 28.446 | 0.041 | 31.942 | -0.054 | 31.956 | -0.089 | 31.966 | -0.097 | 31.984 | -0.019 |
| 28.457 | 0.040 | 28.475 | 0.004 | 28.478 | -0.045 | 28.502 | -0.053 | 31.993 | -0.062 | 32.007 | -0.027 | 32.018 | -0.048 | 32.029 | -0.098 |
| 28.521 | -0.046 | 28.535 | -0.053 | 28.551 | -0.060 | 28.556 | -0.053 | 32.042 | -0.113 | 32.063 | -0.063 | 32.080 | -0.049 | 32.094 | -0.035 |
| 28.566 | -0.103 | 28.589 | -0.052 | 28.605 | -0.018 | 28.614 | 0.031 | 32.112 | -0.013 | 32.120 | -0.013 | 32.143 | -0.084 | 32.157 | -0.113 |
| 28.627 | 0.017 | 28.644 | 0.009 | 28.659 | 0.044 | 28.678 | 0.051 | 32.177 | -0.105 | 32.194 | -0.084 | 32.209 | -0.134 | 32.228 | -0.120 |
| 28.692 | 0.022 | 28.710 | 0.021 | 28.721 | 0.007 | 28.728 | -0.036 | 32.252 | -0.091 | 32.262 | -0.134 | 32.276 | -0.098 | 32.283 | -0.148 |
| 28.749 | 0.048 | 28.770 | 0.026 | 28.784 | 0.075 | 28.798 | 0.039 | 32.297 | -0.205 | 32.318 | -0.141 | 32.336 | -0.120 | 32.344 | -0.113 |
| 28.813 | 0.018 | 28.829 | 0.010 | 28.850 | 0.002 | 28.858 | -0.012 | 32.361 | -0.077 | 32.378 | -0.085 | 32.392 | -0.107 | 32.418 | -0.093 |
| 28.884 | -0.034 | 28.895 | -0.034 | 28.899 | -0.133 | 28.927 | -0.085 | 32.435 | -0.065 | 32.449 | -0.072 | 32.459 | -0.065 | 32.474 | -0.059 |
| 28.930 | -0.113 | 28.956 | -0.106 | 28.969 | -0.085 | 28.980 | -0.057 | 32.484 | -0.052 | 32.494 | -0.095 | 32.510 | -0.045 | 32.532 | -0.018 |
| 28.998 | -0.029 | 29.010 | -0.022 | 29.034 | -0.051 | 29.049 | -0.059 | 32.548 | 0.045 | 32.558 | 0.059 | 32.577 | 0.057 | 32.591 | 0.099 |
| 29.064 | -C.080 | 29.084 | -0.109 | 29.084 | -0.067 | 29.096 | -0.145 | 32.595 | 0.085 | 32.609 | 0.176 | 32.620 | 0.161 | 32.632 | 0.132 |
| 29.118 | -C.033 | 29.134 | -0.040 | 29.154 | -0.027 | 29.167 | -0.042 | 32.653 | 0.152 | 32.662 | 0.166 | 32.678 | 0.179 | 32.692 | 0.164 |
| 29.183 | -C.035 | 29.197 | -0.014 | 29.210 | 0.020 | 29.222 | -0.001 | 32.702 | 0.171 | 32.708 | 0.121 | 32.730 | 0.227 | 32.743 | 0.205 |
| 29.239 | -0.009 | 29.263 | 0.011 | 29.280 | 0.032 | 29.298 | 0.067 | 32.751 | 0.219 | 32.784 | 0.261 | 32.780 | 0.260 | 32.793 | 0.260 |
| 29.304 | 0.124 | 29.316 | -0.004 | 29.336 | 0.059 | 29.353 | 0.109 | 32.801 | 0.181 | 32.815 | 0.160 | 32.828 | 0.161 | 32.844 | 0.147 |
| 29.379 | 0.144 | 29.393 | 0.157 | 29.409 | 0.171 | 29.426 | 0.150 | 32.865 | 0.218 | 32.871 | 0.104 | 32.889 | 0.133 | 32.906 | 0.147 |
| 29.440 | C.199 | 29.453 | 0.178 | 29.461 | 0.206 | 29.466 | 0.107 | 32.920 | 0.162 | 32.930 | 0.170 | 32.940 | 0.169 | 32.960 | 0.176 |
| 29.482 | C.114 | 29.499 | 0.099 | 29.514 | 0.156 | 29.533 | 0.184 | 32.966 | 0.148 | 32.980 | 0.169 | 32.999 | 0.262 | 33.018 | 0.291 |
| 29.537 | C.205 | 29.556 | 0.162 | 29.574 | 0.169 | 29.588 | 0.190 | 33.036 | 0.305 | 33.051 | 0.334 | 33.065 | 0.249 | 33.089 | 0.299 |
| 29.604 | 0.197 | 29.617 | 0.190 | 29.635 | 0.197 | 29.651 | 0.168 | 33.103 | 0.207 | 33.119 | 0.250 | 33.142 | 0.258 | 33.158 | 0.173 |
| 29.662 | 0.203 | 29.677 | 0.217 | 29.699 | 0.216 | 29.719 | 0.195 | 33.173 | 0.181 | 33.188 | 0.167 | 33.201 | 0.196 | 33.214 | 0.182 |
| 29.730 | 0.173 | 29.754 | 0.102 | 29.770 | 0.123 | 29.788 | 0.088 | 33.230 | 0.168 | 33.247 | 0.132 | 33.263 | 0.111 | 33.278 | 0.097 |
| 29.814 | C.165 | 29.825 | 0.130 | 29.859 | 0.173 | 29.877 | 0.187 | 33.293 | 0.097 | 33.310 | 0.104 | 33.325 | 0.117 | 33.345 | 0.145 |
| 29.894 | 0.215 | 29.923 | 0.187 | 29.937 | 0.236 | 29.945 | 0.151 | 33.358 | 0.130 | 33.372 | 0.073 | 33.395 | 0.121 | 33.397 | 0.008 |
| 29.979 | C.244 | 29.992 | 0.173 | 30.014 | 0.258 | 30.034 | 0.188 | 33.415 | 0.064 | 33.425 | -0.001 | 33.444 | -0.015 | 33.462 | -0.001 |
| 30.059 | C.202 | 30.075 | 0.188 | 30.089 | 0.174 | 30.100 | 0.075 | 33.481 | -0.043 | 33.501 | -0.050 | 33.510 | -0.065 | 33.530 | -0.100 |
| 30.129 | C.096 | 30.152 | 0.089 | 30.166 | 0.025 | 30.182 | -0.018 | 33.542 | -0.086 | 33.555 | -0.043 | 33.563 | -0.043 | 33.576 | -0.100 |
| 30.194 | -C.039 | 30.217 | -0.096 | 30.232 | -0.068 | 30.243 | -0.097 | 33.590 | -0.129 | 33.609 | -0.122 | 33.615 | -0.179 | 33.631 | -0.080 |
| 30.268 | -C.118 | 30.287 | -0.118 | 30.301 | -0.062 | 30.314 | -0.154 | 33.639 | -0.129 | 33.648 | -0.115 | 33.658 | -0.186 | 33.674 | -0.137 |
| 30.338 | -C.076 | 30.354 | -0.048 | 30.381 | -0.105 | 30.396 | -0.042 | 33.689 | -0.080 | 33.701 | -0.152 | 33.717 | -0.124 | 33.736 | -0.110 |
| 30.404 | -C.198 | 30.435 | -0.070 | 30.444 | -0.120 | 30.457 | -0.134 | 33.743 | -0.134 | 33.762 | -0.055 | 33.774 | -0.126 | 33.781 | -0.133 |
| 30.481 | -C.070 | 30.494 | -0.035 | 30.509 | -0.113 | 30.526 | -0.127 | 33.808 | -0.120 | 33.821 | -0.135 | 33.835 | -0.107 | 33.848 | -0.157 |
| 30.549 | -C.028 | 30.574 | -0.020 | 30.586 | -0.049 | 30.607 | -0.049 | 33.858 | -0.165 | 33.874 | -0.215 | 33.885 | -0.251 | 33.896 | -0.231 |
| 30.616 | -C.098 | 30.642 | -0.063 | 30.650 | -0.134 | 30.674 | -0.084 | 33.904 | -0.309 | 33.919 | -0.246 | 33.939 | -0.268 | 33.952 | -0.227 |
| 30.691 | -0.134 | 30.698 | -0.105 | 30.719 | -0.098 | 30.730 | -0.113 | 33.963 | -0.255 | 33.976 | -0.192 | 33.983 | -0.228 | 34.001 | -0.180 |
| 30.743 | -0.127 | 30.758 | -0.105 | 30.774 | -0.155 | 30.788 | -0.155 | 34.020 | -0.188 | 34.032 | -0.154 | 34.046 | -0.169 | 34.057 | -0.233 |
| 30.811 | -0.155 | 30.830 | -0.056 | 30.851 | -0.113 | 30.864 | -0.091 | 34.072 | -0.256 | 34.086 | -0.214 | 34.099 | -0.208 | 34.110 | -0.209 |
| 30.876 | -0.077 | 30.883 | -0.049 | 30.904 | -0.063 | 30.920 | -0.035 | 34.117 | -0.280 | 34.137 | -0.197 | 34.154 | -0.205 | 34.163 | -0.206 |
| 30.940 | 0.036 | 30.951 | -0.006 | 30.963 | 0.043 | 30.975 | -0.035 | 34.175 | -0.157 | 34.200 | -0.137 | 34.202 | -0.144 | 34.221 | -0.109 |
| 30.993 | 0.015 | 31.012 | 0.036 | 31.027 | 0.057 | 31.045 | 0.079 | 34.237 | -0.032 | 34.250 | -0.053 | 34.255 | -0.089 | 34.268 | -0.075 |
| 31.066 | 0.072 | 31.087 | 0.135 | 31.097 | 0.178 | 31.115 | 0.206 | 34.289 | 0.002 | 34.305 | -0.020 | 34.318 | 0.023 | 34.337 | 0.015 |
| 31.123 | C.135 | 31.144 | 0.270 | 31.158 | 0.228 | 31.169 | 0.135 | 34.350 | 0.029 | 34.363 | -0.007 | 34.379 | 0.022 | 34.393 | 0.021 |
| 31.186 | 0.150 | 31.210 | 0.220 | 31.218 | 0.220 | 31.232 | 0.248 | 34.404 | -0.021 | 34.417 | -0.049 | 34.427 | -0.029 | 34.439 | 0.007 |
| 31.236 | C.156 | 31.255 | 0.227 | 31.275 | 0.276 | 31.290 | 0.290 | 34.454 | -0.015 | 34.469 | -0.008 | 34.480 | -0.093 | 34.498 | -0.101 |
| 31.310 | C.255 | 31.335 | 0.290 | 31.342 | 0.212 | 31.369 | 0.297 | 34.513 | -0.108 | 34.530 | -0.116 | 34.542 | -0.109 | 34.554 | -0.102 |
| 31.382 | C.233 | 31.395 | 0.233 | 31.416 | 0.261 | 31.430 | 0.246 | 34.574 | -0.046 | 34.583 | -0.060 | 34.600 | -0.081 | 34.614 | 0.031 |
| 31.452 | C.268 | 31.465 | 0.260 | 31.478 | 0.253 | 31.493 | 0.267 | 34.631 | 0.002 | 34.640 | -0.019 | 34.672 | -0.035 | 34.678 | -0.063 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 34.700 | 0.035 | 34.723 | 0.035 | 34.739 | 0.062 | 34.745 | 0.041 |
| 34.774 | 0.104 | 34.774 | 0.061 | 34.797 | 0.159 | 34.818 | 0.143 |
| 34.829 | 0.122 | 34.852 | 0.164 | 34.868 | 0.135 | 34.892 | 0.176 |
| 34.910 | 0.168 | 34.924 | 0.175 | 34.942 | 0.146 | 34.961 | 0.095 |
| 34.985 | 0.179 | 35.001 | 0.136 | 35.018 | 0.100 | 35.035 | 0.070 |
| 35.055 | -0.001 | 35.072 | -0.038 | 35.079 | -0.052 | 35.100 | 0.032 |
| 35.117 | -0.040 | 35.127 | -0.033 | 35.151 | 0.058 | 35.171 | 0.192 |
| 35.183 | 0.064 | 35.199 | 0.099 | 35.208 | 0.049 | 35.222 | 0.034 |
| 35.246 | 0.041 | 35.261 | 0.041 | 35.273 | 0.041 | 35.290 | -0.017 |
| 35.310 | 0.004 | 35.327 | -0.024 | 35.338 | -0.017 | 35.357 | 0.025 |
| 35.368 | 0.025 | 35.389 | 0.011 | 35.405 | 0.046 | 35.419 | 0.003 |
| 35.425 | -0.032 | 35.450 | -0.032 | 35.462 | -0.054 | 35.477 | -0.089 |
| 35.486 | -0.103 | 35.502 | -0.089 | 35.508 | -0.118 | 35.530 | -0.026 |
| 35.535 | -0.126 | 35.561 | -0.028 | 35.572 | -0.071 | 35.592 | -0.036 |
| 35.613 | -0.023 | 35.629 | -0.003 | 35.650 | -0.018 | 35.671 | -0.068 |
| 35.687 | -0.133 | 35.704 | -0.197 | 35.728 | -0.199 | 35.744 | -0.214 |
| 35.762 | -0.165 | 35.772 | -0.144 | 35.782 | -0.074 | 35.794 | -0.110 |
| 35.817 | -0.119 | 35.833 | -0.056 | 35.856 | -0.036 | 35.870 | -0.030 |
| 35.896 | -0.010 | 35.909 | -0.074 | 35.935 | 0.004 | 35.948 | -0.004 |
| 35.965 | 0.010 | 35.976 | 0.031 | 35.999 | 0.080 | 36.016 | 0.080 |
| 36.030 | 0.073 | 36.054 | 0.100 | 36.074 | 0.072 | 36.092 | 0.100 |
| 36.103 | -0.020 | 36.122 | -0.028 | 36.140 | -0.042 | 36.155 | -0.077 |
| 36.162 | -0.013 | 36.192 | -0.013 | 36.202 | 0.036 | 36.231 | 0.128 |
| 36.245 | 0.071 | 36.263 | 0.114 | 36.270 | 0.149 | 36.287 | 0.142 |
| 36.311 | 0.063 | 36.328 | 0.099 | 36.349 | 0.112 | 36.363 | 0.141 |
| 36.381 | 0.154 | 36.402 | 0.132 | 36.412 | 0.161 | 36.425 | 0.153 |
| 36.454 | -0.223 | 36.470 | 0.243 | 36.472 | 0.216 | 36.482 | 0.138 |
| 36.507 | 0.073 | 36.525 | 0.059 | 36.551 | 0.101 | 36.586 | 0.122 |
| 36.607 | 0.072 | 36.617 | 0.079 | 36.636 | 0.079 | 36.651 | 0.057 |
| 36.679 | 0.113 | 36.705 | 0.077 | 36.725 | -0.015 | 36.745 | 0.034 |
| 36.772 | -0.024 | 36.793 | -0.024 | 36.808 | -0.032 | 36.811 | -0.025 |
| 36.844 | 0.066 | 36.856 | -0.027 | 36.878 | 0.050 | 36.906 | 0.035 |
| 36.928 | 0.027 | 36.953 | 0.005 | 36.973 | 0.033 | 36.990 | -0.003 |
| 37.004 | -0.011 | 37.025 | -0.032 | 37.043 | -0.103 | 37.061 | -0.139 |
| 37.086 | -0.189 | 37.123 | -0.077 | 37.148 | -0.190 | 37.165 | -0.254 |
| 37.180 | -0.240 | 37.205 | -0.247 | 37.224 | -0.240 | 37.241 | -0.205 |
| 37.257 | -0.205 | 37.281 | -0.141 | 37.300 | -0.113 | 37.315 | -0.226 |
| 37.354 | -0.155 | 37.376 | -0.120 | 37.393 | -0.077 | 37.417 | -0.020 |
| 37.434 | -0.028 | 37.454 | -0.020 | 37.478 | -0.049 | 37.480 | -0.098 |
| 37.516 | 0.008 | 37.534 | 0.029 | 37.561 | 0.057 | 37.578 | 0.043 |
| 37.591 | -0.056 | 37.632 | 0.008 | 37.651 | 0.078 | 37.677 | 0.057 |
| 37.695 | -0.078 | 37.716 | -0.028 | 37.719 | -0.128 | 37.743 | -0.015 |
| 37.771 | 0.014 | 37.789 | -0.008 | 37.812 | 0.013 | 37.839 | 0.040 |
| 37.846 | 0.090 | 37.882 | 0.067 | 37.904 | 0.067 | 37.920 | 0.087 |
| 37.947 | 0.193 | 37.987 | 0.177 | 37.992 | 0.064 | 38.034 | 0.154 |
| 38.047 | 0.104 | 38.074 | 0.075 | 38.091 | 0.060 | 38.126 | 0.102 |
| 38.143 | 0.122 | 38.166 | 0.085 | 38.195 | 0.162 | 38.199 | -0.009 |
| 38.248 | 0.116 | 38.261 | 0.100 | 38.264 | -0.013 | 38.280 | -0.030 |
| 38.300 | -0.004 | 38.325 | 0.057 | 38.339 | -0.066 | | |

10240

71.169. 2/9/71 0600PST 9100 WILSHIRE BOULEVARD, 5TH FLOOR, BEVERLY HILLS, CAL. UP

2825 PUNTS 38.517 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 ADJUSTMENT, IS 0.1534 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.088 | 0.011 | -0.213 | 0.019 | -0.316 | 0.031 | -0.367 | 1.325 | 0.294 | 1.331 | 0.252 | 1.339 | 0.108 | 1.354 | -0.128 | 1.364 | -0.170 | 1.372 | -0.212 |
| 0.036 | -0.358 | 0.044 | -0.283 | 0.055 | -0.097 | 0.063 | 0.038 | 1.364 | -0.170 | 1.372 | -0.212 | 1.380 | -0.276 | 1.389 | -0.290 | 1.396 | -0.248 | 1.408 | -0.085 |
| 0.071 | -0.108 | 0.075 | 0.145 | 0.085 | 0.187 | 0.091 | 0.224 | 1.396 | -0.248 | 1.408 | -0.085 | 1.417 | -0.015 | 1.424 | -0.032 | 1.434 | 0.074 | 1.444 | 0.060 |
| 0.058 | -0.266 | 0.106 | 0.312 | 0.111 | 0.345 | 0.119 | 0.354 | 1.434 | 0.074 | 1.444 | 0.060 | 1.464 | 0.038 | 1.479 | -0.018 | 1.491 | -0.050 | 1.503 | -0.092 |
| 0.129 | 0.326 | 0.137 | 0.252 | 0.145 | 0.121 | 0.150 | -0.018 | 1.491 | -0.050 | 1.503 | -0.092 | 1.509 | -0.129 | 1.522 | -0.161 | 1.530 | -0.138 | 1.546 | -0.100 |
| 0.161 | -0.279 | 0.167 | -0.372 | 0.171 | -0.413 | 0.177 | -0.455 | 1.530 | -0.138 | 1.546 | -0.100 | 1.556 | -0.146 | 1.564 | -0.197 | 1.570 | -0.210 | 1.577 | -0.192 |
| 0.184 | -0.413 | 0.190 | -0.353 | 0.196 | -0.279 | 0.207 | -0.153 | 1.570 | -0.210 | 1.577 | -0.192 | 1.588 | -0.089 | 1.596 | -0.019 | 1.606 | 0.042 | 1.615 | 0.094 |
| 0.213 | -0.106 | 0.224 | -0.069 | 0.235 | -0.013 | 0.244 | 0.061 | 1.606 | 0.042 | 1.615 | 0.094 | 1.631 | 0.164 | 1.639 | 0.118 | 1.652 | 0.020 | 1.659 | -0.077 |
| 0.250 | -0.108 | 0.264 | 0.247 | 0.270 | 0.275 | 0.278 | 0.247 | 1.652 | -0.077 | 1.666 | -0.133 | 1.678 | -0.170 | 1.687 | -0.118 | 1.697 | -0.072 | 1.707 | 0.012 |
| 0.283 | -0.196 | 0.293 | 0.140 | 0.302 | 0.173 | 0.311 | 0.214 | 1.697 | -0.072 | 1.707 | 0.012 | 1.742 | -0.224 | 1.750 | -0.285 | 1.764 | -0.164 | 1.773 | -0.099 |
| 0.319 | -0.173 | 0.330 | 0.052 | 0.341 | -0.013 | 0.348 | -0.051 | 1.742 | -0.224 | 1.750 | -0.285 | 1.769 | -0.117 | 1.777 | -0.075 | 1.786 | -0.099 | 1.791 | -0.122 |
| 0.360 | -0.130 | 0.368 | -0.232 | 0.375 | -0.334 | 0.384 | -0.372 | 1.786 | -0.099 | 1.791 | -0.122 | 1.800 | -0.136 | 1.814 | -0.048 | 1.822 | -0.148 | 1.835 | 0.399 |
| 0.389 | -0.339 | 0.398 | -0.279 | 0.411 | -0.181 | 0.416 | -0.162 | 1.822 | -0.148 | 1.835 | 0.399 | 1.844 | 0.468 | 1.850 | 0.426 | 1.861 | 0.301 | 1.871 | 0.198 |
| 0.429 | -0.153 | 0.441 | -0.079 | 0.449 | -0.046 | 0.457 | -0.009 | 1.861 | 0.301 | 1.871 | 0.198 | 1.884 | 0.110 | 1.893 | 0.008 | 1.903 | -0.085 | 1.915 | -0.168 |
| 0.465 | 0.014 | 0.472 | -0.046 | 0.480 | -0.139 | 0.488 | -0.172 | 1.903 | -0.085 | 1.915 | -0.168 | 1.922 | -0.191 | 1.935 | -0.205 | 1.943 | -0.195 | 1.953 | -0.162 |
| 0.452 | -0.153 | 0.499 | -0.037 | 0.509 | 0.163 | 0.515 | 0.205 | 1.943 | -0.195 | 1.953 | -0.162 | 1.964 | -0.102 | 1.980 | -0.027 | 1.985 | -0.003 | 1.996 | 0.025 |
| 0.520 | -0.154 | 0.527 | 0.047 | 0.537 | -0.102 | 0.542 | -0.158 | 1.985 | -0.003 | 1.996 | 0.025 | 2.009 | 0.058 | 2.020 | 0.114 | 2.027 | 0.207 | 2.035 | 0.296 |
| 0.546 | -0.186 | 0.555 | -0.195 | 0.563 | -0.190 | 0.571 | -0.167 | 2.027 | 0.207 | 2.035 | 0.296 | 2.043 | 0.352 | 2.051 | 0.394 | 2.069 | 0.264 | 2.081 | 0.186 |
| 0.576 | -0.129 | 0.586 | -0.073 | 0.592 | -0.045 | 0.601 | -0.069 | 2.069 | 0.264 | 2.081 | 0.186 | 2.124 | -0.664 | 2.133 | -0.636 | 2.145 | -0.524 | 2.157 | -0.319 |
| 0.605 | -0.124 | 0.617 | -0.184 | 0.622 | -0.156 | 0.630 | -0.091 | 2.145 | -0.524 | 2.157 | -0.319 | 2.173 | -0.026 | 2.188 | 0.249 | 2.198 | 0.356 | 2.207 | 0.426 |
| 0.640 | 0.035 | 0.648 | 0.072 | 0.656 | 0.058 | 0.668 | 0.031 | 2.198 | 0.356 | 2.207 | 0.426 | 2.219 | 0.352 | 2.228 | 0.240 | 2.239 | -0.081 | 2.248 | -0.081 |
| 0.677 | -0.011 | 0.685 | -0.034 | 0.692 | -0.015 | 0.700 | 0.101 | 2.248 | -0.081 | 2.258 | -0.030 | 2.291 | -0.254 | 2.299 | -0.240 | 2.309 | -0.030 | 2.318 | -0.115 |
| 0.710 | 0.250 | 0.721 | 0.279 | 0.727 | 0.228 | 0.738 | 0.130 | 2.309 | -0.030 | 2.318 | -0.115 | 2.332 | -0.115 | 2.339 | -0.124 | 2.350 | -0.036 | 2.367 | 0.318 |
| 0.749 | 0.094 | 0.759 | 0.084 | 0.768 | 0.131 | 0.772 | 0.136 | 2.367 | 0.318 | 2.377 | 0.290 | 2.387 | 0.160 | 2.449 | -0.244 | 2.463 | -0.276 | 2.470 | -0.332 |
| 0.782 | 0.094 | 0.791 | 0.030 | 0.801 | -0.026 | 0.811 | -0.082 | 2.470 | -0.332 | 2.483 | -0.212 | 2.521 | 0.162 | 2.530 | 0.232 | 2.544 | 0.261 | 2.553 | 0.224 |
| 0.817 | -0.110 | 0.833 | -0.129 | 0.840 | -0.184 | 0.848 | -0.249 | 2.553 | 0.224 | 2.566 | 0.058 | 2.607 | -0.052 | 2.621 | -0.251 | 2.638 | -0.143 | 2.646 | -0.353 |
| 0.855 | -0.347 | 0.862 | -0.370 | 0.870 | -0.338 | 0.875 | -0.263 | 2.646 | -0.353 | 2.668 | 0.002 | 2.705 | 0.236 | 2.715 | -0.360 | 2.733 | 0.069 | 2.745 | -0.145 |
| 0.885 | -0.119 | 0.891 | 0.002 | 0.899 | 0.062 | 0.908 | 0.109 | 2.745 | -0.145 | 2.755 | -0.494 | 2.777 | -0.462 | 2.791 | -0.360 | 2.806 | -0.234 | 2.826 | -0.086 |
| 0.914 | 0.076 | 0.924 | 0.053 | 0.934 | 0.104 | 0.940 | 0.225 | 2.806 | -0.234 | 2.826 | -0.086 | 2.835 | 0.011 | 2.843 | 0.104 | 2.859 | 0.220 | 2.865 | 0.173 |
| 0.950 | 0.383 | 0.961 | 0.429 | 0.967 | 0.382 | 0.975 | 0.210 | 2.865 | 0.173 | 2.893 | -0.148 | 2.903 | -0.172 | 2.912 | -0.148 | 2.920 | 0.165 | 2.933 | 0.232 |
| 0.985 | 0.052 | 0.992 | -0.060 | 1.004 | -0.153 | 1.014 | -0.218 | 2.933 | 0.232 | 2.945 | -0.001 | 2.953 | 0.173 | 2.974 | 0.123 | 2.988 | 0.101 | 2.999 | 0.052 |
| 1.025 | -0.265 | 1.033 | -0.353 | 1.043 | -0.488 | 1.055 | -0.534 | 2.988 | 0.101 | 2.999 | 0.052 | 3.009 | 0.036 | 3.020 | 0.008 | 3.030 | -0.015 | 3.040 | -0.086 |
| 1.061 | -0.525 | 1.072 | -0.427 | 1.078 | -0.344 | 1.086 | -0.227 | 3.040 | -0.086 | 3.053 | -0.087 | 3.067 | -0.052 | 3.081 | -0.021 | 3.094 | -0.030 | 3.107 | -0.012 |
| 1.099 | -0.051 | 1.111 | 0.058 | 1.117 | 0.163 | 1.123 | 0.191 | 3.107 | -0.012 | 3.124 | -0.087 | 3.139 | -0.115 | 3.154 | -0.124 | 3.169 | -0.133 | 3.184 | -0.145 |
| 1.128 | 0.159 | 1.136 | 0.052 | 1.141 | -0.050 | 1.146 | -0.083 | 3.184 | -0.145 | 3.199 | -0.154 | 3.214 | -0.162 | 3.229 | -0.172 | 3.244 | -0.181 | 3.259 | -0.190 |
| 1.152 | -0.064 | 1.158 | 0.008 | 1.164 | 0.048 | 1.171 | 0.089 | 3.259 | -0.190 | 3.274 | -0.200 | 3.289 | -0.209 | 3.304 | -0.218 | 3.319 | -0.227 | 3.334 | -0.236 |
| 1.177 | -0.062 | 1.183 | 0.011 | 1.189 | -0.036 | 1.194 | -0.026 | 3.334 | -0.236 | 3.349 | -0.245 | 3.364 | -0.254 | 3.379 | -0.263 | 3.394 | -0.272 | 3.409 | -0.281 |
| 1.210 | -0.068 | 1.224 | -0.268 | 1.227 | -0.342 | 1.236 | -0.384 | 3.409 | -0.281 | 3.424 | -0.290 | 3.439 | -0.299 | 3.454 | -0.308 | 3.469 | -0.317 | 3.484 | -0.326 |
| 1.240 | -0.365 | 1.249 | -0.216 | 1.263 | -0.015 | 1.272 | 0.041 | 3.484 | -0.326 | 3.499 | -0.335 | 3.514 | -0.344 | 3.529 | -0.353 | 3.544 | -0.362 | 3.559 | -0.371 |
| 1.286 | 0.079 | 1.298 | 0.140 | 1.309 | 0.200 | 1.314 | 0.247 | 3.559 | -0.371 | 3.574 | -0.380 | 3.589 | -0.389 | 3.604 | -0.398 | 3.619 | -0.407 | 3.634 | -0.416 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 2.922 | -0.079 | 2.932 | -0.065 | 2.941 | -0.111 | 2.952 | -0.218 | 5.327 | 0.303 | 5.340 | 0.233 | 5.353 | 0.019 | 5.360 | -0.176 |
| 2.960 | -0.251 | 2.967 | -0.209 | 2.982 | -0.065 | 2.989 | 0.005 | 5.373 | -0.255 | 5.388 | -0.223 | 5.399 | -0.297 | 5.407 | -0.339 |
| 3.000 | 0.014 | 3.017 | 0.028 | 3.029 | 0.131 | 3.039 | 0.238 | 5.415 | -0.367 | 5.425 | -0.320 | 5.436 | -0.167 | 5.448 | -0.037 |
| 3.045 | 0.293 | 3.056 | 0.321 | 3.070 | 0.270 | 3.080 | 0.172 | 5.462 | 0.135 | 5.466 | 0.182 | 5.472 | 0.103 | 5.486 | -0.125 |
| 3.093 | 0.023 | 3.106 | -0.107 | 3.116 | -0.233 | 3.127 | -0.280 | 5.497 | -0.237 | 5.506 | -0.237 | 5.513 | -0.218 | 5.523 | -0.162 |
| 3.132 | -0.238 | 3.143 | -0.089 | 3.153 | 0.069 | 3.164 | 0.274 | 5.530 | -0.106 | 5.537 | -0.130 | 5.551 | -0.186 | 5.560 | -0.148 |
| 3.179 | 0.381 | 3.188 | 0.349 | 3.201 | 0.321 | 3.213 | 0.265 | 5.576 | -0.013 | 5.581 | 0.080 | 5.592 | 0.182 | 5.602 | 0.154 |
| 3.222 | 0.135 | 3.230 | -0.014 | 3.239 | -0.237 | 3.245 | -0.348 | 5.611 | 0.196 | 5.621 | 0.177 | 5.632 | 0.177 | 5.643 | 0.103 |
| 3.253 | 0.376 | 3.262 | -0.339 | 3.275 | -0.152 | 3.288 | 0.020 | 5.653 | 0.047 | 5.666 | -0.060 | 5.674 | -0.013 | 5.682 | 0.163 |
| 3.295 | 0.108 | 3.302 | 0.141 | 3.314 | 0.114 | 3.327 | 0.091 | 5.692 | 0.242 | 5.707 | 0.340 | 5.713 | 0.275 | 5.729 | 0.093 |
| 3.338 | 0.058 | 3.348 | -0.044 | 3.360 | -0.225 | 3.370 | -0.379 | 5.736 | -0.037 | 5.752 | -0.158 | 5.762 | -0.107 | 5.769 | 0.055 |
| 3.382 | -0.444 | 3.391 | -0.421 | 3.401 | -0.342 | 3.412 | -0.295 | 5.777 | 0.023 | 5.785 | -0.094 | 5.792 | -0.154 | 5.804 | -0.098 |
| 3.428 | -0.282 | 3.442 | -0.212 | 3.454 | -0.156 | 3.469 | -0.133 | 5.809 | -0.057 | 5.819 | -0.122 | 5.832 | -0.094 | 5.843 | -0.229 |
| 3.498 | -0.087 | 3.516 | 0.010 | 3.534 | 0.056 | 3.547 | 0.0 | 5.855 | -0.341 | 5.862 | -0.420 | 5.881 | -0.513 | 5.891 | -0.402 |
| 3.557 | -0.047 | 3.569 | -0.070 | 3.582 | -0.047 | 3.600 | 0.078 | 5.900 | -0.360 | 5.914 | -0.234 | 5.921 | -0.160 | 5.933 | -0.099 |
| 3.610 | 0.213 | 3.616 | 0.264 | 3.623 | 0.287 | 3.631 | 0.231 | 5.947 | 0.120 | 5.966 | 0.343 | 5.978 | 0.506 | 5.989 | 0.590 |
| 3.641 | 0.082 | 3.656 | -0.160 | 3.674 | -0.299 | 3.682 | -0.267 | 5.997 | 0.530 | 6.015 | 0.502 | 6.034 | 0.442 | 6.049 | 0.279 |
| 3.692 | -0.239 | 3.708 | -0.206 | 3.732 | -0.179 | 3.743 | -0.160 | 6.067 | -0.140 | 6.075 | -0.065 | 6.086 | -0.302 | 6.098 | -0.409 |
| 3.763 | -0.146 | 3.775 | -0.146 | 3.782 | -0.076 | 3.793 | 0.124 | 6.110 | -0.386 | 6.121 | -0.413 | 6.136 | -0.427 | 6.139 | -0.427 |
| 3.806 | 0.366 | 3.816 | 0.473 | 3.826 | 0.506 | 3.835 | 0.487 | 6.153 | -0.106 | 6.171 | -0.106 | 6.187 | -0.037 | 6.174 | -0.037 |
| 3.845 | 0.367 | 3.861 | 0.120 | 3.882 | -0.363 | 3.887 | -0.447 | 6.182 | -0.028 | 6.195 | 0.288 | 6.201 | 0.326 | 6.205 | 0.311 |
| 3.900 | -0.545 | 3.906 | -0.521 | 3.919 | -0.400 | 3.931 | -0.177 | 6.219 | 0.390 | 6.225 | 0.330 | 6.234 | 0.250 | 6.247 | 0.176 |
| 3.946 | 0.033 | 3.953 | 0.079 | 3.960 | 0.107 | 3.968 | 0.103 | 6.258 | 0.092 | 6.268 | 0.166 | 6.280 | 0.403 | 6.293 | -0.095 |
| 3.983 | 0.084 | 3.990 | 0.019 | 3.999 | -0.097 | 4.008 | -0.134 | 6.306 | -0.273 | 6.317 | -0.357 | 6.328 | -0.403 | 6.337 | -0.320 |
| 4.017 | -0.079 | 4.033 | 0.070 | 4.041 | 0.079 | 4.054 | 0.098 | 6.352 | -0.093 | 6.371 | 0.135 | 6.382 | 0.176 | 6.389 | 0.120 |
| 4.062 | 0.079 | 4.071 | 0.004 | 4.079 | -0.140 | 4.088 | -0.298 | 6.404 | -0.131 | 6.419 | -0.266 | 6.441 | -0.140 | 6.449 | -0.168 |
| 4.096 | -0.364 | 4.106 | -0.378 | 4.119 | -0.359 | 4.129 | -0.313 | 6.457 | -0.140 | 6.472 | -0.177 | 6.488 | 0.437 | 6.506 | 0.479 |
| 4.144 | -0.248 | 4.152 | -0.127 | 4.162 | 0.059 | 4.170 | 0.166 | 6.515 | 0.525 | 6.523 | 0.432 | 6.543 | 0.172 | 6.558 | -0.075 |
| 4.174 | 0.212 | 4.184 | 0.226 | 4.190 | 0.198 | 4.198 | 0.105 | 6.566 | -0.177 | 6.582 | -0.177 | 6.597 | 0.037 | 6.612 | 0.168 |
| 4.202 | 0.072 | 4.211 | 0.035 | 4.218 | 0.063 | 4.231 | 0.193 | 6.628 | 0.326 | 6.638 | 0.410 | 6.648 | 0.437 | 6.655 | 0.391 |
| 4.236 | 0.239 | 4.246 | 0.262 | 4.255 | 0.234 | 4.265 | 0.141 | 6.666 | 0.284 | 6.681 | -0.047 | 6.689 | -0.112 | 6.694 | -0.126 |
| 4.281 | -0.031 | 4.295 | -0.167 | 4.309 | -0.278 | 4.318 | -0.283 | 6.703 | -0.089 | 6.715 | -0.010 | 6.732 | 0.009 | 6.744 | 0.032 |
| 4.334 | -0.278 | 4.350 | -0.278 | 4.360 | -0.241 | 4.371 | -0.185 | 6.757 | -0.078 | 6.771 | -0.034 | 6.782 | 0.313 | 6.792 | 0.481 |
| 4.379 | 0.143 | 4.392 | -0.050 | 4.402 | 0.029 | 4.414 | 0.062 | 6.803 | -0.495 | 6.818 | -0.388 | 6.824 | -0.328 | 6.837 | -0.273 |
| 4.423 | 0.067 | 4.434 | 0.062 | 4.440 | 0.006 | 4.449 | -0.110 | 6.844 | -0.515 | 6.858 | -0.119 | 6.871 | 0.313 | 6.885 | 0.522 |
| 4.464 | -0.240 | 4.477 | -0.389 | 4.486 | -0.528 | 4.496 | -0.644 | 6.893 | 0.415 | 6.914 | -0.074 | 6.924 | -0.227 | 6.932 | -0.269 |
| 4.501 | -0.677 | 4.507 | -0.654 | 4.517 | -0.519 | 4.527 | -0.202 | 6.943 | -0.237 | 6.951 | -0.144 | 6.965 | -0.130 | 6.982 | 0.075 |
| 4.536 | 0.054 | 4.544 | 0.179 | 4.549 | 0.249 | 4.561 | 0.319 | 6.996 | 0.214 | 7.008 | 0.325 | 7.019 | 0.321 | 7.027 | 0.232 |
| 4.568 | 0.300 | 4.579 | 0.282 | 4.589 | 0.249 | 4.597 | 0.217 | 7.041 | -0.024 | 7.052 | -0.312 | 7.069 | -0.289 | 7.080 | -0.155 |
| 4.605 | 0.123 | 4.615 | -0.007 | 4.628 | -0.128 | 4.640 | -0.184 | 7.093 | -0.197 | 7.104 | -0.080 | 7.122 | -0.011 | 7.130 | 0.412 |
| 4.651 | -0.142 | 4.659 | -0.068 | 4.671 | -0.003 | 4.679 | -0.035 | 7.140 | 0.296 | 7.160 | 0.524 | 7.180 | 0.375 | 7.191 | 0.412 |
| 4.688 | -0.087 | 4.694 | -0.096 | 4.702 | -0.040 | 4.712 | 0.067 | 7.210 | 0.253 | 7.222 | 0.067 | 7.234 | -0.170 | 7.249 | -0.459 |
| 4.720 | 0.201 | 4.727 | 0.280 | 4.736 | 0.327 | 4.744 | 0.345 | 7.259 | -0.603 | 7.271 | -0.552 | 7.278 | -0.441 | 7.292 | -0.203 |
| 4.754 | 0.327 | 4.766 | 0.275 | 4.779 | 0.131 | 4.792 | -0.055 | 7.308 | 0.108 | 7.319 | 0.145 | 7.331 | 0.303 | 7.347 | 0.359 |
| 4.805 | -0.339 | 4.821 | -0.618 | 4.829 | -0.734 | 4.837 | -0.762 | 7.360 | 0.312 | 7.371 | 0.122 | 7.384 | -0.101 | 7.403 | -0.241 |
| 4.845 | -0.744 | 4.854 | -0.623 | 4.871 | -0.358 | 4.883 | -0.232 | 7.418 | -0.417 | 7.426 | -0.524 | 7.436 | -0.561 | 7.446 | -0.636 |
| 4.900 | -0.046 | 4.914 | 0.140 | 4.924 | 0.201 | 4.934 | 0.238 | 7.454 | -0.668 | 7.463 | -0.631 | 7.475 | -0.468 | 7.497 | 0.104 |
| 4.942 | 0.201 | 4.955 | 0.135 | 4.971 | 0.066 | 4.981 | 0.052 | 7.516 | 0.392 | 7.535 | 0.499 | 7.543 | 0.443 | 7.567 | 0.173 |
| 4.993 | 0.056 | 5.006 | 0.066 | 5.019 | 0.010 | 5.027 | -0.074 | 7.584 | 0.005 | 7.601 | -0.177 | 7.624 | -0.178 | 7.640 | -0.155 |
| 5.040 | -0.139 | 5.055 | -0.195 | 5.064 | -0.195 | 5.077 | -0.223 | 7.648 | -0.188 | 7.660 | -0.235 | 7.680 | -0.189 | 7.699 | -0.017 |
| 5.084 | -0.204 | 5.093 | -0.092 | 5.109 | 0.135 | 5.117 | 0.210 | 7.713 | 0.257 | 7.728 | 0.401 | 7.736 | 0.499 | 7.742 | 0.522 |
| 5.125 | 0.261 | 5.140 | 0.205 | 5.153 | 0.238 | 5.166 | 0.252 | 7.750 | 0.489 | 7.761 | 0.303 | 7.786 | 0.042 | 7.804 | -0.223 |
| 5.181 | 0.252 | 5.187 | 0.210 | 5.201 | -0.055 | 5.210 | -0.311 | 7.819 | -0.530 | 7.830 | -0.609 | 7.837 | -0.534 | 7.854 | -0.074 |
| 5.218 | -0.367 | 5.225 | -0.344 | 5.233 | -0.302 | 5.239 | -0.283 | 7.865 | 0.126 | 7.878 | 0.168 | 7.884 | 0.131 | 7.905 | -0.120 |
| 5.243 | -0.316 | 5.248 | -0.362 | 5.256 | -0.381 | 5.263 | -0.316 | 7.919 | -0.190 | 7.936 | -0.362 | 7.957 | -0.599 | 7.968 | -0.632 |
| 5.277 | -0.186 | 5.290 | 0.036 | 5.310 | 0.275 | 5.320 | 0.340 | 7.976 | -0.576 | 7.991 | -0.223 | 8.010 | 0.182 | 8.022 | 0.238 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8.034 | 0.177 | 8.050 | 0.075 | 8.063 | 0.052 | 8.079 | 0.019 | 10.673 | 0.422 | 10.690 | 0.440 | 10.702 | 0.375 | 10.715 | 0.208 |
| 8.100 | -0.092 | 8.110 | -0.111 | 8.126 | -0.083 | 8.137 | -0.027 | 10.725 | 0.068 | 10.742 | -0.006 | 10.753 | 0.004 | 10.765 | 0.055 |
| 8.153 | -0.105 | 8.174 | -0.055 | 8.192 | 0.117 | 8.192 | 0.168 | 10.769 | 0.008 | 10.780 | 0.080 | 10.791 | -0.121 | 10.802 | -0.080 |
| 8.206 | -0.205 | 8.215 | 0.168 | 8.227 | 0.066 | 8.241 | 0.056 | 10.817 | 0.059 | 10.826 | 0.176 | 10.834 | 0.208 | 10.846 | 0.226 |
| 8.248 | -0.089 | 8.260 | 0.126 | 8.274 | 0.159 | 8.283 | 0.061 | 10.855 | 0.170 | 10.873 | 0.026 | 10.893 | -0.040 | 10.900 | -0.101 |
| 8.294 | -0.120 | 8.299 | -0.172 | 8.312 | -0.233 | 8.324 | 0.153 | 10.912 | -0.231 | 10.925 | -0.409 | 10.937 | -0.396 | 10.942 | -0.335 |
| 8.332 | -0.060 | 8.340 | 0.028 | 8.351 | 0.153 | 8.360 | 0.204 | 10.954 | -0.373 | 10.963 | -0.168 | 10.971 | 0.051 | 10.987 | 0.158 |
| 8.377 | -0.283 | 8.393 | 0.339 | 8.407 | 0.404 | 8.416 | 0.353 | 10.998 | 0.320 | 11.008 | 0.376 | 11.016 | 0.302 | 11.026 | 0.321 |
| 8.433 | -0.171 | 8.446 | -0.118 | 8.454 | -0.257 | 8.465 | -0.271 | 11.039 | 0.274 | 11.043 | 0.158 | 11.055 | 0.051 | 11.066 | -0.121 |
| 8.476 | -0.253 | 8.488 | -0.132 | 8.499 | -0.048 | 8.511 | 0.003 | 11.074 | 0.283 | 11.087 | -0.390 | 11.100 | -0.260 | 11.108 | -0.157 |
| 8.523 | -0.048 | 8.534 | -0.076 | 8.556 | -0.109 | 8.566 | -0.216 | 11.118 | -0.017 | 11.129 | 0.104 | 11.137 | 0.206 | 11.150 | 0.299 |
| 8.575 | -0.272 | 8.586 | -0.276 | 8.592 | 0.262 | 8.606 | -0.156 | 11.162 | 0.420 | 11.171 | 0.453 | 11.183 | 0.346 | 11.196 | 0.253 |
| 8.619 | -0.030 | 8.630 | 0.165 | 8.642 | 0.272 | 8.650 | 0.300 | 11.206 | 0.342 | 11.214 | 0.235 | 11.225 | 0.300 | 11.235 | 0.166 |
| 8.661 | -0.351 | 8.668 | -0.332 | 8.677 | 0.327 | 8.685 | 0.285 | 11.243 | 0.073 | 11.257 | -0.031 | 11.267 | -0.087 | 11.277 | -0.030 |
| 8.698 | 0.067 | 8.716 | -0.241 | 8.723 | -0.343 | 8.735 | -0.306 | 11.288 | -0.281 | 11.296 | -0.197 | 11.306 | -0.109 | 11.317 | -0.509 |
| 8.745 | -0.311 | 8.755 | -0.274 | 8.763 | -0.316 | 8.768 | -0.311 | 11.329 | -0.160 | 11.348 | 0.040 | 11.355 | -0.072 | 11.370 | 0.384 |
| 8.777 | -0.483 | 8.788 | -0.468 | 8.796 | -0.497 | 8.804 | -0.441 | 11.383 | 0.240 | 11.393 | 0.482 | 11.411 | -0.176 | 11.419 | 0.259 |
| 8.817 | -0.279 | 8.828 | -0.153 | 8.854 | -0.097 | 8.868 | 0.103 | 11.432 | 0.061 | 11.444 | -0.168 | 11.469 | -0.229 | 11.489 | -0.084 |
| 8.879 | -0.349 | 8.893 | 0.596 | 8.899 | 0.661 | 8.907 | 0.545 | 11.509 | -0.080 | 11.521 | -0.047 | 11.532 | -0.005 | 11.551 | -0.070 |
| 8.924 | -0.154 | 8.941 | -0.218 | 8.952 | -0.288 | 8.959 | -0.404 | 11.571 | -0.145 | 11.597 | -0.085 | 11.612 | -0.159 | 11.634 | -0.085 |
| 8.967 | -0.195 | 8.976 | -0.441 | 8.986 | -0.637 | 8.996 | -0.576 | 11.645 | -0.169 | 11.660 | -0.365 | 11.675 | -0.290 | 11.686 | -0.346 |
| 9.004 | -0.730 | 9.023 | -0.106 | 9.028 | -0.148 | 9.041 | 0.075 | 11.705 | -0.201 | 11.719 | -0.141 | 11.734 | -0.080 | 11.744 | 0.013 |
| 9.049 | -0.224 | 9.055 | 0.070 | 9.066 | 0.066 | 9.078 | 0.205 | 11.765 | 0.306 | 11.774 | 0.409 | 11.784 | 0.460 | 11.803 | 0.423 |
| 9.085 | -0.173 | 9.096 | 0.307 | 9.105 | 0.187 | 9.111 | 0.228 | 11.811 | 0.372 | 11.822 | 0.167 | 11.841 | -0.056 | 11.855 | -0.149 |
| 9.123 | -0.075 | 9.133 | -0.050 | 9.150 | -0.134 | 9.157 | -0.204 | 11.878 | -0.232 | 11.894 | -0.125 | 11.907 | -0.023 | 11.917 | 0.066 |
| 9.172 | -0.245 | 9.183 | -0.329 | 9.193 | -0.328 | 9.201 | -0.361 | 11.941 | 0.028 | 11.955 | 0.084 | 11.966 | 0.131 | 11.976 | 0.177 |
| 9.219 | -0.425 | 9.228 | -0.184 | 9.242 | -0.031 | 9.252 | 0.034 | 11.986 | 0.145 | 11.995 | 0.159 | 12.007 | -0.051 | 12.020 | 0.075 |
| 9.264 | -0.085 | 9.277 | 0.146 | 9.287 | 0.234 | 9.304 | 0.387 | 12.033 | -0.032 | 12.043 | 0.024 | 12.054 | -0.079 | 12.064 | -0.139 |
| 9.312 | -0.321 | 9.329 | 0.149 | 9.346 | -0.154 | 9.366 | -0.568 | 12.072 | -0.241 | 12.086 | -0.255 | 12.104 | -0.264 | 12.123 | -0.203 |
| 9.376 | -0.615 | 9.383 | -0.563 | 9.397 | -0.387 | 9.414 | -0.150 | 12.137 | -0.222 | 12.148 | -0.236 | 12.157 | -0.315 | 12.171 | -0.217 |
| 9.430 | -0.013 | 9.444 | 0.199 | 9.452 | 0.241 | 9.473 | 0.306 | 12.186 | -0.230 | 12.202 | -0.216 | 12.219 | -0.160 | 12.237 | -0.137 |
| 9.485 | -0.260 | 9.500 | 0.088 | 9.514 | -0.094 | 9.536 | -0.192 | 12.254 | -0.053 | 12.262 | -0.002 | 12.275 | -0.030 | 12.284 | 0.039 |
| 9.545 | -0.090 | 9.557 | 0.031 | 9.574 | 0.063 | 9.582 | -0.025 | 12.292 | -0.012 | 12.302 | 0.021 | 12.315 | -0.082 | 12.328 | -0.175 |
| 9.594 | -0.123 | 9.604 | -0.142 | 9.611 | -0.110 | 9.622 | -0.040 | 12.334 | -0.250 | 12.349 | -0.255 | 12.364 | -0.204 | 12.376 | -0.102 |
| 9.635 | -0.029 | 9.644 | -0.046 | 9.658 | -0.111 | 9.671 | -0.056 | 12.390 | -0.018 | 12.400 | -0.037 | 12.418 | 0.018 | 12.435 | 0.027 |
| 9.678 | -0.037 | 9.684 | 0.023 | 9.693 | 0.028 | 9.707 | -0.047 | 12.451 | 0.088 | 12.462 | 0.059 | 12.478 | 0.017 | 12.491 | -0.057 |
| 9.723 | -0.038 | 9.738 | 0.036 | 9.752 | 0.190 | 9.763 | 0.324 | 12.505 | -0.118 | 12.517 | -0.095 | 12.535 | -0.026 | 12.550 | -0.073 |
| 9.781 | -0.338 | 9.791 | 0.175 | 9.803 | 0.073 | 9.818 | 0.203 | 12.565 | -0.115 | 12.582 | -0.152 | 12.601 | -0.050 | 12.610 | -0.003 |
| 9.827 | -0.012 | 9.835 | 0.138 | 9.847 | 0.045 | 9.853 | -0.042 | 12.626 | 0.020 | 12.649 | -0.066 | 12.664 | -0.036 | 12.677 | -0.036 |
| 9.861 | -0.004 | 9.876 | 0.178 | 9.896 | -0.424 | 9.911 | -0.442 | 12.689 | -0.064 | 12.694 | -0.692 | 12.702 | -0.102 | 12.709 | -0.102 |
| 9.918 | -0.512 | 9.927 | -0.563 | 9.935 | -0.596 | 9.944 | -0.559 | 12.715 | -0.088 | 12.722 | -0.078 | 12.732 | -0.032 | 12.745 | 0.038 |
| 9.955 | -0.419 | 9.968 | -0.187 | 9.976 | -0.075 | 9.984 | -0.052 | 12.757 | 0.075 | 12.773 | 0.135 | 12.780 | 0.154 | 12.792 | 0.154 |
| 9.989 | -0.001 | 10.003 | 0.008 | 10.013 | -0.002 | 10.026 | 0.044 | 12.801 | 0.121 | 12.813 | 0.182 | 12.832 | 0.214 | 12.839 | 0.159 |
| 10.032 | -0.007 | 10.046 | -0.100 | 10.056 | -0.157 | 10.067 | 0.185 | 12.854 | 0.084 | 12.871 | -0.009 | 12.901 | -0.111 | 12.915 | -0.111 |
| 10.077 | -0.162 | 10.089 | -0.102 | 10.103 | 0.125 | 10.110 | 0.218 | 12.930 | -0.130 | 12.944 | -0.144 | 12.959 | -0.148 | 12.976 | -0.176 |
| 10.119 | -0.255 | 10.128 | 0.159 | 10.139 | 0.096 | 10.159 | -0.238 | 12.987 | -0.106 | 13.000 | -0.060 | 13.006 | -0.074 | 13.016 | -0.051 |
| 10.169 | -0.361 | 10.186 | -0.408 | 10.194 | -0.370 | 10.204 | -0.305 | 13.029 | -0.097 | 13.047 | -0.074 | 13.060 | -0.009 | 13.080 | 0.056 |
| 10.215 | -0.151 | 10.230 | -0.105 | 10.242 | 0.048 | 10.254 | 0.174 | 13.092 | 0.047 | 13.105 | -0.079 | 13.119 | -0.158 | 13.130 | -0.209 |
| 10.260 | 0.051 | 10.272 | 0.016 | 10.285 | -0.216 | 10.301 | -0.244 | 13.136 | -0.232 | 13.150 | -0.223 | 13.159 | -0.204 | 13.167 | -0.097 |
| 10.313 | -0.267 | 10.328 | -0.179 | 10.338 | -0.137 | 10.349 | -0.085 | 13.177 | -0.037 | 13.187 | -0.004 | 13.206 | 0.038 | 13.226 | 0.005 |
| 10.365 | -0.017 | 10.377 | 0.095 | 10.394 | 0.127 | 10.410 | 0.001 | 13.241 | -0.027 | 13.255 | -0.074 | 13.260 | -0.074 | 13.277 | -0.106 |
| 10.421 | -0.092 | 10.431 | -0.153 | 10.445 | -0.139 | 10.455 | -0.065 | 13.292 | -0.111 | 13.304 | -0.078 | 13.320 | -0.046 | 13.336 | -0.046 |
| 10.463 | 0.061 | 10.478 | 0.242 | 10.488 | 0.228 | 10.504 | 0.191 | 13.351 | -0.055 | 13.370 | -0.046 | 13.388 | -0.041 | 13.405 | -0.041 |
| 10.517 | -0.099 | 10.532 | -0.079 | 10.550 | -0.321 | 10.558 | -0.451 | 13.423 | 0.039 | 13.439 | 0.025 | 13.453 | -0.008 | 13.471 | -0.049 |
| 10.566 | -0.521 | 10.579 | -0.484 | 10.595 | -0.372 | 10.609 | -0.210 | 13.487 | -0.068 | 13.506 | -0.068 | 13.516 | -0.012 | 13.532 | 0.039 |
| 10.621 | -0.004 | 10.634 | 0.162 | 10.647 | 0.287 | 10.662 | 0.362 | 13.547 | 0.077 | 13.563 | 0.119 | 13.584 | 0.193 | 13.605 | 0.203 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 13.621 | C.189 | 13.635 | 0.110 | 13.650 | 0.031 | 13.664 | -0.034 | 16.908 | 0.024 | 16.930 | -0.013 | 16.956 | -0.032 | 16.975 | -0.041 |
| 13.680 | -0.072 | 13.698 | -0.063 | 13.714 | -0.067 | 13.726 | -0.056 | 16.996 | -0.083 | 17.007 | -0.171 | 17.039 | -0.120 | 17.050 | -0.087 |
| 13.741 | 0.002 | 13.761 | 0.053 | 13.780 | 0.058 | 13.799 | 0.063 | 17.065 | 0.025 | 17.075 | 0.050 | 17.099 | 0.001 | 17.111 | -0.101 |
| 13.815 | -0.082 | 13.828 | -0.138 | 13.845 | -0.198 | 13.859 | -0.249 | 17.129 | -0.133 | 17.147 | -0.226 | 17.167 | -0.315 | 17.176 | -0.338 |
| 13.875 | -0.249 | 13.891 | -0.217 | 13.902 | -0.161 | 13.909 | -0.124 | 17.189 | -0.319 | 17.202 | -0.263 | 17.215 | -0.188 | 17.236 | -0.142 |
| 13.921 | -0.129 | 13.937 | -0.120 | 13.947 | -0.059 | 13.960 | 0.025 | 17.248 | -0.118 | 17.267 | -0.164 | 17.281 | -0.178 | 17.297 | -0.150 |
| 13.972 | 0.131 | 13.988 | 0.173 | 14.005 | 0.113 | 14.015 | 0.029 | 17.306 | -0.103 | 17.321 | -0.103 | 17.338 | -0.122 | 17.347 | -0.149 |
| 14.026 | -0.008 | 14.040 | 0.052 | 14.055 | 0.108 | 14.066 | 0.131 | 17.361 | -0.186 | 17.376 | -0.154 | 17.392 | -0.153 | 17.403 | -0.167 |
| 14.082 | C.089 | 14.094 | 0.038 | 14.113 | 0.024 | 14.131 | 0.066 | 17.413 | -0.190 | 17.434 | -0.111 | 17.446 | -0.018 | 17.466 | 0.019 |
| 14.145 | C.066 | 14.168 | 0.061 | 14.177 | 0.112 | 14.186 | 0.061 | 17.458 | 0.033 | 17.471 | 0.048 | 17.481 | 0.020 | 17.494 | -0.050 |
| 14.198 | 0.001 | 14.216 | -0.027 | 14.239 | 0.028 | 14.242 | 0.075 | 17.507 | -0.110 | 17.522 | -0.184 | 17.539 | -0.235 | 17.553 | -0.244 |
| 14.252 | C.103 | 14.272 | 0.117 | 14.283 | 0.108 | 14.297 | 0.084 | 17.567 | -0.207 | 17.585 | -0.156 | 17.608 | -0.072 | 17.615 | -0.104 |
| 14.319 | 0.066 | 14.330 | 0.066 | 14.357 | 0.080 | 14.367 | 0.140 | 17.639 | -0.071 | 17.650 | -0.080 | 17.656 | -0.099 | 17.672 | -0.057 |
| 14.389 | 0.126 | 14.396 | 0.089 | 14.414 | 0.038 | 14.434 | 0.023 | 17.691 | -0.033 | 17.716 | -0.014 | 17.734 | -0.009 | 17.745 | -0.051 |
| 14.449 | -0.074 | 14.459 | -0.092 | 14.472 | -0.092 | 14.487 | -0.037 | 17.758 | 0.014 | 17.769 | 0.066 | 17.783 | 0.052 | 17.799 | -0.004 |
| 14.504 | 0.042 | 14.515 | 0.098 | 14.538 | 0.113 | 14.538 | 0.134 | 17.809 | -0.073 | 17.826 | -0.101 | 17.838 | -0.120 | 17.848 | -0.040 |
| 14.552 | 0.112 | 14.581 | 0.047 | 14.590 | -0.013 | 14.605 | -0.083 | 17.864 | 0.011 | 17.880 | 0.104 | 17.894 | 0.123 | 17.909 | 0.114 |
| 14.617 | -0.111 | 14.634 | -0.083 | 14.654 | -0.059 | 14.674 | -0.013 | 17.917 | 0.100 | 17.930 | 0.068 | 17.943 | 0.068 | 17.959 | 0.073 |
| 14.693 | 0.038 | 14.720 | 0.062 | 14.721 | -0.013 | 14.741 | -0.068 | 17.984 | 0.059 | 17.995 | 0.022 | 18.001 | 0.009 | 18.012 | 0.055 |
| 14.753 | -0.077 | 14.775 | -0.068 | 14.790 | -0.045 | 14.799 | -0.054 | 18.025 | 0.121 | 18.044 | 0.200 | 18.053 | 0.237 | 18.064 | 0.210 |
| 14.815 | -0.063 | 14.837 | -0.044 | 14.849 | 0.012 | 14.875 | 0.022 | 18.078 | 0.191 | 18.098 | 0.187 | 18.114 | 0.201 | 18.128 | 0.169 |
| 14.885 | -0.057 | 14.897 | -0.127 | 14.916 | -0.183 | 14.933 | -0.173 | 18.153 | 0.169 | 18.163 | 0.128 | 18.180 | 0.123 | 18.193 | 0.128 |
| 14.939 | -0.178 | 14.953 | -0.154 | 14.969 | -0.191 | 14.994 | -0.191 | 18.210 | 0.133 | 18.225 | 0.124 | 18.240 | 0.096 | 18.266 | 0.045 |
| 15.004 | -0.196 | 15.015 | -0.117 | 15.035 | -0.065 | 15.049 | -0.093 | 18.280 | 0.092 | 18.286 | 0.069 | 18.304 | 0.129 | 18.313 | 0.129 |
| 15.064 | -0.107 | 15.078 | -0.046 | 15.087 | 0.005 | 15.093 | 0.037 | 18.326 | 0.139 | 18.341 | 0.074 | 18.355 | 0.116 | 18.373 | 0.172 |
| 15.105 | -0.134 | 15.117 | -0.102 | 15.130 | -0.190 | 15.138 | -0.204 | 18.392 | 0.265 | 18.408 | 0.242 | 18.425 | 0.326 | 18.449 | 0.382 |
| 15.149 | -0.181 | 15.164 | -0.108 | 15.169 | -0.041 | 15.184 | 0.010 | 18.455 | 0.275 | 18.469 | 0.205 | 18.490 | 0.093 | 18.509 | 0.116 |
| 15.199 | 0.061 | 15.218 | 0.108 | 15.226 | 0.131 | 15.241 | 0.131 | 18.521 | 0.070 | 18.535 | 0.074 | 18.549 | 0.172 | 18.564 | 0.209 |
| 15.247 | 0.061 | 15.258 | -0.041 | 15.266 | -0.153 | 15.281 | -0.186 | 18.579 | 0.260 | 18.591 | 0.334 | 18.601 | 0.329 | 18.616 | 0.339 |
| 15.290 | -0.260 | 15.300 | -0.325 | 15.315 | -0.339 | 15.329 | -0.274 | 18.632 | 0.324 | 18.651 | 0.343 | 18.669 | 0.301 | 18.683 | 0.263 |
| 15.339 | -0.181 | 15.350 | -0.097 | 15.361 | -0.032 | 15.377 | -0.004 | 18.698 | 0.258 | 18.706 | 0.160 | 18.728 | 0.197 | 18.733 | 0.085 |
| 15.389 | -0.009 | 15.407 | -0.027 | 15.427 | -0.055 | 15.437 | -0.088 | 18.749 | 0.080 | 18.768 | 0.066 | 18.780 | 0.084 | 18.788 | 0.112 |
| 15.447 | -0.134 | 15.460 | -0.097 | 15.476 | -0.065 | 15.489 | -0.001 | 18.799 | 0.153 | 18.814 | 0.227 | 18.826 | 0.260 | 18.835 | 0.152 |
| 15.505 | 0.042 | 15.521 | 0.042 | 15.539 | 0.033 | 15.551 | 0.010 | 18.847 | 0.087 | 18.869 | 0.119 | 18.880 | 0.072 | 18.899 | 0.090 |
| 15.563 | 0.066 | 15.580 | 0.094 | 15.599 | 0.135 | 15.608 | 0.084 | 18.922 | 0.094 | 18.930 | 0.052 | 18.947 | 0.088 | 18.970 | 0.134 |
| 15.625 | 0.033 | 15.643 | -0.018 | 15.672 | -0.041 | 15.682 | -0.051 | 18.983 | 0.092 | 18.997 | 0.059 | 19.019 | 0.100 | 19.027 | 0.067 |
| 15.691 | C.005 | 15.707 | 0.066 | 15.722 | 0.126 | 15.735 | 0.194 | 19.039 | 0.057 | 19.054 | 0.098 | 19.076 | 0.065 | 19.086 | 0.013 |
| 15.746 | 0.214 | 15.760 | 0.135 | 15.779 | 0.019 | 15.794 | -0.106 | 19.100 | -0.020 | 19.119 | -0.062 | 19.131 | -0.156 | 19.150 | -0.115 |
| 15.810 | -0.134 | 15.822 | -0.097 | 15.836 | -0.041 | 15.855 | -0.014 | 19.162 | -0.116 | 19.175 | -0.051 | 19.187 | 0.004 | 19.200 | -0.029 |
| 15.869 | 0.014 | 15.878 | 0.033 | 15.890 | 0.089 | 15.900 | 0.112 | 19.217 | -0.016 | 19.232 | 0.002 | 19.244 | -0.069 | 19.258 | -0.106 |
| 15.916 | 0.080 | 15.931 | 0.019 | 15.949 | -0.055 | 15.970 | -0.079 | 19.277 | -0.135 | 19.288 | -0.187 | 19.300 | -0.211 | 19.313 | -0.197 |
| 15.981 | -0.060 | 16.007 | 0.038 | 16.024 | 0.108 | 16.045 | 0.191 | 19.332 | -0.198 | 19.339 | -0.194 | 19.353 | -0.125 | 19.361 | -0.088 |
| 16.063 | 0.201 | 16.076 | 0.201 | 16.092 | 0.089 | 16.107 | -0.018 | 19.376 | -0.107 | 19.387 | -0.065 | 19.401 | -0.056 | 19.407 | -0.117 |
| 16.122 | -0.148 | 16.135 | -0.218 | 16.151 | -0.158 | 16.166 | -0.102 | 19.424 | -0.127 | 19.436 | -0.123 | 19.452 | -0.147 | 19.459 | -0.161 |
| 16.172 | -0.055 | 16.185 | -0.051 | 16.199 | -0.032 | 16.215 | -0.008 | 19.469 | -0.166 | 19.489 | -0.129 | 19.506 | -0.088 | 19.518 | -0.065 |
| 16.227 | 0.001 | 16.246 | 0.071 | 16.253 | 0.090 | 16.272 | 0.067 | 19.530 | -0.093 | 19.541 | -0.066 | 19.561 | -0.029 | 19.562 | -0.071 |
| 16.279 | -0.022 | 16.296 | -0.133 | 16.314 | -0.184 | 16.327 | -0.193 | 19.576 | -0.095 | 19.590 | -0.132 | 19.615 | -0.123 | 19.629 | -0.170 |
| 16.336 | -0.133 | 16.350 | -0.054 | 16.361 | 0.053 | 16.376 | 0.133 | 19.639 | -0.174 | 19.654 | -0.132 | 19.664 | -0.156 | 19.682 | -0.077 |
| 16.392 | 0.203 | 16.412 | 0.193 | 16.420 | 0.166 | 16.436 | 0.045 | 19.699 | -0.054 | 19.711 | -0.025 | 19.722 | 0.039 | 19.732 | -0.003 |
| 16.452 | -0.039 | 16.468 | -0.043 | 16.489 | -0.043 | 16.505 | -0.028 | 19.753 | 0.053 | 19.761 | -0.031 | 19.773 | -0.064 | 19.794 | -0.078 |
| 16.523 | -0.009 | 16.542 | 0.014 | 16.560 | 0.038 | 16.576 | 0.103 | 19.805 | -0.115 | 19.822 | -0.106 | 19.833 | -0.129 | 19.851 | -0.050 |
| 16.592 | 0.169 | 16.607 | 0.225 | 16.626 | 0.258 | 16.644 | 0.226 | 19.864 | -0.041 | 19.875 | -0.037 | 19.888 | -0.027 | 19.904 | 0.001 |
| 16.663 | 0.142 | 16.683 | 0.063 | 16.706 | 0.040 | 16.714 | 0.022 | 19.917 | -0.018 | 19.933 | -0.027 | 19.938 | -0.037 | 19.956 | -0.079 |
| 16.731 | 0.059 | 16.743 | 0.027 | 16.758 | -0.010 | 16.776 | -0.033 | 19.972 | -0.069 | 19.990 | -0.065 | 20.003 | -0.079 | 20.012 | -0.092 |
| 16.792 | -0.024 | 16.806 | 0.004 | 16.826 | 0.085 | 16.838 | 0.009 | 20.025 | -0.144 | 20.047 | -0.051 | 20.059 | -0.037 | 20.070 | -0.046 |
| 16.854 | 0.009 | 16.868 | 0.061 | 16.883 | 0.089 | 16.897 | 0.070 | 20.079 | -0.023 | 20.095 | -0.009 | 20.112 | 0.019 | 20.126 | 0.010 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 20.129 | -0.013 | 20.141 | -0.074 | 20.151 | -0.083 | 20.170 | -0.079 | 23.480 | 0.105 | 23.502 | 0.105 | 23.503 | -0.040 | 23.529 | -0.007 |
| 20.184 | -0.092 | 20.194 | -0.074 | 20.204 | -0.032 | 20.224 | -0.027 | 23.561 | 0.020 | 23.565 | -0.003 | 23.590 | 0.090 | 23.608 | 0.090 |
| 20.239 | -0.019 | 20.248 | 0.014 | 20.263 | -0.009 | 20.278 | 0.010 | 23.641 | 0.080 | 23.650 | 0.094 | 23.690 | 0.062 | 23.707 | 0.061 |
| 20.290 | -0.013 | 20.295 | 0.019 | 20.311 | 0.019 | 20.327 | 0.033 | 23.730 | 0.024 | 23.743 | 0.015 | 23.760 | 0.010 | 23.773 | 0.015 |
| 20.337 | -0.070 | 20.352 | 0.075 | 20.361 | 0.024 | 20.379 | 0.066 | 23.785 | 0.053 | 23.796 | 0.005 | 23.825 | 0.052 | 23.835 | 0.005 |
| 20.357 | 0.117 | 20.408 | 0.061 | 20.424 | -0.013 | 20.437 | -0.069 | 23.860 | 0.071 | 23.877 | 0.071 | 23.892 | 0.061 | 23.903 | 0.052 |
| 20.448 | -0.083 | 20.455 | -0.069 | 20.484 | -0.097 | 20.474 | -0.074 | 23.925 | 0.103 | 23.927 | 0.038 | 23.955 | 0.085 | 23.973 | 0.094 |
| 20.493 | -0.032 | 20.511 | -0.009 | 20.527 | 0.080 | 20.545 | 0.117 | 23.979 | -0.008 | 24.013 | 0.071 | 24.034 | 0.104 | 24.048 | 0.099 |
| 20.556 | 0.131 | 20.565 | 0.103 | 20.583 | 0.135 | 20.597 | 0.126 | 24.069 | 0.118 | 24.079 | 0.062 | 24.109 | 0.103 | 24.127 | 0.114 |
| 20.611 | 0.145 | 20.620 | 0.126 | 20.632 | 0.103 | 20.647 | 0.094 | 24.145 | 0.081 | 24.163 | 0.077 | 24.178 | 0.003 | 24.198 | 0.040 |
| 20.664 | 0.103 | 20.675 | 0.080 | 20.693 | 0.131 | 20.701 | 0.126 | 24.209 | 0.089 | 24.230 | 0.073 | 24.244 | 0.078 | 24.259 | 0.087 |
| 20.718 | 0.210 | 20.731 | 0.214 | 20.735 | 0.173 | 20.753 | 0.182 | 24.275 | 0.078 | 24.293 | 0.083 | 24.307 | 0.060 | 24.322 | 0.013 |
| 20.766 | 0.089 | 20.786 | 0.080 | 20.799 | 0.066 | 20.807 | -0.037 | 24.344 | 0.018 | 24.353 | 0.023 | 24.368 | -0.005 | 24.377 | 0.032 |
| 20.824 | 0.014 | 20.842 | 0.024 | 20.852 | 0.075 | 20.858 | 0.066 | 24.396 | 0.069 | 24.414 | 0.107 | 24.433 | 0.116 | 24.452 | 0.093 |
| 20.869 | 0.080 | 20.886 | 0.182 | 20.902 | 0.168 | 20.913 | 0.219 | 24.526 | 0.089 | 24.547 | 0.107 | 24.558 | 0.126 | 24.579 | 0.098 |
| 20.929 | 0.242 | 20.942 | 0.256 | 20.955 | 0.163 | 20.959 | 0.080 | 24.595 | 0.126 | 24.611 | 0.126 | 24.623 | 0.117 | 24.639 | 0.144 |
| 21.043 | 0.028 | 21.055 | 0.038 | 21.064 | 0.052 | 21.080 | 0.112 | 24.721 | 0.037 | 24.739 | 0.069 | 24.758 | 0.060 | 24.770 | 0.032 |
| 21.100 | 0.187 | 21.119 | 0.150 | 21.133 | 0.150 | 21.141 | 0.080 | 24.792 | 0.027 | 24.800 | 0.017 | 24.821 | 0.110 | 24.845 | 0.105 |
| 21.156 | 0.066 | 21.169 | 0.034 | 21.187 | 0.029 | 21.199 | 0.010 | 24.862 | 0.083 | 24.881 | 0.002 | 24.895 | -0.082 | 24.908 | -0.124 |
| 21.217 | 0.030 | 21.232 | 0.057 | 21.249 | 0.085 | 21.259 | 0.043 | 24.934 | -0.096 | 24.961 | 0.011 | 24.983 | 0.029 | 25.005 | 0.024 |
| 21.331 | 0.104 | 21.354 | 0.063 | 21.365 | 0.123 | 21.320 | 0.151 | 25.031 | -0.013 | 25.051 | 0.019 | 25.070 | 0.033 | 25.081 | -0.004 |
| 21.397 | 0.016 | 21.413 | 0.026 | 21.428 | 0.096 | 21.447 | 0.101 | 25.099 | -0.032 | 25.128 | 0.056 | 25.160 | 0.061 | 25.165 | -0.009 |
| 21.458 | 0.143 | 21.477 | 0.092 | 21.492 | 0.068 | 21.508 | 0.083 | 25.202 | 0.084 | 25.223 | 0.052 | 25.242 | -0.004 | 25.269 | -0.041 |
| 21.518 | 0.073 | 21.528 | 0.055 | 21.539 | -0.019 | 21.559 | -0.015 | 25.270 | -0.064 | 25.305 | 0.019 | 25.319 | 0.038 | 25.340 | 0.093 |
| 21.637 | -0.029 | 21.592 | 0.009 | 21.600 | 0.065 | 21.621 | 0.167 | 25.360 | -0.021 | 25.377 | 0.078 | 25.405 | 0.072 | 25.405 | -0.026 |
| 21.687 | 0.158 | 21.693 | 0.042 | 21.713 | 0.009 | 21.728 | 0.009 | 25.415 | -0.021 | 25.430 | 0.006 | 25.442 | -0.018 | 25.457 | -0.023 |
| 21.736 | -0.019 | 21.765 | 0.037 | 21.774 | 0.065 | 21.790 | 0.107 | 25.472 | 0.008 | 25.486 | 0.035 | 25.494 | 0.030 | 25.505 | 0.019 |
| 21.806 | 0.103 | 21.818 | 0.103 | 21.824 | 0.052 | 21.852 | 0.066 | 25.517 | 0.032 | 25.528 | 0.022 | 25.536 | 0.044 | 25.553 | 0.071 |
| 21.870 | 0.061 | 21.885 | 0.038 | 21.896 | 0.010 | 21.920 | -0.018 | 25.578 | 0.032 | 25.588 | 0.003 | 25.596 | -0.016 | 25.605 | -0.021 |
| 21.995 | -0.032 | 21.951 | -0.046 | 21.966 | 0.009 | 21.973 | 0.019 | 25.622 | -0.012 | 25.636 | -0.004 | 25.645 | 0.010 | 25.653 | 0.041 |
| 22.042 | -0.037 | 22.005 | 0.107 | 22.018 | 0.074 | 22.030 | 0.050 | 25.676 | 0.064 | 25.692 | 0.073 | 25.711 | 0.063 | 25.723 | 0.035 |
| 22.059 | -0.033 | 22.116 | 0.046 | 22.131 | -0.028 | 22.143 | 0.032 | 25.735 | 0.012 | 25.751 | 0.003 | 25.764 | 0.003 | 25.777 | 0.031 |
| 22.148 | -0.024 | 22.164 | 0.037 | 22.172 | 0.041 | 22.192 | 0.060 | 25.788 | 0.045 | 25.802 | 0.049 | 25.823 | -0.020 | 25.838 | 0.026 |
| 22.209 | 0.069 | 22.222 | 0.115 | 22.240 | 0.148 | 22.251 | 0.087 | 25.856 | 0.003 | 25.877 | -0.030 | 25.888 | -0.020 | 25.901 | 0.003 |
| 22.281 | 0.129 | 22.294 | 0.087 | 22.316 | 0.087 | 22.330 | 0.124 | 25.916 | 0.012 | 25.938 | 0.003 | 25.957 | -0.039 | 25.966 | -0.062 |
| 22.355 | 0.124 | 22.360 | 0.124 | 22.370 | 0.054 | 22.403 | 0.049 | 26.042 | -0.081 | 26.065 | -0.044 | 26.073 | 0.006 | 26.092 | -0.012 |
| 22.412 | 0.025 | 22.423 | -0.007 | 22.453 | 0.109 | 22.470 | 0.127 | 26.115 | 0.030 | 26.125 | 0.053 | 26.141 | 0.071 | 26.152 | 0.076 |
| 22.486 | 0.085 | 22.501 | 0.053 | 22.517 | 0.066 | 22.528 | 0.006 | 26.166 | 0.076 | 26.180 | 0.062 | 26.202 | 0.025 | 26.215 | 0.001 |
| 22.547 | 0.001 | 22.557 | 0.024 | 22.571 | 0.089 | 22.578 | 0.136 | 26.231 | -0.013 | 26.250 | 0.020 | 26.269 | 0.061 | 26.287 | 0.028 |
| 22.599 | 0.126 | 22.610 | 0.140 | 22.624 | 0.121 | 22.631 | 0.009 | 26.316 | -0.009 | 26.326 | -0.033 | 26.343 | -0.006 | 26.364 | 0.007 |
| 22.654 | 0.032 | 22.667 | 0.009 | 22.683 | 0.097 | 22.698 | 0.116 | 26.379 | 0.025 | 26.397 | 0.038 | 26.416 | 0.032 | 26.437 | -0.006 |
| 22.716 | 0.120 | 22.726 | 0.046 | 22.742 | 0.003 | 22.750 | -0.062 | 26.456 | -0.039 | 26.474 | -0.062 | 26.496 | -0.095 | 26.517 | -0.063 |
| 22.765 | -0.067 | 22.787 | -0.016 | 22.811 | 0.045 | 22.831 | 0.105 | 26.533 | -0.045 | 26.548 | -0.021 | 26.565 | 0.016 | 26.587 | -0.035 |
| 22.835 | 0.040 | 22.863 | 0.067 | 22.883 | 0.025 | 22.900 | 0.020 | 26.611 | -0.025 | 26.622 | -0.039 | 26.644 | -0.025 | 26.659 | -0.016 |
| 22.906 | -0.013 | 22.930 | 0.019 | 22.943 | 0.019 | 22.962 | 0.070 | 26.684 | -0.035 | 26.703 | -0.082 | 26.718 | -0.105 | 26.729 | -0.091 |
| 23.050 | 0.071 | 23.006 | 0.079 | 23.008 | -0.005 | 23.033 | 0.115 | 26.743 | -0.082 | 26.755 | -0.059 | 26.767 | -0.041 | 26.782 | -0.036 |
| 23.050 | 0.073 | 23.064 | 0.059 | 23.084 | 0.045 | 23.103 | 0.035 | 26.798 | -0.036 | 26.809 | -0.018 | 26.826 | 0.005 | 26.846 | -0.009 |
| 23.111 | 0.017 | 23.136 | 0.058 | 23.151 | 0.067 | 23.175 | 0.071 | 26.864 | -0.037 | 26.879 | -0.051 | 26.892 | -0.033 | 26.905 | -0.014 |
| 23.187 | 0.062 | 23.214 | 0.066 | 23.226 | 0.085 | 23.245 | 0.112 | 26.921 | -0.047 | 26.930 | -0.066 | 26.949 | -0.015 | 26.960 | 0.008 |
| 23.257 | 0.121 | 23.288 | 0.149 | 23.296 | 0.084 | 23.325 | 0.065 | 26.977 | 0.026 | 26.997 | 0.002 | 27.014 | -0.026 | 27.034 | -0.022 |
| 23.341 | 0.074 | 23.363 | 0.074 | 23.376 | 0.073 | 23.394 | 0.096 | 27.077 | -0.018 | 27.077 | 0.005 | 27.093 | 0.032 | 27.109 | 0.069 |
| 23.409 | 0.120 | 23.421 | 0.115 | 23.435 | 0.124 | 23.447 | 0.054 | 27.122 | 0.041 | 27.142 | 0.008 | 27.153 | -0.011 | 27.164 | -0.020 |
| | | | | | | | | 27.185 | 0.021 | 27.198 | 0.040 | 27.220 | 0.068 | 27.246 | 0.054 |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 27.275 | C.031 | 27.301 | 0.021 | 27.315 | 0.054 | 27.334 | 0.073 | 31.079 | -0.055 | 31.100 | -0.083 | 31.117 | -0.102 | 31.134 | -0.097 |
| 27.347 | C.091 | 27.364 | 0.068 | 27.380 | 0.049 | 27.397 | 0.031 | 31.142 | -0.069 | 31.169 | -0.060 | 31.189 | -0.051 | 31.210 | -0.037 |
| 27.407 | C.049 | 27.433 | 0.048 | 27.450 | 0.057 | 27.463 | 0.062 | 31.222 | -0.018 | 31.232 | -0.023 | 31.247 | -0.051 | 31.256 | -0.070 |
| 27.481 | C.047 | 27.502 | 0.033 | 27.514 | 0.0 | 27.537 | -0.015 | 31.273 | -0.060 | 31.284 | -0.036 | 31.301 | -0.033 | 31.312 | -0.056 |
| 27.561 | -0.011 | 27.572 | 0.007 | 27.582 | 0.030 | 27.595 | 0.034 | 31.328 | -0.028 | 31.342 | -0.005 | 31.360 | -0.004 | 31.380 | -0.018 |
| 27.611 | -0.042 | 27.627 | -0.009 | 27.648 | -0.023 | 27.665 | -0.019 | 31.403 | 0.032 | 31.420 | 0.008 | 31.434 | -0.006 | 31.461 | 0.017 |
| 27.680 | -C.010 | 27.701 | -0.019 | 27.717 | -0.033 | 27.740 | -0.038 | 31.483 | 0.027 | 31.504 | 0.050 | 31.522 | 0.068 | 31.539 | 0.036 |
| 27.763 | -C.024 | 27.785 | -0.001 | 27.799 | 0.018 | 27.819 | 0.041 | 31.549 | 0.012 | 31.565 | 0.003 | 31.590 | 0.012 | 31.596 | 0.026 |
| 27.845 | C.022 | 27.859 | -0.006 | 27.873 | -0.025 | 27.893 | -0.039 | 31.624 | 0.030 | 31.643 | 0.049 | 31.665 | 0.058 | 31.691 | 0.053 |
| 27.912 | -C.035 | 27.931 | -0.021 | 27.950 | -0.008 | 27.964 | 0.020 | 31.709 | 0.053 | 31.722 | 0.053 | 31.739 | 0.024 | 31.755 | -0.013 |
| 27.985 | C.020 | 28.005 | 0.020 | 28.026 | 0.034 | 28.047 | 0.033 | 31.772 | -0.004 | 31.779 | 0.010 | 31.804 | 0.023 | 31.821 | 0.027 |
| 28.063 | C.043 | 28.087 | 0.010 | 28.106 | -0.028 | 28.126 | -0.028 | 31.837 | 0.046 | 31.853 | 0.064 | 31.869 | 0.073 | 31.881 | 0.082 |
| 28.139 | -C.023 | 28.155 | -0.028 | 28.173 | -0.024 | 28.188 | -0.010 | 31.898 | 0.063 | 31.913 | 0.049 | 31.933 | 0.030 | 31.950 | 0.025 |
| 28.204 | -C.001 | 28.224 | -0.011 | 28.244 | -0.011 | 28.260 | 0.002 | 31.967 | 0.034 | 31.982 | 0.043 | 32.003 | 0.020 | 32.024 | 0.057 |
| 28.280 | C.044 | 28.301 | 0.039 | 28.320 | 0.010 | 28.338 | 0.042 | 32.046 | 0.066 | 32.063 | 0.084 | 32.079 | 0.066 | 32.092 | 0.075 |
| 28.354 | C.028 | 28.370 | 0.037 | 28.383 | 0.042 | 28.397 | 0.060 | 32.120 | 0.066 | 32.138 | 0.038 | 32.149 | 0.038 | 32.163 | 0.066 |
| 28.412 | C.074 | 28.435 | 0.060 | 28.450 | 0.064 | 28.465 | 0.054 | 32.182 | 0.080 | 32.204 | 0.066 | 32.215 | 0.038 | 32.229 | 0.066 |
| 28.484 | C.040 | 28.501 | 0.059 | 28.511 | 0.082 | 28.531 | 0.096 | 32.251 | 0.033 | 32.270 | 0.019 | 32.285 | 0.014 | 32.305 | 0.024 |
| 28.548 | C.105 | 28.566 | 0.100 | 28.588 | 0.123 | 28.603 | 0.086 | 32.324 | 0.052 | 32.339 | 0.056 | 32.355 | 0.084 | 32.373 | 0.047 |
| 28.630 | C.025 | 28.649 | 0.002 | 28.660 | -0.008 | 28.679 | 0.020 | 32.387 | 0.033 | 32.396 | 0.019 | 32.413 | 0.018 | 32.418 | 0.041 |
| 28.694 | C.043 | 28.715 | 0.070 | 28.737 | 0.079 | 28.749 | 0.092 | 32.443 | 0.041 | 32.457 | 0.050 | 32.474 | 0.054 | 32.484 | 0.050 |
| 28.766 | C.106 | 28.784 | 0.082 | 28.800 | 0.049 | 28.815 | 0.021 | 32.497 | 0.091 | 32.517 | 0.068 | 32.527 | 0.054 | 32.543 | 0.035 |
| 28.829 | -C.012 | 28.846 | -0.021 | 28.866 | -0.022 | 28.879 | -0.017 | 32.554 | 0.020 | 32.574 | 0.052 | 32.600 | 0.065 | 32.616 | 0.078 |
| 28.889 | -C.013 | 28.906 | 0.015 | 28.927 | 0.038 | 28.938 | 0.028 | 32.636 | 0.092 | 32.650 | 0.082 | 32.664 | 0.053 | 32.684 | 0.029 |
| 28.958 | C.019 | 28.979 | 0.014 | 28.994 | 0.023 | 29.006 | 0.024 | 32.701 | 0.010 | 32.715 | 0.001 | 32.739 | -0.023 | 32.759 | 0.018 |
| 29.023 | -C.005 | 29.037 | -0.006 | 29.059 | 0.013 | 29.068 | 0.031 | 32.780 | 0.069 | 32.795 | 0.078 | 32.810 | 0.087 | 32.838 | 0.064 |
| 29.089 | C.012 | 29.109 | 0.007 | 29.130 | 0.011 | 29.151 | -0.003 | 32.851 | 0.045 | 32.871 | 0.022 | 32.888 | -0.006 | 32.899 | -0.024 |
| 29.168 | -C.046 | 29.179 | -0.069 | 29.189 | -0.083 | 29.204 | -0.056 | 32.923 | 0.013 | 32.942 | 0.018 | 32.962 | 0.037 | 32.984 | 0.060 |
| 29.222 | -C.029 | 29.232 | -0.010 | 29.243 | 0.004 | 29.260 | -0.034 | 33.002 | 0.074 | 33.015 | 0.084 | 33.026 | 0.102 | 33.047 | 0.061 |
| 29.279 | -C.083 | 29.295 | -0.061 | 29.313 | -0.095 | 29.328 | -0.049 | 33.066 | 0.019 | 33.078 | 0.001 | 33.095 | -0.018 | 33.113 | -0.022 |
| 29.336 | -C.035 | 29.355 | -0.022 | 29.372 | -0.013 | 29.392 | -0.010 | 33.133 | 0.016 | 33.142 | 0.034 | 33.165 | 0.039 | 33.181 | 0.026 |
| 29.403 | C.001 | 29.421 | -0.013 | 29.440 | -0.023 | 29.458 | -0.014 | 33.194 | 0.026 | 33.208 | 0.042 | 33.226 | 0.064 | 33.245 | 0.008 |
| 29.473 | C.019 | 29.490 | 0.005 | 29.511 | -0.005 | 29.530 | -0.005 | 33.265 | 0.008 | 33.280 | -0.030 | 33.303 | -0.030 | 33.317 | -0.016 |
| 29.553 | C.004 | 29.568 | 0.009 | 29.586 | 0.023 | 29.597 | 0.032 | 33.335 | -0.021 | 33.353 | 0.007 | 33.367 | 0.034 | 33.389 | 0.010 |
| 29.608 | C.041 | 29.623 | 0.022 | 29.645 | -0.006 | 29.658 | -0.020 | 33.409 | -0.018 | 33.419 | -0.032 | 33.444 | -0.028 | 33.460 | -0.028 |
| 29.674 | C.003 | 29.687 | 0.017 | 29.709 | 0.012 | 29.723 | 0.035 | 33.471 | -0.005 | 33.493 | 0.009 | 33.514 | -0.028 | 33.530 | -0.038 |
| 29.734 | C.058 | 29.749 | 0.062 | 29.767 | 0.034 | 29.787 | -0.026 | 33.550 | -0.056 | 33.571 | -0.010 | 33.597 | 0.032 | 33.611 | 0.055 |
| 29.759 | -0.045 | 29.820 | -0.026 | 29.838 | -0.012 | 29.852 | 0.002 | 33.620 | 0.064 | 33.645 | 0.027 | 33.669 | -0.015 | 33.691 | -0.090 |
| 29.866 | -0.044 | 29.882 | 0.071 | 29.896 | 0.095 | 29.913 | 0.099 | 33.713 | -0.104 | 33.725 | -0.067 | 33.753 | -0.021 | 33.778 | 0.029 |
| 29.925 | C.109 | 29.942 | 0.113 | 29.956 | 0.085 | 29.972 | 0.034 | 33.793 | 0.052 | 33.804 | 0.056 | 33.829 | -0.005 | 33.858 | -0.061 |
| 29.988 | C.011 | 29.999 | 0.002 | 30.020 | 0.021 | 30.039 | 0.035 | 33.880 | -0.085 | 33.900 | -0.105 | 33.924 | -0.078 | 33.943 | -0.032 |
| 30.050 | C.054 | 30.063 | 0.068 | 30.077 | 0.077 | 30.094 | 0.063 | 33.954 | -0.014 | 33.976 | 0.0 | 33.985 | 0.009 | 34.007 | 0.036 |
| 30.114 | C.003 | 30.129 | -0.025 | 30.143 | -0.035 | 30.157 | -0.039 | 34.022 | -0.007 | 34.042 | -0.082 | 34.064 | -0.069 | 34.081 | -0.056 |
| 30.166 | -C.035 | 30.178 | -0.016 | 30.189 | 0.002 | 30.211 | -0.017 | 34.099 | 0.067 | 34.107 | -0.062 | 34.117 | -0.021 | 34.128 | -0.003 |
| 30.223 | C.037 | 30.243 | 0.039 | 30.254 | 0.058 | 30.268 | 0.067 | 34.152 | 0.005 | 34.165 | -0.009 | 34.182 | 0.013 | 34.195 | 0.027 |
| 30.283 | C.029 | 30.310 | -0.031 | 30.332 | -0.050 | 30.352 | -0.059 | 34.210 | -0.006 | 34.225 | -0.057 | 34.238 | -0.076 | 34.248 | -0.091 |
| 30.363 | -C.050 | 30.381 | -0.018 | 30.396 | 0.010 | 30.410 | 0.033 | 34.260 | 0.063 | 34.272 | -0.021 | 34.301 | -0.008 | 34.313 | 0.015 |
| 30.425 | C.038 | 30.443 | 0.028 | 30.467 | 0.024 | 30.481 | -0.009 | 34.324 | 0.033 | 34.342 | 0.047 | 34.364 | 0.010 | 34.387 | -0.023 |
| 30.505 | -C.046 | 30.524 | -0.079 | 30.536 | -0.097 | 30.551 | -0.102 | 34.417 | -0.023 | 34.435 | -0.028 | 34.453 | -0.033 | 34.470 | 0.004 |
| 30.573 | -C.069 | 30.589 | -0.046 | 30.603 | -0.027 | 30.624 | -0.018 | 34.500 | 0.008 | 34.513 | 0.018 | 34.530 | 0.022 | 34.542 | 0.026 |
| 30.650 | -C.032 | 30.669 | -0.060 | 30.692 | -0.065 | 30.713 | -0.074 | 34.560 | 0.003 | 34.575 | -0.016 | 34.593 | -0.021 | 34.607 | 0.021 |
| 30.739 | -C.069 | 30.761 | -0.097 | 30.782 | -0.106 | 30.798 | -0.074 | 34.620 | 0.034 | 34.630 | 0.058 | 34.651 | 0.020 | 34.667 | 0.006 |
| 30.817 | -C.041 | 30.827 | -0.018 | 30.848 | -0.013 | 30.862 | -0.023 | 34.690 | 0.033 | 34.709 | 0.005 | 34.720 | 0.0 | 34.735 | 0.018 |
| 30.879 | -C.051 | 30.893 | -0.055 | 30.906 | -0.088 | 30.920 | -0.097 | 34.749 | 0.022 | 34.762 | 0.031 | 34.782 | 0.008 | 34.803 | -0.007 |
| 30.938 | -C.097 | 30.951 | -0.074 | 30.975 | -0.065 | 30.998 | -0.065 | 34.825 | -0.031 | 34.838 | -0.041 | 34.855 | -0.050 | 34.871 | -0.055 |
| 31.017 | -C.055 | 31.035 | -0.041 | 31.054 | -0.027 | 31.065 | -0.027 | 34.889 | -0.070 | 34.905 | -0.089 | 34.924 | -0.094 | 34.942 | -0.072 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 34.953 | -C.044 | 34.971 | 0.030 | 34.982 | 0.048 | 34.994 | 0.076 | 37.981 | 0.052 | 37.993 | 0.070 | 38.011 | 0.088 | 38.026 | 0.051 |
| 35.008 | 0.094 | 35.024 | 0.065 | 35.041 | 0.032 | 35.056 | -0.005 | 38.039 | 0.027 | 38.055 | -0.001 | 38.065 | -0.015 | 38.082 | -0.025 |
| 35.067 | -0.024 | 35.083 | -0.048 | 35.095 | -0.072 | 35.105 | -0.077 | 38.096 | -0.011 | 38.110 | -0.026 | 38.125 | -0.012 | 38.135 | 0.011 |
| 35.119 | -C.054 | 35.127 | -0.035 | 35.141 | -0.017 | 35.150 | -0.003 | 38.153 | 0.024 | 38.163 | 0.010 | 38.180 | -0.009 | 38.190 | -0.033 |
| 35.164 | 0.019 | 35.175 | 0.033 | 35.187 | 0.042 | 35.202 | 0.060 | 38.209 | -0.034 | 38.224 | -0.039 | 38.240 | -0.030 | 38.254 | -0.021 |
| 35.212 | 0.074 | 35.223 | 0.093 | 35.236 | 0.116 | 35.250 | 0.097 | 38.272 | -0.032 | 38.284 | -0.033 | 38.295 | -0.043 | 38.307 | -0.044 |
| 35.270 | C.050 | 35.286 | 0.013 | 35.294 | -0.011 | 35.308 | -0.016 | 38.326 | -0.046 | 38.338 | -0.037 | 38.351 | -0.020 | 38.359 | -0.016 |
| 35.324 | 0.021 | 35.335 | 0.063 | 35.347 | 0.100 | 35.356 | 0.119 | 38.372 | -0.022 | 38.383 | -0.017 | 38.395 | -0.021 | 38.402 | -0.020 |
| 35.370 | C.137 | 35.388 | 0.105 | 35.399 | 0.091 | 35.418 | 0.091 | 38.412 | -0.001 | 38.426 | 0.015 | 38.439 | 0.007 | 38.457 | 0.018 |
| 35.441 | C.086 | 35.456 | 0.076 | 35.470 | 0.058 | 35.479 | 0.048 | 38.472 | 0.014 | 38.486 | 0.018 | 38.497 | 0.013 | 38.507 | -0.001 |
| 35.497 | C.062 | 35.510 | 0.062 | 35.520 | 0.081 | 35.541 | 0.099 | 38.517 | 0.003 | | | | | | |
| 35.560 | 0.112 | 35.572 | 0.135 | 35.582 | 0.140 | 35.604 | 0.111 | | | | | | | | |
| 35.614 | C.097 | 35.632 | 0.091 | 35.646 | 0.059 | 35.661 | 0.044 | | | | | | | | |
| 35.665 | C.039 | 35.687 | 0.034 | 35.703 | 0.048 | 35.714 | 0.066 | | | | | | | | |
| 35.735 | 0.065 | 35.750 | 0.074 | 35.758 | 0.055 | 35.775 | 0.045 | | | | | | | | |
| 35.791 | 0.021 | 35.809 | -0.017 | 35.822 | -0.036 | 35.830 | -0.050 | | | | | | | | |
| 35.841 | -C.027 | 35.855 | -0.005 | 35.867 | 0.037 | 35.876 | 0.064 | | | | | | | | |
| 35.882 | C.078 | 35.901 | 0.036 | 35.919 | -0.007 | 35.932 | -0.039 | | | | | | | | |
| 35.946 | -C.054 | 35.959 | -0.049 | 35.968 | -0.040 | 35.980 | 0.002 | | | | | | | | |
| 35.999 | C.016 | 36.012 | -0.017 | 36.024 | -0.045 | 36.038 | -0.069 | | | | | | | | |
| 36.051 | -C.083 | 36.057 | -0.087 | 36.076 | -0.069 | 36.091 | -0.046 | | | | | | | | |
| 36.104 | -C.037 | 36.113 | -0.023 | 36.128 | -0.041 | 36.139 | -0.069 | | | | | | | | |
| 36.150 | -C.111 | 36.160 | -0.139 | 36.176 | -0.153 | 36.192 | -0.130 | | | | | | | | |
| 36.204 | -C.097 | 36.216 | -0.074 | 36.225 | -0.041 | 36.229 | -0.009 | | | | | | | | |
| 36.242 | -C.004 | 36.253 | 0.014 | 36.266 | -0.014 | 36.279 | -0.037 | | | | | | | | |
| 36.268 | -C.079 | 36.298 | -0.112 | 36.309 | -0.121 | 36.322 | -0.135 | | | | | | | | |
| 36.338 | -C.117 | 36.346 | -0.089 | 36.355 | -0.042 | 36.369 | -0.019 | | | | | | | | |
| 36.388 | -C.024 | 36.409 | -0.020 | 36.419 | -0.015 | 36.427 | -0.030 | | | | | | | | |
| 36.439 | -C.034 | 36.449 | -0.049 | 36.464 | -0.058 | 36.480 | -0.044 | | | | | | | | |
| 36.488 | -C.040 | 36.496 | -0.026 | 36.507 | -0.054 | 36.522 | -0.064 | | | | | | | | |
| 36.541 | -C.050 | 36.559 | -0.027 | 36.569 | -0.001 | 36.577 | 0.015 | | | | | | | | |
| 36.557 | C.010 | 36.612 | 0.019 | 36.626 | 0.010 | 36.646 | 0.0 | | | | | | | | |
| 36.661 | 0.0 | 36.677 | -0.005 | 36.689 | -0.005 | 36.697 | 0.009 | | | | | | | | |
| 36.714 | -C.019 | 36.731 | -0.029 | 36.744 | -0.015 | 36.758 | -0.001 | | | | | | | | |
| 36.768 | 0.027 | 36.782 | 0.045 | 36.797 | 0.073 | 36.806 | 0.082 | | | | | | | | |
| 36.818 | C.081 | 36.831 | 0.067 | 36.844 | 0.029 | 36.862 | 0.006 | | | | | | | | |
| 36.875 | -C.008 | 36.890 | -0.014 | 36.903 | -0.005 | 36.923 | 0.014 | | | | | | | | |
| 36.938 | C.041 | 36.956 | 0.050 | 36.972 | 0.054 | 36.990 | 0.063 | | | | | | | | |
| 36.958 | C.082 | 37.012 | 0.095 | 37.018 | 0.105 | 37.031 | 0.077 | | | | | | | | |
| 37.049 | C.044 | 37.068 | 0.016 | 37.086 | -0.031 | 37.099 | -0.036 | | | | | | | | |
| 37.110 | -C.013 | 37.125 | 0.001 | 37.136 | 0.015 | 37.146 | 0.029 | | | | | | | | |
| 37.164 | 0.028 | 37.172 | 0.028 | 37.181 | 0.042 | 37.192 | 0.061 | | | | | | | | |
| 37.201 | C.070 | 37.216 | 0.047 | 37.237 | 0.033 | 37.259 | 0.024 | | | | | | | | |
| 37.275 | 0.047 | 37.279 | 0.028 | 37.290 | 0.056 | 37.304 | 0.042 | | | | | | | | |
| 37.321 | 0.070 | 37.335 | 0.052 | 37.357 | 0.047 | 37.372 | 0.056 | | | | | | | | |
| 37.382 | C.075 | 37.391 | 0.089 | 37.407 | 0.089 | 37.417 | 0.070 | | | | | | | | |
| 37.432 | C.061 | 37.442 | 0.052 | 37.450 | 0.061 | 37.464 | 0.047 | | | | | | | | |
| 37.474 | C.047 | 37.481 | 0.042 | 37.495 | 0.028 | 37.506 | 0.019 | | | | | | | | |
| 37.524 | 0.047 | 37.530 | 0.052 | 37.545 | 0.056 | 37.559 | 0.042 | | | | | | | | |
| 37.569 | 0.033 | 37.584 | 0.005 | 37.593 | -0.004 | 37.604 | 0.010 | | | | | | | | |
| 37.617 | C.024 | 37.637 | 0.052 | 37.650 | 0.033 | 37.660 | 0.010 | | | | | | | | |
| 37.675 | -C.009 | 37.688 | 0.005 | 37.705 | -0.014 | 37.720 | -0.005 | | | | | | | | |
| 37.733 | 0.018 | 37.741 | 0.037 | 37.757 | 0.074 | 37.776 | 0.060 | | | | | | | | |
| 37.793 | C.041 | 37.804 | 0.027 | 37.816 | 0.027 | 37.837 | 0.008 | | | | | | | | |
| 37.852 | 0.017 | 37.865 | 0.026 | 37.884 | -0.044 | 37.904 | 0.063 | | | | | | | | |
| 37.919 | 0.039 | 37.942 | 0.001 | 37.956 | -0.004 | 37.969 | 0.019 | | | | | | | | |

71-170 2/9/71 06CCPST L.A. 800 W. FIRST ST. 1ST FLOOR N37E

3015 PCINTS 49.351 SECCNDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1776 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | 0.026 | 0.016 | 0.027 | 0.035 | 0.028 | 0.043 | 0.022 | 3.399 | 0.059 | 3.426 | 0.127 | 3.459 | 0.012 | 3.478 | 0.019 | 3.478 | 0.019 |
| 0.060 | 0.030 | 0.079 | 0.031 | 0.093 | 0.026 | 0.114 | 0.014 | 3.510 | -0.041 | 3.555 | 0.101 | 3.568 | 0.013 | 3.584 | 0.034 | 3.584 | 0.034 |
| 0.131 | 0.016 | 0.148 | 0.011 | 0.159 | 0.006 | 0.175 | 0.021 | 3.611 | 0.195 | 3.634 | 0.014 | 3.652 | -0.026 | 3.676 | 0.072 | 3.676 | 0.072 |
| 0.193 | 0.037 | 0.210 | 0.046 | 0.224 | 0.034 | 0.237 | 0.015 | 3.708 | 0.196 | 3.737 | 0.022 | 3.764 | 0.015 | 3.794 | -0.074 | 3.794 | -0.074 |
| 0.255 | 0.024 | 0.279 | 0.040 | 0.291 | 0.021 | 0.309 | -0.017 | 3.825 | 0.003 | 3.851 | 0.198 | 3.874 | 0.064 | 3.885 | 0.078 | 3.885 | 0.078 |
| 0.328 | 0.045 | 0.348 | 0.054 | 0.360 | 0.048 | 0.371 | 0.029 | 3.908 | 0.186 | 3.931 | 0.038 | 3.951 | 0.005 | 3.970 | -0.103 | 3.970 | -0.103 |
| 0.385 | 0.057 | 0.402 | 0.059 | 0.416 | 0.061 | 0.434 | 0.029 | 3.991 | -0.163 | 4.015 | 0.053 | 4.030 | 0.201 | 4.065 | 0.060 | 4.065 | 0.060 |
| 0.457 | 0.051 | 0.470 | 0.039 | 0.480 | 0.020 | 0.500 | 0.035 | 4.083 | 0.053 | 4.104 | 0.016 | 4.123 | 0.006 | 4.135 | 0.040 | 4.135 | 0.040 |
| 0.521 | 0.037 | 0.539 | 0.065 | 0.556 | 0.033 | 0.577 | 0.088 | 4.170 | -0.075 | 4.200 | 0.033 | 4.225 | -0.041 | 4.258 | 0.099 | 4.258 | 0.099 |
| 0.595 | 0.049 | 0.618 | 0.085 | 0.636 | 0.073 | 0.655 | 0.053 | 4.286 | 0.100 | 4.326 | 0.033 | 4.355 | -0.101 | 4.376 | -0.095 | 4.376 | -0.095 |
| 0.674 | 0.034 | 0.697 | 0.061 | 0.722 | -0.039 | 0.737 | 0.002 | 4.408 | 0.195 | 4.435 | 0.040 | 4.459 | 0.188 | 4.483 | 0.121 | 4.483 | 0.121 |
| 0.760 | 0.050 | 0.779 | 0.131 | 0.800 | 0.065 | 0.823 | 0.052 | 4.501 | 0.100 | 4.535 | -0.189 | 4.572 | 0.013 | 4.603 | 0.033 | 4.603 | 0.033 |
| 0.848 | 0.105 | 0.867 | 0.011 | 0.878 | -0.036 | 0.903 | 0.004 | 4.620 | 0.026 | 4.638 | 0.054 | 4.677 | 0.053 | 4.708 | 0.222 | 4.708 | 0.222 |
| 0.923 | 0.057 | 0.943 | 0.044 | 0.956 | 0.044 | 0.976 | 0.004 | 4.747 | 0.026 | 4.778 | -0.142 | 4.799 | -0.101 | 4.816 | -0.107 | 4.816 | -0.107 |
| 0.994 | 0.043 | 1.015 | 0.097 | 1.029 | 0.118 | 1.049 | 0.010 | 4.850 | 0.323 | 4.877 | 0.155 | 4.895 | 0.128 | 4.916 | 0.107 | 4.916 | 0.107 |
| 1.062 | -0.050 | 1.080 | -0.009 | 1.097 | 0.005 | 1.117 | 0.086 | 4.929 | -0.161 | 4.963 | 0.035 | 4.986 | 0.028 | 5.023 | 0.197 | 5.023 | 0.197 |
| 1.134 | 0.039 | 1.164 | 0.080 | 1.198 | 0.115 | 1.222 | 0.048 | 5.045 | 0.177 | 5.064 | 0.164 | 5.088 | 0.178 | 5.121 | 0.058 | 5.121 | 0.058 |
| 1.245 | 0.049 | 1.261 | -0.004 | 1.287 | 0.065 | 1.306 | 0.046 | 5.163 | 0.105 | 5.185 | 0.143 | 5.201 | -0.197 | 5.228 | 0.039 | 5.228 | 0.039 |
| 1.329 | 0.046 | 1.352 | 0.102 | 1.383 | 0.110 | 1.411 | -0.043 | 5.249 | -0.033 | 5.286 | 0.308 | 5.310 | -0.035 | 5.330 | -0.142 | 5.330 | -0.142 |
| 1.434 | 0.019 | 1.456 | 0.054 | 1.489 | 0.123 | 1.508 | -0.011 | 5.349 | 0.033 | 5.357 | 0.107 | 5.379 | -0.128 | 5.389 | -0.175 | 5.389 | -0.175 |
| 1.522 | -0.037 | 1.546 | 0.011 | 1.569 | 0.133 | 1.594 | 0.093 | 5.424 | 0.060 | 5.447 | 0.007 | 5.473 | 0.115 | 5.496 | 0.108 | 5.496 | 0.108 |
| 1.621 | 0.109 | 1.648 | 0.022 | 1.666 | 0.050 | 1.689 | 0.037 | 5.524 | 0.290 | 5.548 | 0.034 | 5.569 | -0.167 | 5.587 | 0.055 | 5.587 | 0.055 |
| 1.722 | 0.064 | 1.750 | 0.159 | 1.773 | -0.002 | 1.800 | 0.012 | 5.609 | 0.277 | 5.627 | 0.109 | 5.645 | 0.008 | 5.671 | 0.238 | 5.671 | 0.238 |
| 1.831 | 0.113 | 1.866 | 0.060 | 1.890 | 0.080 | 1.914 | 0.047 | 5.701 | -0.112 | 5.714 | -0.246 | 5.734 | -0.125 | 5.754 | 0.178 | 5.754 | 0.178 |
| 1.929 | -0.007 | 1.946 | 0.034 | 1.970 | -0.054 | 1.996 | 0.075 | 5.764 | 0.246 | 5.775 | 0.172 | 5.799 | -0.110 | 5.828 | 0.072 | 5.828 | 0.072 |
| 2.019 | 0.155 | 2.046 | -0.033 | 2.077 | 0.055 | 2.098 | 0.056 | 5.856 | -0.049 | 5.882 | 0.120 | 5.907 | -0.021 | 5.935 | -0.337 | 5.935 | -0.337 |
| 2.124 | 0.137 | 2.154 | -0.044 | 2.174 | -0.043 | 2.202 | 0.105 | 5.956 | -0.235 | 5.976 | -0.080 | 5.999 | 0.156 | 6.028 | 0.130 | 6.028 | 0.130 |
| 2.223 | 0.059 | 2.248 | 0.073 | 2.274 | 0.067 | 2.300 | 0.041 | 6.040 | 0.190 | 6.065 | 0.400 | 6.086 | 0.151 | 6.106 | -0.043 | 6.106 | -0.043 |
| 2.318 | -0.012 | 2.338 | 0.022 | 2.355 | -0.024 | 2.382 | 0.058 | 6.134 | 0.065 | 6.164 | -0.156 | 6.186 | 0.127 | 6.196 | 0.295 | 6.196 | 0.295 |
| 2.405 | 0.052 | 2.431 | 0.201 | 2.449 | 0.108 | 2.468 | -0.067 | 6.221 | -0.040 | 6.231 | -0.113 | 6.250 | -0.058 | 6.264 | -0.058 | 6.264 | -0.058 |
| 2.488 | 0.065 | 2.505 | 0.217 | 2.525 | 0.076 | 2.542 | -0.004 | 6.287 | 0.071 | 6.324 | 0.169 | 6.353 | 0.047 | 6.379 | 0.190 | 6.379 | 0.190 |
| 2.568 | 0.104 | 2.585 | 0.017 | 2.598 | 0.023 | 2.617 | 0.052 | 6.414 | -0.050 | 6.428 | -0.022 | 6.447 | -0.303 | 6.462 | -0.436 | 6.462 | -0.436 |
| 2.648 | -0.015 | 2.680 | 0.094 | 2.711 | -0.021 | 2.735 | 0.086 | 6.485 | -0.421 | 6.501 | -0.433 | 6.525 | 0.073 | 6.544 | 0.431 | 6.544 | 0.431 |
| 2.747 | 0.086 | 2.764 | 0.052 | 2.788 | 0.112 | 2.812 | -0.003 | 6.574 | 0.124 | 6.588 | 0.092 | 6.607 | 0.006 | 6.628 | -0.006 | 6.628 | -0.006 |
| 2.831 | -0.077 | 2.854 | 0.071 | 2.865 | 0.158 | 2.882 | 0.016 | 6.650 | -0.125 | 6.677 | -0.109 | 6.698 | -0.148 | 6.719 | 0.090 | 6.719 | 0.090 |
| 2.903 | -0.065 | 2.918 | 0.090 | 2.934 | 0.204 | 2.957 | 0.076 | 6.731 | 0.036 | 6.775 | 0.214 | 6.779 | 0.566 | 6.803 | 0.710 | 6.803 | 0.710 |
| 2.977 | 0.090 | 2.996 | 0.015 | 3.020 | -0.059 | 3.061 | 0.062 | 6.826 | 0.432 | 6.838 | 0.357 | 6.877 | 0.535 | 6.912 | 0.464 | 6.912 | 0.464 |
| 3.084 | 0.122 | 3.058 | 0.149 | 3.121 | 0.183 | 3.147 | 0.110 | 6.938 | 0.412 | 6.959 | 0.306 | 6.979 | 0.254 | 7.010 | 0.082 | 7.010 | 0.082 |
| 3.175 | 0.043 | 3.206 | 0.097 | 3.230 | 0.017 | 3.261 | -0.205 | 7.025 | -0.143 | 7.047 | 0.024 | 7.067 | -0.035 | 7.085 | -0.276 | 7.085 | -0.276 |
| 3.253 | -0.002 | 3.317 | -0.009 | 3.343 | 0.106 | 3.374 | 0.019 | 7.103 | -0.523 | 7.138 | -0.205 | 7.163 | -0.243 | 7.187 | -0.107 | 7.187 | -0.107 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| 7.227 | -0.379 | 7.249 | -0.169 | 7.277 | -0.012 | 7.296 | -0.031 | 12.707 | -0.127 | 12.735 | 0.083 | 12.755 | 0.137 | 12.779 | 0.158 |
| 7.325 | 0.233 | 7.344 | -0.068 | 7.358 | -0.255 | 7.374 | -0.274 | 12.793 | 0.159 | *12.794 | 0.159 | 12.809 | 0.186 | 12.821 | 0.227 |
| 7.358 | -0.661 | 7.415 | -0.369 | 7.448 | -0.032 | 7.482 | -0.131 | 12.831 | 0.174 | 12.840 | 0.093 | 12.855 | -0.142 | 12.869 | -0.323 |
| 7.500 | -0.439 | 7.514 | -0.559 | 7.537 | -0.032 | 7.557 | -0.131 | 12.885 | -0.423 | 12.899 | -0.463 | 12.919 | -0.429 | 12.936 | -0.308 |
| 7.578 | 0.268 | 7.606 | 0.398 | 7.637 | 0.441 | 7.670 | 0.713 | 12.946 | -0.227 | 12.957 | -0.186 | 12.967 | -0.226 | 12.979 | -0.280 |
| 7.693 | 0.445 | 7.705 | 0.318 | 7.718 | 0.286 | 7.745 | 0.133 | 12.987 | -0.300 | 13.001 | -0.252 | 13.019 | -0.077 | 13.035 | 0.213 |
| 7.762 | 0.269 | 7.786 | 0.594 | 7.810 | 0.306 | 7.837 | -0.136 | 13.045 | 0.368 | 13.058 | 0.463 | 13.067 | 0.416 | 13.082 | 0.315 |
| 7.873 | 0.230 | 7.898 | -0.105 | 7.914 | -0.245 | 7.939 | 0.039 | 13.092 | 0.248 | 13.101 | 0.208 | 13.119 | 0.269 | 13.130 | 0.330 |
| 7.965 | 0.054 | 7.994 | -0.113 | 8.017 | -0.205 | 8.037 | 0.206 | 13.147 | 0.411 | 13.160 | 0.479 | 13.175 | 0.533 | 13.191 | 0.527 |
| 8.057 | 0.604 | 8.077 | 0.357 | 8.087 | -0.040 | 8.103 | -0.341 | 13.214 | 0.521 | 13.227 | 0.508 | 13.246 | 0.508 | 13.257 | 0.429 |
| 8.127 | 0.333 | 8.143 | 0.569 | 8.166 | 0.221 | 8.180 | -0.007 | 13.273 | 0.206 | 13.282 | 0.185 | 13.296 | 0.012 | 13.311 | 0.046 |
| 8.194 | -0.073 | 8.217 | 0.130 | 8.227 | 0.178 | 8.250 | -0.023 | 13.325 | -0.080 | 13.344 | 0.074 | 13.358 | 0.007 | 13.380 | -0.181 |
| 8.267 | -0.150 | 8.286 | -0.222 | 8.319 | -0.644 | 8.331 | -0.751 | 13.389 | -0.275 | 13.396 | -0.322 | 13.411 | -0.268 | 13.430 | -0.173 |
| 8.352 | -0.521 | 8.381 | 0.072 | 8.392 | 0.154 | 8.420 | -0.147 | 13.440 | -0.132 | 13.450 | -0.098 | 13.461 | -0.131 | 13.471 | -0.158 |
| 8.439 | -0.281 | 8.468 | 0.192 | 8.485 | 0.516 | 8.515 | 0.154 | 13.461 | -0.103 | 13.491 | 0.025 | 13.506 | 0.227 | 13.520 | 0.308 |
| 8.527 | -0.027 | 8.556 | -0.187 | 8.572 | -0.233 | 8.586 | -0.165 | 13.535 | 0.349 | 13.546 | 0.326 | 13.565 | 0.256 | 13.575 | 0.203 |
| 8.608 | 0.186 | 8.629 | 0.557 | 8.655 | 0.100 | 8.692 | -0.416 | 13.590 | 0.163 | 13.606 | 0.224 | 13.621 | 0.312 | 13.633 | 0.367 |
| 8.716 | -0.589 | 8.759 | -0.432 | 8.779 | -0.700 | 8.792 | -0.814 | 13.647 | 0.401 | 13.659 | 0.347 | 13.674 | 0.233 | 13.683 | 0.119 |
| 8.819 | -0.436 | 8.838 | -0.347 | 8.864 | -0.070 | 8.885 | -0.116 | 13.709 | 0.046 | 13.724 | -0.015 | 13.738 | -0.082 | 13.752 | -0.115 |
| 8.906 | -0.061 | 8.923 | -0.114 | 8.953 | 0.150 | 8.980 | 0.077 | 13.760 | -0.061 | 13.770 | 0.033 | 13.779 | 0.188 | 13.789 | 0.282 |
| 9.004 | 0.475 | 9.017 | 0.617 | 9.041 | 0.484 | 9.061 | 0.552 | 13.800 | 0.336 | 13.808 | 0.269 | 13.820 | 0.087 | 13.829 | -0.101 |
| 9.086 | 0.587 | 9.115 | 0.783 | 9.135 | 0.542 | 9.160 | 0.065 | 13.841 | -0.296 | 13.846 | -0.363 | 13.857 | -0.403 | 13.872 | -0.390 |
| 9.178 | -0.123 | 9.211 | 0.389 | 9.239 | 0.558 | 9.263 | 0.417 | 13.887 | -0.343 | 13.902 | -0.275 | 13.919 | -0.241 | 13.934 | -0.255 |
| 9.298 | -0.060 | 9.315 | -0.147 | 9.345 | 0.439 | 9.362 | 0.736 | 13.952 | -0.268 | 13.968 | -0.214 | 13.979 | -0.106 | 13.990 | 0.130 |
| 9.393 | 0.723 | 9.417 | 0.643 | 9.450 | 0.792 | 9.483 | 0.826 | 14.000 | 0.319 | 14.012 | 0.487 | 14.017 | 0.534 | 14.026 | 0.575 |
| 9.507 | 0.645 | 9.527 | 0.081 | 9.545 | -0.491 | 9.557 | -0.612 | 14.036 | 0.548 | 14.048 | 0.481 | 14.060 | 0.427 | 14.070 | 0.441 |
| 9.590 | -0.483 | 9.613 | -0.328 | 9.647 | -0.576 | 9.662 | -0.663 | 14.085 | 0.428 | 14.095 | 0.361 | 14.106 | 0.206 | 14.120 | 0.045 |
| 9.694 | -0.568 | 9.709 | -0.406 | 9.730 | 0.234 | 9.747 | 0.490 | 14.132 | -0.089 | 14.151 | -0.163 | 14.165 | -0.176 | 14.175 | -0.142 |
| 9.713 | 0.120 | 9.810 | -0.471 | 9.825 | -0.531 | 9.861 | -0.079 | 14.190 | -0.135 | 14.202 | -0.189 | 14.215 | -0.256 | 14.231 | -0.303 |
| 9.876 | -0.113 | 9.901 | 0.002 | 9.933 | -0.670 | 9.954 | -0.917 | 14.244 | -0.269 | 14.260 | -0.174 | 14.274 | 0.001 | 14.286 | 0.169 |
| 10.000 | -0.350 | 10.023 | 0.075 | 10.046 | 0.500 | 10.075 | 0.017 | 14.294 | 0.169 | 14.306 | -0.203 | 14.315 | 0.156 | 14.328 | 0.029 |
| 10.094 | -0.238 | 10.139 | 0.518 | 10.178 | 0.931 | 10.202 | 0.414 | 14.339 | -0.112 | 14.355 | -0.200 | 14.373 | -0.179 | 14.390 | -0.152 |
| 10.218 | -0.090 | 10.233 | -0.257 | 10.260 | -0.033 | 10.289 | -0.448 | 14.409 | -0.151 | 14.422 | -0.151 | 14.433 | -0.097 | 14.446 | -0.030 |
| 10.308 | -0.481 | 10.341 | 0.133 | 10.377 | 0.431 | 10.410 | 0.191 | 14.457 | 0.078 | 14.467 | 0.159 | 14.479 | 0.213 | 14.492 | 0.166 |
| 10.427 | -0.165 | 10.440 | -0.433 | 10.468 | -0.667 | 10.507 | -0.833 | 14.505 | 0.032 | 14.523 | -0.149 | 14.537 | -0.250 | 14.552 | -0.283 |
| 10.534 | -0.657 | 10.556 | -0.225 | 10.584 | 0.301 | 10.619 | 0.027 | 14.563 | -0.249 | 14.575 | -0.162 | 14.583 | -0.094 | 14.597 | -0.040 |
| 10.641 | 0.062 | 10.668 | -0.152 | 10.702 | -0.494 | 10.727 | -0.701 | 14.609 | -0.080 | 14.626 | -0.215 | 14.636 | -0.268 | 14.648 | -0.302 |
| 10.746 | -0.405 | 10.764 | 0.242 | 10.782 | 0.553 | 10.814 | 0.487 | 14.665 | -0.268 | 14.677 | -0.207 | 14.695 | -0.173 | 14.711 | -0.172 |
| 10.836 | 0.690 | 10.864 | 0.866 | 10.891 | 0.935 | 10.923 | 0.802 | 14.732 | -0.179 | 14.748 | -0.145 | 14.772 | -0.077 | 14.786 | -0.083 |
| 10.959 | 0.811 | 10.994 | 0.611 | 11.023 | 0.478 | 11.048 | 0.567 | 14.807 | -0.103 | 14.825 | -0.103 | 14.840 | -0.123 | 14.861 | -0.123 |
| 11.078 | 0.178 | 11.103 | -0.157 | 11.127 | -0.425 | 11.158 | -0.020 | 14.875 | -0.156 | 14.893 | -0.223 | 14.908 | -0.277 | 14.924 | -0.330 |
| 11.177 | 0.210 | 11.208 | -0.004 | 11.246 | -0.044 | 11.272 | 0.280 | 14.938 | -0.465 | 14.951 | -0.552 | 14.965 | -0.532 | 14.980 | -0.484 |
| 11.286 | 0.435 | 11.314 | 0.112 | 11.341 | -0.136 | 11.356 | -0.264 | 15.003 | -0.437 | 15.025 | -0.376 | 15.043 | -0.329 | 15.056 | -0.245 |
| 11.372 | -0.331 | 11.388 | -0.519 | 11.393 | -0.519 | 11.409 | -0.653 | 15.068 | -0.201 | 15.084 | -0.167 | 15.104 | -0.207 | 15.115 | -0.214 |
| 11.436 | -0.556 | 11.462 | -0.599 | 11.477 | -0.223 | 11.502 | 0.134 | 15.129 | -0.104 | 15.144 | -0.125 | 15.166 | -0.091 | 15.181 | -0.057 |
| 11.520 | 0.215 | 11.560 | -0.014 | 11.590 | 0.174 | 11.605 | 0.188 | 15.158 | -0.104 | 15.212 | -0.043 | 15.226 | 0.078 | 15.234 | 0.159 |
| 11.631 | -0.102 | 11.653 | -0.432 | 11.666 | -0.472 | 11.711 | 0.005 | 15.245 | 0.200 | 15.257 | 0.160 | 15.270 | 0.072 | 15.282 | -0.001 |
| 11.736 | 0.247 | 11.773 | 0.153 | 11.756 | 0.180 | 11.843 | -0.171 | 15.286 | -0.069 | 15.311 | -0.055 | 15.329 | -0.075 | 15.337 | -0.161 |
| 11.877 | 0.374 | 11.896 | 0.589 | 11.927 | 0.374 | 11.942 | 0.340 | 15.350 | -0.054 | 15.364 | -0.088 | 15.377 | -0.148 | 15.392 | -0.175 |
| 11.974 | 0.387 | 12.001 | 0.205 | 12.026 | -0.414 | 12.044 | -0.710 | 15.408 | -0.147 | 15.422 | -0.093 | 15.432 | -0.080 | 15.438 | -0.046 |
| 12.063 | -0.811 | 12.081 | -0.616 | 12.104 | -0.205 | 12.137 | 0.064 | 15.446 | -0.066 | 15.461 | -0.120 | 15.477 | -0.173 | 15.489 | -0.046 |
| 12.179 | -0.205 | 12.221 | -0.043 | 12.261 | -0.173 | 12.303 | 0.631 | 15.500 | -0.105 | 15.516 | -0.045 | 15.530 | -0.024 | 15.543 | -0.004 |
| 12.335 | 0.114 | 12.352 | -0.081 | 12.373 | 0.148 | 12.411 | 0.788 | 15.558 | 0.010 | 15.567 | 0.024 | 15.583 | -0.002 | 15.592 | -0.063 |
| 12.453 | 0.432 | 12.453 | 0.116 | 12.464 | 0.022 | 12.489 | 0.002 | 15.606 | -0.237 | 15.616 | -0.344 | 15.630 | -0.418 | 15.641 | -0.397 |
| 12.503 | 0.002 | 12.527 | 0.245 | 12.545 | 0.387 | 12.583 | 0.226 | 15.655 | -0.363 | 15.662 | -0.322 | 15.673 | -0.288 | 15.689 | -0.315 |
| 12.611 | 0.301 | 12.630 | 0.113 | 12.651 | -0.048 | 12.675 | -0.027 | 15.700 | -0.287 | 15.714 | -0.347 | 15.723 | -0.381 | 15.741 | -0.414 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 15.756 | -0.400 | 15.769 | -0.326 | 15.781 | -0.258 | 15.796 | -0.117 | 18.738 | 0.107 | 18.757 | 0.127 | 18.771 | C.107 | 18.787 | C.053 |
| 15.808 | 0.038 | 15.817 | 0.153 | 15.826 | 0.254 | 15.837 | 0.315 | 18.805 | -C.001 | 18.820 | -0.014 | 18.832 | -0.027 | 18.848 | -0.034 |
| 15.847 | C.288 | 15.858 | 0.228 | 15.869 | 0.174 | 15.878 | 0.127 | 18.860 | -C.189 | 18.873 | -C.149 | 18.887 | -C.122 | 18.898 | -C.229 |
| 15.890 | 0.094 | 15.902 | 0.107 | 15.911 | 0.128 | 15.928 | 0.175 | 18.910 | -0.115 | 18.922 | -C.149 | 18.935 | -C.122 | 18.949 | -0.108 |
| 15.940 | 0.168 | 15.952 | 0.148 | 15.969 | 0.176 | 15.978 | C.149 | 18.963 | -0.122 | 18.973 | -0.135 | 18.986 | -C.155 | 18.998 | -0.128 |
| 15.993 | 0.068 | 16.007 | 0.028 | 16.019 | 0.055 | 16.033 | C.129 | 19.011 | -0.068 | 19.026 | -0.020 | 19.046 | C.040 | 19.059 | 0.068 |
| 16.050 | 0.271 | 16.061 | 0.312 | 16.075 | 0.292 | 16.091 | 0.218 | 19.076 | 0.101 | 19.088 | C.135 | 19.095 | C.156 | 19.111 | C.109 |
| 16.108 | 0.137 | 16.126 | 0.084 | 16.148 | 0.037 | 16.169 | 0.018 | 19.121 | 0.048 | 19.132 | -0.025 | 19.146 | -0.066 | 19.159 | -C.039 |
| 16.180 | 0.072 | 16.196 | 0.187 | 16.210 | 0.289 | 16.223 | 0.356 | 19.171 | C.005 | 19.186 | C.070 | 19.206 | C.117 | 19.219 | 0.111 |
| 16.250 | 0.391 | 16.271 | 0.419 | 16.286 | 0.440 | 16.299 | 0.454 | 19.239 | 0.098 | 19.249 | 0.132 | 19.264 | C.233 | 19.278 | C.274 |
| 16.314 | 0.414 | 16.333 | 0.347 | 16.351 | 0.308 | 16.365 | 0.315 | 19.292 | 0.254 | 19.307 | 0.214 | 19.323 | 0.181 | 19.342 | 0.155 |
| 16.381 | C.329 | 16.394 | 0.290 | 16.407 | 0.243 | 16.423 | 0.163 | 19.358 | 0.142 | 19.376 | C.149 | 19.393 | C.177 | 19.410 | 0.204 |
| 16.431 | 0.130 | 16.443 | 0.090 | 16.455 | 0.118 | 16.470 | C.186 | 19.423 | 0.164 | 19.431 | 0.124 | 19.445 | C.084 | 19.459 | C.118 |
| 16.486 | 0.281 | 16.501 | 0.329 | 16.513 | 0.302 | 16.527 | 0.202 | 19.473 | C.172 | 19.484 | 0.213 | 19.512 | C.186 | 19.534 | 0.126 |
| 16.542 | 0.082 | 16.551 | 0.028 | 16.572 | -0.031 | 16.582 | -0.017 | 19.553 | 0.106 | 19.571 | 0.079 | 19.590 | C.033 | 19.608 | -0.014 |
| 16.561 | 0.498 | 16.575 | 0.458 | 16.596 | 0.405 | 16.609 | 0.439 | 19.622 | -0.075 | 19.633 | -0.142 | 19.648 | -C.188 | 19.666 | -0.168 |
| 16.724 | 0.487 | 16.735 | 0.535 | 16.749 | 0.596 | 16.766 | 0.624 | 19.685 | -C.127 | 19.703 | -0.107 | 19.720 | -C.106 | 19.734 | -0.106 |
| 16.784 | 0.591 | 16.796 | 0.450 | 16.809 | 0.330 | 16.831 | 0.237 | 19.751 | -0.112 | 19.764 | -0.119 | 19.786 | -C.132 | 19.802 | -C.098 |
| 16.850 | 0.251 | 16.868 | 0.252 | 16.885 | 0.260 | 16.903 | 0.254 | 19.822 | -0.051 | 19.835 | -0.050 | 19.858 | -0.043 | 19.881 | -C.008 |
| 16.918 | 0.248 | 16.934 | 0.242 | 16.949 | C.209 | 16.962 | C.149 | 19.900 | -C.014 | 19.913 | -C.047 | 19.926 | -C.073 | 19.944 | -C.025 |
| 16.950 | 0.057 | 17.005 | 0.111 | 17.021 | 0.159 | 17.039 | C.227 | 19.959 | 0.030 | 19.979 | C.105 | 19.993 | C.159 | 20.013 | C.214 |
| 17.057 | 0.255 | 17.073 | 0.262 | 17.090 | 0.263 | 17.101 | 0.223 | 20.033 | C.236 | 20.047 | 0.209 | 20.065 | C.163 | 20.081 | C.104 |
| 17.113 | 0.136 | 17.120 | 0.090 | 17.129 | 0.050 | 17.142 | 0.064 | 20.099 | 0.044 | 20.114 | C.052 | 20.129 | C.059 | 20.144 | C.067 |
| 17.154 | 0.125 | 17.170 | 0.166 | 17.183 | 0.139 | 17.192 | 0.093 | 20.160 | 0.021 | 20.176 | -C.039 | 20.192 | -C.078 | 20.207 | -C.091 |
| 17.201 | C.059 | 17.212 | -0.041 | 17.222 | -0.014 | 17.235 | -0.135 | 20.223 | -0.090 | 20.242 | -0.102 | 20.267 | -C.100 | 20.280 | -0.052 |
| 17.243 | -0.054 | 17.256 | -0.060 | 17.268 | C.048 | 17.280 | C.002 | 20.293 | C.005 | 20.305 | C.050 | 20.312 | C.111 | 20.328 | C.155 |
| 17.294 | 0.002 | 17.306 | 0.003 | 17.325 | 0.004 | 17.337 | -0.090 | 20.340 | C.167 | 20.346 | C.160 | 20.362 | C.121 | 20.373 | C.155 |
| 17.348 | -0.157 | 17.358 | -0.291 | 17.376 | -0.344 | 17.387 | -0.330 | 20.385 | C.156 | 20.396 | C.123 | 20.404 | C.097 | 20.418 | 0.097 |
| 17.406 | -0.282 | 17.423 | -0.181 | 17.435 | -0.120 | 17.446 | -0.079 | 20.435 | -C.092 | 20.447 | C.038 | 20.459 | -C.048 | 20.472 | -C.095 |
| 17.458 | -0.112 | 17.473 | -0.179 | 17.481 | -0.212 | 17.491 | -0.245 | 20.463 | -C.128 | 20.485 | -C.134 | 20.512 | -C.133 | 20.525 | -C.132 |
| 17.504 | -0.211 | 17.514 | -0.150 | 17.536 | -0.082 | 17.550 | -0.102 | 20.538 | -0.111 | 20.551 | -C.077 | 20.561 | -0.036 | 20.576 | -C.021 |
| 17.567 | -0.149 | 17.578 | -0.168 | 17.592 | -0.148 | 17.607 | -0.087 | 20.593 | -C.041 | 20.607 | -C.067 | 20.620 | -C.093 | 20.632 | -C.092 |
| 17.624 | -0.039 | 17.635 | -0.052 | 17.648 | -0.079 | 17.662 | -0.125 | 20.646 | -0.091 | 20.675 | -0.143 | 20.692 | -0.109 | 20.706 | -C.074 |
| 17.676 | -0.172 | 17.693 | -0.213 | 17.711 | -0.178 | 17.726 | -0.171 | 20.723 | -0.033 | 20.736 | -C.001 | 20.746 | -C.015 | 20.758 | -C.024 |
| 17.739 | -0.170 | 17.753 | -0.170 | 17.763 | -0.150 | 17.777 | -C.069 | 20.770 | -C.077 | 20.783 | -C.144 | 20.795 | -C.190 | 20.807 | -C.223 |
| 17.789 | C.019 | 17.803 | 0.140 | 17.814 | 0.221 | 17.821 | 0.254 | 20.817 | -C.202 | 20.831 | -C.134 | 20.840 | -C.060 | 20.848 | -C.019 |
| 17.833 | 0.255 | 17.841 | 0.275 | 17.852 | 0.228 | 17.863 | 0.167 | 20.861 | C.022 | 20.877 | C.023 | 20.893 | -C.024 | 20.903 | -C.057 |
| 17.915 | 0.127 | 17.922 | 0.161 | 17.935 | 0.195 | 17.943 | 0.168 | 20.918 | -0.103 | 20.934 | -0.055 | 20.953 | C.013 | 20.965 | C.054 |
| 17.955 | 0.107 | 17.969 | 0.067 | 17.977 | -0.034 | 17.990 | -0.074 | 21.046 | -0.096 | 21.060 | -C.123 | 21.074 | -C.102 | 21.089 | -C.088 |
| 18.005 | -0.047 | 18.021 | 0.007 | 18.032 | 0.054 | 18.047 | -0.075 | 21.101 | -0.067 | 21.114 | -C.060 | 21.126 | -0.059 | 21.140 | -C.052 |
| 18.061 | 0.048 | 18.075 | -0.006 | 18.087 | -C.039 | 18.101 | -0.093 | 21.160 | -0.051 | 21.172 | -C.010 | 21.185 | 0.051 | 21.192 | 0.085 |
| 18.113 | -0.113 | 18.124 | -0.139 | 18.139 | -0.166 | 18.166 | -0.199 | 21.207 | C.113 | 21.225 | C.100 | 21.241 | C.067 | 21.257 | C.014 |
| 18.155 | -0.152 | 18.170 | -0.192 | 18.178 | -0.198 | 18.190 | -0.218 | 21.278 | C.002 | 21.304 | -0.064 | 21.322 | C.038 | 21.350 | C.113 |
| 18.202 | -0.190 | 18.209 | -0.177 | 18.219 | -0.170 | 18.228 | -0.183 | 21.369 | C.114 | 21.392 | C.129 | 21.408 | C.170 | 21.421 | C.225 |
| 18.239 | -C.209 | 18.249 | -0.236 | 18.262 | -0.242 | 18.276 | -C.228 | 21.432 | 0.286 | 21.450 | 0.341 | 21.463 | 0.335 | 21.480 | C.256 |
| 18.286 | -0.154 | 18.294 | -0.173 | 18.308 | -0.153 | 18.321 | -0.192 | 21.495 | C.351 | 21.508 | 0.426 | 21.524 | 0.447 | 21.536 | C.434 |
| 18.374 | -0.246 | 18.380 | -0.306 | 18.351 | -0.346 | 18.366 | -0.358 | 21.553 | C.362 | 21.573 | C.296 | 21.592 | C.243 | 21.610 | C.204 |
| 18.379 | -0.344 | 18.390 | -0.310 | 18.405 | -0.276 | 18.416 | -0.248 | 21.632 | C.138 | 21.650 | C.044 | 21.669 | -0.055 | 21.678 | -C.102 |
| 18.427 | -0.214 | 18.443 | -0.186 | 18.458 | -C.219 | 18.472 | -0.280 | 21.691 | -C.162 | 21.719 | -C.134 | 21.731 | -C.080 | 21.731 | -C.018 |
| 18.488 | -0.333 | 18.504 | -0.360 | 18.516 | -0.346 | 18.527 | -0.265 | 21.742 | 0.029 | 21.756 | C.057 | 21.775 | C.112 | 21.789 | C.146 |
| 18.542 | -0.144 | 18.551 | -0.083 | 18.566 | -0.029 | 18.577 | -0.062 | 21.800 | C.160 | 21.812 | C.141 | 21.829 | C.115 | 21.843 | C.109 |
| 18.590 | -0.102 | 18.601 | -0.142 | 18.612 | -0.149 | 18.623 | -0.128 | 21.868 | C.110 | 21.883 | C.070 | 21.904 | -C.003 | 21.915 | -C.050 |
| 18.639 | -0.054 | 18.651 | 0.020 | 18.665 | 0.067 | 18.673 | C.094 | 21.928 | -C.083 | 21.955 | -0.015 | 21.974 | -C.014 | 21.990 | -C.020 |
| 18.684 | 0.107 | 18.701 | 0.100 | 18.718 | 0.053 | 18.728 | 0.067 | 22.003 | -C.020 | 22.022 | -C.012 | 22.038 | -C.039 | 22.055 | -C.085 |
| | | | | | | | | 22.074 | -C.064 | 22.093 | -C.050 | 22.111 | -C.049 | 22.127 | -C.048 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 22.147 | -0.054 | 22.214 | -0.013 | 22.171 | 0.008 | 22.181 | 0.036 | 25.465 | 0.010 | 25.478 | 0.011 | 25.491 | -0.003 | 25.504 | C.004 |
| 22.195 | 0.023 | 22.214 | 0.004 | 22.228 | 0.031 | 22.242 | 0.079 | 25.519 | 0.032 | 25.536 | 0.065 | 25.552 | 0.093 | 25.568 | 0.086 |
| 22.261 | 0.073 | 22.280 | 0.074 | 22.304 | 0.082 | 22.322 | 0.097 | 25.577 | 0.059 | 25.590 | 0.019 | 25.602 | -0.034 | 25.612 | -0.068 |
| 22.336 | 0.105 | 22.354 | 0.106 | 22.367 | 0.080 | 22.381 | 0.040 | 25.628 | -0.108 | 25.641 | -0.061 | 25.656 | -0.061 | 25.670 | -0.040 |
| 22.393 | 0.007 | 22.410 | 0.042 | 22.427 | 0.070 | 22.445 | 0.085 | 25.682 | -0.053 | 25.697 | -0.053 | 25.710 | -0.039 | 25.730 | 0.016 |
| 22.458 | 0.045 | 22.473 | 0.026 | 22.489 | -0.020 | 22.509 | -0.066 | 25.744 | -0.058 | 25.758 | -0.059 | 25.774 | -0.033 | 25.789 | C.000 |
| 22.528 | -0.064 | 22.544 | -0.057 | 22.562 | -0.036 | 22.581 | 0.019 | 25.801 | -0.005 | 25.822 | -0.004 | 25.834 | 0.024 | 25.847 | C.038 |
| 22.601 | 0.054 | 22.614 | 0.055 | 22.632 | 0.049 | 22.650 | 0.043 | 25.861 | -0.053 | 25.874 | -0.047 | 25.887 | -0.028 | 25.901 | -0.011 |
| 22.674 | 0.044 | 22.688 | 0.025 | 22.700 | -0.022 | 22.714 | -0.054 | 25.916 | -0.058 | 25.933 | -0.077 | 25.946 | -0.063 | 25.959 | -0.062 |
| 22.739 | -0.013 | 22.766 | 0.002 | 22.787 | 0.065 | 22.803 | 0.113 | 25.974 | -0.062 | 25.990 | -0.054 | 26.004 | -0.060 | 26.019 | -0.070 |
| 22.826 | 0.155 | 22.849 | 0.143 | 22.869 | 0.071 | 22.886 | 0.025 | 26.037 | -0.059 | 26.050 | -0.065 | 26.063 | -0.070 | 26.075 | -0.073 |
| 22.905 | -0.007 | 22.920 | -0.047 | 22.938 | -0.119 | 22.951 | -0.159 | 26.087 | -0.082 | 26.100 | -0.068 | 26.115 | -0.040 | 26.131 | -0.039 |
| 22.965 | -0.191 | 22.985 | -0.216 | 22.997 | -0.208 | 23.015 | -0.193 | 26.147 | -0.044 | 26.161 | -0.049 | 26.175 | -0.061 | 26.191 | -0.073 |
| 23.028 | -0.159 | 23.042 | -0.157 | 23.060 | -0.209 | 23.076 | -0.228 | 26.205 | -0.105 | 26.219 | -0.111 | 26.225 | -0.104 | 26.245 | -0.069 |
| 23.091 | -0.267 | 23.105 | -0.299 | 23.118 | -0.311 | 23.134 | -0.276 | 26.259 | -0.042 | 26.278 | -0.047 | 26.292 | -0.067 | 26.307 | -0.106 |
| 23.150 | -0.227 | 23.162 | -0.179 | 23.172 | -0.138 | 23.181 | -0.057 | 26.325 | -0.119 | 26.341 | -0.071 | 26.357 | -0.029 | 26.373 | -0.022 |
| 23.193 | -0.089 | 23.205 | -0.088 | 23.220 | -0.100 | 23.231 | -0.120 | 26.395 | -0.028 | 26.413 | -0.048 | 26.429 | -0.062 | 26.445 | -0.075 |
| 23.244 | -0.105 | 23.255 | -0.091 | 23.267 | -0.069 | 23.277 | -0.089 | 26.459 | -0.054 | 26.471 | -0.034 | 26.484 | -0.006 | 26.497 | C.020 |
| 23.289 | -0.095 | 23.298 | -0.114 | 23.311 | -0.126 | 23.326 | -0.112 | 26.509 | 0.020 | 26.523 | 0.047 | 26.537 | 0.054 | 26.548 | 0.048 |
| 23.342 | -0.077 | 23.356 | -0.022 | 23.366 | 0.013 | 23.383 | 0.061 | 26.562 | 0.034 | 26.577 | 0.028 | 26.589 | 0.048 | 26.604 | C.076 |
| 23.454 | -0.006 | 23.471 | -0.005 | 23.482 | 0.010 | 23.492 | 0.051 | 26.617 | 0.056 | 26.632 | 0.110 | 26.646 | 0.117 | 26.657 | 0.097 |
| 23.502 | 0.079 | 23.515 | 0.033 | 23.530 | -0.006 | 23.545 | -0.059 | 26.672 | 0.044 | 26.665 | 0.010 | 26.702 | -0.016 | 26.714 | C.011 |
| 23.563 | -0.097 | 23.578 | -0.096 | 23.591 | -0.075 | 23.605 | 0.007 | 26.727 | 0.052 | 26.747 | 0.072 | 26.761 | 0.113 | 26.773 | C.140 |
| 23.613 | 0.042 | 23.629 | 0.077 | 23.645 | 0.051 | 23.660 | 0.032 | 26.750 | 0.127 | 26.807 | 0.127 | 26.822 | 0.107 | 26.834 | C.107 |
| 23.674 | 0.054 | 23.689 | 0.069 | 23.709 | 0.071 | 23.729 | 0.053 | 26.847 | 0.094 | 26.860 | 0.073 | 26.875 | 0.067 | 26.885 | C.053 |
| 23.744 | -0.061 | 23.758 | -0.042 | 23.773 | -0.037 | 23.782 | -0.002 | 26.914 | 0.053 | 26.927 | 0.047 | 26.943 | 0.040 | 26.958 | 0.026 |
| 23.806 | -0.027 | 23.827 | -0.052 | 23.847 | -0.037 | 23.862 | 0.025 | 27.026 | 0.047 | 27.044 | 0.040 | 27.060 | 0.060 | 27.072 | C.047 |
| 23.879 | 0.067 | 23.898 | 0.075 | 23.916 | 0.077 | 23.933 | 0.105 | 27.085 | 0.060 | 27.087 | 0.094 | 27.110 | 0.114 | 27.124 | 0.114 |
| 23.945 | 0.099 | 23.958 | 0.080 | 23.974 | 0.054 | 23.987 | 0.069 | 27.136 | 0.107 | 27.149 | 0.100 | 27.164 | 0.080 | 27.176 | C.060 |
| 24.003 | 0.110 | 24.016 | 0.125 | 24.032 | 0.106 | 24.048 | 0.087 | 27.190 | 0.067 | 27.203 | 0.087 | 27.219 | 0.100 | 27.235 | 0.101 |
| 24.059 | 0.061 | 24.075 | 0.048 | 24.091 | 0.069 | 24.109 | 0.117 | 27.248 | 0.114 | 27.260 | 0.101 | 27.277 | 0.067 | 27.294 | 0.034 |
| 24.120 | 0.151 | 24.131 | 0.178 | 24.145 | 0.212 | 24.159 | 0.179 | 27.310 | 0.000 | 27.323 | -0.026 | 27.341 | -0.040 | 27.354 | -0.019 |
| 24.169 | 0.119 | 24.188 | 0.046 | 24.202 | 0.046 | 24.228 | 0.047 | 27.373 | -0.006 | 27.395 | 0.008 | 27.415 | 0.015 | 27.432 | 0.016 |
| 24.235 | 0.021 | 24.254 | -0.006 | 24.269 | -0.025 | 24.284 | -0.039 | 27.448 | 0.016 | 27.467 | 0.003 | 27.482 | 0.004 | 27.497 | 0.011 |
| 24.302 | -0.065 | 24.319 | -0.085 | 24.334 | -0.085 | 24.350 | -0.057 | 27.510 | 0.018 | 27.522 | 0.018 | 27.539 | -0.015 | 27.554 | -0.035 |
| 24.368 | -0.023 | 24.392 | -0.003 | 24.405 | 0.004 | 24.422 | 0.018 | 27.573 | -0.061 | 27.588 | -0.047 | 27.602 | -0.020 | 27.618 | -0.006 |
| 24.448 | 0.060 | 24.459 | 0.060 | 24.534 | 0.039 | 24.470 | 0.053 | 27.633 | 0.015 | 27.645 | -0.005 | 27.660 | -0.031 | 27.678 | -0.051 |
| 24.564 | 0.116 | 24.579 | 0.150 | 24.589 | 0.170 | 24.607 | 0.177 | 27.693 | -0.050 | 27.706 | -0.037 | 27.721 | -0.023 | 27.738 | -0.015 |
| 24.685 | 0.031 | 24.696 | 0.025 | 24.709 | 0.015 | 24.719 | -0.035 | 27.750 | -0.002 | 27.765 | 0.026 | 27.782 | 0.026 | 27.798 | 0.013 |
| 24.728 | -0.061 | 24.743 | -0.014 | 24.757 | 0.007 | 24.767 | 0.014 | 27.816 | -0.007 | 27.839 | -0.013 | 27.848 | -0.013 | 27.864 | C.001 |
| 24.782 | -0.013 | 24.794 | -0.046 | 24.807 | -0.066 | 24.821 | -0.066 | 27.880 | 0.015 | 27.896 | 0.015 | 27.916 | 0.016 | 27.932 | -0.010 |
| 24.831 | -0.065 | 24.846 | -0.051 | 24.859 | -0.010 | 24.877 | 0.038 | 27.950 | -0.016 | 27.965 | -0.025 | 27.980 | -0.028 | 27.995 | C.012 |
| 24.888 | 0.004 | 24.905 | -0.056 | 24.918 | -0.103 | 24.931 | -0.123 | 28.011 | 0.080 | 28.028 | 0.115 | 28.049 | 0.116 | 28.064 | 0.116 |
| 24.947 | -0.123 | 24.959 | -0.116 | 24.974 | -0.095 | 24.991 | -0.068 | 28.086 | 0.117 | 28.099 | 0.071 | 28.117 | 0.018 | 28.131 | -0.022 |
| 25.004 | -0.061 | 25.022 | -0.067 | 25.042 | -0.067 | 25.056 | -0.067 | 28.148 | -0.001 | 28.166 | 0.047 | 28.178 | 0.034 | 28.196 | C.102 |
| 25.072 | -0.067 | 25.087 | -0.067 | 25.098 | -0.073 | 25.110 | -0.019 | 28.210 | 0.062 | 28.224 | 0.088 | 28.244 | -0.018 | 28.260 | -0.038 |
| 25.132 | 0.048 | 25.147 | 0.015 | 25.169 | -0.044 | 25.182 | -0.037 | 28.274 | -0.051 | 28.290 | -0.043 | 28.305 | -0.036 | 28.318 | -0.036 |
| 25.155 | -0.017 | 25.209 | -0.023 | 25.222 | -0.022 | 25.237 | -0.022 | 28.338 | -0.002 | 28.355 | 0.026 | 28.375 | 0.053 | 28.392 | C.074 |
| 25.251 | -0.022 | 25.267 | -0.021 | 25.276 | -0.021 | 25.285 | -0.007 | 28.411 | 0.055 | 28.427 | 0.055 | 28.445 | 0.056 | 28.462 | -0.036 |
| 25.290 | 0.013 | 25.298 | 0.047 | 25.308 | 0.080 | *25.321 | 0.087 | 28.478 | 0.009 | 28.495 | 0.003 | 28.513 | 0.004 | 28.535 | -0.002 |
| 25.325 | 0.087 | 25.334 | 0.087 | 25.345 | 0.080 | 25.353 | 0.054 | 28.555 | -0.008 | 28.570 | 0.020 | 28.583 | 0.047 | 28.603 | C.075 |
| 25.364 | 0.020 | 25.377 | -0.013 | 25.388 | -0.013 | 25.403 | 0.021 | 28.622 | -0.076 | 28.639 | -0.070 | 28.654 | 0.037 | 28.669 | -0.010 |
| 25.419 | 0.089 | 25.429 | 0.096 | 25.440 | 0.076 | 25.452 | 0.043 | 28.683 | -0.030 | 28.698 | -0.003 | 28.714 | 0.031 | 28.730 | C.038 |
| | | | | | | | | 28.743 | 0.018 | 28.758 | -0.029 | 28.776 | -0.062 | 28.792 | -0.082 |
| | | | | | | | | 28.805 | -0.061 | 28.821 | -0.048 | 28.836 | -0.041 | 28.852 | -0.074 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 28.665 | -0.087 | 28.876 | -0.060 | 28.895 | 0.000 | 28.914 | 0.001 | 32.229 | -0.047 | 32.251 | -0.039 | 32.266 | -0.039 | 32.280 | -0.025 |
| 28.906 | 0.008 | 28.957 | 0.008 | 28.975 | 0.022 | 28.990 | 0.049 | 32.295 | -0.017 | 32.302 | -0.017 | 32.313 | -0.009 | 32.330 | 0.012 |
| 29.006 | 0.029 | 29.023 | 0.023 | 29.042 | 0.010 | 29.060 | 0.010 | 32.342 | 0.039 | 32.356 | 0.026 | 32.373 | 0.014 | 32.394 | 0.008 |
| 29.080 | 0.011 | 29.096 | 0.004 | 29.111 | 0.005 | 29.122 | -0.015 | 32.422 | -0.004 | 32.433 | -0.010 | 32.442 | -0.016 | 32.453 | -0.029 |
| 29.134 | -0.035 | 29.151 | -0.082 | 29.168 | -0.108 | 29.183 | -0.121 | 32.471 | -0.048 | 32.480 | -0.074 | 32.490 | -0.080 | 32.503 | -0.046 |
| 29.199 | -0.161 | 29.212 | -0.188 | 29.226 | -0.167 | 29.240 | -0.133 | 32.514 | -0.018 | 32.534 | -0.003 | 32.556 | -0.044 | 32.563 | -0.064 |
| 29.253 | -0.078 | 29.272 | -0.044 | 29.286 | -0.043 | 29.301 | -0.043 | 32.582 | -0.057 | 32.590 | -0.070 | 32.603 | -0.083 | 32.617 | -0.076 |
| 29.317 | -0.042 | 29.331 | -0.061 | 29.343 | -0.081 | 29.362 | -0.094 | 32.630 | -0.062 | 32.651 | -0.035 | 32.665 | -0.021 | 32.675 | -0.035 |
| 29.378 | -0.079 | 29.391 | -0.072 | 29.409 | -0.071 | 29.424 | -0.070 | 32.688 | -0.041 | 32.703 | -0.027 | 32.729 | -0.024 | 32.741 | -0.013 |
| 29.436 | -0.056 | 29.450 | -0.015 | 29.465 | 0.006 | 29.481 | 0.007 | 32.745 | -0.020 | 32.764 | 0.007 | 32.781 | -0.006 | 32.789 | -0.040 |
| 29.494 | -0.013 | 29.506 | -0.053 | 29.518 | -0.066 | 29.536 | -0.105 | 32.807 | -0.040 | 32.816 | -0.026 | 32.833 | -0.013 | 32.846 | 0.001 |
| 29.550 | -0.091 | 29.568 | -0.084 | 29.580 | -0.057 | 29.596 | -0.009 | 32.867 | 0.015 | 32.883 | 0.015 | 32.905 | 0.042 | 32.938 | 0.050 |
| 29.613 | 0.005 | 29.632 | 0.012 | 29.651 | 0.012 | 29.672 | 0.012 | 32.967 | 0.037 | 32.977 | 0.024 | 32.986 | -0.003 | 33.012 | -0.002 |
| 29.690 | 0.026 | 29.709 | 0.026 | 29.726 | 0.006 | 29.742 | 0.033 | 33.028 | 0.018 | 33.055 | 0.018 | 33.082 | 0.005 | 33.095 | -0.028 |
| 29.756 | 0.060 | 29.774 | 0.087 | 29.789 | 0.087 | 29.804 | 0.087 | 33.116 | -0.042 | 33.137 | -0.021 | 33.152 | -0.034 | 33.167 | -0.048 |
| 29.824 | 0.080 | 29.839 | 0.073 | 29.856 | 0.073 | 29.874 | 0.060 | 33.187 | -0.061 | 33.198 | -0.061 | 33.213 | -0.055 | 33.233 | -0.075 |
| 29.889 | 0.053 | 29.904 | 0.040 | 29.917 | 0.020 | 29.930 | -0.000 | 33.249 | -0.054 | 33.267 | -0.041 | 33.286 | -0.034 | 33.301 | -0.007 |
| 29.941 | -0.000 | 29.959 | -0.007 | 29.972 | -0.013 | 29.983 | 0.000 | 33.318 | -0.014 | 33.332 | -0.001 | 33.351 | -0.001 | 33.362 | 0.013 |
| 29.999 | 0.014 | 30.017 | 0.027 | 30.033 | 0.034 | 30.052 | 0.048 | 33.377 | 0.013 | 33.404 | 0.013 | 33.421 | 0.020 | 33.435 | 0.020 |
| 30.071 | 0.048 | 30.092 | 0.048 | 30.106 | 0.049 | 30.122 | 0.063 | 33.450 | 0.013 | 33.483 | 0.013 | 33.502 | 0.013 | 33.516 | 0.020 |
| 30.137 | 0.063 | 30.156 | 0.050 | 30.174 | 0.030 | 30.192 | -0.003 | 33.528 | 0.020 | 33.537 | 0.006 | 33.557 | 0.006 | 33.583 | 0.027 |
| 30.207 | -0.036 | 30.225 | -0.049 | 30.242 | -0.042 | 30.256 | -0.041 | 33.602 | 0.034 | 33.612 | 0.014 | 33.625 | 0.000 | 33.639 | -0.020 |
| 30.270 | -0.041 | 30.285 | -0.047 | 30.301 | -0.020 | 30.322 | -0.019 | 33.654 | -0.026 | 33.684 | -0.026 | 33.699 | -0.046 | 33.718 | -0.046 |
| 30.340 | -0.012 | 30.361 | -0.004 | 30.383 | -0.004 | 30.401 | 0.003 | 33.734 | -0.039 | 33.760 | -0.025 | 33.776 | -0.025 | 33.810 | -0.024 |
| 30.418 | 0.004 | 30.430 | -0.023 | 30.442 | -0.022 | 30.452 | -0.002 | 33.825 | -0.037 | 33.842 | -0.037 | 33.863 | -0.017 | 33.880 | -0.010 |
| 30.466 | 0.025 | 30.481 | 0.033 | 30.498 | -0.007 | 30.514 | -0.027 | 33.911 | -0.043 | 33.945 | -0.029 | 33.962 | -0.022 | 33.977 | -0.022 |
| 30.531 | -0.047 | 30.548 | -0.053 | 30.564 | -0.066 | 30.578 | -0.045 | 33.994 | -0.002 | 34.022 | -0.019 | 34.038 | 0.012 | 34.052 | 0.006 |
| 30.554 | -0.011 | 30.610 | 0.016 | 30.636 | 0.038 | 30.647 | 0.052 | 34.071 | 0.006 | 34.085 | 0.006 | 34.104 | 0.006 | 34.118 | 0.006 |
| 30.661 | 0.052 | 30.676 | 0.059 | 30.698 | 0.060 | 30.708 | 0.081 | 34.130 | -0.001 | 34.151 | -0.014 | 34.167 | -0.014 | 34.181 | -0.007 |
| 30.731 | 0.065 | 30.736 | 0.049 | 30.750 | 0.029 | 30.761 | 0.003 | 34.197 | -0.001 | 34.210 | -0.014 | 34.224 | -0.001 | 34.235 | -0.007 |
| 30.769 | -0.017 | 30.780 | -0.030 | 30.794 | -0.030 | 30.812 | -0.023 | 34.252 | 0.006 | 34.279 | 0.006 | 34.296 | -0.007 | 34.310 | 0.006 |
| 30.823 | -0.025 | 30.852 | -0.022 | 30.872 | -0.035 | 30.891 | -0.048 | 34.320 | 0.020 | 34.332 | 0.047 | 34.342 | 0.061 | 34.363 | 0.074 |
| 30.903 | -0.021 | 30.925 | -0.014 | 30.938 | -0.001 | 30.952 | -0.001 | 34.374 | 0.068 | 34.385 | 0.061 | 34.406 | 0.041 | 34.418 | -0.028 |
| 30.965 | 0.013 | 30.984 | 0.026 | 30.994 | 0.033 | 31.004 | 0.033 | 34.434 | 0.008 | 34.461 | 0.001 | 34.487 | 0.001 | 34.513 | -0.005 |
| 31.012 | 0.033 | 31.023 | 0.053 | 31.035 | 0.060 | 31.043 | 0.060 | 34.536 | -0.004 | 34.554 | -0.003 | 34.584 | 0.004 | 34.623 | 0.004 |
| 31.056 | 0.067 | 31.068 | 0.067 | 31.082 | 0.067 | 31.095 | 0.067 | 34.642 | -0.009 | 34.664 | -0.008 | 34.685 | -0.028 | 34.702 | -0.028 |
| 31.107 | 0.060 | 31.117 | 0.047 | 31.134 | 0.047 | 31.152 | 0.040 | 34.728 | -0.008 | 34.747 | -0.028 | 34.762 | -0.034 | 34.770 | -0.034 |
| 31.165 | 0.033 | 31.179 | 0.033 | 31.195 | 0.033 | 31.218 | 0.033 | 34.783 | -0.034 | 34.799 | -0.027 | 34.815 | -0.007 | 34.829 | 0.014 |
| 31.231 | 0.033 | 31.244 | 0.020 | 31.253 | 0.006 | 31.267 | 0.013 | 34.841 | 0.034 | 34.853 | 0.027 | 34.863 | 0.001 | 34.877 | 0.001 |
| 31.280 | 0.006 | 31.294 | -0.007 | 31.306 | -0.007 | 31.319 | 0.006 | 34.885 | 0.001 | 34.903 | 0.014 | 34.945 | 0.015 | 34.972 | 0.036 |
| 31.332 | -0.001 | 31.345 | -0.007 | 31.358 | 0.006 | 31.368 | 0.006 | 34.992 | 0.036 | 35.008 | 0.030 | 35.022 | 0.037 | 35.034 | 0.037 |
| 31.379 | -0.007 | 31.393 | -0.014 | 31.403 | -0.021 | 31.415 | -0.021 | 35.055 | 0.051 | 35.071 | 0.038 | 35.093 | 0.038 | 35.111 | 0.039 |
| 31.427 | -0.027 | 31.448 | -0.061 | 31.460 | -0.061 | 31.478 | -0.068 | 35.127 | 0.039 | 35.143 | 0.060 | 35.162 | 0.073 | 35.181 | 0.094 |
| 31.493 | -0.048 | 31.506 | -0.021 | 31.518 | -0.000 | 31.536 | -0.014 | 35.210 | 0.088 | 35.222 | 0.068 | 35.245 | 0.055 | 35.264 | 0.022 |
| 31.567 | -0.027 | 31.563 | -0.040 | 31.574 | -0.074 | 31.596 | -0.107 | 35.286 | 0.003 | 35.306 | -0.050 | 35.335 | -0.089 | 35.380 | -0.114 |
| 31.608 | -0.114 | 31.617 | -0.134 | 31.633 | -0.167 | 31.646 | -0.174 | 35.397 | 0.127 | 35.409 | -0.106 | 35.429 | -0.091 | 35.441 | -0.104 |
| 31.660 | -0.174 | 31.670 | -0.173 | 31.684 | -0.166 | 31.696 | -0.153 | 35.479 | -0.130 | 35.499 | -0.102 | 35.500 | -0.101 | 35.529 | -0.046 |
| 31.713 | -0.152 | 31.726 | -0.159 | 31.742 | -0.158 | 31.754 | -0.165 | 35.563 | -0.044 | 35.584 | -0.045 | 35.619 | -0.042 | 35.648 | -0.041 |
| 31.765 | -0.165 | 31.781 | -0.164 | 31.792 | -0.164 | 31.802 | -0.164 | 35.689 | -0.039 | 35.698 | -0.045 | 35.711 | -0.072 | 35.730 | -0.071 |
| 31.812 | -0.123 | 31.824 | -0.123 | 31.833 | -0.109 | 31.840 | -0.102 | 35.754 | -0.076 | 35.771 | -0.089 | 35.795 | -0.067 | 35.810 | -0.046 |
| 31.857 | -0.088 | 31.872 | -0.101 | 31.884 | -0.081 | 31.901 | -0.080 | 35.838 | -0.031 | 35.855 | -0.029 | 35.917 | -0.034 | 35.936 | -0.032 |
| 31.922 | -0.066 | 31.956 | -0.085 | 31.968 | -0.085 | 31.976 | -0.058 | 35.969 | -0.016 | 35.983 | 0.005 | 36.017 | 0.014 | 36.041 | 0.002 |
| 31.958 | -0.043 | 32.019 | 0.025 | 32.032 | 0.012 | 32.044 | 0.013 | 36.077 | 0.005 | 36.097 | 0.006 | 36.112 | -0.007 | 36.129 | -0.046 |
| 32.058 | 0.013 | 32.075 | 0.014 | 32.091 | 0.022 | 32.106 | 0.043 | 36.162 | -0.057 | 36.178 | -0.056 | 36.190 | -0.028 | 36.211 | -0.013 |
| 32.140 | 0.044 | 32.147 | 0.038 | 32.161 | 0.011 | 32.176 | -0.029 | 36.229 | 0.001 | 36.248 | -0.003 | 36.259 | 0.003 | 36.274 | -0.002 |
| 32.184 | -0.049 | 32.194 | -0.068 | 32.210 | -0.081 | 32.218 | -0.054 | 36.295 | -0.001 | 36.309 | -0.020 | 36.325 | -0.032 | 36.336 | -0.031 |

| | | | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 36.363 | -0.009 | 36.371 | 0.018 | 36.387 | 0.046 | 36.404 | 0.074 | 39.888 | C.013 | 39.904 | 0.026 | 39.919 | C.033 | 39.931 | C.040 |
| 36.427 | -0.055 | 36.440 | 0.096 | 36.449 | 0.083 | 36.456 | 0.050 | 39.944 | C.020 | 39.961 | C.007 | 39.973 | -C.007 | 39.988 | -0.007 |
| 36.472 | -0.017 | 36.486 | -0.050 | 36.499 | -0.056 | 36.513 | -0.028 | 40.006 | -0.006 | 40.020 | -0.006 | 40.035 | -C.006 | 40.054 | -C.006 |
| 36.533 | -0.027 | 36.548 | -0.040 | 36.564 | -0.066 | 36.584 | -0.072 | 40.068 | -0.006 | 40.081 | -0.006 | 40.092 | -C.006 | 40.105 | -C.006 |
| 36.602 | -0.057 | 36.618 | -0.009 | 36.657 | 0.008 | 36.668 | -0.025 | 40.121 | -C.038 | 40.135 | -0.051 | 40.153 | -C.051 | 40.165 | -0.064 |
| 36.694 | -0.090 | 36.704 | 0.102 | 36.716 | -0.101 | 36.733 | -0.079 | 40.176 | -0.091 | 40.194 | -0.104 | 40.209 | -C.131 | 40.227 | -0.130 |
| 36.753 | -0.024 | 36.777 | 0.025 | 36.792 | 0.027 | 36.818 | -0.018 | 40.238 | -C.117 | 40.252 | -C.063 | 40.265 | -C.063 | 40.284 | -C.056 |
| 36.842 | -0.030 | 36.867 | -0.076 | 36.893 | 0.075 | 36.918 | -0.080 | 40.302 | -0.049 | 40.316 | -C.042 | 40.334 | -C.042 | 40.344 | -C.035 |
| 36.936 | -0.106 | 36.948 | -0.159 | 36.971 | -0.219 | 36.991 | -0.197 | 40.355 | -C.008 | 40.365 | -0.014 | 40.377 | -C.021 | 40.392 | -C.021 |
| 37.010 | -0.135 | 37.043 | -0.085 | 37.069 | -0.063 | 37.114 | -0.006 | 40.407 | -0.021 | 40.424 | -0.027 | 40.440 | -C.027 | 40.453 | -C.027 |
| 37.136 | 0.037 | 37.181 | 0.048 | 37.226 | 0.040 | 37.261 | C.010 | 40.465 | -0.027 | 40.478 | -0.034 | 40.491 | -C.060 | 40.505 | -C.067 |
| 37.305 | -0.074 | 37.333 | -0.111 | 37.368 | -0.080 | 37.384 | -0.092 | 40.521 | -0.053 | 40.533 | -0.053 | 40.546 | -C.053 | 40.564 | -C.053 |
| 37.428 | -0.074 | 37.447 | -0.052 | 37.462 | -0.024 | 37.487 | -0.002 | 40.580 | -0.053 | 40.595 | -C.013 | 40.607 | -C.059 | 40.620 | -C.065 |
| 37.513 | 0.013 | 37.567 | -0.024 | 37.614 | -0.008 | 37.637 | 0.020 | 40.630 | -0.065 | 40.646 | -0.058 | 40.662 | -C.030 | 40.675 | -C.030 |
| 37.554 | -0.006 | 37.586 | -0.025 | 37.711 | 0.057 | 37.741 | -0.009 | 40.685 | -0.009 | 40.704 | -0.009 | 40.720 | -C.008 | 40.728 | -C.006 |
| 37.764 | -0.068 | 37.777 | -0.047 | 37.797 | -0.025 | 37.828 | -0.044 | 40.741 | 0.013 | 40.757 | 0.013 | 40.768 | 0.014 | 40.782 | C.007 |
| 37.847 | -0.022 | 37.857 | -0.008 | 37.865 | 0.006 | 37.872 | 0.033 | 40.796 | -0.012 | 40.807 | -0.032 | 40.824 | -C.031 | 40.837 | -0.030 |
| *37.880 | 0.047 | 37.889 | 0.054 | 37.894 | 0.055 | 37.901 | 0.055 | 40.857 | -0.023 | 40.869 | -0.029 | 40.881 | -C.042 | 40.895 | -0.068 |
| 37.913 | 0.029 | 37.923 | 0.023 | 37.932 | 0.017 | 37.942 | 0.018 | 40.908 | -0.074 | 40.922 | -0.080 | 40.934 | -C.073 | 40.949 | -C.072 |
| 37.952 | 0.018 | 37.964 | 0.026 | 37.975 | -0.020 | 37.987 | -0.067 | 40.961 | -0.072 | 40.975 | -0.071 | 40.985 | -0.091 | 41.000 | -0.097 |
| 37.999 | -0.106 | 38.014 | -0.139 | 38.021 | -0.111 | 38.034 | -0.077 | 41.016 | -C.110 | 41.031 | -0.129 | 41.046 | -C.115 | 41.060 | -C.081 |
| 38.046 | -0.030 | 38.061 | -0.016 | 38.075 | 0.005 | 38.085 | 0.005 | 41.074 | -0.067 | 41.091 | -0.060 | 41.111 | -C.046 | 41.125 | -C.059 |
| 38.058 | -0.008 | 38.108 | -0.001 | 38.122 | -0.000 | 38.133 | -0.006 | 41.138 | -0.078 | 41.156 | -C.105 | 41.172 | -C.104 | 41.190 | -0.097 |
| 38.144 | 0.021 | 38.156 | 0.036 | 38.168 | 0.043 | 38.181 | 0.044 | 41.198 | -0.076 | 41.216 | -0.069 | 41.230 | -C.069 | 41.242 | -0.062 |
| 38.194 | 0.038 | 38.207 | 0.012 | 38.217 | 0.007 | 38.227 | 0.009 | 41.256 | -0.055 | 41.271 | -0.034 | 41.285 | -C.047 | 41.301 | -0.047 |
| 38.239 | 0.003 | 38.252 | -0.001 | 38.263 | 0.014 | 38.274 | 0.022 | 41.315 | -C.047 | 41.329 | -C.040 | 41.347 | -C.032 | 41.363 | -0.032 |
| 38.283 | 0.010 | 38.294 | -0.015 | 38.307 | -0.054 | 38.318 | -0.092 | 41.378 | -0.051 | 41.392 | -0.071 | 41.408 | -C.090 | 41.427 | -0.096 |
| 38.330 | -0.098 | 38.342 | -0.090 | 38.357 | -0.088 | 38.368 | -0.087 | 41.448 | -C.089 | 41.460 | -0.061 | 41.479 | -C.040 | 41.495 | -0.013 |
| 38.381 | -0.066 | 38.394 | -0.085 | 38.408 | -0.083 | 38.420 | -0.075 | 41.511 | C.001 | 41.526 | -C.065 | 41.545 | -0.011 | 41.563 | -0.010 |
| 38.437 | -0.067 | 38.457 | -0.066 | 38.466 | -0.058 | 38.476 | -0.037 | 41.579 | -0.009 | 41.592 | 0.012 | 41.605 | 0.013 | 41.615 | -0.007 |
| 38.490 | -0.036 | 38.501 | -0.008 | 38.516 | -0.007 | 38.531 | -0.011 | 41.629 | -C.020 | 41.643 | -0.039 | 41.656 | -C.018 | 41.670 | -0.017 |
| 38.540 | 0.010 | 38.556 | -0.001 | 38.575 | -0.005 | 38.585 | -0.023 | 41.684 | 0.024 | 41.697 | 0.025 | 41.711 | 0.024 | 41.722 | -C.024 |
| 38.593 | -0.022 | 38.603 | -0.028 | 38.619 | -0.073 | 38.630 | -0.079 | 41.734 | 0.025 | 41.746 | 0.025 | 41.758 | 0.019 | 41.770 | -C.001 |
| 38.644 | -0.071 | 38.655 | -0.043 | 38.669 | -0.022 | 38.681 | -0.014 | 41.783 | -0.014 | 41.795 | -0.021 | 41.812 | -C.021 | 41.824 | -0.021 |
| 38.696 | -0.007 | 38.706 | -0.013 | 38.720 | -0.020 | 38.729 | -0.040 | 41.837 | -0.034 | 41.852 | -0.048 | 41.865 | -0.048 | 41.880 | -C.034 |
| 38.746 | -0.060 | 38.757 | -0.046 | 38.766 | -0.025 | 38.778 | -0.003 | 41.894 | -0.034 | 41.915 | -0.034 | 41.930 | -0.041 | 41.944 | -C.041 |
| 38.790 | 0.036 | 38.803 | 0.023 | 38.817 | -0.003 | 38.831 | -0.003 | 41.955 | -0.041 | 41.968 | -0.041 | 41.982 | -C.020 | 41.998 | 0.000 |
| 38.848 | -0.029 | 38.862 | -0.028 | 38.872 | -0.014 | 38.886 | -0.007 | 42.012 | 0.000 | 42.030 | 0.021 | 42.045 | 0.021 | 42.065 | 0.021 |
| 38.897 | 0.007 | 38.910 | -0.012 | 38.925 | -0.032 | 38.938 | -0.031 | 42.082 | 0.015 | 42.102 | -0.005 | 42.114 | -0.012 | 42.126 | -0.012 |
| 38.949 | -0.030 | 38.960 | -0.009 | 38.973 | -0.013 | 38.986 | 0.021 | 42.141 | -0.025 | 42.154 | -0.045 | 42.168 | -0.052 | 42.182 | -0.065 |
| 38.998 | -0.005 | 39.008 | -0.017 | 39.021 | -0.016 | 39.037 | -0.007 | 42.194 | -0.078 | 42.208 | -0.051 | 42.224 | -0.112 | 42.239 | -0.125 |
| 39.053 | -0.013 | 39.069 | 0.003 | 39.086 | -0.002 | 39.099 | -0.008 | 42.252 | -C.125 | 42.266 | -0.126 | 42.282 | -C.119 | 42.299 | -0.099 |
| 39.116 | -0.020 | 39.129 | -0.011 | 39.140 | 0.010 | 39.153 | 0.031 | 42.314 | -0.086 | 42.329 | -0.053 | 42.345 | -0.046 | 42.361 | -0.040 |
| 39.171 | 0.032 | 39.184 | -0.008 | 39.195 | -0.020 | 39.210 | 0.039 | 42.375 | -0.047 | 42.388 | -0.060 | 42.399 | -0.087 | 42.414 | -0.088 |
| 39.225 | -0.035 | 39.241 | -0.038 | 39.253 | -0.044 | 39.265 | -0.023 | 42.427 | -0.047 | 42.447 | -0.034 | 42.461 | -0.034 | 42.479 | -0.020 |
| 39.280 | -0.008 | 39.297 | -0.021 | 39.314 | -0.020 | 39.327 | -0.019 | 42.494 | -0.019 | 42.509 | -0.006 | 42.528 | -C.000 | 42.536 | -C.001 |
| 39.344 | -0.031 | 39.354 | -0.038 | 39.365 | -0.057 | 39.380 | -0.070 | 42.548 | -C.013 | 42.559 | -0.046 | 42.574 | -0.073 | 42.588 | -C.073 |
| 39.391 | -0.073 | 39.406 | -0.063 | 39.422 | -0.056 | 39.435 | -0.055 | 42.604 | -0.072 | 42.618 | -0.072 | 42.631 | -0.072 | 42.646 | -C.071 |
| 39.448 | -0.055 | 39.463 | -0.068 | 39.476 | -0.068 | 39.487 | -0.054 | 42.661 | -0.071 | 42.676 | -0.070 | 42.686 | -0.083 | 42.698 | -0.076 |
| 39.502 | -0.027 | 39.518 | -0.001 | 39.534 | 0.006 | 39.549 | 0.013 | 42.715 | -0.062 | 42.727 | -0.048 | 42.740 | -0.048 | 42.750 | -0.048 |
| 39.566 | 0.013 | 39.582 | 0.020 | 39.597 | 0.047 | 39.610 | 0.040 | 42.762 | -0.034 | 42.778 | -0.034 | 42.792 | -0.033 | 42.805 | -0.033 |
| 39.619 | 0.020 | 39.631 | -0.021 | 39.646 | -0.027 | 39.660 | -0.027 | 42.812 | -0.033 | 42.821 | -0.033 | 42.833 | -0.032 | 42.845 | -0.046 |
| 39.672 | -C.021 | 39.686 | -0.013 | 39.695 | 0.013 | 39.714 | -0.021 | 42.854 | -0.045 | 42.866 | -0.045 | 42.876 | -0.045 | 42.887 | -0.038 |
| 39.726 | -0.027 | 39.739 | -0.027 | 39.751 | -0.061 | 39.760 | -0.075 | 42.900 | -0.038 | 42.910 | -0.037 | 42.922 | -0.031 | 42.934 | -C.017 |
| 39.773 | -0.088 | 39.787 | -0.088 | 39.800 | -0.088 | 39.812 | -0.068 | 42.945 | -0.017 | 42.957 | -0.003 | 42.967 | -0.003 | 42.977 | -0.003 |
| 39.827 | -0.054 | 39.846 | -0.041 | 39.858 | -0.021 | 39.874 | -0.007 | 42.988 | -C.009 | 42.998 | -0.016 | 43.011 | -C.036 | 43.028 | -0.076 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 43.048 | -0.068 | 43.056 | -0.068 | 43.067 | -0.067 | 43.080 | -0.067 | 45.548 | -0.103 | 45.958 | -0.123 | 45.972 | -0.130 | 45.986 | -0.143 |
| 43.090 | -0.066 | 43.101 | -0.066 | 43.111 | -0.059 | 43.123 | -0.045 | 46.000 | -0.143 | 46.019 | -0.122 | 46.032 | -0.115 | 46.046 | -0.109 |
| 43.137 | -0.043 | 43.148 | -0.037 | 43.160 | -0.037 | 43.170 | -0.043 | 46.061 | -0.088 | 46.077 | -0.088 | 46.091 | -0.081 | 46.101 | -0.081 |
| 43.183 | -0.043 | 43.195 | -0.056 | 43.204 | -0.055 | 43.218 | -0.048 | 46.116 | -0.101 | 46.129 | -0.088 | 46.145 | -0.081 | 46.163 | -0.081 |
| 43.230 | -0.048 | 43.244 | -0.048 | 43.257 | -0.054 | 43.268 | -0.067 | 46.176 | -0.081 | 46.192 | -0.081 | 46.204 | -0.081 | 46.219 | -0.088 |
| 43.278 | -0.067 | 43.286 | -0.053 | 43.301 | -0.060 | 43.310 | -0.059 | 46.234 | -0.088 | 46.246 | -0.055 | 46.262 | -0.055 | 46.278 | -0.055 |
| 43.320 | -0.059 | 43.333 | -0.066 | 43.341 | -0.065 | 43.354 | -0.065 | 46.290 | -0.095 | 46.307 | -0.081 | 46.321 | -0.088 | 46.335 | -0.081 |
| 43.367 | -0.058 | 43.382 | -0.051 | 43.397 | -0.050 | 43.414 | -0.056 | 46.348 | -0.074 | 46.363 | -0.074 | 46.373 | -0.074 | 46.389 | -0.074 |
| 43.425 | -0.069 | 43.440 | -0.061 | 43.453 | -0.054 | 43.466 | -0.060 | 46.404 | -0.053 | 46.420 | -0.053 | 46.437 | -0.053 | 46.449 | -0.053 |
| 43.479 | -0.059 | 43.489 | -0.059 | 43.498 | -0.065 | 43.508 | -0.065 | 46.464 | -0.039 | 46.480 | -0.039 | 46.493 | -0.038 | 46.505 | -0.038 |
| 43.518 | -0.064 | 43.532 | -0.064 | 43.541 | -0.064 | 43.554 | -0.070 | 46.523 | -0.037 | 46.536 | -0.037 | 46.550 | -0.044 | 46.562 | -0.043 |
| 43.565 | -0.063 | 43.576 | -0.050 | 43.590 | -0.049 | 43.599 | -0.049 | 46.580 | -0.050 | 46.595 | -0.056 | 46.608 | -0.069 | 46.619 | -0.069 |
| 43.611 | -0.049 | 43.619 | -0.049 | 43.630 | -0.055 | 43.639 | -0.062 | 46.628 | -0.055 | 46.643 | -0.062 | 46.656 | -0.048 | 46.668 | -0.048 |
| 43.646 | -0.068 | 43.654 | -0.075 | 43.668 | -0.095 | 43.677 | -0.088 | 46.687 | -0.048 | 46.706 | -0.048 | 46.720 | -0.047 | 46.734 | -0.047 |
| 43.690 | -0.075 | 43.703 | -0.075 | 43.715 | -0.075 | 43.725 | -0.088 | 46.751 | -0.019 | 46.765 | -0.001 | 46.778 | -0.002 | 46.789 | -0.011 |
| 43.736 | -0.088 | 43.748 | -0.088 | 43.756 | -0.075 | 43.768 | -0.061 | 46.802 | -0.018 | 46.820 | -0.037 | 46.834 | -0.036 | 46.850 | -0.035 |
| 43.783 | -0.027 | 43.796 | -0.027 | 43.810 | -0.034 | 43.820 | -0.034 | 46.867 | -0.034 | 46.881 | -0.033 | 46.893 | -0.033 | 46.904 | -0.032 |
| 43.832 | -0.027 | 43.847 | -0.026 | 43.858 | -0.026 | 43.875 | -0.026 | 46.915 | -0.031 | 46.930 | -0.031 | 46.942 | -0.030 | 46.955 | -0.043 |
| 43.886 | -0.026 | 43.900 | -0.026 | 43.909 | -0.025 | 43.922 | -0.018 | 46.965 | -0.036 | 46.980 | -0.036 | 46.992 | -0.035 | 47.008 | -0.042 |
| 43.941 | -0.018 | 43.949 | -0.018 | 43.964 | -0.044 | 43.979 | -0.064 | 47.023 | -0.041 | 47.035 | -0.047 | 47.049 | -0.047 | 47.058 | -0.040 |
| 43.955 | -0.070 | 44.007 | -0.063 | 44.021 | -0.070 | 44.035 | -0.069 | 47.072 | -0.026 | 47.087 | -0.019 | 47.096 | -0.025 | 47.111 | -0.031 |
| 44.050 | -0.056 | 44.062 | -0.056 | 44.071 | -0.056 | 44.082 | -0.069 | 47.124 | -0.037 | 47.138 | -0.036 | 47.150 | -0.049 | 47.161 | -0.048 |
| 44.056 | -0.069 | 44.110 | -0.069 | 44.126 | -0.062 | 44.137 | -0.062 | 47.175 | -0.054 | 47.190 | -0.046 | 47.195 | -0.046 | 47.208 | -0.051 |
| 44.150 | -0.068 | 44.162 | -0.068 | 44.172 | -0.061 | 44.187 | -0.048 | 47.221 | -0.051 | 47.233 | -0.057 | 47.253 | -0.062 | 47.263 | -0.055 |
| 44.197 | -0.054 | 44.213 | -0.054 | 44.224 | -0.047 | 44.239 | -0.047 | 47.276 | -0.054 | 47.288 | -0.053 | 47.301 | -0.059 | 47.316 | -0.065 |
| 44.250 | -0.047 | 44.263 | -0.047 | 44.277 | -0.053 | 44.291 | -0.066 | 47.328 | -0.064 | 47.345 | -0.062 | 47.357 | -0.062 | 47.369 | -0.062 |
| 44.303 | -0.066 | 44.318 | -0.073 | 44.330 | -0.079 | 44.342 | -0.079 | 47.387 | -0.061 | 47.396 | -0.054 | 47.406 | -0.053 | 47.419 | -0.052 |
| 44.353 | -0.079 | 44.367 | -0.071 | 44.379 | -0.071 | 44.394 | -0.070 | 47.429 | -0.059 | 47.445 | -0.056 | 47.453 | -0.084 | 47.465 | -0.057 |
| 44.405 | -0.070 | 44.418 | -0.063 | 44.433 | -0.062 | 44.449 | -0.061 | 47.477 | -0.057 | 47.485 | -0.056 | 47.503 | -0.089 | 47.515 | -0.081 |
| 44.463 | -0.068 | 44.475 | -0.074 | 44.487 | -0.080 | 44.500 | -0.086 | 47.530 | -0.074 | 47.543 | -0.080 | 47.563 | -0.073 | 47.576 | -0.079 |
| 44.515 | -0.085 | 44.531 | -0.084 | 44.544 | -0.063 | 44.558 | -0.056 | 47.588 | -0.078 | 47.617 | -0.051 | 47.616 | -0.077 | 47.639 | -0.075 |
| 44.571 | -0.041 | 44.586 | -0.034 | 44.598 | -0.033 | 44.612 | -0.046 | 47.652 | -0.068 | 47.732 | -0.057 | 47.746 | -0.056 | 47.759 | -0.055 |
| 44.626 | -0.045 | 44.639 | -0.065 | 44.652 | -0.077 | 44.669 | -0.097 | 47.715 | -0.058 | 47.732 | -0.057 | 47.746 | -0.056 | 47.759 | -0.055 |
| 44.684 | -0.103 | 44.697 | -0.095 | 44.714 | -0.094 | 44.729 | -0.087 | 47.773 | -0.055 | 47.785 | -0.040 | 47.800 | -0.040 | 47.816 | -0.039 |
| 44.742 | -0.087 | 44.751 | -0.086 | 44.766 | -0.086 | 44.778 | -0.085 | 47.830 | -0.055 | 47.843 | -0.051 | 47.857 | -0.050 | 47.869 | -0.053 |
| 44.790 | -0.071 | 44.803 | -0.057 | 44.817 | -0.057 | 44.830 | -0.050 | 47.894 | -0.075 | 47.900 | -0.088 | 47.919 | -0.080 | 47.935 | -0.066 |
| 44.843 | -0.056 | 44.856 | -0.055 | 44.869 | -0.055 | 44.880 | -0.061 | 48.007 | -0.063 | 48.021 | -0.069 | 48.034 | -0.055 | 48.057 | -0.048 |
| 44.892 | -0.061 | 44.903 | -0.060 | 44.916 | -0.053 | 44.928 | -0.039 | 48.068 | -0.054 | 48.085 | -0.054 | 48.099 | -0.073 | 48.120 | -0.073 |
| 44.940 | -0.025 | 44.959 | -0.031 | 44.973 | -0.024 | 44.988 | -0.023 | 48.135 | -0.065 | 48.155 | -0.065 | 48.174 | -0.064 | 48.192 | -0.064 |
| 45.005 | -0.023 | 45.019 | -0.022 | 45.035 | -0.028 | 45.048 | -0.034 | 48.213 | -0.056 | 48.229 | -0.056 | 48.243 | -0.055 | 48.260 | -0.055 |
| 45.059 | -0.054 | 45.073 | -0.060 | 45.087 | -0.059 | 45.102 | -0.058 | 48.279 | -0.054 | 48.292 | -0.053 | 48.309 | -0.046 | 48.327 | -0.052 |
| 45.117 | -0.058 | 45.126 | -0.057 | 45.138 | -0.057 | 45.150 | -0.036 | 48.340 | -0.052 | 48.356 | -0.051 | 48.364 | -0.064 | 48.377 | -0.050 |
| 45.161 | -0.009 | 45.177 | -0.002 | 45.189 | -0.019 | 45.201 | -0.013 | 48.395 | -0.050 | 48.410 | -0.049 | 48.422 | -0.035 | 48.437 | -0.034 |
| 45.214 | -0.014 | 45.226 | -0.027 | 45.241 | -0.047 | 45.257 | -0.046 | 48.453 | -0.027 | 48.468 | -0.046 | 48.484 | -0.066 | 48.500 | -0.079 |
| 45.272 | -0.045 | 45.282 | -0.045 | 45.296 | -0.024 | 45.309 | -0.010 | 48.521 | -0.021 | 48.536 | -0.021 | 48.550 | -0.090 | 48.568 | -0.077 |
| 45.321 | -0.004 | 45.331 | -0.004 | 45.345 | -0.016 | 45.358 | -0.028 | 48.566 | -0.070 | 48.619 | -0.056 | 48.619 | -0.069 | 48.633 | -0.069 |
| 45.370 | -0.055 | 45.382 | -0.061 | 45.399 | -0.060 | 45.412 | -0.047 | 48.649 | -0.068 | 48.669 | -0.061 | 48.686 | -0.075 | 48.705 | -0.068 |
| 45.428 | -0.066 | 45.442 | -0.005 | 45.454 | -0.004 | 45.467 | -0.031 | 48.720 | -0.068 | 48.740 | -0.055 | 48.757 | -0.095 | 48.772 | -0.088 |
| 45.485 | -0.044 | 45.498 | -0.043 | 45.510 | -0.043 | 45.525 | -0.029 | 48.784 | -0.068 | 48.802 | -0.061 | 48.819 | -0.061 | 48.833 | -0.075 |
| 45.538 | -0.028 | 45.551 | -0.028 | 45.567 | -0.040 | 45.584 | -0.040 | 48.846 | -0.061 | 48.863 | -0.061 | 48.879 | -0.061 | 48.899 | -0.061 |
| 45.601 | -0.032 | 45.617 | -0.032 | 45.634 | -0.031 | 45.644 | -0.031 | 48.921 | -0.067 | 48.942 | -0.067 | 48.965 | -0.060 | 48.988 | -0.066 |
| 45.651 | -0.031 | 45.666 | -0.063 | 45.679 | -0.063 | 45.698 | -0.075 | 49.008 | -0.053 | 49.039 | -0.052 | 49.124 | -0.058 | 49.142 | -0.083 |
| 45.713 | -0.081 | 45.728 | -0.086 | 45.740 | -0.093 | 45.755 | -0.098 | 49.088 | -0.078 | 49.109 | -0.051 | 49.124 | -0.058 | 49.158 | -0.054 |
| 45.769 | -0.091 | 45.784 | -0.076 | 45.799 | -0.062 | 45.811 | -0.055 | 49.134 | -0.083 | 49.165 | -0.075 | 49.183 | -0.055 | 49.271 | -0.038 |
| 45.830 | -0.054 | 45.846 | -0.040 | 45.855 | -0.060 | 45.871 | -0.086 | 49.216 | -0.060 | 49.234 | -0.053 | 49.255 | -0.059 | 49.271 | -0.038 |
| 45.885 | -0.099 | 45.902 | -0.111 | 45.921 | -0.104 | 45.933 | -0.103 | 49.288 | -0.050 | 49.307 | -0.042 | 49.325 | -0.042 | 49.334 | -0.048 |
| | | | | | | | | 49.339 | -0.048 | 49.344 | -0.054 | 49.351 | -0.054 | | |

IQ241

71-170 2/9/71 0600PST L.A. 800 W. FIRST ST. 1ST FLOOR N53W

3105 POINTS 49.327 SECCNDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1681 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.018 | 0.011 | -0.024 | 0.020 | -0.024 | 0.030 | -0.023 | 1.567 | -0.065 | 1.980 | -0.051 | 1.995 | -0.051 | 2.007 | -0.016 |
| 0.041 | -0.022 | 0.054 | -0.022 | 0.063 | -0.021 | 0.076 | -0.027 | 2.018 | 0.003 | 2.027 | -0.064 | 2.046 | -0.024 | 2.059 | -0.044 |
| 0.085 | -0.026 | 0.094 | -0.026 | 0.106 | -0.024 | 0.118 | -0.036 | 2.073 | -0.045 | 2.087 | -0.064 | 2.102 | -0.017 | 2.117 | -0.036 |
| 0.129 | -0.035 | 0.139 | -0.041 | 0.151 | -0.039 | 0.163 | -0.038 | 2.130 | 0.023 | 2.142 | -0.062 | 2.153 | -0.021 | 2.171 | -0.034 |
| 0.172 | -0.036 | 0.184 | -0.035 | 0.197 | -0.034 | 0.209 | -0.032 | 2.183 | -0.007 | 2.196 | 0.020 | 2.207 | 0.027 | 2.215 | -0.007 |
| 0.219 | -0.031 | 0.229 | -0.030 | 0.242 | -0.028 | 0.255 | -0.027 | 2.235 | -0.006 | 2.252 | 0.068 | 2.264 | 0.015 | 2.275 | -0.042 |
| 0.260 | -0.006 | 0.270 | -0.008 | 0.281 | -0.016 | 0.289 | 0.010 | 2.293 | 0.042 | 2.304 | 0.033 | 2.317 | 0.037 | 2.328 | -0.044 |
| 0.298 | -0.004 | 0.309 | -0.015 | 0.320 | -0.007 | 0.333 | 0.008 | 2.340 | -0.009 | 2.353 | -0.089 | 2.365 | -0.122 | 2.375 | -0.081 |
| 0.346 | -0.022 | 0.358 | -0.017 | 0.369 | -0.021 | 0.381 | -0.021 | 2.364 | -0.041 | 2.393 | -0.040 | 2.406 | -0.020 | 2.420 | -0.051 |
| 0.395 | -0.046 | 0.406 | -0.018 | 0.418 | -0.011 | 0.425 | -0.023 | 2.431 | -0.005 | 2.446 | -0.045 | 2.459 | -0.058 | 2.469 | -0.051 |
| 0.437 | -0.022 | 0.449 | -0.021 | 0.461 | -0.020 | 0.472 | -0.012 | 2.484 | -0.010 | 2.497 | 0.017 | 2.509 | 0.124 | 2.516 | -0.111 |
| 0.486 | -0.011 | 0.499 | -0.010 | 0.509 | -0.009 | 0.520 | -0.008 | 2.533 | 0.031 | 2.546 | -0.015 | 2.560 | -0.035 | 2.574 | -0.019 |
| 0.533 | -0.007 | 0.544 | -0.006 | 0.556 | -0.005 | 0.570 | -0.004 | 2.585 | 0.026 | 2.599 | -0.066 | 2.613 | -0.033 | 2.626 | -0.067 |
| 0.581 | -0.003 | 0.594 | -0.018 | 0.607 | -0.033 | 0.620 | 0.034 | 2.641 | -0.086 | 2.656 | -0.059 | 2.669 | -0.019 | 2.685 | -0.028 |
| 0.632 | -0.034 | 0.645 | -0.035 | 0.655 | -0.035 | 0.663 | -0.015 | 2.658 | 0.034 | 2.718 | 0.034 | 2.722 | 0.014 | 2.737 | -0.013 |
| 0.676 | -0.009 | 0.688 | -0.004 | 0.700 | -0.010 | 0.710 | -0.017 | 2.750 | -0.007 | 2.774 | 0.013 | 2.774 | 0.026 | 2.784 | -0.006 |
| 0.722 | -0.016 | 0.745 | -0.056 | 0.755 | -0.042 | 0.770 | -0.022 | 2.787 | -0.001 | 2.811 | -0.001 | 2.828 | 0.005 | 2.844 | -0.005 |
| 0.784 | -0.015 | 0.800 | -0.013 | 0.817 | -0.006 | 0.833 | 0.006 | 2.858 | 0.005 | 2.869 | -0.045 | 2.881 | -0.071 | 2.892 | -0.031 |
| 0.848 | -0.039 | 0.859 | -0.039 | 0.871 | -0.006 | 0.886 | -0.048 | 2.903 | 0.036 | 2.917 | -0.063 | 2.928 | -0.023 | 2.945 | -0.017 |
| 0.858 | -0.041 | 0.907 | -0.001 | 0.919 | -0.012 | 0.932 | 0.012 | 2.964 | -0.003 | 2.980 | -0.030 | 2.992 | -0.004 | 3.010 | -0.037 |
| 0.942 | -0.012 | 0.955 | -0.012 | 0.967 | -0.012 | 0.978 | -0.011 | 3.009 | 0.007 | 3.047 | 0.030 | 3.058 | -0.004 | 3.074 | -0.017 |
| 0.991 | 0.011 | 1.007 | 0.011 | 1.019 | -0.012 | 1.031 | 0.012 | 3.086 | -0.004 | 3.095 | -0.037 | 3.109 | -0.057 | 3.123 | -0.037 |
| 1.041 | -0.001 | 1.054 | -0.028 | 1.066 | -0.054 | 1.077 | -0.054 | 3.135 | -0.016 | 3.150 | -0.050 | 3.161 | -0.004 | 3.175 | -0.038 |
| 1.090 | -0.054 | 1.097 | -0.000 | 1.111 | -0.007 | 1.123 | -0.026 | 3.189 | -0.011 | 3.201 | -0.022 | 3.211 | -0.062 | 3.226 | -0.088 |
| 1.134 | -0.026 | 1.147 | -0.025 | 1.160 | -0.052 | 1.172 | -0.018 | 3.240 | -0.075 | 3.253 | -0.055 | 3.263 | -0.101 | 3.276 | -0.141 |
| 1.183 | -0.016 | 1.195 | -0.036 | 1.208 | -0.050 | 1.224 | 0.050 | 3.287 | -0.134 | 3.298 | -0.074 | 3.313 | -0.047 | 3.324 | -0.060 |
| 1.234 | -0.017 | 1.249 | -0.004 | 1.260 | -0.018 | 1.274 | 0.059 | 3.342 | -0.074 | 3.352 | -0.037 | 3.366 | 0.040 | 3.386 | -0.087 |
| 1.284 | 0.067 | 1.297 | 0.047 | 1.306 | 0.001 | 1.314 | -0.046 | 3.414 | 0.107 | 3.417 | 0.108 | 3.433 | 0.101 | 3.448 | -0.054 |
| 1.324 | -0.072 | 1.339 | -0.064 | 1.351 | -0.037 | 1.363 | -0.003 | 3.457 | -0.019 | 3.471 | -0.066 | 3.483 | -0.052 | 3.499 | -0.052 |
| 1.376 | -0.025 | 1.389 | -0.015 | 1.405 | -0.021 | 1.419 | -0.013 | 3.508 | -0.066 | 3.520 | -0.112 | 3.534 | -0.126 | 3.549 | -0.099 |
| 1.435 | -0.039 | 1.451 | -0.032 | 1.465 | -0.031 | 1.478 | -0.037 | 3.561 | -0.045 | 3.572 | 0.029 | 3.588 | 0.075 | 3.600 | -0.076 |
| 1.490 | -0.003 | 1.503 | -0.002 | 1.514 | -0.022 | 1.524 | -0.022 | 3.613 | 0.076 | 3.627 | 0.076 | 3.641 | 0.076 | 3.654 | -0.044 |
| 1.535 | -0.021 | 1.546 | -0.020 | 1.559 | -0.007 | 1.571 | -0.081 | 3.667 | 0.009 | 3.680 | 0.009 | 3.691 | 0.023 | 3.707 | -0.003 |
| 1.583 | 0.035 | 1.601 | -0.015 | 1.614 | -0.003 | 1.627 | -0.003 | 3.721 | -0.017 | 3.734 | -0.017 | 3.748 | -0.017 | 3.762 | -0.016 |
| 1.639 | 0.004 | 1.650 | -0.011 | 1.662 | -0.018 | 1.678 | 0.005 | 3.776 | -0.016 | 3.789 | -0.016 | 3.802 | -0.016 | 3.815 | -0.015 |
| 1.691 | 0.012 | 1.705 | -0.001 | 1.719 | -0.054 | 1.733 | -0.034 | 3.827 | -0.002 | 3.841 | -0.012 | 3.857 | -0.025 | 3.869 | -0.032 |
| 1.746 | 0.026 | 1.759 | -0.033 | 1.772 | 0.013 | 1.787 | 0.000 | 3.883 | 0.012 | 3.897 | 0.013 | 3.909 | 0.053 | 3.922 | -0.100 |
| 1.801 | -0.020 | 1.814 | -0.006 | 1.828 | -0.027 | 1.842 | 0.034 | 3.935 | -0.093 | 3.954 | -0.047 | 3.964 | -0.013 | 3.974 | -0.067 |
| 1.855 | 0.015 | 1.870 | -0.015 | 1.886 | 0.001 | 1.900 | -0.005 | 3.979 | -0.093 | 3.992 | -0.067 | 4.004 | -0.013 | 4.014 | -0.067 |
| 1.914 | 0.015 | 1.928 | -0.015 | 1.944 | -0.022 | 1.957 | -0.025 | 4.027 | 0.101 | 4.037 | 0.061 | 4.050 | -0.041 | 4.066 | -0.014 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 4.075 | -0.006 | 4.093 | -0.006 | 4.106 | 0.021 | 4.118 | 0.041 | 6.849 | -0.525 | 6.861 | -0.424 | 6.873 | -0.256 | 6.881 | -0.081 |
| 4.132 | 0.041 | 4.143 | 0.008 | 4.152 | -0.046 | 4.163 | -0.079 | 6.854 | 0.054 | 6.865 | 0.061 | 6.876 | 0.049 | 6.887 | 0.091 |
| 4.174 | -0.079 | 4.188 | 0.046 | 4.202 | -0.025 | 4.214 | -0.005 | 6.892 | 0.171 | 6.905 | 0.279 | 6.917 | 0.307 | 6.934 | 0.248 |
| 4.223 | 0.008 | 4.234 | -0.032 | 4.246 | -0.072 | 4.262 | -0.072 | 6.954 | 0.208 | 6.967 | 0.230 | 7.008 | 0.264 | 7.016 | 0.278 |
| 4.275 | -0.039 | 4.289 | 0.019 | 4.305 | 0.028 | 4.315 | 0.068 | 7.025 | 0.192 | 7.037 | 0.259 | 7.053 | 0.247 | 7.062 | 0.267 |
| 4.328 | 0.108 | 4.338 | 0.075 | 4.347 | 0.028 | 4.359 | -0.012 | 7.075 | 0.109 | 7.090 | 0.124 | 7.102 | 0.352 | 7.113 | 0.352 |
| 4.373 | -0.039 | 4.389 | -0.012 | 4.400 | 0.015 | 4.412 | 0.015 | 7.129 | 0.467 | 7.140 | 0.501 | 7.149 | 0.415 | 7.161 | 0.456 |
| 4.423 | 0.015 | 4.437 | 0.015 | 4.448 | -0.012 | 4.457 | 0.046 | 7.177 | 0.130 | 7.185 | 0.130 | 7.201 | 0.132 | 7.210 | 0.132 |
| 4.470 | -0.079 | 4.485 | -0.079 | 4.498 | -0.106 | 4.513 | -0.139 | 7.225 | 0.073 | 7.235 | 0.035 | 7.251 | 0.068 | 7.263 | 0.129 |
| 4.524 | -0.146 | 4.542 | -0.106 | 4.550 | -0.106 | 4.559 | -0.079 | 7.277 | 0.157 | 7.289 | 0.105 | 7.304 | 0.112 | 7.320 | 0.201 |
| 4.568 | -0.019 | 4.582 | 0.028 | 4.593 | 0.028 | 4.611 | 0.028 | 7.331 | 0.248 | 7.341 | 0.269 | 7.351 | 0.233 | 7.363 | 0.164 |
| 4.622 | 0.061 | 4.635 | 0.115 | 4.645 | 0.095 | 4.658 | 0.061 | 7.375 | 0.131 | 7.388 | 0.167 | 7.404 | 0.167 | 7.416 | 0.108 |
| 4.671 | 0.041 | 4.683 | 0.041 | 4.697 | 0.028 | 4.705 | 0.001 | 7.428 | 0.035 | 7.440 | -0.031 | 7.456 | -0.049 | 7.469 | -0.035 |
| 4.717 | -0.059 | 4.730 | -0.119 | 4.742 | -0.153 | 4.756 | -0.173 | 7.479 | 0.088 | 7.494 | -0.160 | 7.504 | -0.132 | 7.519 | -0.044 |
| 4.768 | -0.126 | 4.782 | -0.079 | 4.796 | -0.038 | 4.812 | -0.018 | 7.537 | 0.004 | 7.549 | -0.015 | 7.564 | -0.013 | 7.577 | 0.101 |
| 4.825 | -0.018 | 4.834 | 0.029 | 4.851 | 0.089 | 4.862 | 0.089 | 7.588 | 0.223 | 7.600 | 0.418 | 7.611 | 0.559 | 7.618 | 0.600 |
| 4.877 | 0.062 | 4.895 | 0.022 | 4.910 | 0.009 | 4.928 | -0.011 | 7.629 | 0.540 | 7.637 | 0.401 | 7.650 | 0.174 | 7.659 | 0.041 |
| 4.945 | -0.031 | 4.958 | -0.044 | 4.968 | -0.044 | 4.978 | 0.017 | 7.670 | 0.052 | 7.682 | -0.131 | 7.692 | -0.250 | 7.703 | -0.330 |
| 4.992 | 0.050 | 5.005 | 0.051 | 5.020 | 0.078 | 5.034 | 0.125 | 7.717 | -0.369 | 7.724 | -0.368 | 7.733 | -0.301 | 7.745 | -0.133 |
| 5.053 | 0.165 | 5.060 | 0.152 | 5.076 | 0.152 | 5.089 | 0.152 | 7.752 | 0.021 | 7.764 | 0.203 | 7.773 | 0.291 | 7.785 | 0.298 |
| 5.101 | 0.139 | 5.112 | 0.066 | 5.123 | -0.034 | 5.134 | -0.094 | 7.795 | 0.225 | 7.804 | 0.075 | 7.815 | -0.041 | 7.825 | -0.153 |
| 5.148 | -0.168 | 5.162 | -0.127 | 5.172 | -0.114 | 5.186 | -0.107 | 7.835 | -0.146 | 7.845 | -0.032 | 7.857 | 0.116 | 7.865 | 0.157 |
| 5.158 | -0.120 | 5.213 | -0.094 | 5.229 | -0.047 | 5.245 | 0.020 | 7.875 | -0.057 | 7.889 | -0.037 | 7.896 | -0.510 | 7.919 | -0.642 |
| 5.259 | 0.067 | 5.278 | 0.114 | 5.292 | 0.134 | 5.307 | 0.155 | 7.921 | -0.595 | 7.933 | -0.474 | 7.942 | -0.327 | 7.952 | -0.259 |
| 5.319 | 0.115 | 5.331 | 0.068 | 5.344 | 0.075 | 5.363 | 0.081 | 7.957 | -0.265 | 7.974 | -0.021 | 7.987 | -0.364 | 7.995 | -0.257 |
| 5.374 | 0.048 | 5.386 | -0.012 | 5.399 | -0.052 | 5.411 | -0.052 | 8.005 | -0.189 | 8.017 | -0.021 | 8.028 | 0.060 | 8.036 | 0.080 |
| 5.422 | -0.032 | 5.432 | -0.005 | 5.443 | 0.015 | 5.452 | -0.032 | 8.048 | 0.047 | 8.057 | -0.022 | 8.069 | -0.125 | 8.077 | -0.185 |
| 5.467 | -0.118 | 5.481 | -0.172 | 5.493 | -0.125 | 5.505 | -0.018 | 8.090 | 0.166 | 8.102 | -0.163 | 8.112 | -0.109 | 8.122 | 0.072 |
| 5.525 | 0.016 | 5.540 | 0.049 | 5.555 | 0.076 | 5.568 | 0.050 | 8.131 | 0.214 | 8.149 | 0.294 | 8.158 | 0.391 | 8.161 | 0.282 |
| 5.583 | 0.050 | 5.593 | 0.090 | 5.607 | 0.130 | 5.621 | 0.130 | 8.176 | 0.276 | 8.189 | 0.330 | 8.198 | 0.391 | 8.209 | 0.412 |
| 5.631 | 0.090 | 5.640 | 0.030 | 5.648 | -0.023 | 5.660 | -0.050 | 8.221 | 0.406 | 8.233 | 0.366 | 8.243 | 0.133 | 8.251 | 0.053 |
| 5.669 | -0.036 | 5.682 | 0.038 | 5.693 | 0.078 | 5.705 | 0.071 | 8.263 | 0.007 | 8.274 | 0.011 | 8.285 | 0.042 | 8.297 | 0.016 |
| 5.719 | 0.032 | 5.729 | -0.022 | 5.743 | -0.028 | 5.754 | -0.008 | 8.305 | -0.091 | 8.322 | -0.183 | 8.330 | -0.136 | 8.344 | -0.035 |
| 5.765 | -0.001 | 5.775 | -0.041 | 5.787 | -0.135 | 5.800 | -0.208 | 8.356 | 0.046 | 8.365 | 0.080 | 8.377 | -0.034 | 8.387 | -0.046 |
| 5.810 | -0.174 | 5.820 | -0.121 | 5.833 | -0.120 | 5.843 | -0.140 | 8.400 | -0.132 | 8.415 | -0.158 | 8.422 | -0.238 | 8.433 | -0.270 |
| 5.855 | -0.107 | 5.868 | -0.053 | 5.880 | -0.013 | 5.894 | 0.008 | 8.443 | -0.223 | 8.454 | -0.122 | 8.465 | 0.026 | 8.474 | 0.153 |
| 5.906 | -0.026 | 5.917 | -0.039 | 5.925 | 0.008 | 5.937 | 0.082 | 8.486 | 0.221 | 8.496 | 0.214 | 8.505 | 0.148 | 8.515 | 0.068 |
| 5.948 | 0.116 | 5.960 | 0.109 | 5.970 | 0.076 | 5.980 | 0.016 | 8.527 | 0.049 | 8.540 | 0.063 | 8.552 | 0.130 | 8.566 | 0.164 |
| 5.995 | -0.010 | 6.005 | 0.003 | 6.018 | 0.050 | 6.032 | 0.057 | 8.580 | 0.219 | 8.593 | 0.326 | 8.606 | 0.400 | 8.618 | 0.421 |
| 6.043 | 0.038 | 6.056 | 0.045 | 6.069 | 0.072 | 6.081 | 0.065 | 8.631 | 0.382 | 8.640 | 0.402 | 8.655 | 0.476 | 8.666 | 0.477 |
| 6.090 | -0.041 | 6.099 | -0.148 | 6.118 | -0.201 | 6.123 | -0.168 | 8.679 | 0.437 | 8.692 | 0.391 | 8.703 | 0.425 | 8.716 | 0.433 |
| 6.136 | -0.094 | 6.147 | -0.053 | 6.158 | -0.026 | 6.170 | -0.059 | 8.726 | 0.373 | 8.738 | 0.260 | 8.749 | 0.268 | 8.763 | 0.328 |
| 6.182 | -0.113 | 6.194 | -0.139 | 6.205 | -0.105 | 6.217 | -0.024 | 8.776 | 0.396 | 8.792 | 0.457 | 8.802 | 0.491 | 8.810 | 0.431 |
| 6.229 | -0.004 | 6.244 | 0.011 | 6.253 | 0.065 | 6.266 | 0.119 | 8.829 | 0.392 | 8.840 | 0.440 | 8.850 | 0.500 | 8.868 | 0.421 |
| 6.277 | 0.133 | 6.291 | 0.173 | 6.303 | 0.147 | 6.314 | 0.094 | 8.877 | 0.355 | 8.882 | 0.269 | 8.908 | 0.189 | 8.922 | 0.130 |
| 6.326 | 0.162 | 6.339 | 0.296 | 6.350 | 0.357 | 6.361 | 0.471 | 8.936 | 0.117 | 8.945 | 0.064 | 8.956 | -0.036 | 8.968 | -0.209 |
| 6.373 | 0.498 | 6.386 | 0.479 | 6.397 | 0.379 | 6.408 | 0.233 | 8.984 | -0.362 | 8.996 | -0.375 | 9.010 | -0.334 | 9.023 | -0.213 |
| 6.420 | 0.107 | 6.430 | 0.074 | 6.445 | 0.109 | 6.461 | 0.144 | 9.035 | -0.052 | 9.045 | 0.162 | 9.056 | 0.330 | 9.066 | 0.444 |
| 6.475 | 0.205 | 6.494 | 0.227 | 6.505 | 0.241 | 6.524 | 0.262 | 9.077 | 0.545 | 9.090 | 0.566 | 9.103 | 0.546 | 9.115 | 0.526 |
| 6.537 | 0.263 | 6.550 | 0.244 | 6.562 | 0.172 | 6.574 | 0.052 | 9.129 | 0.447 | 9.143 | 0.260 | 9.156 | 0.073 | 9.170 | -0.127 |
| 6.585 | -0.020 | 6.603 | -0.066 | 6.617 | -0.146 | 6.637 | -0.292 | 9.181 | -0.281 | 9.195 | -0.568 | 9.212 | -0.775 | 9.226 | -1.009 |
| 6.630 | -0.444 | 6.638 | -0.537 | 6.649 | -0.576 | 6.659 | -0.529 | 9.241 | -1.222 | 9.255 | -1.316 | 9.271 | -1.429 | 9.284 | -1.428 |
| 6.673 | -0.454 | 6.688 | -0.392 | 6.701 | -0.351 | 6.710 | -0.384 | 9.297 | -1.314 | 9.310 | -1.133 | 9.323 | -0.966 | 9.333 | -0.672 |
| 6.720 | -0.430 | 6.733 | -0.422 | 6.742 | -0.307 | 6.750 | -0.159 | 9.344 | -0.397 | 9.355 | -0.038 | 9.366 | 0.018 | 9.378 | 0.098 |
| 6.759 | -0.012 | 6.768 | 0.063 | 6.780 | 0.057 | 6.792 | -0.089 | 9.391 | 0.079 | 9.405 | -0.028 | 9.421 | -0.155 | 9.435 | -0.241 |
| 6.803 | -0.262 | 6.813 | -0.428 | 6.823 | -0.534 | 6.836 | -0.560 | 9.450 | -0.348 | 9.467 | -0.441 | 9.479 | -0.481 | 9.493 | -0.420 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9.503 | -C.280 | 9.514 | 0.008 | 9.532 | 0.296 | 9.545 | 0.390 | 12.316 | -0.534 | 12.330 | -C.474 | 12.344 | -0.306 | 12.350 | -C.112 |
| 9.564 | 0.431 | 9.573 | 0.391 | 9.584 | 0.297 | 9.592 | 0.197 | 12.361 | C.069 | 12.379 | 0.276 | 12.386 | 0.350 | 12.398 | C.363 |
| 9.613 | 0.131 | 9.617 | 0.131 | 9.631 | 0.138 | 9.645 | 0.139 | 12.410 | C.216 | 12.424 | C.036 | 12.437 | -C.084 | 12.458 | -C.104 |
| 9.656 | 0.179 | 9.670 | 0.280 | 9.681 | 0.313 | 9.690 | 0.206 | 12.468 | -0.050 | 12.482 | 0.111 | 12.497 | C.198 | 12.510 | C.299 |
| 9.699 | 0.093 | 9.709 | 0.046 | 9.717 | 0.127 | 9.725 | 0.274 | 12.518 | C.306 | 12.531 | C.029 | 12.551 | C.166 | 12.568 | C.253 |
| 9.736 | 0.401 | 9.746 | 0.542 | 9.760 | 0.583 | 9.773 | 0.556 | 12.572 | C.367 | 12.581 | C.461 | 12.591 | C.555 | 12.609 | C.662 |
| 9.791 | 0.436 | 9.799 | 0.403 | 9.812 | 0.243 | 9.822 | 0.096 | 12.621 | C.662 | 12.632 | C.576 | 12.648 | C.489 | 12.669 | C.530 |
| 9.833 | -0.017 | 9.846 | -0.111 | 9.861 | -0.197 | 9.876 | -0.317 | 12.681 | C.477 | 12.696 | C.411 | 12.708 | C.451 | 12.719 | 0.518 |
| 9.886 | -0.431 | 9.900 | -0.564 | 9.909 | -0.637 | 9.921 | -0.644 | 12.730 | C.586 | 12.741 | C.666 | 12.753 | C.586 | 12.767 | C.527 |
| 9.933 | -0.543 | 9.943 | -0.409 | 9.955 | -0.181 | 9.972 | 0.027 | 12.773 | 0.373 | 12.784 | 0.240 | 12.791 | 0.187 | 12.799 | 0.174 |
| 9.992 | 0.242 | 10.007 | 0.357 | 10.027 | 0.458 | 10.042 | 0.580 | 12.811 | C.114 | 12.827 | C.181 | 12.842 | 0.148 | 12.856 | C.082 |
| 10.038 | 0.539 | 10.048 | 0.532 | 10.061 | 0.419 | 10.073 | 0.259 | 12.873 | 0.076 | 12.889 | 0.076 | 12.901 | 0.036 | 12.914 | -C.017 |
| 10.082 | 0.133 | 10.093 | 0.113 | 10.106 | 0.181 | 10.116 | 0.255 | 12.930 | 0.024 | 12.942 | C.111 | 12.955 | C.192 | 12.966 | 0.245 |
| 10.128 | 0.322 | 10.138 | 0.343 | 10.148 | 0.257 | 10.165 | 0.117 | 12.981 | C.293 | 12.992 | C.259 | 13.006 | C.213 | 13.022 | 0.140 |
| 10.176 | -0.002 | 10.188 | -0.162 | 10.201 | -0.248 | 10.211 | -0.214 | 13.039 | C.127 | 13.053 | 0.047 | 13.068 | C.148 | 13.085 | C.115 |
| 10.223 | -0.033 | 10.233 | -0.148 | 10.242 | 0.262 | 10.252 | 0.303 | 13.099 | C.062 | 13.109 | 0.002 | 13.121 | -C.078 | 13.132 | -C.145 |
| 10.261 | 0.236 | 10.272 | -0.030 | 10.281 | -0.243 | 10.293 | -0.450 | 13.148 | -C.225 | 13.158 | -0.251 | 13.170 | -C.351 | 13.183 | -C.358 |
| 10.303 | -0.543 | 10.311 | -0.522 | 10.320 | -0.408 | 10.331 | -0.240 | 13.195 | -C.168 | 13.203 | -0.290 | 13.215 | -0.203 | 13.227 | -C.129 |
| 10.343 | -0.179 | 10.356 | -0.212 | 10.369 | -0.272 | 10.383 | -0.318 | 13.241 | -C.168 | 13.255 | -0.055 | 13.272 | -0.041 | 13.284 | 0.033 |
| 10.394 | -0.217 | 10.402 | -0.036 | 10.416 | 0.239 | 10.426 | 0.407 | 13.298 | 0.121 | 13.312 | 0.168 | 13.330 | C.195 | 13.346 | C.189 |
| 10.436 | 0.467 | 10.448 | 0.421 | 10.456 | 0.295 | 10.465 | 0.148 | 13.364 | C.136 | 13.374 | 0.076 | 13.385 | C.023 | 13.396 | -C.070 |
| 10.478 | 0.022 | 10.494 | 0.016 | 10.507 | 0.090 | 10.517 | 0.224 | 13.409 | -C.184 | 13.420 | -C.230 | 13.436 | -C.229 | 13.447 | -C.189 |
| 10.534 | 0.433 | 10.539 | 0.620 | 10.550 | 0.721 | 10.562 | 0.742 | 13.460 | -0.095 | 13.472 | 0.013 | 13.483 | C.100 | 13.497 | C.141 |
| 10.574 | 0.582 | 10.585 | 0.301 | 10.599 | 0.068 | 10.611 | -0.092 | 13.517 | 0.195 | 13.537 | 0.216 | 13.553 | C.263 | 13.570 | C.270 |
| 10.627 | -0.151 | 10.646 | -0.197 | 10.653 | -0.331 | 10.665 | -0.470 | 13.581 | C.231 | 13.594 | C.124 | 13.605 | C.051 | 13.615 | C.011 |
| 10.677 | -0.570 | 10.691 | -0.549 | 10.703 | -0.495 | 10.717 | -0.401 | 13.626 | C.032 | 13.639 | C.099 | 13.648 | C.193 | 13.661 | C.267 |
| 10.730 | -0.253 | 10.739 | -0.059 | 10.750 | 0.095 | 10.761 | 0.243 | 13.674 | C.254 | 13.685 | C.368 | 13.704 | C.341 | 13.719 | C.355 |
| 10.772 | 0.190 | 10.790 | 0.003 | 10.799 | -0.023 | 10.807 | -0.190 | 13.730 | 0.422 | 13.742 | C.502 | 13.755 | C.583 | 13.771 | C.603 |
| 10.824 | -0.209 | 10.832 | -0.155 | 10.848 | -0.107 | 10.864 | -0.099 | 13.785 | C.616 | 13.795 | C.550 | 13.805 | C.423 | 13.815 | C.236 |
| 10.877 | -0.159 | 10.885 | -0.225 | 10.897 | -0.312 | 10.909 | -0.391 | 13.826 | C.609 | 13.835 | -C.032 | 13.849 | -C.072 | 13.863 | -C.071 |
| 10.926 | -0.444 | 10.940 | -0.423 | 10.954 | -0.402 | 10.969 | -0.441 | 13.880 | -0.011 | 13.896 | -0.071 | 13.914 | -C.098 | 13.930 | -C.097 |
| 10.981 | -0.474 | 10.994 | -C.493 | 11.009 | -0.546 | 11.019 | -0.646 | 13.947 | -C.131 | 13.962 | -C.144 | 13.977 | -C.163 | 13.995 | -C.150 |
| 11.031 | -C.739 | 11.045 | -C.839 | 11.059 | -0.958 | 11.074 | -1.011 | 14.007 | -C.069 | 14.022 | C.011 | 14.035 | C.099 | 14.049 | C.192 |
| 11.082 | -0.571 | 11.095 | -0.823 | 11.107 | -0.655 | 11.118 | -0.554 | 14.064 | 0.253 | 14.080 | C.323 | 14.094 | C.421 | 14.108 | C.508 |
| 11.129 | -0.460 | 11.136 | -0.420 | 11.154 | -0.412 | 11.168 | -0.412 | 14.122 | C.542 | 14.136 | C.589 | 14.153 | C.649 | 14.167 | C.709 |
| 11.179 | -0.364 | 11.192 | -0.263 | 11.203 | -0.196 | 11.220 | -0.122 | 14.182 | C.737 | 14.197 | 0.723 | 14.212 | C.690 | 14.223 | C.650 |
| 11.240 | -0.042 | 11.256 | 0.046 | 11.271 | 0.099 | 11.284 | 0.073 | 14.237 | 0.584 | 14.248 | 0.510 | 14.258 | C.077 | 14.270 | C.377 |
| 11.256 | -0.001 | 11.309 | -0.061 | 11.324 | -0.114 | 11.345 | -0.167 | 14.280 | C.254 | 14.292 | C.164 | 14.305 | C.077 | 14.316 | C.044 |
| 11.355 | -0.107 | 11.366 | 0.001 | 11.376 | 0.101 | 11.389 | 0.215 | 14.328 | C.077 | 14.342 | C.058 | 14.359 | C.058 | 14.372 | -C.022 |
| 11.400 | 0.416 | 11.413 | 0.349 | 11.426 | 0.443 | 11.440 | C.536 | 14.387 | -C.049 | 14.403 | -0.089 | 14.420 | -0.055 | 14.437 | -C.048 |
| 11.456 | 0.576 | 11.467 | 0.583 | 11.482 | 0.583 | 11.495 | 0.590 | 14.451 | -C.014 | 14.464 | -C.027 | 14.474 | -C.074 | 14.490 | -C.120 |
| 11.511 | 0.469 | 11.520 | 0.356 | 11.540 | 0.356 | 11.551 | 0.282 | 14.505 | -C.153 | 14.515 | -C.167 | 14.533 | -C.153 | 14.545 | -C.093 |
| 11.566 | 0.235 | 11.579 | 0.289 | 11.595 | 0.309 | 11.607 | 0.235 | 14.556 | 0.045 | 14.576 | -C.018 | 14.591 | C.042 | 14.611 | C.103 |
| 11.623 | 0.128 | 11.636 | 0.068 | 11.650 | 0.048 | 11.665 | 0.047 | 14.628 | 0.123 | 14.644 | C.117 | 14.664 | C.117 | 14.683 | C.104 |
| 11.676 | -0.026 | 11.689 | -0.160 | 11.707 | -0.334 | 11.716 | -0.394 | 14.702 | 0.105 | 14.712 | C.052 | 14.736 | C.052 | 14.751 | -C.021 |
| 11.729 | -0.354 | 11.743 | -0.227 | 11.756 | -0.140 | 11.771 | -0.080 | 14.765 | -0.108 | 14.775 | -C.168 | 14.794 | -C.201 | 14.808 | -C.181 |
| 11.787 | -0.020 | 11.808 | 0.040 | 11.823 | 0.073 | 11.836 | 0.093 | 14.823 | -0.120 | 14.837 | -0.073 | 14.852 | -C.060 | 14.868 | -C.113 |
| 11.853 | 0.180 | 11.866 | 0.293 | 11.879 | 0.434 | 11.893 | 0.547 | 14.881 | -C.180 | 14.895 | -C.247 | 14.908 | -C.313 | 14.922 | -C.387 |
| 11.902 | 0.607 | 11.924 | 0.661 | 11.929 | 0.620 | 11.943 | 0.560 | 14.933 | -C.447 | 14.947 | -C.460 | 14.965 | -C.473 | 14.981 | -C.473 |
| 11.956 | 0.533 | 11.969 | 0.386 | 11.982 | 0.172 | 11.997 | -0.035 | 14.955 | -0.446 | 15.012 | -0.345 | 15.029 | -C.272 | 15.046 | -C.205 |
| 12.005 | -0.283 | 12.018 | -0.544 | 12.031 | -0.824 | 12.046 | -0.978 | 15.072 | -0.137 | 15.089 | -C.104 | 15.105 | -C.150 | 15.125 | -C.210 |
| 12.061 | -1.005 | 12.071 | -0.904 | 12.078 | -0.791 | 12.091 | -0.690 | 15.140 | -C.276 | 15.152 | -C.356 | 15.172 | -C.403 | 15.191 | -C.395 |
| 12.104 | -0.663 | 12.117 | -0.777 | 12.125 | -0.884 | 12.138 | -0.864 | 15.209 | -0.375 | 15.228 | -0.368 | 15.243 | -C.375 | 15.259 | -C.354 |
| 12.146 | -0.830 | 12.159 | -0.730 | 12.173 | -0.643 | 12.188 | -0.549 | 15.276 | -C.334 | 15.290 | -C.260 | 15.307 | -C.166 | 15.323 | -C.059 |
| 12.200 | -0.562 | 12.215 | -0.562 | 12.227 | -0.549 | 12.241 | -0.495 | 15.339 | 0.021 | 15.354 | 0.068 | 15.375 | 0.082 | 15.392 | C.056 |
| 12.254 | -0.482 | 12.272 | -0.488 | 12.284 | -0.481 | 12.300 | -0.494 | 15.414 | C.123 | 15.433 | 0.163 | 15.449 | 0.144 | 15.467 | 0.070 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 15.461 | C.030 | 15.498 | -0.016 | 15.516 | -0.016 | 15.532 | 0.058 | 19.048 | -G.C58 | 15.030 | -C.044 | 19.106 | -0.037 | 19.123 | -C.050 |
| 15.549 | -0.079 | 15.563 | 0.066 | 15.577 | -0.007 | 15.589 | -0.080 | 19.145 | -0.037 | 19.166 | -0.043 | 19.185 | -0.056 | 19.198 | -C.009 |
| 15.599 | -0.133 | 15.611 | 0.160 | 15.623 | -0.126 | 15.635 | -0.072 | 19.214 | C.038 | 19.230 | 0.106 | 19.245 | C.093 | 19.257 | C.053 |
| 15.662 | -0.058 | 15.669 | -0.051 | 15.682 | -0.097 | 15.689 | -0.143 | 19.271 | 0.013 | 19.285 | C.014 | 19.301 | 0.034 | 19.312 | 0.082 |
| 15.657 | -0.016 | 15.716 | -0.042 | 15.732 | -0.068 | 15.746 | -0.015 | 19.342 | C.143 | 19.360 | 0.183 | 19.376 | 0.244 | 19.392 | 0.285 |
| 15.777 | 0.059 | 15.777 | 0.059 | 15.796 | 0.100 | 15.811 | 0.180 | 19.406 | C.252 | 19.424 | 0.246 | 19.440 | 0.219 | 19.453 | 0.233 |
| 15.826 | 0.228 | 15.842 | 0.281 | 15.862 | 0.295 | 15.875 | 0.235 | 19.471 | 0.284 | 19.485 | 0.253 | 19.496 | 0.273 | 19.516 | C.240 |
| 15.892 | C.189 | 15.915 | 0.142 | 15.931 | 0.129 | 15.944 | C.149 | 19.527 | 0.234 | 19.539 | C.214 | 19.555 | C.308 | 19.568 | C.315 |
| 15.959 | C.176 | 15.976 | 0.103 | 15.993 | 0.023 | 16.013 | -0.024 | 19.580 | C.288 | 19.594 | 0.242 | 19.608 | C.188 | 19.622 | 0.162 |
| 16.034 | -0.037 | 16.057 | -0.050 | 16.081 | -0.069 | 16.100 | -0.069 | 19.659 | 0.162 | 19.654 | 0.142 | 19.668 | C.096 | 19.684 | C.043 |
| 16.118 | -0.049 | 16.137 | -0.035 | 16.156 | -0.074 | 16.175 | -0.127 | 19.767 | 0.078 | 19.785 | 0.065 | 19.804 | C.112 | 19.820 | C.079 |
| 16.155 | -0.186 | 16.212 | -0.239 | 16.230 | -0.252 | 16.245 | -0.231 | 19.835 | 0.032 | 19.853 | -0.014 | 19.868 | -0.013 | 19.880 | C.028 |
| 16.264 | -0.150 | 16.282 | -0.083 | 16.297 | -0.015 | 16.314 | -0.048 | 19.900 | C.089 | 19.916 | C.143 | 19.934 | 0.171 | 19.958 | C.172 |
| 16.330 | -0.114 | 16.346 | -0.200 | 16.363 | -0.253 | 16.380 | -0.279 | 19.975 | 0.186 | 19.990 | 0.174 | 20.008 | C.108 | 20.021 | C.082 |
| 16.399 | -0.325 | 16.414 | -0.371 | 16.432 | -0.403 | 16.447 | -0.403 | 20.040 | C.090 | 20.058 | 0.051 | 20.077 | C.058 | 20.091 | C.059 |
| 16.465 | -0.288 | 16.484 | -0.187 | 16.501 | -0.099 | 16.520 | -0.011 | 20.107 | C.071 | 20.125 | 0.061 | 20.138 | C.062 | 20.154 | C.022 |
| 16.535 | -0.056 | 16.560 | 0.171 | 16.578 | 0.212 | 16.599 | 0.173 | 20.172 | C.004 | 20.186 | 0.064 | 20.203 | C.066 | 20.215 | C.006 |
| 16.616 | 0.113 | 16.634 | 0.108 | 16.654 | 0.095 | 16.670 | 0.042 | 20.227 | -0.013 | 20.241 | -0.019 | 20.254 | C.022 | 20.270 | C.008 |
| 16.683 | -0.004 | 16.702 | -0.023 | 16.716 | -0.002 | 16.730 | 0.039 | 20.290 | C.045 | 20.305 | C.032 | 20.324 | C.033 | 20.339 | C.008 |
| 16.747 | 0.073 | 16.766 | 0.101 | 16.782 | 0.115 | 16.794 | C.089 | 20.354 | -0.045 | 20.365 | -0.071 | 20.384 | -C.110 | 20.402 | -C.129 |
| 16.809 | 0.049 | 16.823 | 0.017 | 16.842 | 0.024 | 16.860 | 0.039 | 20.420 | -0.115 | 20.435 | -0.134 | 20.449 | -0.173 | 20.466 | -C.206 |
| 16.879 | 0.080 | 16.896 | 0.094 | 16.914 | 0.115 | 16.932 | 0.143 | 20.482 | -C.158 | 20.492 | -C.137 | 20.514 | -C.116 | 20.534 | -C.122 |
| 16.947 | 0.157 | 16.961 | 0.117 | 16.973 | 0.051 | 16.993 | -0.015 | 20.548 | -0.148 | 20.566 | -0.187 | 20.583 | -C.192 | 20.598 | -C.158 |
| 17.006 | -0.021 | 17.019 | 0.013 | 17.033 | 0.040 | 17.048 | 0.068 | 20.608 | -C.111 | 20.623 | -C.076 | 20.640 | -C.089 | 20.658 | -C.128 |
| 17.065 | C.069 | 17.083 | 0.090 | 17.101 | 0.110 | 17.113 | 0.131 | 20.677 | -C.174 | 20.694 | -0.206 | 20.711 | -C.232 | 20.729 | -C.244 |
| 17.128 | 0.179 | 17.142 | 0.219 | 17.156 | 0.247 | 17.171 | 0.234 | 20.741 | -C.230 | 20.756 | -0.149 | 20.766 | -C.088 | 20.780 | -C.047 |
| 17.247 | 0.090 | 17.263 | 0.063 | 17.281 | 0.024 | 17.297 | 0.011 | 20.798 | C.086 | 20.815 | -C.052 | 20.829 | -C.045 | 20.844 | C.023 |
| 17.310 | -0.022 | 17.325 | -0.061 | 17.337 | -0.094 | 17.350 | -C.087 | 20.858 | 0.064 | 20.873 | 0.085 | 20.886 | C.045 | 20.901 | -C.037 |
| 17.366 | -0.086 | 17.380 | -0.039 | 17.399 | -0.018 | 17.419 | 0.017 | 20.913 | -C.060 | 20.928 | -0.073 | 20.943 | -C.065 | 20.958 | -C.051 |
| 17.431 | 0.017 | 17.446 | 0.024 | 17.464 | 0.052 | 17.481 | C.039 | 20.970 | -C.091 | 20.987 | -C.150 | 21.003 | -C.205 | 21.021 | -C.208 |
| 17.500 | 0.046 | 17.514 | 0.020 | 17.526 | -0.020 | 17.540 | -0.066 | 21.035 | -0.194 | 21.047 | -0.127 | 21.060 | -C.060 | 21.074 | -C.012 |
| 17.553 | -0.133 | 17.567 | -0.159 | 17.580 | -0.172 | 17.596 | -0.131 | 21.051 | C.049 | 21.166 | C.043 | 21.121 | C.017 | 21.140 | -C.009 |
| 17.615 | -0.097 | 17.635 | -0.070 | 17.651 | -0.043 | 17.664 | -0.103 | 21.158 | -0.035 | 21.171 | -0.041 | 21.187 | -C.054 | 21.199 | -C.047 |
| 17.677 | -0.162 | 17.690 | -0.235 | 17.703 | -0.262 | 17.717 | -0.221 | 21.220 | -C.039 | 21.236 | -0.038 | 21.251 | -C.058 | 21.265 | -C.070 |
| 17.732 | -0.181 | 17.754 | -0.140 | 17.772 | -0.120 | 17.789 | -0.133 | 21.280 | -C.070 | 21.296 | -0.049 | 21.312 | C.032 | 21.330 | 0.107 |
| 17.807 | -0.127 | 17.822 | -0.153 | 17.833 | -0.213 | 17.850 | -0.260 | 21.345 | C.148 | 21.364 | C.203 | 21.384 | C.204 | 21.401 | C.205 |
| 17.865 | -0.253 | 17.876 | -0.200 | 17.892 | -0.139 | 17.907 | -0.112 | 21.422 | C.179 | 21.440 | C.160 | 21.456 | C.101 | 21.475 | C.062 |
| 17.920 | -0.126 | 17.937 | -0.159 | 17.952 | -0.179 | 17.966 | -C.139 | 21.491 | 0.023 | 21.504 | C.023 | 21.520 | -0.042 | 21.536 | -C.047 |
| 17.983 | -0.078 | 17.999 | -0.005 | 18.014 | 0.015 | 18.029 | -0.011 | 21.555 | -0.059 | 21.571 | -0.058 | 21.588 | -0.037 | 21.606 | -0.016 |
| 18.043 | -0.038 | 18.056 | -0.051 | 18.077 | -0.037 | 18.092 | -0.037 | 21.617 | -C.062 | 21.633 | -C.021 | 21.648 | -0.047 | 21.668 | -0.046 |
| 18.106 | -0.050 | 18.123 | -0.070 | 18.137 | -0.069 | 18.160 | -0.062 | 21.683 | -C.039 | 21.701 | -C.038 | 21.714 | -C.030 | 21.730 | -C.009 |
| 18.172 | -0.041 | 18.184 | -0.007 | 18.201 | 0.054 | 18.214 | 0.074 | 21.740 | -C.002 | 21.753 | 0.045 | 21.769 | 0.086 | 21.787 | C.114 |
| 18.227 | C.068 | 18.243 | 0.048 | 18.262 | 0.043 | 18.277 | 0.043 | 21.804 | 0.142 | 21.815 | C.143 | 21.835 | C.143 | 21.855 | C.124 |
| 18.291 | 0.044 | 18.304 | 0.017 | 18.318 | -0.022 | 18.335 | -0.041 | 21.872 | C.105 | 21.884 | C.078 | 21.904 | C.052 | 21.921 | C.033 |
| 18.350 | -0.040 | 18.367 | -0.020 | 18.383 | 0.008 | 18.399 | 0.035 | 21.937 | 0.054 | 21.956 | C.061 | 21.976 | C.102 | 21.989 | C.176 |
| 18.418 | 0.070 | 18.432 | 0.077 | 18.445 | 0.051 | 18.460 | 0.005 | 22.005 | C.230 | 22.017 | C.257 | 22.034 | 0.264 | 22.051 | 0.258 |
| 18.477 | -0.022 | 18.495 | -0.008 | 18.513 | 0.053 | 18.531 | 0.066 | 22.068 | C.252 | 22.085 | C.213 | 22.097 | 0.147 | 22.115 | C.058 |
| 18.548 | 0.067 | 18.562 | 0.120 | 18.579 | 0.221 | 18.595 | 0.268 | 22.128 | C.055 | 22.143 | 0.042 | 22.157 | C.036 | 22.168 | 0.064 |
| 18.610 | C.269 | 18.630 | 0.282 | 18.649 | 0.269 | 18.661 | 0.289 | 22.187 | 0.118 | 22.200 | 0.166 | 22.219 | C.193 | 22.237 | C.154 |
| 18.678 | -0.269 | 18.690 | 0.215 | 18.704 | 0.162 | 18.718 | 0.108 | 22.254 | C.175 | 22.268 | 0.129 | 22.286 | C.090 | 22.301 | C.071 |
| 18.735 | 0.048 | 18.751 | -0.005 | 18.767 | -0.052 | 18.783 | -0.079 | 22.316 | 0.025 | 22.331 | -C.034 | 22.342 | -C.087 | 22.360 | -C.079 |
| 18.799 | -0.059 | 18.815 | -0.052 | 18.831 | -0.019 | 18.848 | -0.005 | 22.374 | -C.078 | 22.390 | -0.017 | 22.403 | -C.077 | 22.422 | -C.089 |
| 18.870 | -0.012 | 18.886 | 0.015 | 18.902 | 0.048 | 18.920 | 0.061 | 22.435 | -C.088 | 22.450 | -0.067 | 22.471 | -0.039 | 22.490 | -C.011 |
| 18.935 | 0.055 | 18.951 | 0.048 | 18.967 | 0.055 | 18.985 | 0.061 | 22.503 | -C.003 | 22.521 | -C.015 | 22.535 | -C.035 | 22.558 | -C.053 |
| 19.001 | 0.055 | 19.016 | 0.022 | 19.033 | -0.032 | 19.049 | -C.058 | 22.568 | -C.020 | 22.582 | 0.041 | 22.593 | C.095 | 22.611 | C.103 |

| | | | | | | | | | | | | | | | |
|--------|-------|--------|-------|--------|-------|---------|-------|---------|-------|--------|-------|--------|-------|--------|-------|
| 22.625 | 0.084 | 22.641 | 0.071 | 22.655 | 0.059 | 22.672 | 0.080 | 26.930 | 0.088 | 26.945 | 0.055 | 26.958 | 0.055 | 26.973 | 0.095 |
| 22.645 | 0.100 | 22.669 | 0.108 | 22.718 | 0.062 | 22.735 | 0.016 | 26.990 | 0.055 | 27.008 | 0.068 | 27.015 | 0.068 | 27.037 | 0.055 |
| 22.752 | 0.003 | 22.768 | 0.025 | 22.784 | 0.046 | 22.799 | 0.067 | 27.050 | 0.068 | 27.062 | 0.061 | 27.079 | 0.088 | 27.092 | 0.088 |
| 22.818 | 0.089 | 22.834 | 0.097 | 22.852 | 0.058 | 22.866 | 0.026 | 27.122 | 0.061 | 27.134 | 0.048 | 27.144 | 0.028 | 27.152 | 0.001 |
| 22.865 | 0.000 | 22.903 | 0.018 | 22.920 | 0.024 | 22.937 | 0.023 | 27.162 | 0.019 | 27.177 | 0.019 | 27.190 | 0.025 | 27.201 | 0.032 |
| 22.952 | 0.028 | 22.965 | 0.027 | 22.980 | 0.039 | 22.998 | 0.077 | 27.212 | 0.032 | 27.222 | 0.045 | 27.234 | 0.065 | 27.247 | 0.085 |
| 23.012 | 0.089 | 23.024 | 0.082 | 23.037 | 0.067 | 23.054 | 0.039 | 27.265 | 0.085 | 27.284 | 0.052 | 27.298 | 0.078 | 27.315 | 0.071 |
| 23.069 | 0.010 | 23.090 | 0.005 | 23.106 | 0.033 | 23.122 | 0.061 | 27.329 | 0.051 | 27.342 | 0.051 | 27.358 | 0.044 | 27.366 | 0.051 |
| 23.139 | 0.076 | 23.154 | 0.051 | 23.171 | 0.026 | 23.189 | 0.006 | 27.392 | 0.064 | 27.416 | 0.056 | 27.426 | 0.043 | 27.441 | 0.009 |
| 23.210 | 0.024 | 23.222 | 0.024 | 23.241 | 0.005 | 23.257 | 0.034 | 27.453 | 0.009 | 27.467 | 0.008 | 27.479 | 0.021 | 27.490 | 0.027 |
| 23.277 | 0.006 | 23.293 | 0.018 | 23.312 | 0.029 | 23.331 | 0.034 | 27.504 | 0.054 | 27.511 | 0.067 | 27.521 | 0.073 | 27.537 | 0.073 |
| 23.347 | 0.013 | 23.362 | 0.028 | 23.381 | 0.057 | 23.399 | 0.025 | 27.548 | 0.073 | 27.560 | 0.066 | 27.572 | 0.059 | 27.582 | 0.045 |
| 23.418 | 0.027 | 23.434 | 0.052 | 23.447 | 0.031 | 23.465 | 0.038 | 27.554 | 0.038 | 27.607 | 0.037 | 27.619 | 0.037 | 27.636 | 0.036 |
| 23.482 | 0.012 | 23.500 | 0.013 | 23.519 | 0.051 | 23.538 | 0.003 | 27.649 | 0.034 | 27.666 | 0.042 | 27.675 | 0.029 | 27.686 | 0.015 |
| 23.555 | 0.055 | 23.568 | 0.094 | 23.584 | 0.032 | 23.599 | 0.063 | 27.755 | 0.006 | 27.768 | 0.026 | 27.719 | 0.053 | 27.730 | 0.073 |
| 23.613 | 0.117 | 23.629 | 0.126 | 23.652 | 0.108 | 23.674 | 0.110 | 27.744 | 0.074 | 27.752 | 0.087 | 27.767 | 0.094 | 27.775 | 0.088 |
| 23.655 | 0.105 | 23.713 | 0.047 | 23.733 | 0.022 | 23.751 | 0.024 | 27.795 | 0.095 | 27.810 | 0.102 | 27.822 | 0.116 | 27.833 | 0.123 |
| 23.767 | 0.032 | 23.789 | 0.041 | 23.808 | 0.036 | 23.824 | 0.004 | 27.851 | 0.150 | 27.867 | 0.177 | 27.879 | 0.171 | 27.903 | 0.138 |
| 23.841 | 0.014 | 23.857 | 0.001 | 23.878 | 0.022 | 23.894 | 0.044 | 27.913 | 0.125 | 27.925 | 0.119 | 27.939 | 0.106 | 27.956 | 0.080 |
| 23.911 | 0.012 | 23.928 | 0.021 | 23.946 | 0.026 | 23.960 | 0.038 | 27.962 | 0.067 | 27.968 | 0.040 | 27.987 | 0.006 | 27.996 | 0.006 |
| 24.055 | 0.045 | 24.074 | 0.043 | 24.095 | 0.023 | 24.115 | 0.015 | 28.018 | 0.002 | 28.035 | 0.036 | 28.047 | 0.050 | 28.064 | 0.071 |
| 24.132 | 0.012 | 24.149 | 0.013 | 24.163 | 0.014 | 24.184 | 0.020 | 28.135 | 0.048 | 28.145 | 0.041 | 28.165 | 0.068 | 28.178 | 0.018 |
| 24.203 | 0.012 | 24.219 | 0.029 | 24.237 | 0.056 | 24.258 | 0.070 | 28.193 | 0.004 | 28.211 | 0.017 | 28.223 | 0.017 | 28.242 | 0.024 |
| 24.272 | 0.024 | 24.289 | 0.036 | 24.307 | 0.063 | 24.322 | 0.076 | 28.264 | 0.025 | 28.281 | 0.019 | 28.297 | 0.019 | 28.305 | 0.026 |
| 24.343 | 0.069 | 24.358 | 0.035 | 24.380 | 0.068 | 24.401 | 0.006 | 28.312 | 0.040 | 28.334 | 0.060 | 28.347 | 0.074 | 28.357 | 0.075 |
| 24.418 | 0.033 | 24.439 | 0.067 | 24.454 | 0.061 | 24.475 | 0.035 | 28.439 | 0.057 | 28.457 | 0.058 | 28.466 | 0.071 | 28.484 | 0.052 |
| 24.491 | 0.021 | 24.510 | 0.015 | 24.529 | 0.029 | 24.549 | 0.036 | 28.439 | 0.057 | 28.457 | 0.058 | 28.466 | 0.071 | 28.484 | 0.052 |
| 24.568 | 0.037 | 24.585 | 0.051 | 24.599 | 0.071 | 24.616 | 0.105 | 28.494 | 0.045 | 28.507 | 0.019 | 28.515 | 0.006 | 28.526 | 0.067 |
| 24.633 | 0.119 | 24.646 | 0.092 | 24.665 | 0.073 | 24.684 | 0.067 | 28.544 | 0.007 | 28.558 | 0.015 | 28.574 | 0.029 | 28.585 | 0.043 |
| 24.704 | 0.047 | 24.718 | 0.048 | 24.735 | 0.048 | 24.755 | 0.049 | 28.606 | 0.070 | 28.625 | 0.064 | 28.637 | 0.058 | 28.661 | 0.038 |
| 24.768 | 0.069 | 24.782 | 0.076 | 24.799 | 0.083 | 24.824 | 0.091 | 28.678 | 0.025 | 28.690 | 0.032 | 28.702 | 0.033 | 28.733 | 0.033 |
| 24.842 | 0.098 | 24.864 | 0.092 | 24.877 | 0.086 | 24.895 | 0.066 | 28.743 | 0.020 | 28.755 | 0.020 | 28.761 | 0.026 | 28.780 | 0.053 |
| 24.914 | 0.053 | 24.935 | 0.054 | 24.951 | 0.067 | 24.970 | 0.075 | 28.805 | 0.066 | 28.820 | 0.052 | 28.844 | 0.038 | 28.860 | 0.038 |
| 24.987 | 0.082 | 25.004 | 0.108 | 25.019 | 0.142 | 25.035 | 0.162 | 28.875 | 0.045 | 28.906 | 0.051 | 28.928 | 0.051 | 28.942 | 0.051 |
| 25.053 | 0.163 | 25.070 | 0.150 | 25.091 | 0.123 | 25.115 | 0.103 | 28.955 | 0.057 | 28.971 | 0.057 | 28.986 | 0.077 | 29.000 | 0.083 |
| 25.134 | 0.070 | 25.154 | 0.038 | 25.170 | 0.025 | 25.190 | 0.025 | 29.018 | 0.062 | 29.025 | 0.035 | 29.039 | 0.015 | 29.053 | 0.005 |
| 25.204 | 0.066 | 25.224 | 0.100 | 25.241 | 0.121 | 25.257 | 0.134 | 29.068 | 0.019 | 29.081 | 0.039 | 29.097 | 0.053 | 29.104 | 0.060 |
| 25.275 | 0.135 | 25.290 | 0.088 | 25.311 | 0.048 | *25.323 | 0.028 | 29.117 | 0.060 | 29.128 | 0.054 | 29.151 | 0.048 | 29.165 | 0.035 |
| 25.332 | 0.028 | 25.340 | 0.035 | 25.346 | 0.035 | 25.372 | 0.029 | 29.176 | 0.035 | 29.202 | 0.016 | 29.213 | 0.016 | 29.236 | 0.030 |
| 25.382 | 0.036 | 25.397 | 0.076 | 25.420 | 0.051 | 25.442 | 0.038 | 29.255 | 0.031 | 29.269 | 0.032 | 29.284 | 0.033 | 29.300 | 0.047 |
| 25.461 | 0.065 | 25.479 | 0.079 | 25.515 | 0.080 | 25.541 | 0.067 | 29.310 | 0.060 | 29.321 | 0.074 | 29.348 | 0.109 | 29.364 | 0.103 |
| 25.563 | 0.074 | 25.577 | 0.068 | 25.590 | 0.048 | 25.611 | 0.028 | 29.386 | 0.064 | 29.394 | 0.038 | 29.411 | 0.012 | 29.433 | 0.034 |
| 25.625 | 0.015 | 25.641 | 0.008 | 25.658 | 0.011 | 25.669 | 0.011 | 29.446 | 0.021 | 29.463 | 0.002 | 29.483 | 0.011 | 29.500 | 0.016 |
| 25.693 | 0.011 | 25.706 | 0.010 | 25.734 | 0.008 | 25.778 | 0.005 | 29.525 | 0.044 | 29.537 | 0.031 | 29.547 | 0.025 | 29.559 | 0.012 |
| 25.818 | 0.025 | 25.852 | 0.034 | 25.876 | 0.063 | 25.902 | 0.044 | 29.576 | 0.008 | 29.600 | 0.014 | 29.613 | 0.007 | 29.639 | 0.000 |
| 25.941 | 0.046 | 25.972 | 0.028 | 25.997 | 0.005 | 26.024 | 0.044 | 29.689 | 0.006 | 29.746 | 0.005 | 29.763 | 0.012 | 29.793 | 0.025 |
| 26.061 | 0.041 | 26.110 | 0.038 | 26.151 | 0.034 | 26.190 | 0.010 | 29.805 | 0.012 | 29.822 | 0.012 | 29.839 | 0.019 | 29.920 | 0.072 |
| 26.209 | 0.022 | 26.227 | 0.027 | 26.251 | 0.053 | 26.266 | 0.065 | 29.880 | 0.039 | 29.892 | 0.046 | 29.907 | 0.059 | 29.920 | 0.072 |
| 26.301 | 0.070 | 26.330 | 0.048 | 26.346 | 0.021 | 26.368 | 0.007 | 29.9548 | 0.079 | 29.964 | 0.065 | 29.980 | 0.065 | 30.008 | 0.071 |
| 26.387 | 0.006 | 26.430 | 0.001 | 26.468 | 0.001 | 26.490 | 0.018 | 30.025 | 0.071 | 30.047 | 0.071 | 30.071 | 0.071 | 30.084 | 0.071 |
| 26.515 | 0.045 | 26.535 | 0.025 | 26.566 | 0.011 | 26.584 | 0.023 | 30.109 | 0.083 | 30.144 | 0.062 | 30.152 | 0.049 | 30.165 | 0.035 |
| 26.558 | 0.037 | 26.619 | 0.037 | 26.640 | 0.024 | 26.664 | 0.038 | 30.187 | 0.001 | 30.202 | 0.013 | 30.219 | 0.014 | 30.246 | 0.014 |
| 26.687 | 0.072 | 26.708 | 0.040 | 26.731 | 0.033 | 26.749 | 0.027 | 30.261 | 0.015 | 30.273 | 0.015 | 30.287 | 0.015 | 30.299 | 0.029 |
| 26.789 | 0.021 | 26.823 | 0.021 | 26.844 | 0.021 | 26.867 | 0.028 | 30.311 | 0.030 | 30.325 | 0.050 | 30.353 | 0.037 | 30.365 | 0.018 |
| 26.882 | 0.035 | 26.893 | 0.055 | 26.906 | 0.088 | 26.918 | 0.095 | 30.376 | 0.002 | 30.387 | 0.022 | 30.398 | 0.021 | 30.414 | 0.021 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 30.429 | -0.007 | 30.425 | 0.014 | 30.469 | 0.021 | 30.487 | 0.008 | 33.684 | -0.038 | 33.699 | -0.037 | 33.712 | -0.037 | 33.728 | -0.017 |
| 30.504 | 0.008 | 30.530 | 0.016 | 30.551 | 0.023 | 30.572 | 0.030 | 33.759 | 0.017 | 33.778 | 0.017 | 33.798 | 0.018 | 33.818 | 0.018 |
| 30.599 | 0.051 | 30.618 | 0.055 | 30.636 | 0.060 | 30.660 | 0.040 | 33.851 | 0.059 | 33.882 | 0.066 | 33.953 | 0.066 | 33.965 | 0.060 |
| 30.684 | 0.055 | 30.657 | 0.069 | 30.726 | 0.090 | 30.746 | 0.104 | 33.918 | 0.033 | 33.931 | 0.033 | 33.953 | 0.033 | 33.965 | 0.033 |
| 30.781 | 0.092 | 30.794 | 0.086 | 30.827 | 0.026 | 30.846 | 0.027 | 33.979 | 0.054 | 33.997 | 0.061 | 34.030 | 0.041 | 34.050 | 0.054 |
| 30.870 | 0.034 | 30.903 | 0.035 | 30.924 | 0.021 | 30.959 | 0.001 | 34.073 | 0.055 | 34.087 | 0.061 | 34.114 | 0.061 | 34.133 | 0.061 |
| 30.981 | -0.012 | 31.003 | -0.025 | 31.042 | -0.012 | 31.059 | -0.005 | 34.149 | 0.061 | 34.164 | 0.061 | 34.187 | 0.061 | 34.206 | 0.061 |
| 31.088 | -0.012 | 31.108 | -0.012 | 31.127 | -0.012 | 31.143 | 0.008 | 34.217 | 0.035 | 34.237 | 0.028 | 34.256 | 0.021 | 34.275 | 0.035 |
| 31.157 | 0.008 | 31.186 | 0.041 | 31.201 | 0.048 | 31.214 | 0.035 | 34.298 | 0.048 | 34.314 | 0.048 | 34.337 | 0.069 | 34.354 | 0.069 |
| 31.227 | 0.021 | 31.238 | 0.008 | 31.256 | 0.035 | 31.267 | 0.041 | 34.365 | 0.069 | 34.373 | 0.076 | 34.384 | 0.076 | 34.393 | 0.076 |
| 31.278 | 0.041 | 31.290 | 0.035 | 31.310 | 0.035 | 31.341 | 0.008 | 34.395 | 0.069 | 34.412 | 0.069 | 34.435 | 0.056 | 34.455 | 0.056 |
| 31.356 | -0.005 | 31.368 | -0.005 | 31.411 | -0.005 | 31.441 | -0.005 | 34.468 | 0.023 | 34.482 | 0.010 | 34.493 | 0.010 | 34.499 | -0.010 |
| 31.456 | -0.005 | 31.468 | 0.008 | 31.489 | 0.035 | 31.499 | 0.048 | 34.518 | -0.016 | 34.531 | -0.049 | 34.547 | -0.042 | 34.585 | -0.021 |
| 31.518 | -0.005 | 31.525 | 0.062 | 31.539 | 0.082 | 31.553 | 0.089 | 34.605 | -0.021 | 34.624 | 0.007 | 34.634 | 0.007 | 34.655 | 0.020 |
| 31.563 | 0.089 | 31.573 | 0.076 | 31.585 | 0.062 | 31.613 | 0.056 | 34.671 | 0.014 | 34.710 | 0.001 | 34.728 | 0.012 | 34.733 | 0.039 |
| 31.621 | 0.063 | 31.634 | 0.070 | 31.645 | 0.077 | 31.662 | 0.077 | 34.760 | -0.039 | 34.774 | -0.025 | 34.797 | -0.018 | 34.812 | -0.012 |
| 31.672 | 0.077 | 31.679 | 0.077 | 31.688 | 0.071 | 31.701 | 0.071 | 34.825 | -0.011 | 34.846 | -0.011 | 34.867 | -0.011 | 34.880 | 0.044 |
| 31.728 | 0.078 | 31.740 | 0.078 | 31.750 | 0.079 | 31.758 | 0.072 | 34.891 | -0.004 | 34.905 | 0.016 | 34.930 | 0.037 | 34.947 | 0.044 |
| 31.766 | 0.066 | 31.779 | 0.066 | 31.788 | 0.059 | 31.799 | 0.040 | 34.963 | 0.044 | 34.980 | 0.044 | 34.996 | 0.051 | 35.008 | 0.058 |
| 31.806 | 0.040 | 31.812 | 0.040 | 31.817 | 0.027 | 31.825 | 0.012 | 35.027 | 0.045 | 35.053 | 0.053 | 35.072 | 0.046 | 35.092 | 0.047 |
| 31.833 | -0.013 | 31.838 | 0.006 | 31.847 | 0.006 | 31.855 | -0.013 | 35.111 | 0.047 | 35.130 | 0.047 | 35.173 | 0.055 | 35.188 | 0.049 |
| 31.863 | -0.025 | 31.870 | -0.025 | 31.882 | -0.025 | 31.886 | -0.025 | 35.207 | 0.036 | 35.222 | -0.023 | 35.252 | -0.003 | 35.265 | -0.009 |
| 31.893 | -0.024 | 31.901 | -0.031 | 31.909 | -0.037 | 31.919 | -0.044 | 35.282 | -0.029 | 35.310 | -0.021 | 35.329 | -0.020 | 35.352 | -0.012 |
| 31.925 | -0.044 | 31.931 | -0.050 | 31.944 | -0.050 | 31.949 | -0.049 | 35.374 | -0.011 | 35.414 | 0.004 | 35.430 | 0.025 | 35.448 | 0.019 |
| 31.956 | -0.056 | 31.966 | -0.056 | 31.978 | -0.048 | 31.985 | -0.048 | 35.456 | -0.013 | 35.465 | 0.007 | 35.478 | 0.012 | 35.491 | -0.025 |
| 31.994 | -0.048 | 32.004 | -0.047 | 32.011 | -0.047 | 32.022 | -0.053 | 35.506 | -0.038 | 35.531 | -0.050 | 35.544 | -0.042 | 35.556 | -0.042 |
| 32.032 | -0.053 | 32.042 | -0.059 | 32.054 | -0.058 | 32.068 | -0.058 | 35.565 | -0.028 | 35.586 | -0.014 | 35.598 | -0.013 | 35.612 | -0.013 |
| 32.084 | -0.057 | 32.094 | -0.056 | 32.113 | -0.055 | 32.123 | -0.062 | 35.623 | -0.006 | 35.643 | 0.015 | 35.659 | 0.029 | 35.672 | 0.029 |
| 32.130 | -0.068 | 32.137 | -0.075 | 32.145 | -0.074 | 32.151 | -0.081 | 35.689 | 0.044 | 35.697 | 0.057 | 35.711 | 0.078 | 35.722 | 0.072 |
| 32.157 | -0.087 | 32.163 | -0.107 | 32.171 | -0.107 | 32.180 | -0.107 | 35.740 | 0.039 | 35.761 | 0.027 | 35.781 | 0.015 | 35.802 | 0.023 |
| 32.189 | -0.059 | 32.197 | -0.099 | 32.205 | -0.079 | 32.218 | -0.065 | 35.816 | 0.024 | 35.832 | 0.024 | 35.861 | 0.033 | 35.868 | 0.040 |
| 32.223 | -0.051 | 32.243 | -0.051 | 32.257 | -0.050 | 32.267 | -0.036 | 35.896 | 0.048 | 35.917 | 0.042 | 35.932 | 0.037 | 35.956 | 0.032 |
| 32.277 | -0.036 | 32.292 | -0.035 | 32.305 | -0.034 | 32.311 | -0.021 | 35.971 | 0.033 | 36.002 | 0.015 | 36.014 | 0.016 | 36.033 | 0.017 |
| 32.312 | -0.021 | 32.329 | 0.000 | 32.334 | -0.020 | 32.335 | -0.026 | 36.037 | 0.018 | 36.052 | 0.019 | 36.078 | 0.000 | 36.104 | -0.011 |
| 32.353 | -0.032 | 32.364 | -0.038 | 32.365 | -0.045 | 32.390 | -0.057 | 36.122 | -0.010 | 36.148 | -0.008 | 36.173 | 0.013 | 36.186 | 0.014 |
| 32.403 | -0.049 | 32.420 | -0.048 | 32.421 | -0.048 | 32.429 | -0.048 | 36.205 | -0.005 | 36.223 | -0.010 | 36.242 | -0.002 | 36.258 | 0.019 |
| 32.441 | -0.040 | 32.451 | -0.006 | 32.466 | -0.012 | 32.486 | -0.024 | 36.283 | 0.028 | 36.303 | 0.022 | 36.323 | 0.017 | 36.339 | 0.018 |
| 32.507 | -0.023 | 32.517 | -0.023 | 32.533 | -0.022 | 32.550 | -0.022 | 36.363 | 0.006 | 36.392 | 0.001 | 36.413 | 0.016 | 36.429 | 0.037 |
| 32.564 | -0.021 | 32.579 | -0.021 | 32.593 | -0.021 | 32.605 | -0.014 | 36.447 | 0.038 | 36.466 | 0.032 | 36.487 | -0.014 | 36.515 | -0.019 |
| 32.612 | -0.007 | 32.623 | 0.007 | 32.638 | 0.000 | 32.659 | 0.001 | 36.536 | -0.031 | 36.547 | -0.051 | 36.563 | -0.057 | 36.569 | -0.030 |
| 32.678 | 0.008 | 32.692 | 0.021 | 32.705 | 0.035 | 32.707 | 0.035 | 36.588 | -0.156 | 36.607 | -0.141 | 36.621 | -0.126 | 36.644 | -0.084 |
| 32.719 | 0.035 | 32.729 | 0.062 | 32.744 | 0.075 | 32.763 | 0.069 | 36.651 | -0.030 | 36.666 | -0.022 | 36.687 | 0.027 | 36.699 | 0.041 |
| 32.780 | 0.056 | 32.792 | 0.036 | 32.808 | 0.036 | 32.827 | 0.036 | 36.710 | -0.055 | 36.722 | 0.056 | 36.731 | 0.057 | 36.747 | 0.052 |
| 32.841 | 0.056 | 32.855 | 0.070 | 32.869 | 0.063 | 32.883 | 0.050 | 36.768 | 0.013 | 36.780 | -0.006 | 36.815 | -0.023 | 36.836 | -0.028 |
| 32.896 | 0.044 | 32.910 | 0.044 | 32.922 | 0.044 | 32.934 | 0.038 | 36.857 | -0.054 | 36.866 | -0.047 | 36.887 | -0.001 | 36.912 | -0.011 |
| 32.953 | 0.018 | 32.972 | 0.005 | 32.990 | -0.001 | 32.996 | -0.007 | 36.926 | -0.037 | 36.955 | -0.076 | 36.965 | -0.061 | 36.983 | -0.033 |
| 33.015 | -0.027 | 33.031 | -0.027 | 33.053 | -0.027 | 33.068 | -0.027 | 37.002 | -0.032 | 37.023 | -0.017 | 37.049 | -0.015 | 37.080 | -0.013 |
| 33.081 | -0.020 | 33.091 | -0.013 | 33.101 | -0.001 | 33.115 | 0.001 | 37.054 | 0.002 | 37.127 | 0.012 | 37.155 | 0.062 | 37.176 | 0.077 |
| 33.123 | 0.001 | 33.135 | 0.001 | 33.144 | 0.006 | 33.156 | -0.026 | 37.197 | 0.119 | 37.216 | 0.121 | 37.226 | 0.116 | 37.245 | 0.078 |
| 33.170 | -0.019 | 33.186 | -0.025 | 33.196 | -0.025 | 33.209 | -0.025 | 37.255 | -0.059 | 37.267 | 0.013 | 37.284 | -0.005 | 37.313 | -0.016 |
| 33.229 | -0.032 | 33.241 | -0.039 | 33.254 | -0.052 | 33.265 | -0.066 | 37.323 | -0.055 | 37.331 | -0.067 | 37.356 | -0.078 | 37.360 | -0.058 |
| 33.278 | -0.079 | 33.290 | -0.066 | 33.305 | -0.046 | 33.334 | -0.025 | 37.372 | -0.023 | 37.393 | 0.066 | 37.406 | -0.006 | 37.424 | -0.018 |
| 33.347 | -0.032 | 33.368 | -0.066 | 33.382 | -0.079 | 33.423 | -0.079 | 37.446 | 0.004 | 37.463 | 0.018 | 37.479 | 0.040 | 37.489 | 0.054 |
| 33.443 | -0.072 | 33.487 | -0.072 | 33.503 | -0.072 | 33.535 | -0.079 | 37.500 | 0.034 | 37.510 | 0.055 | 37.521 | 0.069 | 37.536 | 0.057 |
| 33.548 | -0.079 | 33.568 | -0.059 | 33.590 | -0.025 | 33.602 | -0.025 | 37.546 | 0.031 | 37.559 | -0.018 | 37.570 | -0.001 | 37.578 | -0.021 |
| 33.613 | -0.045 | 33.626 | -0.058 | 33.640 | -0.051 | 33.668 | -0.044 | 37.595 | -0.014 | 37.604 | 0.000 | 37.616 | 0.001 | 37.627 | -0.012 |

| | | | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 37.641 | -0.025 | 37.654 | -0.058 | 37.663 | -0.077 | 37.682 | -0.123 | 41.908 | -0.106 | 41.924 | -0.106 | 41.946 | -0.106 | 41.956 | -0.098 |
| 37.705 | -0.102 | 37.715 | -0.081 | 37.737 | -0.020 | 37.745 | 0.014 | 41.966 | -0.091 | 41.981 | -0.078 | 41.995 | -0.065 | 42.011 | -0.058 |
| 37.759 | 0.035 | 37.762 | 0.063 | 37.800 | 0.044 | 37.834 | 0.017 | 42.034 | -0.051 | 42.054 | -0.051 | 42.073 | -0.044 | 42.089 | -0.030 |
| 37.844 | 0.027 | 37.861 | -0.012 | 37.869 | 0.019 | 37.875 | -0.005 | 42.104 | 0.030 | 42.125 | -0.037 | 42.144 | -0.023 | 42.167 | -0.036 |
| *37.882 | -0.004 | 37.886 | -0.011 | 37.890 | -0.031 | 37.900 | -0.043 | 42.186 | -0.049 | 42.210 | -0.062 | 42.230 | -0.076 | 42.252 | -0.078 |
| 37.907 | -0.050 | 37.913 | -0.063 | 37.920 | -0.069 | 37.927 | -0.075 | 42.273 | -0.083 | 42.311 | -0.097 | 42.327 | -0.084 | 42.336 | -0.078 |
| 37.952 | -0.100 | 37.964 | -0.112 | 37.976 | -0.145 | 37.989 | -0.151 | 42.360 | -0.065 | 42.373 | -0.058 | 42.386 | -0.045 | 42.424 | -0.045 |
| 38.011 | -0.109 | 38.022 | -0.055 | 38.026 | -0.088 | 38.044 | -0.094 | 42.444 | -0.059 | 42.455 | -0.059 | 42.466 | -0.065 | 42.486 | -0.078 |
| 38.053 | -0.094 | 38.065 | -0.094 | 38.076 | -0.100 | 38.092 | -0.080 | 42.511 | -0.078 | 42.533 | -0.064 | 42.550 | -0.064 | 42.569 | -0.064 |
| 38.107 | -0.052 | 38.128 | 0.036 | 38.142 | 0.057 | 38.153 | 0.044 | 42.609 | -0.063 | 42.610 | -0.063 | 42.638 | -0.062 | 42.730 | -0.026 |
| 38.166 | 0.032 | 38.176 | 0.012 | 38.200 | -0.019 | 38.223 | -0.002 | 42.679 | -0.041 | 42.686 | -0.033 | 42.710 | -0.026 | 42.811 | 0.016 |
| 38.229 | -0.002 | 38.248 | 0.015 | 38.261 | 0.010 | 38.275 | 0.005 | 42.749 | -0.012 | 42.765 | -0.005 | 42.802 | 0.023 | 42.811 | 0.016 |
| 38.293 | 0.008 | 38.314 | -0.023 | 38.336 | -0.014 | 38.362 | -0.024 | 42.844 | 0.017 | 42.864 | -0.004 | 42.884 | -0.002 | 42.909 | 0.011 |
| 38.375 | -0.043 | 38.390 | -0.048 | 38.414 | -0.053 | 38.433 | -0.045 | 42.936 | 0.012 | 42.960 | -0.001 | 42.981 | -0.008 | 43.025 | -0.027 |
| 38.455 | -0.043 | 38.475 | -0.041 | 38.496 | -0.039 | 38.525 | -0.029 | 43.043 | -0.046 | 43.062 | -0.065 | 43.089 | -0.064 | 43.113 | -0.069 |
| 38.536 | -0.028 | 38.546 | -0.019 | 38.555 | -0.018 | 38.577 | 0.012 | 43.169 | -0.068 | 43.169 | -0.068 | 43.210 | -0.060 | 43.237 | -0.059 |
| 38.589 | 0.067 | 38.603 | 0.069 | 38.615 | 0.070 | 38.628 | 0.051 | 43.271 | -0.058 | 43.302 | -0.064 | 43.319 | -0.084 | 43.338 | -0.083 |
| 38.647 | 0.046 | 38.666 | 0.041 | 38.681 | 0.035 | 38.692 | 0.015 | 43.362 | -0.083 | 43.375 | -0.055 | 43.402 | -0.054 | 43.430 | -0.093 |
| 38.706 | -0.018 | 38.716 | -0.045 | 38.735 | -0.071 | 38.740 | -0.084 | 43.447 | -0.092 | 43.464 | -0.078 | 43.481 | -0.070 | 43.498 | -0.063 |
| 38.750 | -0.091 | 38.761 | -0.104 | 38.769 | -0.110 | 38.776 | -0.116 | 43.521 | -0.062 | 43.549 | -0.061 | 43.561 | -0.074 | 43.582 | -0.087 |
| 38.801 | -0.115 | 38.821 | -0.095 | 38.837 | -0.067 | 38.856 | -0.019 | 43.599 | -0.080 | 43.623 | -0.046 | 43.641 | -0.039 | 43.654 | -0.032 |
| 38.871 | 0.001 | 38.895 | 0.063 | 38.909 | 0.090 | 38.917 | 0.097 | 43.676 | -0.005 | 43.710 | -0.005 | 43.726 | -0.025 | 43.752 | -0.025 |
| 38.932 | 0.112 | 38.949 | 0.120 | 38.977 | 0.123 | 38.990 | 0.131 | 43.781 | -0.039 | 43.801 | -0.058 | 43.822 | -0.065 | 43.837 | -0.058 |
| 39.006 | 0.079 | 39.024 | 0.041 | 39.039 | 0.036 | 39.076 | 0.019 | 43.859 | -0.044 | 43.874 | -0.017 | 43.885 | -0.017 | 43.914 | -0.016 |
| 39.214 | 0.003 | 39.241 | 0.032 | 39.257 | 0.053 | 39.283 | 0.061 | 43.935 | -0.016 | 43.946 | -0.016 | 43.969 | 0.025 | 43.981 | 0.005 |
| 39.301 | 0.055 | 39.319 | 0.050 | 39.347 | 0.058 | 39.369 | 0.085 | 44.005 | -0.006 | 44.030 | -0.006 | 44.059 | -0.007 | 44.082 | -0.006 |
| 39.386 | 0.099 | 39.417 | 0.093 | 39.426 | 0.074 | 39.452 | 0.074 | 44.114 | -0.006 | 44.135 | -0.006 | 44.189 | -0.005 | 44.205 | -0.005 |
| 39.471 | 0.081 | 39.486 | 0.095 | 39.498 | 0.075 | 39.513 | 0.095 | 44.221 | -0.005 | 44.244 | -0.011 | 44.265 | -0.024 | 44.285 | -0.037 |
| 39.524 | 0.015 | 39.543 | -0.012 | 39.563 | 0.001 | 39.571 | 0.008 | 44.305 | -0.051 | 44.331 | -0.037 | 44.358 | -0.036 | 44.375 | -0.028 |
| 39.603 | 0.035 | 39.621 | 0.041 | 39.644 | 0.061 | 39.664 | 0.061 | 44.390 | -0.028 | 44.418 | -0.027 | 44.449 | -0.026 | 44.467 | -0.031 |
| 39.653 | 0.081 | 39.707 | 0.088 | 39.723 | 0.075 | 39.741 | 0.055 | 44.492 | -0.043 | 44.505 | -0.056 | 44.540 | -0.074 | 44.562 | -0.073 |
| 39.759 | -0.041 | 39.769 | 0.015 | 39.791 | -0.005 | 39.813 | -0.032 | 44.587 | -0.072 | 44.611 | -0.070 | 44.627 | -0.076 | 44.642 | -0.075 |
| 39.848 | -0.039 | 39.870 | -0.039 | 39.902 | -0.005 | 39.935 | -0.012 | 44.657 | -0.061 | 44.675 | -0.053 | 44.688 | -0.053 | 44.712 | -0.052 |
| 39.966 | -0.012 | 40.006 | -0.011 | 40.032 | -0.024 | 40.054 | -0.037 | 44.738 | -0.037 | 44.768 | -0.056 | 44.784 | -0.056 | 44.802 | -0.055 |
| 40.164 | -0.037 | 40.098 | -0.037 | 40.124 | -0.016 | 40.142 | -0.016 | 44.823 | -0.054 | 44.838 | -0.040 | 44.852 | -0.026 | 44.868 | -0.026 |
| 40.164 | -0.021 | 40.219 | -0.027 | 40.242 | -0.027 | 40.266 | -0.020 | 44.887 | -0.025 | 44.905 | -0.044 | 44.918 | -0.064 | 44.949 | -0.076 |
| 40.257 | -0.020 | 40.332 | -0.020 | 40.363 | -0.013 | 40.379 | -0.012 | 44.966 | -0.049 | 44.985 | -0.025 | 45.013 | -0.033 | 45.038 | -0.032 |
| 40.393 | -0.019 | 40.409 | -0.019 | 40.435 | -0.019 | 40.470 | -0.025 | 45.055 | -0.031 | 45.080 | -0.010 | 45.056 | -0.009 | 45.117 | -0.015 |
| 40.454 | -0.005 | 40.525 | -0.004 | 40.550 | -0.004 | 40.581 | -0.004 | 45.140 | -0.014 | 45.154 | -0.034 | 45.193 | -0.032 | 45.217 | -0.032 |
| 40.605 | -0.003 | 40.627 | -0.009 | 40.649 | -0.015 | 40.679 | -0.034 | 45.243 | -0.031 | 45.268 | -0.030 | 45.295 | -0.015 | 45.314 | -0.015 |
| 40.690 | -0.054 | 40.726 | -0.046 | 40.745 | -0.045 | 40.770 | -0.038 | 45.337 | -0.031 | 45.365 | -0.013 | 45.357 | -0.001 | 45.421 | -0.017 |
| 40.794 | -0.023 | 40.808 | -0.029 | 40.831 | -0.022 | 40.844 | -0.021 | 45.440 | -0.030 | 45.479 | -0.019 | 45.582 | -0.044 | 45.596 | -0.050 |
| 40.862 | -0.013 | 40.874 | -0.013 | 40.886 | -0.012 | 40.912 | -0.018 | 45.536 | -0.019 | 45.549 | -0.039 | 45.582 | -0.044 | 45.596 | -0.050 |
| 40.927 | -0.031 | 40.959 | -0.056 | 40.999 | -0.074 | 41.031 | -0.079 | 45.617 | -0.036 | 45.635 | -0.022 | 45.682 | -0.026 | 45.695 | -0.039 |
| 41.047 | -0.072 | 41.074 | -0.038 | 41.095 | -0.050 | 41.109 | -0.050 | 45.721 | -0.037 | 45.736 | -0.056 | 45.758 | -0.048 | 45.786 | -0.054 |
| 41.139 | -0.076 | 41.154 | -0.075 | 41.164 | -0.068 | 41.187 | -0.034 | 45.802 | -0.060 | 45.825 | -0.059 | 45.848 | -0.057 | 45.877 | -0.056 |
| 41.205 | -0.034 | 41.224 | -0.020 | 41.245 | -0.006 | 41.278 | -0.012 | 45.902 | -0.075 | 45.915 | -0.088 | 45.935 | -0.101 | 45.979 | -0.113 |
| 41.258 | -0.031 | 41.316 | -0.031 | 41.334 | -0.017 | 41.356 | -0.050 | 46.000 | -0.106 | 46.025 | -0.059 | 46.052 | -0.066 | 46.071 | -0.072 |
| 41.389 | -0.042 | 41.427 | -0.040 | 41.445 | -0.039 | 41.464 | -0.039 | 46.091 | -0.059 | 46.109 | -0.059 | 46.131 | -0.072 | 46.150 | -0.099 |
| 41.489 | -0.024 | 41.499 | -0.011 | 41.511 | -0.003 | 41.527 | 0.011 | 46.176 | -0.039 | 46.204 | -0.059 | 46.240 | -0.099 | 46.263 | -0.106 |
| 41.555 | 0.006 | 41.574 | 0.020 | 41.598 | 0.028 | 41.623 | 0.029 | 46.274 | -0.106 | 46.303 | -0.086 | 46.303 | -0.086 | 46.321 | -0.072 |
| 41.645 | 0.030 | 41.671 | 0.025 | 41.685 | 0.025 | 41.708 | -0.001 | 46.334 | -0.065 | 46.350 | -0.065 | 46.367 | -0.085 | 46.387 | -0.098 |
| 41.728 | -0.007 | 41.740 | -0.013 | 41.755 | -0.020 | 41.768 | -0.026 | 46.423 | -0.058 | 46.452 | -0.050 | 46.469 | -0.083 | 46.494 | -0.076 |
| 41.755 | -0.032 | 41.805 | -0.039 | 41.822 | -0.046 | 41.837 | -0.046 | 46.519 | -0.055 | 46.545 | -0.055 | 46.621 | -0.053 | 46.640 | -0.060 |
| 41.855 | -0.046 | 41.880 | -0.052 | 41.890 | -0.066 | 41.896 | -0.086 | 46.653 | -0.066 | 46.683 | -0.073 | 46.700 | -0.072 | 46.721 | -0.065 |
| | | | | | | | | 46.737 | -0.058 | 46.758 | -0.064 | 46.783 | -0.083 | 46.823 | -0.101 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 46.848 | -0.053 | 46.878 | -0.091 | 46.895 | -0.090 | 46.911 | -0.089 |
| 46.940 | -0.068 | 46.951 | -0.068 | 46.966 | -0.054 | 46.982 | -0.033 |
| 46.958 | -0.033 | 47.023 | -0.039 | 47.040 | -0.058 | 47.057 | -0.071 |
| 47.076 | -0.070 | 47.097 | -0.069 | 47.133 | -0.067 | 47.154 | -0.066 |
| 47.173 | -0.071 | 47.191 | -0.070 | 47.200 | -0.056 | 47.211 | -0.055 |
| 47.226 | -0.028 | 47.234 | -0.040 | 47.255 | -0.039 | 47.268 | -0.038 |
| 47.286 | -0.050 | 47.307 | -0.056 | 47.325 | -0.055 | 47.339 | -0.061 |
| 47.366 | -0.059 | 47.387 | -0.058 | 47.400 | -0.071 | 47.411 | -0.077 |
| 47.424 | -0.083 | 47.435 | -0.082 | 47.450 | -0.082 | 47.466 | -0.068 |
| 47.482 | -0.067 | 47.495 | -0.066 | 47.522 | -0.065 | 47.536 | -0.064 |
| 47.545 | -0.057 | 47.558 | -0.057 | 47.578 | -0.049 | 47.590 | -0.049 |
| 47.611 | -0.047 | 47.631 | -0.033 | 47.650 | -0.039 | 47.672 | -0.017 |
| 47.689 | -0.016 | 47.715 | -0.015 | 47.731 | -0.021 | 47.754 | -0.026 |
| 47.778 | -0.032 | 47.816 | -0.030 | 47.838 | -0.028 | 47.867 | -0.027 |
| 47.889 | -0.039 | 47.913 | -0.045 | 47.953 | -0.056 | 47.978 | -0.055 |
| 48.001 | -0.054 | 48.024 | -0.047 | 48.065 | -0.038 | 48.090 | -0.038 |
| 48.106 | -0.030 | 48.126 | -0.030 | 48.155 | -0.029 | 48.180 | -0.028 |
| 48.245 | -0.006 | 48.270 | 0.002 | 48.289 | 0.002 | 48.340 | -0.029 |
| 48.367 | -0.042 | 48.393 | -0.054 | 48.439 | -0.052 | 48.531 | -0.042 |
| 48.555 | -0.028 | 48.618 | -0.026 | 48.647 | -0.026 | 48.695 | -0.025 |
| 48.718 | -0.039 | 48.753 | -0.039 | 48.796 | -0.052 | 48.833 | -0.059 |
| 48.888 | -0.079 | 48.904 | -0.105 | 49.037 | -0.103 | 49.064 | -0.096 |
| 49.087 | -0.095 | 49.134 | -0.081 | 49.163 | -0.073 | 49.195 | -0.052 |
| 49.226 | -0.051 | 49.255 | -0.050 | 49.287 | -0.048 | 49.312 | -0.046 |
| 49.327 | -0.046 | | | | | | |

IQ241

71-170 2/9/71 0600PST L.A. 800 W. FIRST ST. 1ST FLOOR UP

3820 POINTS 49.279 SECCNDS

SCALED DATA, WITH THE DIGITIZED FIXED TRACE SMOOTHED AND SUBTRACTED, AND A HORIZONTAL ZERO LINE FIXED FOR ZERO MEAN, WHICH SIMULTANEOUSLY MINIMIZES THE RMS ACCLN.

UNITS ARE SEC, G/10.

THE RMS ACCELERATION OF THIS COMPLETE RECORD, MINIMIZED IN THE ABOVE ALIGNMENT CORRECTION, IS 0.1057 G/10.

[illegible]

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 3.117 | -0.100 | 3.123 | -0.128 | 3.128 | -0.109 | 3.137 | 0.018 | 5.240 | -0.116 | 5.250 | -0.152 | 5.258 | -0.130 | 5.275 | -0.021 |
| 3.150 | 0.263 | 3.156 | 0.308 | 3.163 | 0.267 | 3.173 | 0.068 | 5.284 | 0.038 | 5.292 | 0.074 | 5.301 | 0.061 | 5.308 | 0.007 |
| 3.186 | -0.168 | 3.193 | -0.236 | 3.200 | -0.155 | 3.212 | -0.022 | 5.315 | -0.061 | 5.324 | -0.093 | 5.330 | -0.066 | 5.338 | 0.120 |
| 3.218 | 0.041 | 3.226 | 0.104 | 3.238 | 0.028 | 3.246 | -0.099 | 5.349 | 0.174 | 5.354 | 0.138 | 5.366 | -0.152 | 5.376 | -0.387 |
| 3.253 | -0.140 | 3.261 | -0.103 | 3.267 | -0.017 | 3.273 | 0.073 | 5.383 | -0.455 | 5.389 | -0.410 | 5.403 | -0.152 | 5.415 | 0.057 |
| 3.281 | 0.114 | 3.290 | 0.065 | 3.296 | -0.008 | 3.304 | -0.071 | 5.428 | 0.207 | 5.438 | 0.130 | 5.454 | 0.358 | 5.462 | -0.583 |
| 3.309 | -0.035 | 3.319 | -0.056 | 3.329 | 0.219 | 3.339 | 0.292 | 5.467 | 0.340 | 5.480 | 0.305 | 5.489 | -0.305 | 5.496 | -0.405 |
| 3.351 | 0.260 | 3.360 | 0.192 | 3.374 | 0.038 | 3.385 | -0.053 | 5.501 | -0.364 | 5.509 | -0.169 | 5.516 | 0.021 | 5.526 | -0.103 |
| 3.401 | -0.098 | 3.408 | -0.062 | 3.414 | -0.025 | 3.425 | 0.011 | 5.530 | 0.067 | 5.547 | -0.246 | 5.562 | -0.464 | 5.572 | -0.523 |
| 3.432 | -0.021 | 3.444 | -0.134 | 3.452 | -0.197 | 3.462 | -0.143 | 5.578 | -0.495 | 5.586 | -0.119 | 5.599 | -0.074 | 5.608 | -0.074 |
| 3.477 | 0.088 | 3.483 | 0.129 | 3.490 | 0.084 | 3.498 | -0.043 | 5.613 | -0.101 | 5.626 | -0.246 | 5.634 | -0.282 | 5.642 | -0.245 |
| 3.502 | -0.093 | 3.510 | -0.057 | 3.517 | 0.048 | 3.522 | 0.152 | 5.653 | -0.200 | 5.663 | -0.059 | 5.672 | 0.158 | 5.676 | 0.213 |
| 3.531 | 0.202 | 3.538 | 0.170 | 3.548 | 0.021 | 3.561 | -0.260 | 5.684 | 0.258 | 5.693 | 0.177 | 5.698 | 0.177 | 5.709 | -0.036 |
| 3.571 | -0.387 | 3.577 | -0.342 | 3.590 | -0.151 | 3.596 | -0.070 | 5.713 | -0.104 | 5.720 | -0.136 | 5.728 | -0.113 | 5.741 | -0.049 |
| 3.618 | -0.083 | 3.630 | -0.169 | 3.639 | -0.133 | 3.677 | -0.133 | 5.750 | -0.013 | 5.759 | 0.023 | 5.769 | -0.004 | 5.777 | -0.022 |
| 3.648 | -0.069 | 3.656 | -0.047 | 3.664 | -0.078 | 3.676 | -0.205 | 5.787 | 0.019 | 5.798 | 0.132 | 5.808 | 0.273 | 5.816 | 0.337 |
| 3.684 | -0.264 | 3.691 | -0.214 | 3.703 | -0.078 | 3.712 | -0.042 | 5.824 | 0.305 | 5.833 | 0.169 | 5.841 | -0.062 | 5.851 | -0.166 |
| 3.719 | -0.033 | 3.726 | -0.033 | 3.733 | -0.078 | 3.742 | -0.042 | 5.857 | -0.116 | 5.865 | -0.039 | 5.874 | -0.034 | 5.888 | 0.102 |
| 3.755 | 0.045 | 3.771 | -0.000 | 3.793 | -0.068 | 3.802 | -0.122 | 5.902 | 0.125 | 5.911 | 0.247 | 5.918 | 0.311 | 5.928 | 0.347 |
| 3.811 | -0.254 | 3.820 | -0.317 | 3.828 | -0.263 | 3.845 | -0.022 | 5.933 | 0.302 | 5.943 | 0.418 | 5.954 | -0.192 | 5.962 | -0.373 |
| 3.856 | 0.088 | 3.863 | 0.132 | 3.877 | 0.056 | 3.890 | 0.042 | 5.972 | -0.450 | 5.977 | -0.418 | 5.985 | -0.273 | 5.997 | -0.074 |
| 3.897 | -0.040 | 3.906 | -0.094 | 3.919 | -0.021 | 3.929 | 0.028 | 6.004 | -0.028 | 6.009 | -0.064 | 6.022 | -0.236 | 6.025 | -0.273 |
| 3.948 | -0.012 | 3.957 | 0.033 | 3.963 | 0.057 | 3.969 | 0.142 | 6.030 | -0.245 | 6.041 | -0.055 | 6.054 | 0.208 | 6.060 | -0.249 |
| 3.976 | 0.092 | 3.983 | 0.026 | 3.989 | 0.103 | 3.997 | -0.166 | 6.068 | 0.155 | 6.083 | -0.117 | 6.089 | -0.235 | 6.096 | -0.294 |
| 4.004 | -0.130 | 4.014 | -0.035 | 4.024 | -0.006 | 4.030 | -0.043 | 6.104 | -0.217 | 6.120 | 0.137 | 6.128 | 0.183 | 6.133 | 0.146 |
| 4.038 | -0.170 | 4.044 | -0.234 | 4.051 | -0.170 | 4.067 | 0.183 | 6.142 | 0.020 | 6.149 | -0.026 | 6.157 | -0.006 | 6.172 | 0.161 |
| 4.089 | 0.225 | 4.101 | 0.161 | 4.120 | 0.070 | 4.136 | -0.002 | 6.178 | 0.202 | 6.183 | 0.161 | 6.197 | -0.156 | 6.199 | -0.233 |
| 4.148 | -0.129 | 4.162 | -0.220 | 4.169 | -0.188 | 4.182 | -0.039 | 6.205 | -0.278 | 6.210 | -0.251 | 6.224 | -0.005 | 6.229 | -0.036 |
| 4.189 | 0.007 | 4.196 | -0.039 | 4.205 | -0.161 | 4.217 | -0.202 | 6.234 | 0.008 | 6.243 | -0.191 | 6.252 | -0.272 | 6.260 | -0.245 |
| 4.226 | -0.143 | 4.237 | -0.102 | 4.246 | -0.143 | 4.256 | -0.170 | 6.266 | -0.163 | 6.277 | 0.033 | 6.286 | -0.087 | 6.290 | 0.038 |
| 4.267 | -0.143 | 4.280 | -0.016 | 4.291 | 0.057 | 4.305 | 0.158 | 6.305 | -0.158 | 6.314 | -0.261 | 6.325 | -0.297 | 6.334 | -0.346 |
| 4.318 | 0.252 | 4.337 | 0.324 | 4.344 | 0.288 | 4.354 | 0.039 | 6.339 | -0.364 | 6.345 | -0.337 | 6.355 | -0.223 | 6.368 | -0.182 |
| 4.362 | -0.165 | 4.368 | -0.233 | 4.375 | -0.184 | 4.387 | -0.061 | 6.376 | -0.327 | 6.383 | -0.326 | 6.390 | -0.372 | 6.396 | -0.321 |
| 4.395 | 0.147 | 4.405 | 0.197 | 4.423 | 0.134 | 4.428 | 0.175 | 6.406 | 0.001 | 6.417 | 0.264 | 6.421 | 0.206 | 6.427 | -0.396 |
| 4.434 | 0.233 | 4.439 | 0.279 | 4.447 | 0.224 | 4.463 | -0.155 | 6.444 | -0.464 | 6.445 | -0.400 | 6.471 | 0.267 | 6.479 | 0.340 |
| 4.471 | -0.270 | 4.477 | -0.247 | 4.487 | -0.093 | 4.500 | 0.143 | 6.485 | 0.282 | 6.500 | -0.180 | 6.504 | -0.229 | 6.512 | -0.170 |
| 4.509 | 0.188 | 4.519 | 0.143 | 4.525 | 0.039 | 4.537 | 0.007 | 6.533 | 0.234 | 6.540 | 0.280 | 6.546 | 0.244 | 6.557 | 0.045 |
| 4.546 | 0.057 | 4.556 | 0.111 | 4.562 | 0.066 | 4.570 | -0.029 | 6.562 | -0.004 | 6.568 | 0.023 | 6.575 | 0.110 | 6.586 | 0.183 |
| 4.577 | -0.215 | 4.589 | -0.410 | 4.596 | -0.478 | 4.602 | -0.442 | 6.590 | -0.224 | 6.601 | 0.179 | 6.612 | -0.264 | 6.620 | -0.527 |
| 4.611 | -0.252 | 4.616 | -0.143 | 4.622 | -0.102 | 4.640 | -0.175 | 6.624 | -0.594 | 6.630 | -0.540 | 6.643 | -0.190 | 6.651 | -0.083 |
| 4.651 | -0.120 | 4.661 | -0.075 | 4.683 | -0.029 | 4.690 | -0.066 | 6.659 | 0.142 | 6.667 | 0.115 | 6.677 | -0.075 | 6.683 | -0.197 |
| 4.706 | -0.147 | 4.722 | -0.120 | 4.728 | -0.165 | 4.736 | -0.206 | 6.690 | -0.232 | 6.699 | -0.196 | 6.707 | -0.032 | 6.720 | 0.300 |
| 4.745 | -0.170 | 4.759 | -0.043 | 4.780 | 0.297 | 4.786 | 0.410 | 6.729 | 0.391 | 6.736 | 0.351 | 6.749 | -0.229 | 6.759 | -0.011 |
| 4.793 | 0.456 | 4.799 | 0.429 | 4.810 | 0.152 | 4.821 | 0.007 | 6.768 | -0.214 | 6.772 | -0.259 | 6.778 | -0.222 | 6.786 | -0.032 |
| 4.835 | 0.030 | 4.841 | -0.015 | 4.854 | -0.183 | 4.865 | -0.255 | 6.792 | 0.105 | 6.798 | 0.160 | 6.808 | 0.128 | 6.823 | 0.097 |
| 4.875 | -0.206 | 4.886 | -0.006 | 4.894 | 0.130 | 4.901 | 0.180 | 6.832 | -0.121 | 6.845 | -0.167 | 6.852 | -0.126 | 6.868 | -0.154 |
| 4.907 | 0.126 | 4.918 | -0.083 | 4.924 | -0.128 | 4.929 | -0.092 | 6.873 | -0.226 | 6.879 | -0.189 | 6.887 | -0.026 | 6.901 | 0.256 |
| 4.937 | 0.026 | 4.945 | 0.071 | 4.951 | 0.040 | 4.964 | -0.114 | 6.910 | 0.111 | 6.916 | 0.271 | 6.926 | 0.108 | 6.934 | 0.650 |
| 4.973 | -0.182 | 4.979 | -0.146 | 4.994 | 0.122 | 4.998 | 0.203 | 6.940 | 0.118 | 6.953 | 0.341 | 6.963 | 0.359 | 6.976 | 0.324 |
| 5.007 | 0.244 | 5.012 | 0.222 | 5.021 | 0.113 | 5.030 | 0.009 | 6.984 | 0.207 | 6.993 | 0.067 | 7.005 | 0.047 | 7.015 | -0.064 |
| 5.039 | -0.050 | 5.050 | -0.018 | 5.058 | 0.073 | 5.072 | 0.136 | 7.035 | 0.010 | 7.047 | 0.001 | 7.066 | -0.079 | 7.076 | -0.169 |
| 5.077 | 0.109 | 5.086 | 0.009 | 5.094 | -0.036 | 5.102 | -0.018 | 7.088 | -0.223 | 7.101 | -0.141 | 7.113 | -0.050 | 7.125 | -0.069 |
| 5.114 | 0.055 | 5.119 | 0.010 | 5.129 | -0.208 | 5.133 | -0.257 | 7.132 | 0.164 | 7.138 | 0.088 | 7.149 | -0.147 | 7.154 | -0.193 |
| 5.138 | -0.235 | 5.150 | -0.049 | 5.160 | 0.006 | 5.169 | -0.035 | 7.156 | -0.165 | 7.171 | 0.207 | 7.179 | -0.407 | 7.185 | 0.453 |
| 5.177 | -0.216 | 5.183 | -0.361 | 5.189 | -0.416 | 5.193 | -0.388 | 7.191 | -0.408 | 7.202 | 0.068 | 7.210 | -0.126 | 7.216 | -0.171 |
| 5.208 | -0.003 | 5.219 | 0.088 | 5.224 | 0.047 | 5.232 | -0.039 | 7.222 | -0.135 | 7.233 | 0.052 | 7.243 | 0.238 | 7.250 | 0.293 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7.256 | 0.252 | 7.264 | 0.031 | 7.275 | -0.372 | 7.282 | -0.417 | 9.269 | C.030 | 9.281 | 0.189 | 9.290 | C.312 | 9.297 | 0.348 |
| 7.288 | -0.363 | 7.301 | -0.065 | 7.309 | 0.024 | 7.315 | 0.065 | 9.309 | C.326 | 9.315 | 0.326 | 9.324 | C.302 | 9.331 | 0.330 |
| 7.322 | 0.038 | 7.331 | -0.107 | 7.345 | -0.265 | 7.357 | -0.268 | 9.341 | C.217 | 9.354 | 0.072 | 9.361 | -0.063 | 9.369 | -0.136 |
| 7.370 | -0.286 | 7.378 | -0.227 | 7.391 | 0.032 | 7.396 | 0.096 | 9.376 | -C.086 | 9.385 | -0.036 | 9.393 | -C.077 | 9.403 | -C.212 |
| 7.402 | 0.137 | 7.408 | 0.101 | 7.419 | -0.079 | 7.432 | -0.373 | 9.411 | -0.276 | 9.424 | -0.239 | 9.434 | -C.153 | 9.446 | -C.003 |
| 7.438 | -0.423 | 7.444 | -0.386 | 7.453 | -0.191 | 7.465 | 0.150 | 9.456 | 0.204 | 9.465 | 0.287 | 9.475 | 0.233 | 9.485 | 0.052 |
| 7.472 | 0.196 | 7.479 | 0.146 | 7.495 | -0.034 | 7.503 | -0.052 | 9.498 | -0.102 | 9.508 | -0.102 | 9.519 | -C.097 | 9.527 | -C.160 |
| 7.508 | -0.020 | 7.522 | 0.235 | 7.530 | 0.294 | 7.540 | 0.218 | 9.533 | C.210 | 9.542 | -0.228 | 9.551 | -C.210 | 9.562 | -C.101 |
| 7.547 | -0.144 | 7.554 | -0.221 | 7.560 | -0.180 | 7.571 | -0.021 | 9.571 | C.017 | 9.580 | C.085 | 9.601 | 0.095 | 9.620 | 0.095 |
| 7.579 | 0.075 | 7.594 | 0.112 | 7.608 | 0.145 | 7.613 | 0.100 | 9.631 | 0.018 | 9.641 | -0.109 | 9.652 | -C.181 | 9.662 | -C.154 |
| 7.624 | 0.032 | 7.641 | -0.012 | 7.652 | 0.020 | 7.664 | 0.093 | 9.670 | -C.040 | 9.680 | 0.046 | 9.687 | 0.087 | 9.694 | 0.069 |
| 7.674 | -0.026 | 7.687 | -0.286 | 7.693 | -0.204 | 7.712 | 0.118 | 9.713 | -C.044 | 9.727 | -C.157 | 9.743 | -C.193 | 9.752 | -C.311 |
| 7.719 | 0.178 | 7.725 | 0.133 | 7.736 | -0.098 | 7.744 | -0.147 | 9.764 | -0.415 | 9.778 | -0.369 | 9.786 | -C.324 | 9.804 | -C.197 |
| 7.750 | -0.106 | 7.764 | 0.239 | 7.769 | 0.265 | 7.776 | 0.240 | 9.813 | C.030 | 9.822 | C.139 | 9.838 | 0.194 | 9.844 | -C.121 |
| 7.785 | -0.045 | 7.796 | -0.199 | 7.804 | -0.217 | 7.808 | -0.194 | 9.857 | -0.205 | 9.867 | -0.282 | 9.875 | -0.227 | 9.884 | -0.191 |
| 7.826 | 0.038 | 7.826 | 0.038 | 7.831 | 0.007 | 7.838 | -0.070 | 9.905 | -0.177 | 9.915 | -0.213 | 9.925 | -0.267 | 9.942 | -C.258 |
| 7.845 | -0.101 | 7.850 | -0.074 | 7.855 | -0.003 | 7.862 | 0.049 | 9.952 | -C.266 | 9.963 | -0.089 | 9.977 | C.261 | 9.989 | 0.406 |
| 7.869 | -0.001 | 7.884 | -0.258 | 7.888 | -0.356 | 7.894 | -0.385 | 9.994 | C.365 | 10.014 | C.135 | 10.032 | -C.023 | 10.048 | -C.154 |
| 7.899 | -0.353 | 7.918 | 0.228 | 7.925 | 0.287 | 7.931 | 0.242 | 10.061 | -0.118 | 10.076 | -0.126 | 10.084 | -C.058 | 10.098 | 0.097 |
| 7.937 | 0.174 | 7.952 | -0.011 | 7.962 | -0.174 | 7.968 | -0.210 | 10.112 | C.147 | 10.124 | C.247 | 10.133 | C.284 | 10.147 | 0.248 |
| 7.978 | -0.178 | 7.986 | -0.032 | 7.996 | 0.195 | 8.005 | 0.286 | 10.163 | 0.167 | 10.180 | 0.000 | 10.186 | 0.046 | 10.196 | C.150 |
| 8.017 | 0.061 | 8.028 | 0.246 | 8.038 | 0.215 | 8.053 | 0.088 | 10.204 | C.173 | 10.211 | 0.124 | 10.225 | -0.093 | 10.232 | -C.197 |
| 8.065 | -0.061 | 8.071 | -0.110 | 8.078 | -0.087 | 8.089 | 0.122 | 10.238 | -0.238 | 10.247 | -0.210 | 10.256 | -C.164 | 10.268 | -C.141 |
| 8.094 | 0.226 | 8.101 | 0.281 | 8.114 | 0.218 | 8.127 | 0.214 | 10.276 | -0.182 | 10.286 | -0.281 | 10.294 | -C.312 | 10.300 | -0.294 |
| 8.133 | 0.137 | 8.145 | -0.053 | 8.161 | -0.206 | 8.164 | -0.260 | 10.315 | -0.121 | 10.320 | -0.075 | 10.327 | -C.111 | 10.341 | -0.306 |
| 8.174 | -0.319 | 8.181 | -0.278 | 8.194 | -0.064 | 8.204 | 0.031 | 10.344 | -C.392 | 10.354 | -0.437 | 10.359 | -C.396 | 10.373 | -C.264 |
| 8.214 | 0.113 | 8.223 | 0.191 | 8.229 | 0.227 | 8.236 | 0.196 | 10.379 | -0.223 | 10.387 | -0.254 | 10.396 | -C.367 | 10.411 | -0.548 |
| 8.250 | 0.074 | 8.259 | -0.007 | 8.266 | -0.048 | 8.274 | -0.002 | 10.420 | -C.585 | 10.426 | -0.543 | 10.442 | -C.257 | 10.468 | 0.093 |
| 8.287 | 0.193 | 8.293 | 0.230 | 8.300 | 0.198 | 8.316 | 0.098 | 10.484 | C.320 | 10.491 | 0.361 | 10.499 | 0.312 | 10.511 | C.167 |
| 8.322 | 0.036 | 8.334 | 0.050 | 8.346 | 0.064 | 8.355 | C.110 | 10.524 | -C.086 | 10.538 | -0.018 | 10.552 | -C.108 | 10.562 | -C.339 |
| 8.365 | 0.147 | 8.374 | 0.088 | 8.381 | 0.016 | 8.387 | -0.007 | 10.573 | -C.583 | 10.589 | -C.660 | 10.589 | -C.632 | 10.603 | -C.387 |
| 8.394 | 0.030 | 8.400 | 0.143 | 8.410 | 0.180 | 8.420 | 0.185 | 10.618 | -C.178 | 10.638 | -0.150 | 10.653 | -C.096 | 10.667 | -C.041 |
| 8.429 | 0.240 | 8.435 | 0.303 | 8.445 | 0.331 | 8.455 | 0.318 | 10.676 | -C.061 | 10.690 | -0.167 | 10.702 | -0.298 | 10.710 | -0.334 |
| 8.460 | 0.273 | 8.472 | 0.110 | 8.484 | 0.011 | 8.491 | -0.075 | 10.722 | -0.279 | 10.737 | -0.048 | 10.742 | C.016 | 10.749 | C.057 |
| 8.504 | -0.188 | 8.522 | -0.165 | 8.537 | -0.183 | 8.546 | -0.137 | 10.753 | 0.025 | 10.761 | -0.128 | 10.766 | -C.214 | 10.772 | -C.237 |
| 8.558 | 0.117 | 8.566 | 0.254 | 8.573 | 0.304 | 8.579 | 0.272 | 10.777 | -C.201 | 10.788 | -C.128 | 10.798 | -C.009 | 10.807 | C.100 |
| 8.589 | 0.073 | 8.596 | -0.017 | 8.606 | -0.031 | 8.625 | -0.075 | 10.814 | C.150 | 10.819 | 0.118 | 10.832 | -C.031 | 10.844 | -C.058 |
| 8.634 | -0.143 | 8.646 | -0.279 | 8.652 | -0.328 | 8.659 | -0.296 | 10.862 | -0.134 | 10.872 | -0.115 | 10.883 | -0.083 | 10.891 | -C.115 |
| 8.667 | -0.160 | 8.675 | -0.055 | 8.681 | -0.028 | 8.688 | -0.059 | 10.899 | -0.214 | 10.912 | -0.259 | 10.920 | -0.222 | 10.933 | -C.004 |
| 8.698 | -0.168 | 8.706 | -0.236 | 8.718 | -0.271 | 8.729 | -0.244 | 10.951 | 0.273 | 10.975 | -0.287 | 10.986 | 0.433 | 10.993 | 0.487 |
| 8.739 | -0.139 | 8.751 | -0.021 | 8.758 | 0.025 | 8.766 | -0.034 | 11.000 | C.515 | 11.008 | 0.461 | 11.023 | C.012 | 11.039 | 0.203 |
| 8.779 | -0.169 | 8.790 | -0.246 | 8.807 | -0.336 | 8.818 | -0.386 | 11.045 | -C.149 | 11.053 | 0.041 | 11.063 | -C.050 | 11.076 | -C.095 |
| 8.823 | -0.313 | 8.832 | -0.136 | 8.838 | -0.036 | 8.844 | -0.004 | 11.095 | -0.094 | 11.113 | -0.152 | 11.126 | -0.107 | 11.145 | C.189 |
| 8.850 | -0.031 | 8.856 | -0.121 | 8.862 | -0.189 | 8.868 | -0.221 | 11.149 | C.234 | 11.155 | -0.055 | 11.166 | -C.018 | 11.173 | 0.108 |
| 8.873 | -0.193 | 8.882 | -0.021 | 8.890 | 0.111 | 8.901 | 0.189 | 11.182 | -0.023 | 11.189 | -0.055 | 11.196 | -C.018 | 11.210 | 0.204 |
| 8.907 | 0.207 | 8.914 | 0.171 | 8.924 | 0.076 | 8.930 | 0.031 | 11.217 | 0.254 | 11.227 | 0.263 | 11.241 | 0.245 | 11.253 | 0.241 |
| 8.940 | -0.014 | 8.947 | 0.022 | 8.956 | 0.045 | 8.962 | 0.000 | 11.266 | 0.291 | 11.275 | C.368 | 11.284 | C.327 | 11.308 | C.124 |
| 8.971 | -0.090 | 8.977 | 0.144 | 8.982 | -0.122 | 8.993 | -0.008 | 11.317 | 0.124 | 11.335 | 0.115 | 11.351 | C.002 | 11.358 | -C.170 |
| 9.001 | 0.029 | 9.008 | 0.006 | 9.018 | -0.084 | 9.024 | -0.120 | 11.366 | -C.170 | 11.374 | -0.288 | 11.388 | -0.052 | 11.393 | -0.147 |
| 9.032 | -0.093 | 9.047 | -0.015 | 9.056 | 0.012 | 9.064 | -0.042 | 11.403 | -C.170 | 11.409 | -0.224 | 11.419 | -C.019 | 11.436 | -C.174 |
| 9.073 | -0.164 | 9.082 | -0.191 | 9.088 | -0.145 | 9.102 | 0.036 | 11.445 | -0.224 | 11.456 | -0.306 | 11.467 | -0.374 | 11.476 | -C.419 |
| 9.109 | 0.123 | 9.117 | 0.159 | 9.125 | 0.118 | 9.136 | -0.045 | 11.463 | -0.392 | 11.491 | -0.210 | 11.500 | -0.202 | 11.507 | -0.234 |
| 9.143 | -C.199 | 9.150 | -0.253 | 9.158 | -0.203 | 9.169 | -0.098 | 11.523 | -0.311 | 11.537 | -0.329 | 11.549 | -C.338 | 11.579 | -C.365 |
| 9.179 | -C.053 | 9.185 | -0.080 | 9.192 | -0.139 | 9.197 | -0.171 | 11.586 | -C.329 | 11.596 | -0.224 | 11.607 | -C.120 | 11.629 | -0.102 |
| 9.203 | -0.134 | 9.209 | -0.012 | 9.218 | 0.183 | 9.222 | -0.229 | 11.637 | -C.039 | 11.652 | 0.142 | 11.665 | C.378 | 11.678 | 0.446 |
| 9.228 | 0.193 | 9.238 | 0.098 | 9.248 | 0.025 | 9.261 | -0.006 | 11.690 | 0.410 | 11.709 | 0.332 | 11.726 | C.283 | 11.738 | C.219 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 11.750 | 0.151 | 11.770 | 0.228 | 11.787 | 0.241 | 11.812 | 0.318 | 14.286 | -0.101 | 14.258 | -0.205 | 14.309 | -0.218 | 14.322 | -0.195 |
| 11.832 | 0.422 | 11.850 | 0.531 | 11.856 | 0.558 | 11.870 | 0.527 | 14.336 | -0.155 | 14.345 | -0.059 | 14.357 | -0.004 | 14.369 | 0.032 |
| 11.866 | 0.463 | 11.902 | 0.254 | 11.911 | 0.123 | 11.919 | 0.068 | 14.381 | 0.055 | 14.356 | 0.145 | 14.409 | 0.168 | 14.422 | 0.137 |
| 11.927 | 0.100 | 11.939 | 0.254 | 11.948 | 0.386 | 11.954 | 0.413 | 14.434 | 0.114 | 14.449 | 0.146 | 14.460 | 0.105 | 14.473 | -0.026 |
| 11.959 | 0.386 | 11.970 | 0.250 | 11.980 | 0.168 | 11.991 | 0.132 | 14.486 | -0.085 | 14.495 | -0.016 | 14.505 | -0.035 | 14.523 | -0.003 |
| 12.000 | 0.159 | 12.011 | 0.186 | 12.022 | 0.163 | 12.034 | 0.127 | 14.538 | -0.007 | 14.552 | -0.007 | 14.565 | -0.025 | 14.580 | -0.043 |
| 12.048 | 0.195 | 12.070 | 0.268 | 12.088 | 0.309 | 12.093 | 0.268 | 14.551 | -0.011 | 14.563 | 0.030 | 14.613 | 0.039 | 14.627 | -0.019 |
| 12.103 | 0.073 | 12.112 | -0.077 | 12.119 | -0.135 | 12.128 | -0.095 | 14.639 | -0.096 | 14.648 | -0.173 | 14.660 | -0.218 | 14.675 | -0.204 |
| 12.140 | 0.082 | 12.149 | 0.132 | 12.159 | 0.105 | 12.169 | 0.082 | 14.687 | -0.191 | 14.699 | -0.141 | 14.711 | -0.145 | 14.723 | -0.158 |
| 12.190 | 0.132 | 12.211 | 0.132 | 12.222 | 0.223 | 12.236 | 0.341 | 14.735 | -0.108 | 14.749 | -0.045 | 14.762 | -0.014 | 14.773 | -0.008 |
| 12.246 | 0.373 | 12.259 | 0.328 | 12.273 | 0.165 | 12.280 | 0.088 | 14.788 | -0.067 | 14.800 | -0.065 | 14.813 | -0.080 | 14.822 | -0.026 |
| 12.257 | -0.034 | 12.308 | -0.120 | 12.315 | -0.093 | 12.326 | 0.057 | 14.832 | 0.038 | 14.841 | 0.079 | 14.851 | 0.092 | 14.865 | 0.043 |
| 12.381 | 0.175 | 12.345 | 0.211 | 12.359 | 0.179 | 12.370 | 0.098 | 14.878 | -0.012 | 14.939 | 0.206 | 14.955 | 0.238 | 14.967 | 0.220 |
| 12.386 | 0.030 | 12.392 | 0.020 | 12.414 | -0.001 | 12.420 | -0.056 | 14.926 | 0.193 | 14.985 | 0.234 | 15.001 | 0.257 | 15.013 | 0.212 |
| 12.433 | -0.173 | 12.444 | -0.223 | 12.455 | -0.191 | 12.463 | -0.114 | 14.977 | 0.211 | 15.026 | 0.153 | 15.057 | 0.153 | 15.068 | 0.176 |
| 12.470 | -0.073 | 12.478 | -0.114 | 12.494 | -0.259 | 12.504 | -0.335 | 15.082 | 0.157 | 15.095 | 0.144 | 15.107 | 0.063 | 15.117 | -0.005 |
| 12.513 | -0.308 | 12.518 | -0.272 | 12.529 | -0.240 | 12.540 | -0.271 | 15.026 | 0.203 | 15.042 | -0.137 | 15.064 | -0.168 | 15.077 | -0.127 |
| 12.553 | -0.289 | 12.564 | -0.258 | 12.577 | -0.158 | 12.593 | -0.076 | 15.093 | -0.114 | 15.106 | -0.132 | 15.122 | -0.154 | 15.136 | -0.186 |
| 12.613 | 0.033 | 12.629 | 0.020 | 12.643 | 0.011 | 12.649 | 0.079 | 15.130 | -0.036 | 15.140 | -0.018 | 15.152 | -0.045 | 15.166 | -0.073 |
| 12.659 | 0.175 | 12.669 | 0.229 | 12.676 | 0.193 | 12.684 | 0.135 | 15.180 | 0.041 | 15.192 | 0.010 | 15.201 | -0.008 | 15.214 | 0.042 |
| 12.691 | 0.103 | 12.699 | 0.139 | 12.708 | 0.226 | 12.715 | 0.271 | 15.225 | 0.069 | 15.240 | 0.087 | 15.254 | 0.124 | 15.269 | 0.174 |
| 12.722 | 0.231 | 12.738 | 0.100 | 12.751 | 0.018 | 12.761 | -0.022 | 15.279 | 0.133 | 15.292 | 0.025 | 15.306 | -0.016 | 15.332 | 0.016 |
| 12.778 | -0.094 | 12.786 | -0.103 | 12.793 | -0.103 | 12.805 | -0.080 | 15.333 | 0.016 | 15.344 | 0.039 | 15.358 | 0.030 | 15.372 | -0.029 |
| 12.817 | -0.084 | 12.830 | -0.129 | 12.845 | -0.206 | 12.856 | -0.170 | 15.382 | -0.110 | 15.395 | -0.169 | 15.411 | -0.187 | 15.422 | -0.146 |
| 12.866 | -0.088 | 12.875 | -0.047 | 12.887 | -0.037 | 12.900 | -0.046 | 15.437 | -0.092 | 15.450 | -0.137 | 15.464 | -0.168 | 15.477 | -0.127 |
| 12.910 | -0.064 | 12.921 | -0.109 | 12.930 | -0.182 | 12.940 | -0.245 | 15.493 | -0.114 | 15.506 | -0.132 | 15.522 | -0.154 | 15.536 | -0.186 |
| 12.951 | -0.272 | 12.961 | -0.281 | 12.977 | -0.299 | 12.988 | -0.271 | 15.548 | -0.194 | 15.564 | -0.153 | 15.581 | -0.166 | 15.596 | -0.180 |
| 12.998 | -0.190 | 13.009 | -0.144 | 13.021 | -0.198 | 13.033 | -0.275 | 15.608 | -0.179 | 15.618 | -0.116 | 15.633 | -0.056 | 15.646 | -0.002 |
| 13.045 | -0.221 | 13.055 | -0.103 | 13.062 | -0.071 | 13.072 | -0.120 | 15.656 | 0.067 | 15.666 | 0.103 | 15.680 | 0.113 | 15.689 | 0.181 |
| 13.084 | -0.161 | 13.093 | -0.075 | 13.103 | 0.012 | 13.114 | 0.048 | 15.697 | 0.231 | 15.710 | 0.159 | 15.721 | 0.086 | 15.729 | -0.018 |
| 13.125 | 0.066 | 13.140 | 0.076 | 13.152 | 0.117 | 13.164 | 0.153 | 15.736 | 0.073 | 15.744 | 0.141 | 15.754 | 0.137 | 15.767 | 0.305 |
| 13.178 | 0.194 | 13.188 | 0.185 | 13.200 | 0.145 | 13.212 | 0.127 | 15.777 | 0.223 | 15.787 | 0.142 | 15.799 | 0.214 | 15.808 | 0.151 |
| 13.220 | 0.100 | 13.231 | 0.041 | 13.243 | -0.036 | 13.252 | -0.094 | 15.819 | 0.097 | 15.830 | 0.115 | 15.838 | 0.133 | 15.850 | 0.084 |
| 13.263 | -0.112 | 13.274 | -0.049 | 13.284 | 0.051 | 13.295 | 0.115 | 15.863 | 0.116 | 15.877 | 0.075 | 15.890 | -0.038 | 15.900 | 0.043 |
| 13.305 | 0.074 | 13.317 | 0.067 | 13.327 | -0.020 | 13.340 | 0.034 | 15.911 | 0.116 | 15.926 | 0.062 | 15.943 | 0.003 | 15.952 | 0.017 |
| 13.353 | 0.093 | 13.366 | -0.002 | 13.376 | -0.083 | 13.393 | -0.073 | 15.968 | 0.030 | 15.984 | 0.026 | 15.997 | 0.067 | 16.012 | 0.112 |
| 13.403 | -0.051 | 13.416 | -0.009 | 13.427 | 0.036 | 13.440 | 0.041 | 16.024 | 0.077 | 16.038 | 0.240 | 16.048 | 0.240 | 16.057 | 0.176 |
| 13.453 | 0.019 | 13.465 | -0.031 | 13.475 | 0.006 | 13.490 | 0.047 | 16.070 | 0.114 | 16.087 | 0.059 | 16.101 | 0.068 | 16.114 | 0.086 |
| 13.501 | 0.047 | 13.513 | 0.038 | 13.526 | 0.034 | 13.537 | 0.030 | 16.127 | 0.114 | 16.145 | 0.132 | 16.159 | 0.146 | 16.178 | 0.151 |
| 13.550 | 0.003 | 13.562 | -0.033 | 13.575 | -0.073 | 13.586 | -0.118 | 16.156 | 0.115 | 16.172 | 0.075 | 16.228 | 0.076 | 16.242 | 0.053 |
| 13.596 | -0.177 | 13.604 | -0.236 | 13.613 | -0.294 | 13.623 | -0.249 | 16.256 | -0.028 | 16.272 | -0.077 | 16.288 | -0.086 | 16.307 | -0.099 |
| 13.635 | -0.199 | 13.646 | -0.167 | 13.656 | -0.176 | 13.666 | -0.230 | 16.319 | -0.063 | 16.332 | -0.042 | 16.346 | -0.130 | 16.362 | -0.202 |
| 13.680 | -0.280 | 13.691 | -0.298 | 13.699 | -0.343 | 13.714 | -0.365 | 16.377 | -0.210 | 16.390 | -0.178 | 16.406 | -0.119 | 16.421 | -0.064 |
| 13.722 | -0.293 | 13.730 | -0.193 | 13.742 | -0.152 | 13.751 | -0.175 | 16.437 | -0.018 | 16.452 | 0.023 | 16.466 | -0.008 | 16.481 | -0.030 |
| 13.760 | -0.247 | 13.770 | -0.338 | 13.780 | -0.397 | 13.790 | -0.442 | 16.490 | 0.011 | 16.501 | 0.039 | 16.514 | 0.007 | 16.525 | -0.015 |
| 13.802 | -0.478 | 13.812 | -0.455 | 13.824 | -0.455 | 13.836 | -0.437 | 16.542 | 0.040 | 16.554 | 0.059 | 16.566 | 0.136 | 16.580 | 0.123 |
| 13.847 | -0.373 | 13.860 | -0.265 | 13.869 | -0.183 | 13.878 | -0.119 | 16.556 | 0.073 | 16.612 | 0.006 | 16.626 | 0.034 | 16.640 | 0.088 |
| 13.886 | -0.092 | 13.896 | -0.101 | 13.908 | -0.146 | 13.918 | -0.101 | 16.653 | 0.098 | 16.663 | 0.057 | 16.680 | 0.013 | 16.698 | 0.040 |
| 13.928 | 0.026 | 13.939 | 0.103 | 13.949 | 0.149 | 13.958 | 0.126 | 16.714 | 0.073 | 16.733 | 0.069 | 16.747 | 0.015 | 16.763 | -0.012 |
| 14.009 | 0.063 | 13.977 | 0.009 | 13.987 | 0.031 | 13.998 | 0.081 | 16.778 | -0.002 | 16.793 | -0.069 | 16.821 | 0.026 | 16.833 | -0.033 |
| 14.054 | -0.027 | 14.063 | 0.023 | 14.075 | -0.040 | 14.085 | -0.121 | 16.833 | -0.096 | 16.846 | -0.122 | 16.855 | -0.077 | 16.867 | -0.008 |
| 14.097 | -0.148 | 14.106 | -0.103 | 14.116 | -0.008 | 14.128 | 0.029 | 16.876 | 0.024 | 16.891 | -0.035 | 16.903 | -0.111 | 16.916 | -0.147 |
| 14.137 | 0.020 | 14.149 | 0.002 | 14.166 | -0.007 | 14.179 | -0.016 | 16.930 | -0.110 | 16.943 | -0.065 | 16.961 | -0.010 | 16.973 | -0.036 |
| 14.189 | -0.079 | 14.199 | -0.143 | 14.211 | -0.124 | 14.223 | -0.061 | 16.987 | 0.028 | 17.000 | 0.015 | 17.014 | -0.047 | 17.031 | -0.070 |
| 14.236 | -0.066 | 14.248 | 0.003 | 14.262 | -0.010 | 14.277 | -0.028 | 17.046 | 0.043 | 17.060 | -0.015 | 17.074 | -0.024 | 17.088 | -0.015 |
| | | | | | | | | 17.105 | -0.041 | 17.121 | 0.000 | 17.139 | -0.004 | 17.155 | -0.022 |
| | | | | | | | | 17.169 | 0.006 | 17.189 | 0.024 | 17.206 | 0.039 | 17.219 | 0.035 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 17.228 | 0.058 | 17.238 | 0.157 | 17.247 | 0.089 | 17.261 | -0.001 | 20.270 | -0.010 | 20.283 | -0.014 | 20.293 | C.005 | 20.309 | C.033 |
| 17.273 | -0.028 | 17.288 | -0.086 | 17.301 | -0.107 | 17.317 | 0.140 | 20.322 | -0.024 | 20.335 | -0.007 | 20.346 | -0.025 | 20.355 | -0.036 |
| 17.331 | -0.189 | 17.339 | -0.144 | 17.347 | -0.107 | 17.358 | 0.034 | 20.367 | -0.006 | 20.378 | -0.019 | 20.388 | -0.100 | 20.401 | -0.059 |
| 17.371 | 0.093 | 17.386 | 0.093 | 17.395 | 0.035 | 17.412 | -0.028 | 20.418 | -0.036 | 20.429 | -0.008 | 20.445 | -0.003 | 20.456 | 0.043 |
| 17.428 | -0.037 | 17.442 | -0.041 | 17.459 | -0.041 | 17.473 | -0.045 | 20.470 | -0.061 | 20.480 | -0.020 | 20.488 | -0.026 | 20.500 | 0.072 |
| 17.491 | -0.040 | 17.502 | -0.076 | 17.518 | -0.121 | 17.529 | -0.143 | 20.511 | -0.072 | 20.523 | -0.064 | 20.533 | 0.051 | 20.543 | C.060 |
| 17.542 | -0.143 | 17.557 | -0.075 | 17.571 | -0.065 | 17.584 | -0.074 | 20.560 | -0.074 | 20.570 | -0.038 | 20.581 | C.007 | 20.593 | 0.015 |
| 17.602 | -0.060 | 17.613 | -0.074 | 17.631 | -0.078 | 17.645 | -0.055 | 20.603 | -0.001 | 20.617 | 0.013 | 20.628 | -0.014 | 20.640 | -0.060 |
| 17.660 | -0.100 | 17.681 | -0.122 | 17.689 | -0.126 | 17.700 | -0.072 | 20.651 | -0.049 | 20.663 | -0.031 | 20.675 | C.015 | 20.687 | C.020 |
| 17.711 | -0.022 | 17.724 | 0.006 | 17.737 | -0.003 | 17.752 | -0.026 | 20.704 | -0.016 | 20.719 | -0.006 | 20.731 | -0.037 | 20.743 | -0.039 |
| 17.764 | -0.026 | 17.780 | -0.017 | 17.795 | 0.020 | 17.811 | 0.011 | 20.760 | -0.058 | 20.774 | -0.067 | 20.787 | -0.062 | 20.800 | -0.048 |
| 17.825 | -0.025 | 17.837 | -0.003 | 17.851 | 0.043 | 17.866 | 0.084 | 20.814 | -0.011 | 20.827 | -0.011 | 20.838 | -0.024 | 20.851 | -0.046 |
| 17.877 | -0.047 | 17.898 | 0.020 | 17.902 | 0.029 | 17.919 | 0.032 | 20.862 | -0.018 | 20.877 | -0.059 | 20.889 | -0.022 | 20.905 | C.010 |
| 17.933 | 0.030 | 17.946 | -0.007 | 17.962 | -0.016 | 17.977 | -0.015 | 20.916 | -0.006 | 20.928 | -0.016 | 20.942 | -0.034 | 20.959 | C.017 |
| 17.989 | -0.015 | 18.004 | -0.015 | 18.016 | -0.011 | 18.030 | -0.024 | 20.975 | -0.017 | 20.986 | -0.014 | 20.996 | -0.005 | 21.012 | 0.014 |
| 18.047 | -0.047 | 18.060 | -0.029 | 18.076 | -0.033 | 18.091 | -0.031 | 21.025 | -0.004 | 21.040 | -0.017 | 21.050 | C.002 | 21.067 | 0.016 |
| 18.102 | -0.110 | 18.113 | -0.177 | 18.126 | -0.213 | 18.137 | -0.186 | 21.080 | -0.029 | 21.090 | -0.083 | 21.099 | -0.160 | 21.109 | -0.178 |
| 18.149 | -0.145 | 18.162 | -0.108 | 18.172 | -0.126 | 18.185 | -0.130 | 21.120 | -0.146 | 21.132 | -0.118 | 21.150 | -0.100 | 21.167 | -0.094 |
| 18.198 | -0.107 | 18.215 | -0.107 | 18.225 | -0.075 | 18.239 | -0.011 | 21.165 | -0.088 | 21.179 | -0.037 | 21.216 | -0.048 | 21.231 | -0.083 |
| 18.254 | -0.038 | 18.267 | -0.092 | 18.282 | -0.101 | 18.297 | -0.091 | 21.245 | -0.088 | 21.259 | -0.075 | 21.273 | C.013 | 21.292 | 0.055 |
| 18.309 | -0.077 | 18.321 | -0.108 | 18.336 | -0.135 | 18.348 | -0.153 | 21.307 | -0.064 | 21.325 | -0.074 | 21.343 | 0.061 | 21.358 | 0.053 |
| 18.363 | -0.143 | 18.374 | -0.093 | 18.388 | -0.097 | 18.400 | -0.047 | 21.376 | -0.035 | 21.389 | -0.009 | 21.406 | C.000 | 21.419 | 0.014 |
| 18.413 | -0.078 | 18.426 | -0.087 | 18.441 | -0.095 | 18.457 | -0.113 | 21.429 | -0.037 | 21.438 | -0.069 | 21.447 | 0.079 | 21.460 | 0.043 |
| 18.473 | -0.108 | 18.488 | -0.067 | 18.507 | -0.054 | 18.522 | -0.031 | 21.476 | -0.021 | 21.487 | -0.040 | 21.500 | C.063 | 21.518 | C.091 |
| 18.537 | -0.008 | 18.551 | -0.026 | 18.564 | -0.026 | 18.582 | -0.025 | 21.534 | -0.092 | 21.547 | -0.063 | 21.559 | C.057 | 21.571 | C.044 |
| 18.598 | 0.016 | 18.617 | -0.043 | 18.637 | -0.025 | 18.650 | -0.025 | 21.585 | -0.058 | 21.601 | -0.077 | 21.617 | 0.068 | 21.630 | 0.041 |
| 18.667 | -0.029 | 18.685 | -0.029 | 18.694 | -0.007 | 18.704 | 0.048 | 21.643 | -0.046 | 21.660 | -0.062 | 21.675 | C.097 | 21.691 | C.157 |
| 18.720 | -0.102 | 18.730 | 0.107 | 18.745 | 0.088 | 18.759 | 0.084 | 21.703 | -0.194 | 21.721 | -0.212 | 21.735 | C.190 | 21.748 | C.150 |
| 18.776 | C.079 | 18.784 | 0.107 | 18.799 | 0.079 | 18.813 | 0.075 | 21.765 | -0.128 | 21.780 | -0.124 | 21.799 | 0.125 | 21.818 | 0.116 |
| 18.823 | -0.120 | 18.836 | 0.165 | 18.850 | 0.170 | 18.864 | 0.170 | 21.833 | C.103 | 21.845 | 0.066 | 21.869 | C.068 | 21.887 | C.064 |
| 18.884 | 0.179 | 18.895 | 0.188 | 18.910 | 0.175 | 18.922 | 0.125 | 21.909 | -0.030 | 21.929 | -0.006 | 21.947 | -0.007 | 21.958 | C.007 |
| 18.934 | C.057 | 18.949 | 0.093 | 18.963 | 0.093 | 18.977 | 0.107 | 21.978 | -0.033 | 21.995 | -0.054 | 22.007 | -0.019 | 22.024 | -0.023 |
| 18.988 | 0.152 | 19.002 | 0.211 | 19.012 | 0.238 | 19.025 | 0.247 | 22.039 | -0.066 | 22.054 | -0.076 | 22.076 | -0.072 | 22.092 | -0.080 |
| 19.035 | 0.243 | 19.051 | 0.225 | 19.066 | 0.198 | 19.079 | 0.171 | 22.109 | -0.066 | 22.122 | -0.050 | 22.148 | -0.065 | 22.165 | -0.064 |
| 19.143 | 0.022 | 19.160 | -0.005 | 19.177 | -0.009 | 19.187 | 0.022 | 22.184 | -0.043 | 22.202 | -0.050 | 22.215 | -0.049 | 22.232 | -0.021 |
| 19.199 | 0.063 | 19.218 | 0.087 | 19.227 | 0.050 | 19.239 | 0.014 | 22.245 | -0.043 | 22.258 | -0.057 | 22.272 | -0.053 | 22.287 | -0.034 |
| 19.249 | 0.028 | 19.264 | 0.069 | 19.278 | 0.120 | 19.289 | 0.037 | 22.307 | -0.118 | 22.330 | -0.054 | 22.346 | -0.053 | 22.363 | -0.034 |
| 19.301 | 0.043 | 19.315 | 0.012 | 19.327 | 0.039 | 19.339 | 0.089 | 22.384 | -0.047 | 22.399 | -0.028 | 22.415 | -0.013 | 22.431 | 0.010 |
| 19.350 | 0.117 | 19.365 | 0.108 | 19.381 | 0.067 | 19.393 | 0.027 | 22.449 | -0.024 | 22.468 | -0.003 | 22.487 | -0.006 | 22.504 | -0.014 |
| 19.401 | -0.023 | 19.409 | -0.068 | 19.418 | -0.060 | 19.426 | -0.050 | 22.519 | -0.013 | 22.530 | -0.032 | 22.547 | C.065 | 22.563 | C.034 |
| 19.442 | -0.018 | 19.458 | -0.022 | 19.473 | -0.030 | 19.489 | -0.040 | 22.581 | -0.011 | 22.598 | -0.024 | 22.618 | -0.028 | 22.634 | -0.032 |
| 19.497 | -0.053 | 19.508 | -0.103 | 19.520 | -0.130 | 19.532 | -0.139 | 22.649 | -0.020 | 22.669 | -0.006 | 22.684 | -0.026 | 22.700 | -0.048 |
| 19.545 | -0.103 | 19.558 | -0.066 | 19.572 | -0.080 | 19.584 | -0.148 | 22.714 | -0.020 | 22.729 | -0.079 | 22.749 | C.013 | 22.762 | -0.004 |
| 19.599 | -0.193 | 19.610 | -0.175 | 19.623 | -0.120 | 19.637 | -0.075 | 22.780 | -0.003 | 22.796 | -0.007 | 22.814 | -0.024 | 22.836 | -0.023 |
| 19.651 | -0.052 | 19.663 | -0.038 | 19.677 | -0.047 | 19.693 | -0.069 | 22.853 | -0.022 | 22.867 | -0.022 | 22.881 | -0.002 | 22.896 | -0.020 |
| 19.709 | -0.064 | 19.721 | -0.046 | 19.738 | -0.060 | 19.754 | -0.087 | 22.909 | -0.056 | 22.925 | -0.069 | 22.939 | -0.068 | 22.955 | -0.071 |
| 19.771 | -0.095 | 19.785 | -0.063 | 19.800 | -0.054 | 19.812 | -0.040 | 22.972 | -0.070 | 22.986 | -0.065 | 23.005 | -0.032 | 23.023 | -0.022 |
| 19.828 | -0.001 | 19.849 | -0.003 | 19.865 | -0.026 | 19.885 | -0.038 | 23.034 | -0.012 | 23.053 | -0.030 | 23.068 | C.040 | 23.085 | C.050 |
| 19.899 | -0.029 | 19.913 | -0.019 | 19.927 | -0.032 | 19.944 | -0.050 | 23.101 | -0.074 | 23.117 | -0.084 | 23.130 | 0.103 | 23.146 | C.055 |
| 19.954 | -0.027 | 19.968 | 0.015 | 19.988 | 0.015 | 20.009 | 0.039 | 23.166 | -0.069 | 23.183 | -0.052 | 23.197 | C.034 | 23.208 | C.067 |
| 20.020 | -0.044 | 20.034 | 0.058 | 20.050 | 0.058 | 20.065 | 0.023 | 23.226 | -0.090 | 23.242 | -0.082 | 23.256 | C.065 | 23.272 | C.084 |
| 20.081 | -0.010 | 20.097 | 0.006 | 20.105 | 0.038 | 20.119 | 0.093 | 23.293 | -0.090 | 23.313 | -0.055 | 23.333 | -0.083 | 23.352 | C.070 |
| 20.133 | -0.147 | 20.145 | 0.043 | 20.158 | 0.112 | 20.170 | C.099 | 23.369 | -0.044 | 23.385 | -0.009 | 23.398 | -0.018 | 23.410 | -0.003 |
| 20.181 | 0.113 | 20.193 | 0.127 | 20.201 | 0.101 | 20.211 | C.051 | 23.419 | -0.038 | 23.434 | -0.052 | 23.449 | 0.044 | 23.464 | 0.023 |
| 20.223 | 0.047 | 20.237 | 0.048 | 20.248 | 0.048 | 20.258 | 0.035 | 23.477 | -0.019 | 23.493 | -0.024 | 23.507 | 0.039 | 23.524 | 0.058 |
| | | | | | | | | 23.540 | -0.086 | 23.555 | -0.082 | 23.567 | C.065 | 23.580 | C.057 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 23.554 | 0.071 | 23.609 | 0.059 | 23.624 | 0.032 | 23.640 | C.010 | 26.760 | 0.083 | 26.793 | 0.075 | 26.807 | C.075 | 26.820 | C.093 |
| 23.654 | -0.016 | 23.673 | -0.024 | 23.691 | -0.013 | 23.709 | 0.006 | 26.834 | 0.102 | 26.851 | C.102 | 26.864 | C.107 | 26.879 | 0.102 |
| 23.726 | 0.030 | 23.742 | 0.034 | 23.760 | 0.059 | 23.779 | 0.065 | 26.892 | C.084 | 26.905 | C.057 | 26.918 | C.039 | 26.936 | C.039 |
| 23.755 | 0.071 | 23.811 | 0.054 | 23.830 | 0.046 | 23.845 | 0.056 | 26.949 | C.052 | 26.965 | 0.052 | 26.981 | C.039 | 26.998 | C.034 |
| 23.860 | 0.066 | 23.878 | 0.067 | 23.890 | 0.036 | 23.900 | 0.004 | 27.015 | C.034 | 27.034 | C.043 | 27.053 | C.043 | 27.070 | C.052 |
| 23.916 | -0.022 | 23.927 | -0.030 | 23.942 | 0.067 | 23.956 | 0.053 | 27.088 | 0.048 | 27.102 | 0.039 | 27.115 | C.020 | 27.130 | C.002 |
| 23.977 | C.058 | 23.992 | 0.054 | 24.011 | 0.033 | 24.030 | 0.034 | 27.148 | -0.020 | 27.164 | -0.011 | 27.183 | C.016 | 27.196 | 0.011 |
| 24.046 | C.034 | 24.066 | 0.031 | 24.086 | 0.036 | 24.101 | -0.005 | 27.211 | -C.020 | 27.228 | -0.011 | 27.243 | -C.007 | 27.258 | -C.025 |
| 24.118 | -0.031 | 24.132 | -0.031 | 24.146 | -0.031 | 24.163 | 0.039 | 27.274 | -0.043 | 27.290 | -0.056 | 27.304 | -C.051 | 27.317 | C.003 |
| 24.180 | -0.039 | 24.198 | -0.039 | 24.210 | -0.038 | 24.225 | -0.024 | 27.333 | -0.042 | 27.348 | -C.029 | 27.366 | -C.037 | 27.381 | C.003 |
| 24.237 | -0.010 | 24.262 | -0.055 | 24.280 | -0.059 | 24.299 | -0.050 | 27.398 | 0.004 | 27.414 | -C.010 | 27.425 | -C.037 | 27.438 | -C.054 |
| 24.318 | -0.023 | 24.338 | -0.004 | 24.355 | -0.014 | 24.373 | 0.023 | 27.454 | -C.072 | 27.469 | -0.067 | 27.484 | -C.063 | 27.499 | -C.089 |
| 24.385 | -C.035 | 24.400 | -0.108 | 24.412 | -0.116 | 24.426 | -C.080 | 27.514 | -C.085 | 27.526 | -C.053 | 27.543 | -C.030 | 27.558 | -C.020 |
| 24.443 | -0.034 | 24.460 | -0.025 | 24.474 | -0.043 | 24.490 | -0.038 | 27.573 | -0.029 | 27.588 | -0.006 | 27.605 | -C.001 | 27.621 | -C.005 |
| 24.506 | -0.029 | 24.524 | -0.029 | 24.544 | -0.051 | 24.568 | -C.055 | 27.637 | -0.041 | 27.650 | -0.055 | 27.664 | -C.045 | 27.678 | -C.027 |
| 24.573 | -0.032 | 24.590 | -0.032 | 24.610 | -0.050 | 24.626 | -0.050 | 27.694 | -0.027 | 27.710 | -0.022 | 27.722 | -C.001 | 27.738 | -C.020 |
| 24.643 | -0.045 | 24.661 | -0.040 | 24.678 | -0.026 | 24.695 | -C.003 | 27.753 | 0.015 | 27.774 | 0.011 | 27.788 | -C.016 | 27.803 | -C.016 |
| 24.717 | 0.007 | 24.733 | 0.011 | 24.753 | 0.021 | 24.767 | 0.039 | 27.814 | -C.006 | 27.826 | -C.012 | 27.834 | C.026 | 27.845 | 0.012 |
| 24.784 | 0.062 | 24.802 | 0.054 | 24.825 | -0.113 | 24.842 | 0.132 | 27.858 | -0.031 | 27.870 | -C.001 | 27.884 | C.027 | 27.900 | C.014 |
| 24.857 | 0.146 | 24.872 | 0.091 | 24.891 | 0.074 | 24.910 | 0.083 | 27.915 | -C.004 | 27.931 | -0.022 | 27.949 | -0.035 | 27.967 | -C.039 |
| 24.926 | C.083 | 24.942 | 0.074 | 24.961 | 0.084 | 24.975 | 0.088 | 27.988 | -C.035 | 28.003 | -C.025 | 28.016 | C.003 | 28.033 | C.017 |
| 24.992 | 0.102 | 25.004 | 0.098 | 25.021 | 0.057 | 25.037 | 0.016 | 28.049 | -C.003 | 28.065 | -0.000 | 28.083 | C.005 | 28.099 | C.028 |
| 25.054 | 0.007 | 25.065 | 0.026 | 25.082 | 0.026 | 25.098 | -0.010 | 28.115 | C.029 | 28.131 | 0.007 | 28.149 | -0.007 | 28.168 | C.025 |
| 25.117 | -0.024 | 25.136 | -0.023 | 25.154 | -0.032 | 25.169 | -0.045 | 28.185 | 0.026 | 28.205 | 0.035 | 28.219 | 0.049 | 28.235 | C.040 |
| 25.188 | -0.049 | 25.201 | -0.049 | 25.214 | -0.021 | 25.227 | -0.003 | 28.253 | 0.018 | 28.268 | 0.014 | 28.290 | 0.033 | 28.305 | C.015 |
| 25.238 | -0.030 | 25.253 | -0.037 | 25.267 | -0.030 | 25.277 | -0.007 | 28.300 | -C.001 | 28.335 | -0.003 | 28.352 | -C.002 | 28.374 | -C.002 |
| 25.287 | 0.007 | 25.296 | 0.011 | 25.308 | -0.007 | *25.316 | -0.029 | 28.350 | -C.006 | 28.406 | -0.029 | 28.421 | -C.037 | 28.432 | -C.005 |
| 25.324 | -0.048 | 25.335 | -0.061 | 25.345 | -0.074 | 25.359 | -0.074 | 28.442 | -0.027 | 28.453 | 0.050 | 28.472 | 0.054 | 28.491 | C.046 |
| 25.372 | -0.069 | 25.385 | -0.074 | 25.399 | -0.073 | 25.412 | -0.064 | 28.507 | 0.033 | 28.527 | C.011 | 28.542 | C.011 | 28.558 | C.043 |
| 25.422 | -0.046 | 25.433 | -0.027 | 25.445 | -0.009 | 25.462 | -0.008 | 28.570 | -0.044 | 28.589 | C.012 | 28.602 | C.004 | 28.616 | -C.014 |
| 25.474 | -0.017 | 25.485 | -0.022 | 25.494 | -0.017 | 25.507 | 0.001 | 28.628 | -C.014 | 28.642 | -0.004 | 28.657 | 0.005 | 28.673 | 6.001 |
| 25.522 | 0.010 | 25.534 | -0.003 | 25.543 | -C.030 | 25.554 | -0.080 | 28.686 | -C.022 | 28.704 | -C.040 | 28.720 | -C.062 | 28.741 | -C.060 |
| 25.565 | -0.102 | 25.577 | -0.102 | 25.590 | -0.075 | 25.599 | -0.052 | 28.760 | -0.084 | 28.773 | -C.053 | 28.787 | -C.084 | 28.801 | -C.039 |
| 25.609 | -0.025 | 25.622 | -0.016 | 25.635 | -0.011 | 25.649 | -0.002 | 28.817 | -C.038 | 28.833 | -C.038 | 28.847 | -C.038 | 28.863 | -C.047 |
| 25.660 | 0.016 | 25.672 | 0.021 | 25.685 | 0.008 | 25.696 | -0.006 | 28.879 | -C.047 | 28.895 | -C.047 | 28.908 | -C.056 | 28.918 | -C.065 |
| 25.710 | -0.023 | 25.721 | -0.023 | 25.736 | -0.049 | 25.744 | -C.067 | 28.934 | -C.069 | 28.948 | -0.055 | 28.961 | -0.028 | 28.979 | -C.014 |
| 25.756 | -0.084 | 25.766 | -0.079 | 25.779 | -0.070 | 25.794 | -0.046 | 28.956 | -C.014 | 29.016 | -0.027 | 29.029 | -0.009 | 29.046 | 0.028 |
| 25.811 | -0.018 | 25.822 | -0.001 | 25.832 | 0.019 | 25.843 | 0.002 | 29.063 | -C.032 | 29.082 | 0.028 | 29.095 | C.024 | 29.114 | C.024 |
| 25.853 | -0.016 | 25.865 | -0.010 | 25.878 | -0.005 | 25.890 | -0.005 | 29.132 | 0.016 | 29.144 | 0.002 | 29.164 | C.003 | 29.174 | C.030 |
| 25.904 | -0.004 | 25.916 | -0.018 | 25.927 | -0.026 | 25.940 | -0.035 | 29.193 | 0.053 | 29.212 | C.049 | 29.230 | C.049 | 29.243 | C.034 |
| 25.954 | -0.039 | 25.966 | -0.030 | 25.977 | -0.016 | 25.989 | -0.006 | 29.259 | C.077 | 29.275 | 0.056 | 29.288 | C.063 | 29.302 | C.074 |
| 25.977 | 0.012 | 26.009 | 0.021 | 26.018 | 0.022 | 26.027 | -0.008 | 29.313 | 0.063 | 29.328 | C.057 | 29.349 | C.125 | 29.364 | C.059 |
| 26.040 | C.000 | 26.050 | -0.018 | 26.059 | -0.026 | 26.069 | -0.012 | 29.383 | C.072 | 29.391 | 0.064 | 29.408 | C.064 | 29.426 | C.060 |
| 26.083 | 0.016 | 26.098 | 0.035 | 26.109 | 0.031 | 26.124 | 0.031 | 29.438 | 0.038 | 29.459 | 0.012 | 29.473 | C.012 | 29.495 | C.022 |
| 26.135 | 0.037 | 26.147 | 0.038 | 26.159 | 0.043 | 26.170 | 0.062 | 29.513 | C.022 | 29.531 | 0.041 | 29.545 | 0.064 | 29.568 | C.055 |
| 26.180 | 0.026 | 26.193 | 0.004 | 26.203 | 0.000 | 26.212 | -0.010 | 29.585 | -C.024 | 29.602 | -0.003 | 29.615 | -C.008 | 29.639 | -C.008 |
| 26.225 | 0.037 | 26.239 | 0.033 | 26.255 | 0.007 | 26.270 | -0.006 | 29.654 | -C.021 | 29.667 | -0.030 | 29.682 | -C.003 | 29.703 | C.007 |
| 26.283 | 0.008 | 26.299 | 0.008 | 26.316 | 0.027 | 26.330 | 0.046 | 29.724 | C.007 | 29.746 | C.007 | 29.761 | -C.002 | 29.778 | -C.016 |
| 26.345 | C.060 | 26.359 | 0.047 | 26.373 | 0.015 | 26.387 | -0.003 | 29.794 | -0.016 | 29.811 | -0.002 | 29.828 | C.007 | 29.841 | -C.007 |
| 26.379 | -0.012 | 26.413 | 0.006 | 26.428 | 0.025 | 26.442 | 0.029 | 29.854 | C.002 | 29.868 | -C.020 | 29.880 | -C.020 | 29.894 | -C.002 |
| 26.453 | 0.034 | 26.466 | 0.061 | 26.481 | 0.070 | 26.497 | 0.071 | 29.909 | -0.007 | 29.922 | -0.029 | 29.937 | -C.029 | 29.948 | -C.016 |
| 26.508 | 0.071 | 26.521 | 0.117 | 26.534 | 0.062 | 26.544 | C.062 | 29.984 | -C.006 | 29.991 | -C.006 | 30.000 | -C.020 | 30.015 | -C.001 |
| 26.554 | 0.089 | 26.564 | 0.135 | 26.576 | 0.135 | 26.590 | 0.112 | 30.031 | C.021 | 30.045 | 0.035 | 30.060 | 0.017 | 30.076 | -C.001 |
| 26.585 | 0.095 | 26.620 | 0.055 | 26.632 | 0.095 | 26.646 | 0.109 | 30.054 | -C.005 | 30.108 | C.009 | 30.123 | C.005 | 30.139 | -C.018 |
| 26.664 | 0.109 | 26.677 | 0.091 | 26.694 | 0.073 | 26.706 | 0.078 | 30.150 | -C.031 | 30.163 | -0.022 | 30.181 | C.005 | 30.198 | -C.003 |
| 26.721 | C.078 | 26.735 | 0.074 | 26.748 | 0.083 | 26.764 | 0.101 | 30.211 | -C.020 | 30.227 | C.024 | 30.242 | C.020 | 30.256 | -C.025 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----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--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| 30.270 | 30.284 | 30.303 | 30.320 | 30.330 | 30.345 | 30.358 | 30.366 | 30.376 | 30.387 | 30.396 | 30.406 | 30.414 | 30.422 | 30.430 | 30.438 | 30.446 | 30.454 | 30.462 | 30.470 | 30.478 | 30.486 | 30.494 | 30.502 | 30.510 | 30.518 | 30.526 | 30.534 | 30.542 | 30.550 | 30.558 | 30.566 | 30.574 | 30.582 | 30.590 | 30.598 | 30.606 | 30.614 | 30.622 | 30.630 | 30.638 | 30.646 | 30.654 | 30.662 | 30.670 | 30.678 | 30.686 | 30.694 | 30.702 | 30.710 | 30.718 | 30.726 | 30.734 | 30.742 | 30.750 | 30.758 | 30.766 | 30.774 | 30.782 | 30.790 | 30.798 | 30.806 | 30.814 | 30.822 | 30.830 | 30.838 | 30.846 | 30.854 | 30.862 | 30.870 | 30.878 | 30.886 | 30.894 | 30.902 | 30.910 | 30.918 | 30.926 | 30.934 | 30.942 | 30.950 | 30.958 | 30.966 | 30.974 | 30.982 | 30.990 | 30.998 | 31.006 | 31.014 | 31.022 | 31.030 | 31.038 | 31.046 | 31.054 | 31.062 | 31.070 | 31.078 | 31.086 | 31.094 | 31.102 | 31.110 | 31.118 | 31.126 | 31.134 | 31.142 | 31.150 | 31.158 | 31.166 | 31.174 | 31.182 | 31.190 | 31.198 | 31.206 | 31.214 | 31.222 | 31.230 | 31.238 | 31.246 | 31.254 | 31.262 | 31.270 | 31.278 | 31.286 | 31.294 | 31.302 | 31.310 | 31.318 | 31.326 | 31.334 | 31.342 | 31.350 | 31.358 | 31.366 | 31.374 | 31.382 | 31.390 | 31.398 | 31.406 | 31.414 | 31.422 | 31.430 | 31.438 | 31.446 | 31.454 | 31.462 | 31.470 | 31.478 | 31.486 | 31.494 | 31.502 | 31.510 | 31.518 | 31.526 | 31.534 | 31.542 | 31.550 | 31.558 | 31.566 | 31.574 | 31.582 | 31.590 | 31.598 | 31.606 | 31.614 | 31.622 | 31.630 | 31.638 | 31.646 | 31.654 | 31.662 | 31.670 | 31.678 | 31.686 | 31.694 | 31.702 | 31.710 | 31.718 | 31.726 | 31.734 | 31.742 | 31.750 | 31.758 | 31.766 | 31.774 | 31.782 | 31.790 | 31.798 | 31.806 | 31.814 | 31.822 | 31.830 | 31.838 | 31.846 | 31.854 | 31.862 | 31.870 | 31.878 | 31.886 | 31.894 | 31.902 | 31.910 | 31.918 | 31.926 | 31.934 | 31.942 | 31.950 | 31.958 | 31.966 | 31.974 | 31.982 | 31.990 | 31.998 | 32.006 | 32.014 | 32.022 | 32.030 | 32.038 | 32.046 | 32.054 | 32.062 | 32.070 | 32.078 | 32.086 | 32.094 | 32.102 | 32.110 | 32.118 | 32.126 | 32.134 | 32.142 | 32.150 | 32.158 | 32.166 | 32.174 | 32.182 | 32.190 | 32.198 | 32.206 | 32.214 | 32.222 | 32.230 | 32.238 | 32.246 | 32.254 | 32.262 | 32.270 | 32.278 | 32.286 | 32.294 | 32.302 | 32.310 | 32.318 | 32.326 | 32.334 | 32.342 | 32.350 | 32.358 | 32.366 | 32.374 | 32.382 | 32.390 | 32.398 | 32.406 | 32.414 | 32.422 | 32.430 | 32.438 | 32.446 | 32.454 | 32.462 | 32.470 | 32.478 | 32.486 | 32.494 | 32.502 | 32.510 | 32.518 | 32.526 | 32.534 | 32.542 | 32.550 | 32.558 | 32.566 | 32.574 | 32.582 | 32.590 | 32.598 | 32.606 | 32.614 | 32.622 | 32.630 | 32.638 | 32.646 | 32.654 | 32.662 | 32.670 | 32.678 | 32.686 | 32.694 | 32.702 | 32.710 | 32.718 | 32.726 | 32.734 | 32.742 | 32.750 | 32.758 | 32.766 | 32.774 | 32.782 | 32.790 | 32.798 | 32.806 | 32.814 | 32.822 | 32.830 | 32.838 | 32.846 | 32.854 | 32.862 | 32.870 | 32.878 | 32.886 | 32.894 | 32.902 | 32.910 | 32.918 | 32.926 | 32.934 | 32.942 | 32.950 | 32.958 | 32.966 | 32.974 | 32.982 | 32.990 | 32.998 | 33.006 | 33.014 | 33.022 | 33.030 | 33.038 | 33.046 | 33.054 | 33.062 | 33.070 | 33.078 | 33.086 | 33.094 | 33.102 | 33.110 | 33.118 | 33.126 | 33.134 | 33.142 | 33.150 | 33.158 | 33.166 | 33.174 | 33.182 | 33.190 | 33.198 | 33.206 | 33.214 | 33.222 | 33.230 | 33.238 | 33.246 | 33.254 | 33.262 | 33.270 | 33.278 | 33.286 | 33.294 | 33.302 | 33.310 | 33.318 | 33.326 | 33.334 | 33.342 | 33.350 | 33.358 | 33.366 | 33.374 | 33.382 | 33.390 | 33.398 | 33.406 | 33.414 | 33.422 | 33.430 | 33.438 | 33.446 | 33.454 | 33.462 | 33.470 | 33.478 | 33.486 | 33.494 | 33.502 | 33.510 | 33.518 | 33.526 | 33.534 | 33.542 | 33.550 | 33.558 | 33.566 | 33.574 | 33.582 | 33.590 | 33.598 | 33.606 | 33.614 | 33.622 | 33.630 | 33.638 | 33.646 | 33.654 | 33.662 | 33.670 | 33.678 | 33.686 | 33.694 | 33.702 | 33.710 | 33.718 | 33.726 | 33.734 | 33.742 | 33.750 | 33.758 | 33.766 | 33.774 | 33.782 | 33.790 | 33.798 | 33.806 | 33.814 | 33.822 | 33.830 | 33.838 | 33.846 | 33.854 | 33.862 | 33.870 | 33.878 | 33.886 | 33.894 | 33.902 | 33.910 | 33.918 | 33.926 | 33.934 | 33.942 | 33.950 | 33.958 | 33.966 | 33.974 | 33.982 | 33.990 | 33.998 | 34.006 | 34.014 | 34.022 | 34.030 | 34.038 | 34.046 | 34.054 | 34.062 | 34.070 | 34.078 | 34.086 | 34.094 | 34.102 | 34.110 | 34.118 | 34.126 | 34.134 | 34.142 | 34.150 | 34.158 | 34.166 | 34.174 | 34.182 | 34.190 | 34.198 | 34.206 | 34.214 | 34.222 | 34.230 | 34.238 | 34.246 | 34.254 | 34.262 | 34.270 | 34.278 | 34.286 | 34.294 | 34.302 | 34.310 | 34.318 | 34.326 | 34.334 | 34.342 | 34.350 | 34.358 | 34.366 | 34.374 | 34.382 | 34.390 | 34.398 | 34.406 | 34.414 | 34.422 | 34.430 | 34.438 | 34.446 | 34.454 | 34.462 | 34.470 | 34.478 | 34.486 | 34.494 | 34.502 | 34.510 | 34.518 | 34.526 | 34.534 | 34.542 | 34.550 | 34.558 | 34.566 | 34.574 | 34.582 | 34.590 | 34.598 | 34.606 | 34.614 | 34.622 | 34.630 | 34.638 | 34.646 | 34.654 | 34.662 | 34.670 | 34.678 | 34.686 | 34.694 | 34.702 | 34.710 | 34.718 | 34.726 | 34.734 | 34.742 | 34.750 | 34.758 | 34.766 | 34.774 | 34.782 | 34.790 | 34.798 | 34.806 | 34.814 | 34.822 | 34.830 | 34.838 | 34.846 | 34.854 | 34.862 | 34.870 | 34.878 | 34.886 | 34.894 | 34.902 | 34.910 | 34.918 | 34.926 | 34.934 | 34.942 | 34.950 | 34.958 | 34.966 | 34.974 | 34.982 | 34.990 | 34.998 | 35.006 | 35.014 | 35.022 | 35.030 | 35.038 | 35.046 | 35.054 | 35.062 | 35.070 | 35.078 | 35.086 | 35.094 | 35.102 | 35.110 | 35.118 | 35.126 | 35.134 | 35.142 | 35.150 | 35.158 | 35.166 | 35.174 | 35.182 | 35.190 | 35.198 | 35.206 | 35.214 | 35.222 | 35.230 | 35.238 | 35.246 | 35.254 | 35.262 | 35.270 | 35.278 | 35.286 | 35.294 | 35.302 | 35.310 | 35.318 | 35.326 | 35.334 | 35.342 | 35.350 | 35.358 | 35.366 | 35.374 | 35.382 | 35.390 | 35.398 | 35.406 | 35.414 | 35.422 | 35.430 | 35.438 | 35.446 | 35.454 | 35.462 | 35.470 | 35.478 | 35.486 | 35.494 | 35.502 | 35.510 | 35.518 | 35.526 | 35.534 | 35.542 | 35.550 | 35.558 | 35.566 | 35.574 | 35.582 | 35.590 | 35.598 | 35.606 | 35.614 | 35.622 | 35.630 | 35.638 | 35.646 | 35.654 | 35.662 | 35.670 | 35.678 | 35.686 | 35.694 | 35.702 | 35.710 | 35.718 | 35.726 | 35.734 | 35.742 | 35.750 | 35.758 | 35.766 | 35.774 | 35.782 | 35.790 | 35.798 | 35.806 | 35.814 | 35.822 | 35.830 | 35.838 | 35.846 | 35.854 | 35.862 | 35.870 | 35.878 | 35.886 | 35.894 | 35.902 | 35.910 | 35.918 | 35.926 | 35.934 | 35.942 | 35.950 | 35.958 | 35.966 | 35.974 | 35.982 | 35.990 | 35.998 | 36.006 | 36.014 | 36.022 | 36.030 | 36.038 | 36.046 | 36.054 | 36.062 | 36.070 | 36.078 | 36.086 | 36.094 | 36.102 | 36.110 | 36.118 | 36.126 | 36.134 | 36.142 | 36.150 | 36.158 | 36.166 | 36.174 | 36.182 | 36.190 | 36.198 | 36.206 | 36.214 | 36.222 | 36.230 | 36.238 | 36.246 | 36.254 | 36.262 | 36.270 | 36.278 | 36.286 | 36.294 | 36.302 | 36.310 | 36.318 | 36.326 | 36.334 | 36.342 | 36.350 | 36.358 | 36.366 | 36.374 | 36.382 | 36.390 | 36.398 | 36.406 | 36.414 | 36.422 | 36.430 | 36.438 | 36.446 | 36.454 | 36.462 | 36.470 | 36.478 | 36.486 | 36.494 | 36.502 | 36.510 | 36.518 | 36.526 | 36.534 | 36.542 | 36.550 | 36.558 | 36.566 | 36.574 | 36.582 | 36.590 | 36.598 | 36.606 | 36.614 | 36.622 | 36.630 | 36.638 | 36.646 | 36.654 | 36.662 | 36.670 | 36.678 | 36.686 | 36.694 | 36.702 | 36.710 | 36.718 | 36.726 | 36.734 | 36.742 | 36.750 | 36.758 | 36.766 | 36.774 | 36.782 | 36.790 | 36.798 | 36.806 | 36.814 | 36.822 | 36.830 | 36.838 | 36.846 | 36.854 | 36.862 | 36.870 | 36.878 | 36.886 | 36.894 | 36.902 | 36.910 | 36.918 | 36.926 | 36.934 | 36.942 | 36.950 | 36.958 | 36.966 | 36.974 | 36.982 | 36.990 | 36.998 | 37.006 | 37.014 | 37.022 | 37.030 | 37.038 | 37.046 | 37.054 | 37.062 | 37.070 | 37.078 | 37.086 | 37.094 | 37.102 | 37.110 | 37.118 | 37.126 | 37.134 | 37.142 | 37.150 | 37.158 | 37.166 | 37.174 | 37.182 | 37.190 | 37.198 | 37.206 | 37.214 | 37.222 | 37.230 | 37.238 | 37.246 | 37.254 | 37.262 | 37.270 | 37.278 | 37.286 | 37.294 | 37.302 | 37.310 | 37.318 | 37.326 | 37.334 | 37.342 | 37.350 | 37.358 | 37.366 | 37.374 | 37.382 | 37.390 | 37.398 | 37.406 | 37.414 | 37.422 | 37.430 | 37.438 | 37.446 | 37.454 | 37.462 | 37.470 | 37.478 | 37.486 | 37.494 | 37.502 | 37.510 | 37.518 | 37.526 | 37.534 | 37.542 | 37.550 | 37.558 | 37.566 | 37.574 | 37.582 | 37.590 | 37.598 | 37.606 | 37.614 | 37.622 | 37.630 | 37.638 | 37.646 | 37.654 | 37.662 | 37.670 | 37.678 | 37.686 | 37.694 | 37.702 | 37.710 | 37.718 | 37.726 | 37.734 | 37.742 | 37.750 | 37.758 | 37.766 | 37.774 | 37.782 | 37.790 | 37.798 | 37.806 | 37.814 | 37.822 | 37.830 | 37.838 | 37.846 | 37.854 | 37.862 | 37.870 | 37.878 | 37.886 | 37.894 | 37.902 | 37.910 | 37.918 | 37.926 | 37.934 | 37.942 | 37.950 | 37.958 | 37.966 | 37.974 | 37.982 | 37.990 | 37.998 | 38.006 | 38.014 | 38.022 | 38.030 | 38.038 | 38.046 | 38.054 | 38.062 | 38.070 | 38.078 | 38.086 | 38.094 | 38.102 | 38.110 | 38.118 | 38.126 | 38.134 | 38.142 | 38.150 | 38.158 | 38.166 | 38.174 | 38.182 | 38.190 | 38.198 | 38.206 | 38.214 | 38.222 | 38.230 | 38.238 | 38.246 | 38.254 | 38.262 | 38.270 | 38.278 | 38.286 | 38.294 | 38.302 | 38.310 | 38.318 | 38.326 | 38.334 | 38.342 | 38.350 | 38.358 | 38.366 | 38.374 | 38.382 | 38.390 | 38.398 | 38.406 | 38.414 | 38.422 | 38.430 | 38.438 | 38.446 | 38.454 | 38.462 | 38.470 | 38.478 | 38.486 | 38.494 | 38.502 | 38.510 | 38.518 | 38.526 | 38.534 | 38.542 | 38.550 | 38.558 | 38.566 | 38.574 | 38.582 | 38.590 | 38.598 | 38.606 | 38.614 | 38.622 | 38.630 | 38.638 | 38.646 | 38.654 | 38.662 | 38.670 | 38.678 | 38.686 | 38.694 | 38.702 | 38.710 | 38.718 | 38.726 | 38.734 | 38.742 | 38.750 | 38.758 | 38.766 | 38.774 | 38.782 | 38.790 | 38.798 | 38.806 | 38.814 | 38.822 | 38.830 | 38.838 | 38.846 | 38.854 | 38.862 | 38.870 | 38.878 | 38.886 | 38.894 | 38.902 | 38.910 | 38.918 | 38.926 | 38.934 | 38.942 | 38.950 | 38.958 | 38.966 | 38.974 | 38.982 | 38.990 | 38.998 | 39.006 | 39.014 | 39.022 | 39.030 | 39.038 | 39.046 | 39.054 | 39.062 | 39.070 | 39.078 | 39.086 | 39.094 | 39.102 | 39.110 | 39.118 | 39.126 | 39.134 | 39.142 | 39.150 | 39.158 | 39.166 | 39.174 | 39.182 | 39.190 | 39.198 | 39.206 | 39.214 | 39.222 | 39.230 | 39.238 | 39.246 | 39.254 | 39.262 | 39.270 | 39.278 | 39.286 | 39.294 | 39.302 | 39.310 | 39. |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 36.903 | 0.012 | 36.918 | -0.015 | 36.931 | -0.010 | 36.954 | -0.022 | 40.187 | 0.001 | 40.204 | -0.008 | 40.217 | -0.031 | 40.233 | -0.035 |
| 36.964 | -0.013 | 36.980 | 0.011 | 36.996 | 0.034 | 37.011 | 0.003 | 40.246 | -0.040 | 40.265 | -0.039 | 40.281 | -0.026 | 40.294 | -0.003 |
| 37.025 | -0.019 | 37.038 | -0.014 | 37.059 | 0.001 | 37.079 | 0.007 | 40.306 | 0.015 | 40.316 | 0.020 | 40.331 | 0.015 | 40.344 | 0.025 |
| 37.054 | 0.030 | 37.113 | 0.054 | 37.132 | 0.051 | 37.146 | 0.025 | 40.361 | 0.034 | 40.376 | 0.034 | 40.397 | 0.038 | 40.415 | 0.034 |
| 37.166 | 0.003 | 37.178 | -0.014 | 37.189 | -0.009 | 37.204 | 0.015 | 40.426 | 0.025 | 40.439 | 0.007 | 40.454 | 0.007 | 40.468 | 0.012 |
| 37.222 | 0.016 | 37.241 | 0.022 | 37.251 | 0.037 | 37.269 | 0.043 | 40.486 | 0.016 | 40.506 | 0.012 | 40.522 | -0.002 | 40.537 | -0.015 |
| 37.266 | 0.026 | 37.296 | -0.010 | 37.310 | -0.018 | 37.330 | 0.001 | 40.554 | -0.024 | 40.570 | -0.024 | 40.582 | -0.024 | 40.595 | -0.028 |
| 37.352 | 0.017 | 37.368 | 0.031 | 37.384 | 0.032 | 37.384 | 0.032 | 40.607 | -0.050 | 40.620 | -0.050 | 40.630 | -0.045 | 40.644 | -0.031 |
| 37.400 | 0.020 | 37.416 | 0.016 | 37.433 | 0.053 | 37.453 | 0.050 | 40.659 | -0.036 | 40.676 | -0.035 | 40.690 | -0.021 | 40.706 | -0.012 |
| 37.469 | 0.042 | 37.487 | 0.043 | 37.498 | 0.011 | 37.514 | 0.012 | 40.719 | -0.012 | 40.728 | -0.021 | 40.747 | -0.029 | 40.760 | -0.011 |
| 37.531 | 0.017 | 37.545 | 0.023 | 37.558 | 0.023 | 37.574 | 0.033 | 40.774 | -0.010 | 40.788 | -0.023 | 40.803 | -0.000 | 40.818 | 0.000 |
| 37.592 | 0.029 | 37.611 | 0.011 | 37.645 | 0.012 | 37.664 | 0.008 | 40.836 | 0.005 | 40.856 | 0.015 | 40.875 | -0.014 | 40.894 | 0.016 |
| 37.680 | 0.018 | 37.699 | 0.000 | 37.720 | -0.022 | 37.744 | -0.052 | 40.910 | 0.007 | 40.928 | 0.003 | 40.945 | -0.014 | 40.961 | -0.023 |
| 37.767 | -0.056 | 37.769 | -0.047 | 37.790 | -0.046 | 37.809 | -0.045 | 40.976 | -0.041 | 40.990 | -0.040 | 41.001 | -0.053 | 41.016 | -0.057 |
| 37.824 | -0.026 | 37.840 | 0.006 | 37.855 | 0.007 | 37.870 | -0.011 | 41.031 | -0.038 | 41.050 | -0.038 | 41.064 | -0.038 | 41.078 | -0.038 |
| 37.882 | -0.029 | 37.892 | -0.019 | 37.899 | -0.010 | 37.907 | 0.009 | 41.095 | -0.037 | 41.109 | -0.037 | 41.124 | -0.037 | 41.139 | -0.023 |
| 37.921 | 0.010 | 37.933 | 0.006 | 37.944 | -0.007 | 37.955 | -0.007 | 41.153 | 0.000 | 41.171 | 0.023 | 41.187 | 0.033 | 41.201 | 0.038 |
| 37.965 | 0.007 | 37.978 | 0.021 | 37.987 | -0.001 | 38.000 | -0.014 | 41.214 | 0.038 | 41.225 | 0.029 | 41.238 | 0.016 | 41.251 | 0.016 |
| 38.013 | -0.013 | 38.024 | -0.009 | 38.038 | -0.013 | 38.046 | -0.022 | 41.265 | 0.016 | 41.280 | 0.021 | 41.298 | 0.021 | 41.311 | 0.003 |
| 38.055 | -0.008 | 38.068 | 0.020 | 38.077 | 0.015 | 38.087 | 0.011 | 41.324 | 0.008 | 41.338 | 0.026 | 41.353 | 0.013 | 41.368 | -0.005 |
| 38.101 | 0.007 | 38.114 | 0.016 | 38.127 | 0.021 | 38.141 | 0.009 | 41.384 | -0.022 | 41.401 | -0.022 | 41.417 | -0.021 | 41.436 | -0.021 |
| 38.154 | 0.000 | 38.165 | 0.014 | 38.179 | 0.028 | 38.191 | 0.042 | 41.456 | -0.020 | 41.465 | -0.006 | 41.485 | -0.010 | 41.499 | -0.015 |
| 38.202 | 0.023 | 38.216 | 0.013 | 38.230 | -0.010 | 38.244 | -0.007 | 41.514 | 0.009 | 41.528 | 0.032 | 41.547 | 0.046 | 41.565 | 0.047 |
| 38.264 | -0.023 | 38.280 | 0.026 | 38.296 | 0.033 | 38.311 | -0.027 | 41.580 | 0.052 | 41.598 | 0.052 | 41.608 | 0.053 | 41.625 | 0.058 |
| 38.325 | -0.008 | 38.339 | 0.020 | 38.350 | 0.039 | 38.364 | 0.026 | 41.642 | 0.063 | 41.656 | 0.050 | 41.670 | 0.064 | 41.686 | 0.073 |
| 38.373 | 0.009 | 38.383 | -0.009 | 38.397 | -0.003 | 38.410 | 0.002 | 41.701 | 0.055 | 41.716 | 0.033 | 41.732 | 0.015 | 41.746 | 0.020 |
| 38.422 | 0.007 | 38.433 | -0.001 | 38.449 | -0.023 | 38.461 | -0.027 | 41.759 | -0.020 | 41.771 | 0.007 | 41.785 | -0.011 | 41.800 | -0.011 |
| 38.474 | 0.001 | 38.491 | 0.006 | 38.505 | 0.021 | 38.519 | 0.036 | 41.824 | -0.007 | 41.845 | -0.016 | 41.861 | -0.029 | 41.871 | -0.039 |
| 38.533 | 0.007 | 38.547 | 0.034 | 38.558 | -0.017 | 38.573 | 0.001 | 41.879 | -0.039 | 41.896 | -0.039 | 41.905 | -0.034 | 41.921 | -0.025 |
| 38.587 | -0.007 | 38.598 | -0.020 | 38.608 | -0.019 | 38.620 | -0.000 | 41.933 | -0.011 | 41.948 | 0.002 | 41.958 | -0.002 | 41.968 | -0.011 |
| 38.636 | 0.019 | 38.646 | 0.033 | 38.657 | 0.024 | 38.669 | 0.007 | 41.983 | -0.020 | 41.997 | -0.002 | 42.012 | 0.003 | 42.028 | -0.011 |
| 38.683 | -0.016 | 38.697 | -0.029 | 38.710 | -0.015 | 38.726 | 0.003 | 42.038 | -0.001 | 42.055 | 0.008 | 42.071 | 0.003 | 42.080 | -0.001 |
| 38.746 | 0.001 | 38.764 | -0.001 | 38.783 | -0.000 | 38.800 | 0.000 | 42.109 | 0.004 | 42.128 | -0.001 | 42.148 | -0.010 | 42.166 | -0.014 |
| 38.817 | -0.013 | 38.834 | -0.003 | 38.850 | 0.015 | 38.869 | 0.021 | 42.184 | -0.023 | 42.199 | -0.023 | 42.213 | -0.036 | 42.226 | -0.036 |
| 38.885 | 0.030 | 38.902 | 0.049 | 38.919 | 0.045 | 38.938 | 0.037 | 42.240 | -0.023 | 42.257 | -0.010 | 42.274 | -0.005 | 42.285 | 0.008 |
| 38.955 | 0.034 | 38.969 | 0.044 | 38.984 | 0.040 | 38.996 | 0.032 | 42.303 | 0.008 | 42.318 | 0.008 | 42.334 | 0.008 | 42.352 | 0.003 |
| 39.009 | 0.033 | 39.023 | 0.029 | 39.037 | 0.003 | 39.051 | -0.014 | 42.364 | 0.007 | 42.383 | 0.007 | 42.396 | 0.016 | 42.410 | 0.034 |
| 39.065 | -0.009 | 39.081 | 0.002 | 39.098 | 0.003 | 39.119 | 0.004 | 42.425 | -0.039 | 42.441 | 0.043 | 42.461 | 0.043 | 42.476 | 0.039 |
| 39.133 | 0.010 | 39.148 | 0.015 | 39.163 | 0.006 | 39.177 | -0.007 | 42.491 | 0.012 | 42.506 | -0.015 | 42.519 | -0.024 | 42.536 | -0.029 |
| 39.191 | -0.006 | 39.202 | 0.008 | 39.219 | 0.022 | 39.235 | 0.023 | 42.546 | -0.029 | 42.558 | -0.024 | 42.572 | -0.010 | 42.586 | -0.010 |
| 39.248 | 0.010 | 39.263 | 0.010 | 39.274 | 0.011 | 39.289 | 0.012 | 42.603 | -0.010 | 42.618 | -0.000 | 42.632 | 0.005 | 42.649 | 0.005 |
| 39.300 | 0.012 | 39.308 | 0.026 | 39.319 | 0.040 | 39.337 | 0.032 | 42.663 | -0.008 | 42.680 | -0.017 | 42.694 | -0.008 | 42.710 | 0.002 |
| 39.348 | 0.023 | 39.364 | 0.010 | 39.380 | 0.010 | 39.396 | 0.028 | 42.724 | 0.003 | 42.784 | 0.003 | 42.795 | 0.002 | 42.807 | 0.008 |
| 39.407 | 0.019 | 39.423 | 0.002 | 39.442 | 0.007 | 39.456 | -0.002 | 42.815 | -0.001 | 42.825 | -0.005 | 42.842 | -0.005 | 42.856 | -0.005 |
| 39.472 | 0.020 | 39.483 | 0.002 | 39.496 | -0.020 | 39.511 | -0.034 | 42.873 | -0.005 | 42.885 | -0.018 | 42.898 | -0.018 | 42.912 | -0.013 |
| 39.527 | 0.048 | 39.538 | 0.025 | 39.554 | 0.025 | 39.565 | 0.025 | 42.926 | -0.013 | 42.943 | -0.018 | 42.956 | -0.022 | 42.974 | -0.017 |
| 39.577 | 0.008 | 39.596 | 0.052 | 39.610 | 0.052 | 39.625 | 0.057 | 42.990 | -0.013 | 43.010 | -0.030 | 43.023 | -0.021 | 43.039 | -0.011 |
| 39.637 | 0.061 | 39.650 | 0.075 | 39.668 | 0.066 | 39.684 | 0.052 | 43.056 | -0.015 | 43.071 | -0.024 | 43.088 | -0.010 | 43.106 | -0.000 |
| 39.699 | 0.034 | 39.715 | 0.029 | 39.730 | 0.029 | 39.747 | 0.029 | 43.120 | -0.009 | 43.130 | -0.022 | 43.144 | -0.022 | 43.156 | -0.008 |
| 39.760 | 0.020 | 39.775 | 0.011 | 39.789 | 0.011 | 39.802 | 0.025 | 43.175 | -0.008 | 43.194 | -0.007 | 43.212 | -0.012 | 43.228 | -0.011 |
| 39.818 | -0.007 | 39.833 | -0.011 | 39.848 | -0.020 | 39.864 | -0.011 | 43.245 | -0.016 | 43.256 | -0.006 | 43.269 | -0.006 | 43.285 | -0.003 |
| 39.878 | -0.007 | 39.890 | -0.002 | 39.905 | -0.025 | 39.921 | -0.016 | 43.304 | -0.046 | 43.314 | -0.033 | 43.329 | -0.019 | 43.342 | -0.018 |
| 39.935 | -0.011 | 39.949 | -0.002 | 39.964 | 0.007 | 39.976 | 0.007 | 43.358 | -0.023 | 43.371 | -0.022 | 43.383 | -0.004 | 43.396 | 0.015 |
| 39.993 | 0.007 | 40.006 | 0.017 | 40.024 | 0.039 | 40.045 | 0.044 | 43.415 | -0.011 | 43.422 | 0.002 | 43.435 | 0.007 | 43.447 | 0.016 |
| 40.058 | 0.040 | 40.071 | 0.026 | 40.083 | 0.008 | 40.099 | 0.008 | 43.461 | 0.030 | 43.475 | 0.022 | 43.490 | 0.009 | 43.502 | 0.005 |
| 40.117 | 0.009 | 40.134 | 0.009 | 40.153 | 0.009 | 40.170 | 0.009 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 43.514 | 0.000 | 43.526 | 0.000 | 43.540 | 0.010 | 43.557 | 0.010 | 46.930 | 0.005 | 46.946 | -0.004 | 46.966 | -0.012 | 46.986 | -0.016 |
| 43.571 | 0.010 | 43.595 | -0.001 | 43.609 | -0.003 | 43.627 | -0.003 | 47.004 | -0.021 | 47.015 | -0.020 | 47.034 | -0.002 | 47.054 | -0.008 |
| 43.641 | -0.002 | 43.655 | -0.002 | 43.675 | -0.011 | 43.689 | -0.011 | 47.058 | -0.010 | 47.075 | -0.014 | 47.092 | -0.009 | 47.109 | -0.008 |
| 43.704 | -0.007 | 43.717 | -0.002 | 43.732 | 0.002 | 43.745 | -0.016 | 47.125 | -0.004 | 47.137 | -0.017 | 47.152 | -0.030 | 47.165 | -0.011 |
| 43.761 | -0.011 | 43.779 | -0.011 | 43.798 | -0.006 | 43.820 | -0.015 | 47.180 | -0.013 | 47.197 | -0.018 | 47.213 | -0.014 | 47.229 | -0.003 |
| 43.831 | -0.015 | 43.846 | 0.003 | 43.864 | 0.017 | 43.880 | 0.022 | 47.245 | -0.012 | 47.266 | -0.006 | 47.274 | -0.008 | 47.285 | -0.008 |
| 43.901 | 0.017 | 43.925 | 0.013 | 43.940 | 0.013 | 43.962 | 0.014 | 47.303 | 0.004 | 47.316 | 0.000 | 47.331 | -0.001 | 47.345 | -0.001 |
| 43.976 | 0.014 | 43.993 | 0.001 | 44.009 | -0.004 | 44.029 | 0.001 | 47.361 | -0.003 | 47.377 | -0.002 | 47.390 | -0.004 | 47.407 | -0.014 |
| 44.045 | -0.001 | 44.059 | -0.017 | 44.075 | -0.026 | 44.089 | -0.021 | 47.424 | -0.014 | 47.443 | -0.009 | 47.463 | -0.004 | 47.477 | -0.008 |
| 44.104 | -0.016 | 44.119 | 0.002 | 44.139 | 0.011 | 44.157 | 0.016 | 47.454 | -0.007 | 47.510 | -0.002 | 47.527 | -0.011 | 47.543 | -0.010 |
| 44.176 | 0.011 | 44.192 | -0.002 | 44.209 | -0.020 | 44.227 | -0.020 | 47.556 | -0.010 | 47.576 | -0.005 | 47.590 | -0.000 | 47.604 | -0.015 |
| 44.242 | -0.020 | 44.252 | -0.029 | 44.266 | -0.038 | 44.280 | -0.042 | 47.619 | 0.015 | 47.637 | 0.016 | 47.654 | -0.003 | 47.674 | -0.001 |
| 44.303 | -0.042 | 44.319 | -0.037 | 44.333 | -0.032 | 44.349 | -0.027 | 47.690 | -0.000 | 47.703 | 0.000 | 47.717 | 0.001 | 47.730 | 0.001 |
| 44.369 | -0.009 | 44.380 | -0.018 | 44.392 | -0.031 | 44.410 | -0.039 | 47.745 | -0.003 | 47.760 | -0.002 | 47.773 | -0.011 | 47.786 | -0.020 |
| 44.425 | -0.039 | 44.441 | -0.039 | 44.455 | -0.043 | 44.466 | -0.033 | 47.803 | -0.023 | 47.816 | -0.028 | 47.831 | -0.036 | 47.847 | -0.040 |
| 44.478 | -0.015 | 44.496 | -0.009 | 44.508 | -0.018 | 44.525 | -0.008 | 47.861 | -0.040 | 47.876 | -0.039 | 47.890 | -0.038 | 47.905 | -0.033 |
| 44.538 | -0.006 | 44.552 | -0.003 | 44.567 | -0.002 | 44.581 | 0.003 | 47.919 | -0.029 | 47.939 | -0.028 | 47.953 | -0.023 | 47.966 | -0.004 |
| 44.599 | 0.017 | 44.610 | 0.017 | 44.628 | 0.018 | 44.644 | 0.023 | 47.984 | 0.001 | 48.003 | -0.003 | 48.020 | -0.007 | 48.036 | -0.002 |
| 44.661 | 0.028 | 44.678 | 0.020 | 44.693 | 0.016 | 44.708 | 0.007 | 48.051 | 0.007 | 48.062 | -0.002 | 48.077 | -0.015 | 48.088 | -0.010 |
| 44.725 | 0.003 | 44.740 | -0.015 | 44.756 | -0.023 | 44.770 | -0.005 | 48.105 | 0.004 | 48.131 | -0.000 | 48.157 | -0.000 | 48.179 | -0.008 |
| 44.784 | -0.009 | 44.803 | -0.008 | 44.816 | -0.013 | 44.829 | -0.003 | 48.194 | -0.017 | 48.215 | -0.026 | 48.234 | -0.021 | 48.252 | -0.011 |
| 44.845 | 0.006 | 44.860 | 0.007 | 44.875 | -0.002 | 44.886 | 0.012 | 48.276 | -0.011 | 48.298 | -0.006 | 48.320 | -0.005 | 48.335 | -0.009 |
| 44.898 | 0.017 | 44.917 | 0.017 | 44.932 | 0.004 | 44.947 | 0.013 | 48.355 | -0.018 | 48.370 | -0.008 | 48.388 | -0.003 | 48.410 | 0.006 |
| 44.962 | 0.018 | 44.976 | 0.019 | 44.992 | 0.028 | 45.008 | 0.029 | 48.432 | 0.007 | 48.447 | 0.007 | 48.461 | 0.008 | 48.477 | 0.017 |
| 45.020 | 0.034 | 45.036 | 0.034 | 45.052 | 0.035 | 45.064 | 0.026 | 48.493 | 0.018 | 48.515 | 0.001 | 48.531 | 0.014 | 48.552 | 0.010 |
| 45.080 | 0.013 | 45.093 | -0.003 | 45.111 | -0.018 | 45.127 | -0.019 | 48.571 | 0.006 | 48.591 | 0.001 | 48.606 | -0.002 | 48.624 | 0.002 |
| 45.138 | 0.005 | 45.154 | -0.003 | 45.170 | -0.007 | 45.182 | -0.021 | 48.643 | 0.007 | 48.658 | 0.007 | 48.678 | 0.016 | 48.702 | 0.020 |
| 45.199 | -0.029 | 45.218 | -0.029 | 45.234 | -0.029 | 45.246 | -0.028 | 48.722 | 0.025 | 48.741 | 0.025 | 48.760 | 0.025 | 48.786 | 0.020 |
| 45.259 | -0.019 | 45.275 | -0.009 | 45.292 | -0.004 | 45.310 | -0.004 | 48.801 | 0.016 | 48.812 | 0.007 | 48.824 | 0.007 | 48.839 | 0.011 |
| 45.323 | -0.013 | 45.337 | -0.017 | 45.352 | -0.016 | 45.364 | -0.007 | 48.857 | 0.011 | 48.873 | -0.002 | 48.883 | -0.002 | 48.899 | -0.006 |
| 45.379 | 0.003 | 45.395 | 0.012 | 45.411 | 0.026 | 45.430 | 0.036 | 48.918 | -0.002 | 48.943 | -0.002 | 48.957 | -0.006 | 48.978 | -0.001 |
| 45.446 | 0.041 | 45.463 | 0.050 | 45.483 | 0.051 | 45.502 | 0.047 | 48.954 | -0.006 | 49.016 | 0.004 | 49.039 | -0.000 | 49.061 | 0.004 |
| 45.516 | 0.051 | 45.533 | 0.047 | 45.545 | 0.030 | 45.561 | 0.021 | 49.081 | 0.005 | 49.100 | 0.010 | 49.120 | 0.006 | 49.147 | 0.006 |
| 45.575 | 0.021 | 45.585 | 0.021 | 45.596 | 0.017 | 45.611 | 0.004 | 49.166 | 0.007 | 49.189 | 0.003 | 49.210 | 0.008 | 49.224 | 0.017 |
| 45.630 | -0.005 | 45.646 | -0.009 | 45.662 | -0.017 | 45.683 | -0.016 | 49.240 | 0.022 | 49.255 | 0.009 | 49.265 | 0.009 | 49.279 | 0.019 |
| 45.658 | -0.020 | 45.675 | -0.019 | 45.690 | -0.019 | 45.744 | -0.009 | | | | | | | | |
| 45.760 | 0.001 | 45.777 | 0.006 | 45.794 | 0.011 | 45.810 | 0.011 | | | | | | | | |
| 45.824 | 0.016 | 45.836 | 0.017 | 45.847 | 0.017 | 45.859 | 0.017 | | | | | | | | |
| 45.870 | 0.009 | 45.882 | 0.014 | 45.894 | 0.014 | 45.905 | 0.019 | | | | | | | | |
| 45.918 | 0.010 | 45.934 | 0.010 | 45.949 | 0.001 | 45.961 | -0.003 | | | | | | | | |
| 45.974 | -0.007 | 45.987 | -0.003 | 46.002 | -0.003 | 46.016 | -0.012 | | | | | | | | |
| 46.030 | -0.025 | 46.043 | -0.025 | 46.061 | -0.020 | 46.080 | -0.025 | | | | | | | | |
| 46.057 | -0.012 | 46.112 | -0.025 | 46.126 | -0.025 | 46.139 | -0.025 | | | | | | | | |
| 46.151 | -0.029 | 46.166 | -0.029 | 46.180 | -0.020 | 46.198 | -0.020 | | | | | | | | |
| 46.212 | -0.025 | 46.228 | -0.016 | 46.245 | -0.016 | 46.264 | -0.020 | | | | | | | | |
| 46.279 | -0.025 | 46.293 | -0.011 | 46.308 | -0.011 | 46.327 | -0.011 | | | | | | | | |
| 46.344 | -0.011 | 46.359 | -0.011 | 46.375 | -0.011 | 46.388 | -0.011 | | | | | | | | |
| 46.402 | -0.001 | 46.415 | -0.015 | 46.429 | -0.015 | 46.443 | -0.019 | | | | | | | | |
| 46.455 | -0.024 | 46.468 | -0.010 | 46.482 | -0.009 | 46.497 | -0.023 | | | | | | | | |
| 46.508 | -0.014 | 46.525 | -0.004 | 46.538 | -0.004 | 46.554 | -0.017 | | | | | | | | |
| 46.568 | -0.013 | 46.580 | 0.001 | 46.595 | 0.006 | 46.607 | 0.001 | | | | | | | | |
| 46.620 | -0.003 | 46.637 | -0.003 | 46.653 | 0.006 | 46.667 | 0.016 | | | | | | | | |
| 46.685 | 0.011 | 46.700 | -0.002 | 46.718 | -0.011 | 46.735 | -0.006 | | | | | | | | |
| 46.749 | 0.003 | 46.764 | 0.004 | 46.779 | 0.004 | 46.791 | -0.005 | | | | | | | | |
| 46.805 | 0.000 | 46.820 | 0.001 | 46.835 | 0.006 | 46.848 | 0.016 | | | | | | | | |
| 46.866 | 0.016 | 46.877 | 0.008 | 46.898 | 0.004 | 46.915 | 0.005 | | | | | | | | |

IQ242

71-171 2/9/71 0600PST L.A. 800 W. FIRST ST. 16TH FL.

N37E

2290 POINTS 47.700 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 0.3297 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.049 | 0.024 | -0.035 | 0.044 | -0.022 | 0.063 | -0.008 | 3.075 | -0.049 | 3.092 | -0.029 | 3.110 | -0.008 | 3.125 | 0.020 |
| 0.085 | -0.001 | 0.109 | -0.001 | 0.133 | -0.001 | 0.157 | -0.015 | 3.142 | 0.054 | 3.158 | 0.068 | 3.167 | -0.034 | 3.177 | -0.034 |
| 0.182 | -0.022 | 0.204 | -0.021 | 0.223 | -0.018 | 0.247 | -0.014 | 3.185 | -0.061 | 3.197 | -0.069 | 3.217 | -0.041 | 3.232 | -0.040 |
| 0.270 | -0.014 | 0.289 | -0.027 | 0.310 | -0.048 | 0.324 | -0.027 | 3.251 | -0.040 | 3.261 | -0.019 | 3.275 | -0.015 | 3.285 | -0.049 |
| 0.343 | -0.013 | 0.361 | -0.020 | 0.377 | -0.026 | 0.393 | -0.053 | 3.302 | 0.063 | 3.315 | 0.063 | 3.321 | 0.091 | 3.334 | 0.105 |
| 0.415 | -0.002 | 0.434 | -0.011 | 0.462 | -0.018 | 0.491 | -0.031 | 3.350 | 0.064 | 3.363 | 0.030 | 3.378 | -0.003 | 3.394 | -0.003 |
| 0.513 | -0.050 | 0.535 | -0.036 | 0.556 | -0.029 | 0.574 | -0.015 | 3.411 | -0.044 | 3.429 | 0.058 | 3.443 | -0.138 | 3.458 | -0.033 |
| 0.598 | -0.021 | 0.623 | -0.034 | 0.647 | -0.013 | 0.676 | 0.008 | 3.476 | 0.138 | 3.496 | -0.112 | 3.505 | -0.103 | 3.521 | -0.055 |
| 0.696 | -0.019 | 0.715 | -0.039 | 0.738 | -0.065 | 0.766 | -0.017 | 3.536 | -0.027 | 3.551 | -0.020 | 3.567 | -0.008 | 3.580 | -0.049 |
| 0.788 | -0.006 | 0.812 | -0.002 | 0.842 | -0.001 | 0.859 | -0.007 | 3.597 | 0.091 | 3.614 | 0.051 | 3.630 | -0.036 | 3.650 | -0.049 |
| 0.882 | -0.006 | 0.903 | 0.008 | 0.926 | -0.046 | 0.944 | -0.080 | 3.662 | -0.063 | 3.676 | -0.164 | 3.690 | -0.062 | 3.716 | -0.034 |
| 0.965 | -0.100 | 0.987 | -0.065 | 1.007 | -0.031 | 1.025 | -0.017 | 3.732 | -0.013 | 3.751 | -0.012 | 3.769 | -0.003 | 3.785 | -0.017 |
| 1.039 | 0.045 | 1.063 | 0.052 | 1.089 | 0.032 | 1.107 | 0.028 | 3.807 | 0.004 | 3.825 | 0.046 | 3.845 | 0.040 | 3.858 | -0.017 |
| 1.122 | 0.062 | 1.141 | -0.068 | 1.161 | -0.068 | 1.183 | -0.047 | 3.875 | 0.021 | 3.894 | 0.022 | 3.911 | -0.024 | 3.932 | -0.051 |
| 1.198 | -0.013 | 1.219 | 0.078 | 1.244 | 0.029 | 1.261 | 0.002 | 3.953 | -0.050 | 3.969 | -0.063 | 3.983 | -0.028 | 4.001 | -0.007 |
| 1.279 | -0.024 | 1.298 | -0.072 | 1.320 | -0.071 | 1.340 | -0.071 | 4.015 | 0.042 | 4.034 | -0.063 | 4.053 | -0.071 | 4.071 | -0.091 |
| 1.379 | -0.045 | 1.384 | -0.028 | 1.406 | -0.000 | 1.425 | 0.035 | 4.087 | 0.030 | 4.095 | -0.024 | 4.116 | -0.071 | 4.131 | -0.105 |
| 1.438 | 0.062 | 1.454 | 0.070 | 1.468 | -0.023 | 1.488 | -0.045 | 4.148 | 0.047 | 4.210 | 0.055 | 4.222 | 0.102 | 4.235 | 0.056 |
| 1.507 | -0.078 | 1.528 | -0.064 | 1.551 | -0.042 | 1.576 | -0.021 | 4.244 | 0.089 | 4.256 | 0.065 | 4.264 | 0.049 | 4.274 | 0.015 |
| 1.550 | 0.007 | 1.603 | 0.021 | 1.619 | -0.019 | 1.631 | -0.066 | 4.289 | -0.005 | 4.295 | -0.046 | 4.316 | -0.120 | 4.327 | -0.168 |
| 1.654 | -0.099 | 1.673 | -0.057 | 1.693 | -0.002 | 1.708 | 0.038 | 4.345 | 0.085 | 4.347 | -0.016 | 4.359 | -0.064 | 4.373 | -0.064 |
| 1.727 | -0.008 | 1.743 | -0.048 | 1.760 | -0.088 | 1.777 | -0.108 | 4.366 | -0.016 | 4.396 | 0.004 | 4.416 | -0.032 | 4.428 | -0.015 |
| 1.798 | -0.067 | 1.818 | -0.012 | 1.842 | 0.016 | 1.860 | 0.003 | 4.442 | -0.035 | 4.459 | -0.004 | 4.472 | -0.021 | 4.491 | -0.027 |
| 1.883 | -0.010 | 1.907 | -0.030 | 1.928 | -0.036 | 1.947 | -0.015 | 4.502 | 0.068 | 4.517 | -0.068 | 4.528 | -0.115 | 4.543 | -0.121 |
| 1.959 | -0.008 | 1.974 | 0.013 | | | | | 4.558 | -0.086 | 4.576 | -0.031 | 4.586 | -0.031 | 4.597 | 0.035 |
| 2.030 | -0.047 | 2.052 | -0.019 | 2.072 | 0.015 | 2.084 | 0.036 | 4.614 | 0.107 | 4.627 | 0.122 | 4.643 | 0.102 | 4.657 | 0.035 |
| 2.106 | 0.009 | 2.126 | -0.024 | 2.147 | -0.051 | 2.166 | -0.091 | 4.644 | 0.107 | 4.668 | -0.047 | 4.683 | -0.128 | 4.715 | -0.133 |
| 2.178 | -0.104 | 2.195 | -0.131 | 2.214 | -0.096 | 2.231 | -0.041 | 4.668 | -0.047 | 4.744 | -0.022 | 4.757 | -0.009 | 4.772 | -0.028 |
| 2.245 | -0.000 | 2.263 | -0.035 | 2.288 | 0.028 | 2.309 | 0.009 | 4.730 | -0.084 | 4.744 | -0.022 | 4.811 | -0.040 | 4.827 | -0.009 |
| 2.330 | -0.004 | 2.348 | -0.004 | 2.368 | -0.004 | 2.382 | -0.051 | 4.781 | -0.034 | 4.756 | -0.020 | 4.867 | 0.065 | 4.883 | 0.052 |
| 2.358 | -0.064 | 2.419 | -0.063 | 2.432 | -0.022 | 2.447 | -0.001 | 4.840 | 0.043 | 4.850 | 0.051 | 4.926 | -0.075 | 4.936 | -0.095 |
| 2.467 | -0.014 | 2.481 | -0.020 | 2.504 | -0.006 | 2.513 | -0.001 | 4.902 | 0.005 | 4.913 | -0.042 | 4.967 | -0.026 | 4.982 | -0.030 |
| 2.528 | -0.033 | 2.542 | -0.046 | 2.560 | -0.046 | 2.577 | -0.045 | 4.947 | -0.108 | 4.959 | -0.067 | 5.024 | 0.146 | 5.036 | 0.106 |
| 2.556 | -0.072 | 2.611 | -0.051 | 2.628 | -0.016 | 2.641 | 0.018 | 4.995 | 0.078 | 5.009 | 0.119 | 5.068 | -0.050 | 5.081 | -0.077 |
| 2.655 | -0.002 | 2.668 | -0.008 | 2.680 | -0.022 | 2.702 | 0.033 | 5.048 | 0.045 | 5.059 | -0.009 | 5.127 | -0.051 | 5.142 | -0.056 |
| 2.716 | 0.054 | 2.734 | -0.068 | 2.752 | 0.041 | 2.768 | 0.014 | 5.096 | -0.104 | 5.112 | -0.124 | 5.177 | -0.014 | 5.187 | -0.035 |
| 2.785 | 0.001 | 2.798 | -0.013 | 2.810 | -0.026 | 2.822 | -0.060 | 5.152 | -0.041 | 5.163 | -0.000 | 5.218 | 0.111 | 5.232 | 0.058 |
| 2.837 | -0.080 | 2.858 | -0.046 | 2.873 | -0.018 | 2.894 | -0.018 | 5.156 | 0.063 | 5.206 | 0.124 | 5.266 | 0.044 | 5.285 | 0.072 |
| 2.917 | -0.004 | 2.937 | 0.017 | 2.957 | 0.017 | 2.985 | 0.011 | 5.243 | 0.071 | 5.256 | 0.071 | 5.270 | 0.031 | 5.285 | 0.031 |
| 3.004 | -0.023 | 3.020 | -0.050 | 3.035 | -0.063 | 3.055 | -0.056 | 5.257 | 0.038 | 5.311 | -0.009 | 5.321 | -0.063 | 5.333 | -0.083 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5.346 | -0.089 | 5.369 | -0.116 | 5.392 | -0.074 | 5.409 | -0.019 | 5.589 | -0.298 | 6.600 | -0.352 | 8.613 | -0.392 | 8.628 | -0.330 |
| 5.422 | -0.016 | 5.445 | 0.031 | 5.458 | -0.003 | 5.473 | -0.050 | 8.641 | -0.207 | 8.655 | -0.043 | 8.668 | 0.081 | 8.686 | 0.150 |
| 5.453 | -0.055 | 5.510 | -0.061 | 5.527 | -0.101 | 5.537 | -0.142 | 8.701 | 0.110 | 8.724 | -0.045 | 8.738 | -0.167 | 8.757 | -0.227 |
| 5.545 | -0.182 | 5.549 | -0.202 | 5.559 | -0.222 | 5.575 | -0.174 | 8.785 | -0.328 | 8.799 | -0.382 | 8.817 | -0.510 | 8.835 | -0.557 |
| 5.565 | -0.105 | 5.593 | -0.050 | 5.603 | -0.002 | 5.617 | -0.012 | 8.845 | -0.556 | 8.863 | -0.432 | 8.879 | -0.309 | 8.890 | -0.172 |
| 5.634 | 0.033 | 5.647 | 0.074 | 5.658 | 0.095 | 5.667 | 0.123 | 8.904 | -0.055 | 8.924 | -0.022 | 8.946 | 0.022 | 8.964 | 0.084 |
| 5.683 | 0.089 | 5.693 | 0.042 | 5.700 | 0.015 | 5.713 | 0.043 | 8.979 | 0.269 | 8.986 | 0.004 | 8.998 | 0.393 | 9.003 | 0.093 |
| 5.722 | 0.070 | 5.734 | 0.078 | 5.747 | 0.058 | 5.758 | 0.024 | 9.009 | 0.454 | 9.014 | 0.205 | 9.021 | 0.339 | 9.030 | 0.448 |
| 5.771 | -0.004 | 5.781 | -0.003 | 5.792 | -0.016 | 5.808 | -0.009 | 9.047 | 0.571 | 9.055 | 0.667 | 9.072 | 0.908 | 9.088 | 0.507 |
| 5.824 | -0.035 | 5.837 | -0.062 | 5.852 | -0.075 | 5.869 | -0.061 | 9.103 | 1.030 | 9.115 | 1.115 | 9.130 | 1.242 | 9.145 | 1.283 |
| 5.884 | -0.047 | 5.894 | 0.008 | 5.911 | 0.056 | 5.924 | 0.043 | 9.157 | 1.257 | 9.164 | 1.236 | 9.180 | 0.991 | 9.193 | 0.637 |
| 5.937 | 0.022 | 5.953 | 0.016 | 5.974 | 0.024 | 5.988 | -0.030 | 9.207 | 0.211 | 9.217 | 0.202 | 9.236 | 0.127 | 9.249 | 0.162 |
| 6.002 | -0.058 | 6.020 | -0.145 | 6.038 | -0.117 | 6.057 | -0.157 | 9.261 | 0.203 | 9.275 | 0.258 | 9.286 | 0.183 | 9.296 | 0.040 |
| 6.076 | -0.183 | 6.091 | -0.128 | 6.104 | -0.026 | 6.117 | 0.070 | 9.303 | -0.068 | 9.314 | -0.170 | 9.329 | -0.259 | 9.340 | -0.231 |
| 6.133 | 0.118 | 6.147 | 0.160 | 6.163 | 0.181 | 6.176 | 0.208 | 9.351 | -0.115 | 9.367 | 0.104 | 9.381 | 0.247 | 9.397 | 0.350 |
| 6.164 | 0.222 | 6.194 | 0.236 | 6.209 | 0.168 | 6.222 | 0.087 | 9.417 | 0.459 | 9.430 | 0.446 | 9.447 | 0.420 | 9.460 | 0.455 |
| 6.233 | -0.008 | 6.250 | -0.062 | 6.268 | -0.021 | 6.283 | 0.061 | 9.473 | 0.463 | 9.489 | 0.409 | 9.506 | 0.266 | 9.524 | 0.083 |
| 6.285 | 0.075 | 6.306 | 0.103 | 6.321 | 0.049 | 6.334 | -0.019 | 9.544 | -0.168 | 9.551 | -0.378 | 9.578 | -0.534 | 9.602 | -0.621 |
| 6.348 | -0.093 | 6.361 | -0.120 | 6.373 | -0.166 | 6.384 | -0.112 | 9.624 | -0.708 | 9.645 | -0.816 | 9.667 | -0.558 | 9.682 | -1.066 |
| 6.388 | -0.139 | 6.419 | -0.172 | 6.429 | -0.138 | 6.444 | -0.083 | 9.656 | -1.133 | 9.710 | -1.180 | 9.721 | -1.145 | 9.734 | -1.008 |
| 6.458 | -0.014 | 6.470 | 0.020 | 6.481 | 0.034 | 6.500 | -0.020 | 9.746 | -0.816 | 9.773 | -0.653 | 9.770 | -0.583 | 9.782 | -0.589 |
| 6.511 | -0.087 | 6.530 | 0.107 | 6.548 | -0.147 | 6.565 | -0.180 | 9.799 | -0.642 | 9.816 | -0.656 | 9.828 | -0.729 | 9.841 | -0.702 |
| 6.515 | -0.221 | 6.586 | -0.282 | 6.596 | -0.336 | 6.608 | -0.294 | 9.858 | -0.633 | 9.873 | -0.509 | 9.887 | -0.447 | 9.906 | -0.480 |
| 6.616 | -0.192 | 6.631 | -0.007 | 6.645 | 0.075 | 6.660 | 0.062 | 9.924 | -0.548 | 9.942 | -0.601 | 9.964 | -0.532 | 9.975 | -0.382 |
| 6.666 | 0.090 | 6.676 | 0.151 | 6.684 | 0.090 | 6.695 | 0.002 | 9.983 | -0.245 | 9.998 | -0.136 | *9.996 | -0.026 | 10.005 | 0.151 |
| 6.710 | -0.059 | 6.724 | -0.086 | 6.745 | -0.113 | 6.758 | -0.153 | 10.017 | 0.309 | 10.027 | 0.460 | 10.037 | 0.583 | 10.047 | 0.666 |
| 6.769 | -0.201 | 6.780 | -0.228 | 6.795 | -0.194 | 6.809 | -0.139 | 10.058 | 0.632 | 10.070 | 0.592 | 10.085 | 0.559 | 10.098 | 0.526 |
| 6.825 | -0.064 | 6.838 | 0.046 | 6.850 | 0.155 | 6.865 | -0.257 | 10.113 | 0.561 | 10.124 | 0.677 | 10.138 | 0.835 | 10.149 | 0.937 |
| 6.876 | 0.285 | 6.894 | 0.326 | 6.916 | 0.388 | 6.929 | 0.456 | 10.165 | 0.979 | 10.175 | 0.925 | 10.184 | 0.836 | 10.200 | 0.680 |
| 6.944 | 0.511 | 6.961 | 0.490 | 6.983 | 0.491 | 7.004 | 0.491 | 10.210 | 0.599 | 10.224 | 0.545 | 10.243 | 0.477 | 10.252 | 0.382 |
| 7.017 | 0.343 | 7.035 | 0.356 | 7.046 | 0.403 | 7.058 | 0.410 | 10.266 | 0.335 | 10.274 | 0.315 | 10.280 | 0.295 | 10.293 | 0.343 |
| 7.077 | 0.335 | 7.098 | 0.240 | 7.115 | 0.138 | 7.135 | 0.023 | 10.306 | 0.425 | 10.324 | 0.617 | 10.338 | 0.795 | 10.354 | 1.055 |
| 7.149 | -0.072 | 7.162 | -0.126 | 7.186 | -0.172 | 7.204 | -0.247 | 10.367 | 1.192 | 10.378 | 1.260 | 10.385 | 1.193 | 10.397 | 1.643 |
| 7.222 | -0.300 | 7.232 | -0.327 | 7.245 | -0.313 | 7.266 | -0.285 | 10.411 | 0.826 | 10.426 | 0.561 | 10.438 | 0.405 | 10.454 | 0.188 |
| 7.285 | -0.258 | 7.307 | -0.324 | 7.328 | -0.283 | 7.342 | -0.221 | 10.468 | -0.043 | 10.482 | -0.198 | 10.497 | -0.313 | 10.508 | -0.387 |
| 7.367 | -0.172 | 7.378 | -0.097 | 7.388 | -0.014 | 7.400 | -0.047 | 10.520 | -0.414 | 10.536 | -0.365 | 10.548 | -0.214 | 10.558 | -0.104 |
| 7.469 | -0.454 | 7.486 | -0.583 | 7.498 | -0.684 | 7.509 | -0.766 | 10.568 | -0.049 | 10.576 | -0.056 | 10.594 | -0.170 | 10.608 | -0.250 |
| 7.519 | -0.806 | 7.532 | -0.772 | 7.546 | -0.689 | 7.567 | -0.566 | 10.628 | -0.317 | 10.640 | -0.398 | 10.662 | -0.533 | 10.676 | -0.757 |
| 7.564 | -0.477 | 7.606 | -0.333 | 7.615 | -0.271 | 7.632 | -0.107 | 10.688 | -0.859 | 10.702 | -1.007 | 10.714 | -1.074 | 10.724 | -1.053 |
| 7.652 | -0.045 | 7.676 | 0.058 | 7.699 | 0.175 | 7.722 | 0.312 | 10.738 | -0.929 | 10.750 | -0.622 | 10.762 | -0.410 | 10.774 | -0.218 |
| 7.741 | 0.367 | 7.759 | 0.381 | 7.781 | 0.450 | 7.795 | 0.376 | 10.753 | -0.054 | 10.805 | -0.018 | 10.824 | 0.085 | 10.845 | 0.141 |
| 7.809 | 0.288 | 7.816 | 0.254 | 7.824 | 0.295 | 7.838 | 0.419 | 10.862 | 0.115 | 10.880 | 0.076 | 10.898 | 0.016 | 10.914 | 0.024 |
| 7.853 | 0.569 | 7.863 | 0.665 | 7.887 | 0.768 | 7.897 | 0.714 | 10.929 | -0.050 | 10.950 | 0.013 | 10.967 | -0.006 | 10.987 | -0.086 |
| 7.916 | 0.654 | 7.929 | 0.607 | 7.953 | 0.553 | 7.972 | 0.397 | 11.004 | -0.063 | 11.018 | -0.042 | 11.034 | -0.101 | 11.048 | -0.222 |
| 7.991 | 0.207 | 8.003 | 0.140 | 8.018 | 0.140 | 8.041 | 0.162 | 11.066 | -0.350 | 11.077 | -0.376 | 11.087 | -0.436 | 11.095 | -0.381 |
| 8.056 | 0.108 | 8.071 | 0.068 | 8.088 | 0.055 | 8.101 | 0.103 | 11.109 | -0.237 | 11.122 | -0.086 | 11.134 | 0.052 | 11.156 | 0.162 |
| 8.118 | 0.233 | 8.131 | 0.281 | 8.144 | 0.234 | 8.157 | 0.125 | 11.170 | 0.317 | 11.184 | 0.178 | 11.201 | 0.193 | 11.221 | 0.277 |
| 8.171 | 0.064 | 8.181 | 0.105 | 8.192 | 0.201 | 8.203 | 0.249 | 11.234 | 0.319 | 11.255 | 0.362 | 11.271 | 0.356 | 11.288 | 0.296 |
| 8.211 | 0.277 | 8.220 | 0.243 | 8.246 | 0.134 | 8.255 | 0.073 | 11.305 | 0.228 | 11.323 | 0.168 | 11.342 | 0.100 | 11.356 | 0.019 |
| 8.270 | 0.039 | 8.285 | 0.040 | 8.303 | 0.033 | 8.322 | -0.062 | 11.372 | -0.069 | 11.387 | -0.218 | 11.398 | -0.293 | 11.405 | -0.320 |
| 8.344 | -0.231 | 8.363 | -0.367 | 8.378 | -0.530 | 8.397 | -0.693 | 11.417 | -0.278 | 11.431 | -0.169 | 11.447 | -0.057 | 11.461 | -0.201 |
| 8.405 | -0.788 | 8.423 | -0.992 | 8.428 | -1.053 | 8.439 | -0.933 | 11.475 | -0.249 | 11.488 | 0.312 | 11.502 | 0.340 | 11.524 | -0.126 |
| 8.449 | -1.080 | 8.472 | -1.032 | 8.477 | -0.936 | 8.480 | -0.936 | 11.539 | -0.382 | 11.554 | 0.322 | 11.567 | 0.146 | 11.585 | -0.126 |
| 8.494 | -0.922 | 8.505 | -0.846 | 8.517 | -0.655 | 8.523 | -0.505 | 11.597 | -0.309 | 11.609 | -0.438 | 11.623 | -0.540 | 11.633 | -0.600 |
| 8.533 | -0.375 | 8.542 | -0.314 | 8.556 | -0.245 | 8.573 | -0.251 | 11.641 | -0.539 | 11.660 | -0.374 | 11.674 | -0.217 | 11.690 | -0.120 |
| | | | | | | | | 11.708 | -0.051 | 11.724 | -0.016 | 11.740 | -0.009 | 11.751 | 0.006 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 11.762 | -0.014 | 11.774 | -0.048 | 11.785 | -0.014 | 11.801 | -0.012 | 15.239 | -0.352 | 15.250 | -0.276 | 15.268 | -0.187 | 15.291 | -0.172 |
| 11.814 | 0.125 | 11.830 | 0.255 | 11.846 | 0.358 | 11.863 | 0.434 | 15.316 | -0.164 | 15.336 | -0.163 | 15.354 | -0.148 | 15.369 | -0.154 |
| 11.877 | 0.427 | 11.899 | 0.387 | 11.917 | 0.286 | 11.935 | 0.130 | 15.382 | -0.208 | 15.396 | -0.316 | 15.416 | -0.431 | 15.434 | -0.471 |
| 11.953 | -0.014 | 11.970 | -0.298 | 11.982 | -0.522 | 11.995 | -0.780 | 15.455 | -0.491 | 15.475 | -0.503 | 15.493 | -0.523 | 15.504 | -0.536 |
| 12.004 | -0.557 | 12.016 | -1.031 | 12.024 | -0.956 | 12.036 | -0.710 | 15.517 | -0.549 | 15.533 | -0.487 | 15.546 | -0.439 | 15.558 | -0.384 |
| 12.051 | -0.477 | 12.067 | -0.401 | 12.085 | -0.312 | 12.096 | -0.222 | 15.574 | -0.343 | 15.585 | -0.288 | 15.601 | -0.232 | 15.614 | -0.191 |
| 12.124 | -0.126 | 12.142 | -0.029 | 12.160 | 0.067 | 12.174 | 0.150 | 15.626 | -0.091 | 15.642 | -0.121 | 15.658 | -0.114 | 15.671 | -0.112 |
| 12.157 | 0.368 | 12.209 | 0.383 | 12.227 | 0.480 | 12.238 | 0.521 | 15.700 | -0.091 | 15.721 | -0.076 | 15.745 | -0.054 | 15.758 | -0.033 |
| 12.251 | 0.468 | 12.263 | 0.467 | 12.274 | 0.471 | 12.291 | 0.512 | 15.775 | -0.011 | 15.789 | -0.024 | 15.809 | -0.057 | 15.828 | -0.069 |
| 12.306 | 0.334 | 12.322 | 0.409 | 12.332 | 0.471 | 12.343 | 0.512 | 15.846 | -0.061 | 15.860 | -0.168 | 15.877 | 0.105 | 15.887 | 0.105 |
| 12.355 | 0.458 | 12.369 | 0.316 | 12.384 | 0.119 | 12.398 | -0.003 | 15.899 | -0.140 | 15.916 | 0.090 | 15.932 | 0.155 | 15.945 | 0.136 |
| 12.413 | 0.032 | 12.428 | 0.066 | 12.447 | 0.156 | 12.462 | 0.224 | 15.961 | 0.116 | 15.975 | 0.090 | 15.990 | 0.077 | 16.007 | 0.119 |
| 12.483 | 0.280 | 12.502 | 0.315 | 12.515 | 0.326 | 12.534 | 0.289 | 16.022 | 0.444 | 16.101 | 0.223 | 16.152 | 0.292 | 16.168 | 0.361 |
| 12.552 | 0.236 | 12.567 | 0.148 | 12.578 | 0.029 | 12.592 | -0.042 | 16.086 | 0.444 | 16.136 | 0.536 | 16.174 | 0.496 | 16.189 | 0.462 |
| 12.604 | -0.035 | 12.623 | -0.020 | 12.634 | 0.049 | 12.649 | 0.179 | 16.143 | 0.549 | 16.156 | 0.536 | 16.174 | 0.496 | 16.189 | 0.462 |
| 12.660 | 0.241 | 12.673 | 0.317 | 12.691 | 0.392 | 12.706 | 0.420 | 16.203 | 0.390 | 16.262 | 0.418 | 16.281 | 0.452 | 16.295 | 0.417 |
| 12.719 | 0.366 | 12.733 | 0.163 | 12.748 | -0.048 | 12.769 | -0.176 | 16.314 | 0.461 | 16.325 | 0.407 | 16.340 | 0.312 | 16.353 | 0.251 |
| 12.790 | -0.298 | 12.813 | -0.284 | 12.834 | -0.270 | 12.855 | -0.215 | 16.468 | 1.066 | 16.474 | 1.100 | 16.488 | 1.067 | 16.495 | 0.951 |
| 12.878 | -0.187 | 12.895 | -0.132 | 12.911 | -0.110 | 12.924 | 0.005 | 16.510 | 0.904 | 16.525 | 0.850 | 16.559 | 0.574 | 16.613 | 0.554 |
| 12.942 | -0.009 | 12.966 | -0.049 | 12.981 | -0.110 | 12.994 | -0.192 | 16.567 | 0.566 | 16.646 | 0.548 | 16.660 | 0.522 | 16.674 | 0.557 |
| 13.008 | -0.267 | 13.021 | -0.205 | 13.036 | -0.171 | 13.052 | -0.075 | 16.683 | 0.584 | 16.695 | 0.588 | 16.718 | 0.511 | 16.733 | 0.443 |
| 13.064 | 0.040 | 13.073 | 0.115 | 13.090 | 0.225 | 13.100 | 0.327 | 16.745 | 0.337 | 16.770 | 0.383 | 16.786 | 0.438 | 16.796 | 0.466 |
| 13.115 | 0.402 | 13.129 | 0.402 | 13.148 | 0.443 | 13.159 | 0.369 | 16.800 | 0.515 | 16.816 | 0.502 | 16.832 | 0.502 | 16.842 | 0.394 |
| 13.167 | 0.314 | 13.180 | 0.335 | 13.191 | 0.295 | 13.201 | 0.302 | 16.853 | 0.149 | 16.866 | -0.102 | 16.876 | -0.177 | 16.887 | -0.217 |
| 13.214 | 0.322 | 13.227 | 0.255 | 13.240 | 0.262 | 13.258 | 0.194 | 16.893 | -0.162 | 16.910 | 0.009 | 16.920 | 0.214 | 16.932 | 0.425 |
| 13.278 | 0.113 | 13.293 | 0.031 | 13.310 | -0.009 | 13.330 | -0.049 | 16.943 | 0.610 | 16.952 | 0.719 | 16.966 | 0.877 | 16.980 | 0.986 |
| 13.350 | 0.012 | 13.370 | 0.122 | 13.386 | 0.218 | 13.400 | 0.300 | 16.953 | 1.042 | 17.005 | 0.581 | 17.031 | 0.832 | 17.048 | 0.711 |
| 13.424 | 0.349 | 13.443 | 0.370 | 13.461 | 0.384 | 13.485 | 0.412 | 17.064 | 0.500 | 17.081 | 0.365 | 17.142 | 0.082 | 17.158 | 0.151 |
| 13.504 | 0.474 | 13.520 | 0.536 | 13.538 | 0.564 | 13.552 | 0.592 | 17.119 | 0.046 | 17.127 | 0.033 | 17.142 | 0.082 | 17.158 | 0.151 |
| 13.565 | 0.578 | 13.587 | 0.532 | 13.600 | 0.437 | 13.613 | 0.376 | 17.174 | 0.240 | 17.188 | 0.309 | 17.202 | 0.371 | 17.215 | 0.399 |
| 13.627 | 0.329 | 13.645 | 0.289 | 13.656 | 0.269 | 13.675 | 0.327 | 17.236 | 0.421 | 17.255 | 0.409 | 17.277 | 0.363 | 17.295 | 0.303 |
| 13.656 | -0.016 | 13.710 | -0.145 | 13.730 | -0.260 | 13.749 | -0.327 | 17.310 | 0.242 | 17.323 | 0.209 | 17.337 | 0.183 | 17.358 | 0.219 |
| 13.770 | -0.374 | 13.791 | -0.421 | 13.809 | -0.467 | 13.826 | -0.454 | 17.371 | 0.361 | 17.387 | 0.350 | 17.401 | 0.378 | 17.422 | 0.400 |
| 13.841 | -0.377 | 13.853 | -0.152 | 13.863 | 0.006 | 13.885 | 0.122 | 17.440 | 0.368 | 17.461 | 0.308 | 17.477 | 0.248 | 17.497 | 0.195 |
| 13.876 | 0.204 | 13.887 | 0.245 | 13.900 | 0.254 | 13.910 | 0.328 | 17.506 | 0.175 | 17.520 | 0.142 | 17.540 | 0.177 | 17.555 | 0.233 |
| 13.922 | 0.274 | 13.939 | 0.180 | 13.953 | 0.133 | 13.963 | 0.113 | 17.574 | 0.296 | 17.587 | 0.159 | 17.666 | 0.373 | 17.622 | 0.340 |
| 13.983 | 0.011 | 13.998 | -0.009 | 14.015 | -0.042 | 14.029 | -0.036 | 17.639 | 0.266 | 17.659 | 0.159 | 17.681 | 0.057 | 17.703 | -0.030 |
| 14.043 | -0.102 | 14.059 | -0.122 | 14.075 | -0.122 | 14.084 | -0.135 | 17.721 | -0.058 | 17.747 | -0.152 | 17.772 | -0.252 | 17.792 | -0.292 |
| 14.100 | -0.148 | 14.119 | -0.113 | 14.134 | -0.051 | 14.145 | 0.011 | 17.834 | -0.331 | 17.850 | -0.385 | 17.874 | -0.411 | 17.894 | -0.411 |
| 14.159 | 0.045 | 14.173 | 0.012 | 14.193 | -0.117 | 14.210 | -0.266 | 17.899 | -0.417 | 17.923 | -0.423 | 17.939 | -0.443 | 17.960 | -0.442 |
| 14.223 | -0.360 | 14.240 | -0.441 | 14.253 | -0.488 | 14.271 | -0.568 | 18.055 | -0.738 | 18.082 | -0.867 | 18.096 | -0.961 | 18.113 | -1.002 |
| 14.280 | -0.467 | 14.289 | -0.384 | 14.297 | -0.288 | 14.309 | -0.104 | 18.136 | -1.035 | 18.154 | -1.041 | 18.173 | -1.047 | 18.189 | -0.984 |
| 14.317 | -0.035 | 14.328 | 0.027 | 14.341 | 0.014 | 14.358 | 0.009 | 18.203 | -0.557 | 18.214 | -0.583 | 18.231 | -0.616 | 18.248 | -1.021 |
| 14.373 | -0.011 | 14.387 | -0.071 | 14.400 | -0.098 | 14.418 | -0.037 | 18.264 | -1.000 | 18.281 | -0.924 | 18.300 | -0.895 | 18.317 | -0.840 |
| 14.435 | -0.049 | 14.453 | -0.000 | 14.474 | -0.006 | 14.491 | -0.012 | 18.336 | -0.805 | 18.350 | -0.760 | 18.365 | -0.755 | 18.372 | -0.693 |
| 14.511 | 0.022 | 14.526 | 0.057 | 14.545 | 0.092 | 14.561 | 0.058 | 18.387 | -0.638 | 18.395 | -0.562 | 18.413 | -0.514 | 18.423 | -0.506 |
| 14.579 | 0.018 | 14.599 | -0.063 | 14.620 | -0.151 | 14.644 | -0.245 | 18.436 | -0.437 | 18.454 | -0.429 | 18.468 | -0.428 | 18.476 | -0.428 |
| 14.668 | -0.312 | 14.685 | -0.380 | 14.712 | -0.467 | 14.734 | -0.507 | 18.492 | -0.420 | 18.515 | -0.425 | 18.537 | -0.458 | 18.555 | -0.477 |
| 14.759 | -0.540 | 14.785 | -0.573 | 14.802 | -0.585 | 14.827 | -0.564 | 18.568 | -0.510 | 18.586 | -0.550 | 18.601 | -0.583 | 18.605 | -0.610 |
| 14.846 | -0.488 | 14.859 | -0.433 | 14.871 | -0.371 | 14.880 | -0.343 | 18.625 | -0.582 | 18.642 | -0.560 | 18.658 | -0.545 | 18.677 | -0.546 |
| 14.953 | -0.301 | 14.905 | -0.260 | 14.921 | -0.232 | 14.947 | -0.227 | 18.651 | -0.427 | 18.671 | -0.359 | 18.678 | -0.358 | 18.744 | -0.289 |
| 14.965 | -0.304 | 14.989 | -0.343 | 14.999 | -0.383 | 15.013 | -0.423 | | | | | | | | |
| 15.029 | -0.381 | 15.043 | -0.360 | 15.060 | -0.338 | 15.075 | -0.330 | | | | | | | | |
| 15.091 | -0.363 | 15.106 | -0.409 | 15.117 | -0.443 | 15.130 | -0.499 | | | | | | | | |
| 15.141 | -0.529 | 15.155 | -0.528 | 15.169 | -0.547 | 15.183 | -0.546 | | | | | | | | |
| 15.191 | -0.321 | 15.158 | -0.593 | 15.214 | -0.530 | 15.224 | -0.441 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 18.761 | -0.240 | 18.774 | -0.213 | 18.786 | -0.198 | 18.799 | -0.198 | 23.368 | 0.858 | 23.337 | 0.840 | 23.353 | 0.829 | 23.376 | 0.818 |
| 18.817 | -0.231 | 18.836 | -0.271 | 18.851 | -0.318 | 18.868 | -0.352 | 23.399 | 0.834 | 23.426 | 0.903 | 23.449 | 0.924 | 23.476 | 0.939 |
| 18.867 | -0.331 | 18.905 | -0.309 | 18.921 | -0.288 | 18.937 | -0.274 | 23.504 | 0.872 | 23.524 | 0.804 | 23.545 | 0.737 | 23.561 | 0.697 |
| 18.951 | -0.233 | 18.967 | -0.177 | 18.981 | -0.156 | 18.997 | -0.108 | 23.574 | 0.649 | 23.600 | 0.556 | 23.616 | 0.562 | 23.646 | 0.509 |
| 19.009 | -0.101 | 19.027 | -0.079 | 19.046 | -0.106 | 19.066 | -0.146 | 23.670 | 0.482 | 23.687 | 0.401 | 23.702 | 0.347 | 23.721 | 0.218 |
| 19.081 | -0.179 | 19.101 | -0.192 | 19.121 | -0.204 | 19.137 | -0.238 | 23.745 | 0.117 | 23.756 | 0.056 | 23.767 | 0.003 | 23.788 | -0.030 |
| 19.153 | -0.271 | 19.169 | -0.277 | 19.185 | -0.277 | 19.203 | -0.234 | 23.817 | -0.104 | 23.825 | -0.130 | 23.844 | -0.143 | 23.861 | -0.142 |
| 19.219 | -0.199 | 19.237 | -0.149 | 19.256 | -0.127 | 19.277 | -0.105 | 23.883 | -0.120 | 23.905 | -0.106 | 23.918 | -0.085 | 23.938 | -0.078 |
| 19.296 | -0.104 | 19.310 | -0.103 | 19.328 | -0.101 | 19.344 | -0.107 | 23.958 | -0.057 | 23.974 | -0.043 | 23.994 | -0.022 | 24.015 | -0.035 |
| 19.360 | -0.126 | 19.387 | -0.131 | 19.408 | -0.081 | 19.428 | -0.045 | 24.030 | -0.055 | 24.055 | -0.062 | 24.074 | -0.068 | 24.100 | -0.068 |
| 19.445 | 0.010 | 19.473 | 0.040 | 19.489 | 0.062 | 19.513 | 0.077 | 24.127 | -0.047 | 24.140 | -0.026 | 24.164 | 0.023 | 24.185 | 0.038 |
| 19.532 | 0.092 | 19.561 | 0.129 | 19.580 | 0.164 | 19.601 | 0.214 | 24.201 | 0.059 | 24.231 | 0.041 | 24.252 | 0.035 | 24.280 | 0.024 |
| 19.622 | 0.245 | 19.637 | 0.284 | 19.653 | 0.339 | 19.669 | 0.408 | 24.307 | 0.040 | 24.335 | 0.076 | 24.353 | 0.098 | 24.372 | 0.120 |
| 19.685 | 0.457 | 19.700 | 0.580 | 19.713 | 0.683 | 19.728 | 0.765 | 24.399 | 0.197 | 24.417 | 0.219 | 24.450 | 0.222 | 24.472 | 0.203 |
| 19.741 | 0.854 | 19.761 | 0.930 | 19.777 | 0.911 | 19.789 | 0.911 | 24.482 | 0.177 | 24.508 | 0.131 | 24.523 | 0.110 | 24.545 | 0.110 |
| 19.806 | 0.905 | 19.830 | 0.886 | 19.851 | 0.846 | 19.865 | 0.819 | 24.579 | 0.095 | 24.615 | 0.082 | 24.638 | 0.063 | 24.659 | 0.036 |
| 19.885 | 0.807 | 19.909 | 0.828 | 19.929 | 0.863 | 19.946 | 0.871 | 24.678 | -0.031 | 24.698 | -0.058 | 24.730 | -0.125 | 24.743 | -0.151 |
| 19.964 | 0.926 | 19.983 | 0.961 | 20.001 | 1.003 | 20.016 | 1.038 | 24.764 | -0.198 | 24.793 | -0.238 | 24.827 | -0.250 | 24.851 | -0.262 |
| 20.030 | 1.012 | 20.053 | 0.973 | 20.077 | 0.899 | 20.090 | 0.805 | 24.811 | -0.302 | 24.886 | -0.350 | 24.905 | -0.410 | 24.931 | -0.431 |
| 20.106 | 0.710 | 20.126 | 0.637 | 20.143 | 0.590 | 20.157 | 0.570 | 24.946 | -0.465 | 24.957 | -0.459 | 24.969 | -0.519 | 24.986 | -0.567 |
| 20.171 | 0.558 | 20.188 | 0.572 | 20.206 | 0.594 | 20.217 | 0.567 | 25.020 | -0.587 | 25.054 | -0.601 | 25.067 | -0.614 | 25.087 | -0.669 |
| 20.240 | 0.528 | 20.254 | 0.488 | 20.270 | 0.441 | 20.291 | 0.367 | 25.104 | -0.696 | 25.122 | -0.729 | 25.154 | -0.756 | 25.195 | -0.727 |
| 20.311 | 0.314 | 20.326 | 0.274 | 20.337 | 0.261 | 20.359 | 0.275 | 25.219 | -0.679 | 25.233 | -0.644 | 25.260 | -0.609 | 25.280 | -0.581 |
| 20.372 | 0.289 | 20.391 | 0.290 | 20.411 | 0.257 | 20.432 | 0.210 | 25.314 | -0.525 | 25.331 | -0.476 | 25.363 | -0.454 | 25.406 | -0.417 |
| 20.452 | 0.163 | 20.467 | 0.150 | 20.490 | 0.150 | 20.511 | 0.172 | 25.419 | -0.382 | 25.439 | -0.353 | 25.459 | -0.304 | 25.472 | -0.269 |
| 20.538 | 0.207 | 20.557 | 0.201 | 20.571 | 0.195 | 20.595 | 0.196 | 25.501 | -0.254 | 25.521 | -0.246 | 25.533 | -0.238 | 25.562 | -0.209 |
| 20.611 | 0.217 | 20.630 | 0.245 | 20.654 | 0.232 | 20.676 | 0.179 | 25.559 | -0.166 | 25.638 | -0.117 | 25.667 | -0.069 | 25.696 | -0.082 |
| 20.655 | 0.146 | 20.719 | 0.119 | 20.743 | 0.134 | 20.763 | 0.155 | 25.732 | -0.067 | 25.761 | -0.053 | 25.790 | -0.045 | 25.809 | -0.025 |
| 20.781 | 0.143 | 20.798 | 0.130 | 20.812 | 0.131 | 20.825 | 0.132 | 25.825 | -0.004 | 25.854 | 0.024 | 25.865 | 0.031 | 25.883 | 0.018 |
| 20.844 | 0.140 | 20.866 | 0.169 | 20.884 | 0.184 | 20.906 | 0.192 | 25.988 | 0.019 | 26.077 | 0.013 | 26.029 | 0.013 | 26.046 | 0.020 |
| 20.928 | 0.166 | 20.950 | 0.147 | 20.974 | 0.163 | 20.997 | 0.178 | 26.067 | 0.020 | 26.088 | 0.021 | 26.120 | 0.022 | 26.144 | 0.010 |
| 21.021 | 0.193 | 21.049 | 0.202 | 21.074 | 0.231 | 21.100 | 0.274 | 26.160 | -0.009 | 26.176 | -0.015 | 26.158 | -0.007 | 26.228 | 0.036 |
| 21.120 | 0.289 | 21.148 | 0.278 | 21.172 | 0.272 | 21.194 | 0.226 | 26.245 | 0.064 | 26.276 | 0.127 | 26.289 | 0.155 | 26.307 | 0.150 |
| 21.217 | 0.159 | 21.241 | 0.038 | 21.271 | -0.171 | 21.293 | -0.320 | 26.337 | 0.158 | 26.363 | 0.139 | 26.382 | 0.120 | 26.401 | 0.107 |
| 21.324 | -0.522 | 21.345 | -0.609 | 21.364 | -0.649 | 21.386 | -0.620 | 26.442 | 0.090 | 26.487 | 0.139 | 26.512 | 0.154 | 26.537 | 0.189 |
| 21.408 | -0.584 | 21.423 | -0.556 | 21.452 | -0.541 | 21.473 | -0.546 | 26.569 | 0.245 | 26.599 | 0.342 | 26.642 | 0.373 | 26.664 | 0.402 |
| 21.456 | -0.612 | 21.515 | -0.686 | 21.544 | -0.799 | 21.567 | -0.852 | 26.686 | 0.425 | 26.715 | 0.442 | 26.745 | 0.459 | 26.780 | 0.421 |
| 21.565 | -0.870 | 21.613 | -0.855 | 21.638 | -0.921 | 21.667 | -0.953 | 26.823 | 0.465 | 26.846 | 0.501 | 26.885 | 0.539 | 26.925 | 0.535 |
| 21.688 | -0.951 | 21.711 | -0.936 | 21.735 | -0.900 | 21.762 | -0.823 | 26.956 | 0.517 | 26.983 | 0.505 | 27.041 | 0.487 | 27.066 | 0.440 |
| 21.787 | -0.753 | 21.813 | -0.697 | 21.853 | -0.592 | 21.875 | -0.530 | 27.064 | 0.400 | 27.114 | 0.339 | 27.132 | 0.319 | 27.149 | 0.306 |
| 21.902 | -0.467 | 21.929 | -0.459 | 21.956 | -0.416 | 21.978 | -0.360 | 27.162 | 0.320 | 27.209 | 0.349 | 27.244 | 0.338 | 27.263 | 0.319 |
| 22.006 | -0.277 | 22.030 | -0.187 | 22.057 | -0.103 | 22.079 | -0.054 | 27.287 | 0.294 | 27.325 | 0.257 | 27.353 | 0.225 | 27.371 | 0.186 |
| 22.106 | -0.025 | 22.135 | 0.025 | 22.157 | 0.047 | 22.175 | 0.089 | 27.428 | 0.168 | 27.441 | 0.192 | 27.455 | 0.213 | 27.500 | 0.221 |
| 22.193 | 0.131 | 22.217 | 0.065 | 22.234 | 0.066 | 22.262 | 0.041 | 27.526 | 0.181 | 27.536 | 0.147 | 27.552 | 0.120 | 27.595 | 0.108 |
| 22.288 | 0.009 | 22.314 | -0.030 | 22.330 | -0.036 | 22.352 | -0.055 | 27.628 | 0.088 | 27.655 | 0.061 | 27.683 | -0.007 | 27.714 | -0.061 |
| 22.315 | 0.092 | 22.357 | 0.092 | 22.421 | 0.162 | 22.450 | 0.198 | 27.748 | -0.067 | 27.788 | -0.025 | 27.813 | -0.011 | 27.853 | -0.010 |
| 22.476 | 0.159 | 22.458 | 0.099 | 22.520 | 0.109 | 22.546 | 0.116 | 27.867 | -0.030 | 27.886 | -0.063 | 27.907 | -0.111 | 27.936 | -0.130 |
| 22.575 | -0.236 | 22.599 | -0.302 | 22.626 | -0.307 | 22.646 | -0.319 | 27.959 | -0.130 | 27.990 | -0.095 | 28.010 | -0.060 | 28.045 | -0.073 |
| 22.612 | -0.365 | 22.695 | -0.432 | 22.720 | -0.472 | 22.738 | -0.431 | 28.156 | -0.093 | 28.171 | -0.140 | 28.182 | -0.180 | 28.122 | -0.207 |
| 22.754 | -0.382 | 22.783 | -0.276 | 22.805 | -0.231 | 22.818 | -0.230 | 28.239 | -0.039 | 28.280 | -0.300 | 28.192 | -0.312 | 28.212 | -0.332 |
| 22.825 | -0.216 | 22.840 | -0.195 | 22.852 | -0.195 | 22.863 | -0.181 | 28.363 | -0.239 | 28.389 | -0.289 | 28.438 | -0.307 | 28.467 | -0.326 |
| 22.886 | -0.167 | 22.903 | -0.153 | 22.916 | -0.132 | 22.929 | -0.071 | 28.570 | -0.545 | 28.589 | -0.572 | 28.618 | -0.573 | 28.634 | -0.532 |
| 22.941 | 0.005 | 22.959 | 0.066 | 22.975 | 0.162 | 22.994 | 0.217 | 28.658 | -0.498 | 28.656 | -0.485 | 28.714 | -0.478 | 28.727 | -0.471 |
| 23.014 | 0.258 | 23.035 | 0.305 | 23.062 | 0.319 | 23.094 | 0.340 | | | | | | | | |
| 23.110 | 0.355 | 23.148 | 0.350 | 23.173 | 0.406 | 23.197 | 0.529 | | | | | | | | |
| 23.217 | 0.618 | 23.231 | 0.653 | 23.256 | 0.741 | 23.284 | 0.637 | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 28.761 | -0.437 | 28.783 | -0.424 | 28.812 | -0.390 | 28.833 | -0.383 | 36.163 | C.002 | 36.180 | C.037 | 36.214 | C.107 | 36.231 | C.142 |
| 28.858 | -0.383 | 28.895 | -0.383 | 28.911 | -0.362 | 28.943 | -0.315 | 36.265 | C.232 | 36.286 | C.253 | 36.314 | C.249 | 36.353 | C.244 |
| 28.959 | -0.294 | 28.981 | -0.253 | 29.001 | -0.219 | 29.017 | -0.199 | 36.396 | C.243 | 36.417 | C.218 | 36.446 | C.208 | 36.483 | C.206 |
| 29.049 | -0.178 | 29.086 | -0.172 | 29.106 | -0.158 | 29.121 | -0.151 | 36.499 | C.200 | 36.530 | C.264 | 36.554 | C.292 | 36.568 | C.320 |
| 29.151 | -0.117 | 29.179 | -0.103 | 29.193 | -0.083 | 29.209 | -0.056 | 36.581 | C.349 | 36.601 | C.312 | 36.631 | C.368 | 36.647 | C.350 |
| 29.227 | -0.049 | 29.268 | -0.015 | 29.308 | -0.008 | 29.333 | -0.001 | 36.663 | C.318 | 36.683 | C.032 | 36.718 | C.248 | 36.737 | C.229 |
| 29.348 | 0.012 | 29.360 | 0.033 | 29.390 | 0.074 | 29.409 | C.087 | 36.753 | C.230 | 36.790 | C.232 | 36.807 | C.240 | 36.827 | C.214 |
| 29.440 | 0.108 | 29.459 | 0.095 | 29.473 | 0.103 | 29.512 | C.063 | 36.861 | C.169 | 36.878 | C.176 | 36.900 | C.178 | 36.931 | C.221 |
| 29.532 | 0.043 | 29.554 | -0.011 | 29.594 | -0.008 | 29.613 | -0.008 | 36.958 | C.270 | 36.984 | C.218 | 37.006 | C.273 | 37.032 | C.199 |
| 29.648 | 0.008 | 29.672 | 0.022 | 29.705 | 0.038 | 29.719 | 0.052 | 37.042 | C.159 | 37.068 | C.113 | 37.082 | C.101 | 37.110 | C.124 |
| 29.751 | 0.168 | 29.778 | 0.143 | 29.810 | 0.158 | 29.844 | C.160 | 37.146 | C.175 | 37.161 | C.210 | 37.182 | C.301 | 37.211 | C.384 |
| 29.859 | 0.147 | 29.892 | 0.134 | 29.922 | 0.176 | 29.949 | C.191 | 37.236 | C.401 | 37.265 | C.418 | 37.308 | C.436 | 37.339 | C.392 |
| 29.978 | 0.267 | 29.987 | 0.288 | 30.017 | 0.323 | 30.048 | C.372 | 37.366 | C.312 | 37.394 | C.301 | 37.415 | C.249 | 37.455 | C.258 |
| 30.078 | 0.340 | 30.096 | 0.348 | 30.137 | 0.350 | 30.161 | C.358 | 37.490 | C.281 | 37.502 | C.309 | 37.536 | C.373 | 37.555 | C.313 |
| 30.183 | 0.375 | 30.204 | 0.408 | 30.222 | 0.423 | 30.241 | C.472 | 37.585 | C.289 | 37.616 | C.252 | 37.633 | C.271 | 37.658 | C.263 |
| 30.259 | 0.500 | 30.284 | 0.522 | 30.336 | 0.545 | 30.355 | C.559 | 37.702 | C.259 | 37.716 | C.260 | 37.731 | C.255 | 37.762 | C.230 |
| 30.368 | 0.580 | 30.382 | 0.608 | 30.432 | 0.596 | 30.456 | C.563 | 37.777 | C.204 | 37.796 | C.158 | 37.811 | C.118 | 37.849 | C.081 |
| 30.482 | 0.509 | 30.504 | 0.489 | 30.540 | 0.436 | 30.567 | C.389 | 37.864 | C.095 | 37.896 | C.004 | 37.911 | -0.022 | 37.947 | -0.045 |
| 30.608 | 0.356 | 30.633 | 0.309 | 30.657 | 0.256 | 30.680 | C.270 | 37.965 | -0.054 | 38.007 | -0.047 | 38.033 | -0.085 | 38.065 | -0.109 |
| 30.736 | 0.219 | 30.757 | 0.193 | 30.796 | 0.141 | 30.818 | C.122 | 38.081 | -0.128 | 38.098 | -0.147 | 38.128 | -0.151 | 38.157 | -0.183 |
| 30.851 | 0.117 | 30.879 | 0.070 | 30.905 | 0.009 | 30.932 | -0.065 | 38.194 | -0.194 | 38.224 | -0.151 | 38.256 | -0.209 | 38.276 | -0.222 |
| 31.017 | -0.132 | 31.006 | -0.172 | 31.049 | -0.192 | 31.078 | -0.212 | 38.315 | -0.248 | 38.339 | -0.274 | 38.376 | -0.287 | 38.392 | -0.321 |
| 31.117 | -0.225 | 31.168 | -0.211 | 31.208 | -0.169 | 31.245 | -0.161 | 38.409 | -0.348 | 38.451 | -0.368 | 38.478 | -0.346 | 38.504 | -0.323 |
| 31.279 | -0.140 | 31.303 | -0.112 | 31.321 | -0.077 | 31.374 | -0.014 | 38.540 | -0.252 | 38.565 | -0.223 | 38.599 | -0.206 | 38.639 | -0.221 |
| 31.413 | C.030 | 31.447 | -0.026 | 31.471 | -0.066 | 31.492 | -0.100 | 38.652 | -0.226 | 38.665 | -0.243 | 38.712 | -0.233 | 38.740 | -0.191 |
| 31.533 | C.109 | 31.553 | -0.146 | 31.582 | -0.138 | 31.622 | -0.117 | 38.759 | -0.204 | 38.802 | -0.208 | 38.819 | -0.215 | 38.840 | -0.207 |
| 31.642 | -0.116 | 31.672 | -0.135 | 31.706 | -0.187 | 31.727 | -0.241 | 38.873 | -0.206 | 38.912 | -0.202 | 38.926 | -0.248 | 38.964 | -0.265 |
| 31.776 | -0.285 | 31.802 | -0.290 | 31.834 | -0.302 | 31.874 | -0.381 | 38.986 | -0.255 | 39.029 | -0.216 | 39.052 | -0.221 | 39.080 | -0.224 |
| 31.899 | -0.462 | 31.920 | -0.509 | 31.963 | -0.563 | 32.003 | -0.596 | 39.134 | -0.246 | 39.150 | -0.258 | 39.170 | -0.276 | 39.206 | -0.287 |
| 32.084 | -0.614 | 32.138 | -0.565 | 32.180 | -0.503 | 32.242 | -0.468 | 39.230 | -0.255 | 39.267 | -0.262 | 39.287 | -0.253 | 39.306 | -0.237 |
| 32.277 | -0.447 | 32.317 | -0.351 | 32.341 | -0.330 | 32.366 | -0.316 | 39.344 | -0.241 | 39.362 | -0.221 | 39.409 | -0.232 | 39.426 | -0.223 |
| 32.433 | -0.314 | 32.464 | -0.292 | 32.506 | -0.208 | 32.537 | -0.105 | 39.444 | -0.206 | 39.482 | -0.201 | 39.503 | -0.165 | 39.527 | -0.155 |
| 32.597 | -0.021 | 32.620 | 0.063 | 32.660 | 0.154 | 32.721 | 0.171 | 39.546 | -0.098 | 39.583 | -0.053 | 39.599 | -0.017 | 39.651 | 0.043 |
| 32.713 | 0.208 | 32.816 | 0.237 | 32.858 | 0.205 | 32.908 | 0.160 | 39.675 | 0.073 | 39.716 | 0.059 | 39.744 | C.130 | 39.777 | C.155 |
| 32.969 | 0.142 | 33.038 | 0.138 | 33.099 | 0.147 | 33.151 | C.170 | 39.815 | C.146 | 39.878 | C.152 | 39.911 | 0.168 | 39.949 | C.211 |
| 33.218 | 0.186 | 33.321 | 0.197 | 33.359 | 0.185 | 33.426 | 0.168 | 39.984 | C.220 | 40.016 | 0.229 | 40.035 | C.251 | 40.054 | 0.253 |
| 33.477 | C.191 | 33.521 | 0.247 | 33.556 | 0.357 | 33.590 | C.474 | 40.072 | C.282 | 40.107 | 0.259 | 40.141 | C.283 | 40.183 | C.254 |
| 33.619 | -0.509 | 33.694 | 0.512 | 33.747 | 0.528 | 33.821 | 0.518 | 40.227 | 0.257 | 40.268 | 0.245 | 40.290 | C.232 | 40.317 | C.220 |
| 33.877 | C.474 | 33.909 | 0.429 | 33.951 | C.398 | 34.020 | 0.422 | 40.387 | 0.211 | 40.412 | C.220 | 40.427 | C.229 | 40.477 | 0.261 |
| 34.068 | 0.404 | 34.119 | 0.339 | 34.158 | 0.266 | 34.192 | C.240 | 40.508 | C.250 | 40.528 | 0.245 | 40.560 | C.221 | 40.585 | C.217 |
| 34.424 | -0.030 | 34.458 | -0.077 | 34.493 | -0.164 | 34.509 | -0.204 | 40.623 | C.234 | 40.644 | 0.244 | 40.655 | C.229 | 40.716 | 0.231 |
| 34.558 | -0.223 | 34.665 | -0.240 | 34.739 | -0.224 | 34.821 | -0.241 | 40.745 | C.213 | 40.788 | 0.217 | 40.815 | C.214 | 40.834 | C.209 |
| 34.883 | -0.265 | 34.942 | -0.289 | 35.010 | -0.238 | 35.044 | -0.195 | 40.884 | C.203 | 40.922 | 0.210 | 40.937 | C.212 | 40.960 | C.193 |
| 35.129 | -0.141 | 35.202 | -0.176 | 35.245 | -0.192 | 35.264 | -0.211 | 40.971 | C.215 | 40.987 | C.216 | 41.013 | C.218 | 41.035 | 0.193 |
| 35.296 | -0.262 | 35.322 | -0.282 | 35.377 | -0.280 | 35.432 | -0.327 | 41.067 | 0.175 | 41.104 | 0.151 | 41.132 | C.099 | 41.172 | 0.068 |
| 35.461 | -0.368 | 35.480 | -0.394 | 35.502 | -0.387 | 35.532 | -0.379 | 41.201 | C.023 | 41.245 | -0.021 | 41.274 | C.023 | 41.290 | 0.023 |
| 35.546 | -0.392 | 35.563 | -0.405 | 35.576 | -0.419 | 35.588 | -0.432 | 41.327 | -0.030 | 41.352 | -0.057 | 41.368 | -0.070 | 41.392 | -0.062 |
| 35.597 | -0.432 | 35.607 | -0.445 | 35.610 | -0.459 | 35.629 | -0.451 | 41.425 | -0.059 | 41.457 | -0.056 | 41.486 | -0.094 | 41.505 | -0.120 |
| 35.641 | -0.465 | 35.652 | -0.464 | 35.662 | -0.476 | 35.676 | -0.473 | 41.531 | -0.137 | 41.590 | -0.165 | 41.636 | -0.159 | 41.648 | -0.157 |
| 35.690 | -0.479 | 35.701 | -0.478 | 35.719 | -0.444 | 35.740 | -0.416 | 41.665 | -0.148 | 41.685 | -0.159 | 41.701 | -0.178 | 41.713 | -0.184 |
| 35.757 | -0.414 | 35.771 | -0.413 | 35.802 | -0.438 | 35.825 | -0.429 | 41.730 | -0.203 | 41.743 | -0.216 | 41.770 | -0.228 | 41.786 | -0.247 |
| 35.844 | -0.393 | 35.860 | -0.350 | 35.891 | -0.292 | 35.906 | -0.283 | 41.803 | -0.246 | 41.820 | -0.246 | 41.841 | -0.245 | 41.857 | -0.244 |
| 35.923 | -0.278 | 35.947 | -0.278 | 35.958 | -0.284 | 35.973 | -0.282 | 41.870 | -0.243 | 41.890 | -0.246 | 41.927 | -0.237 | 41.951 | -0.234 |
| 36.002 | -0.265 | 36.018 | -0.250 | 36.033 | -0.235 | 36.062 | -0.218 | 41.972 | -0.231 | 41.990 | -0.226 | 42.004 | -0.226 | 42.025 | -0.223 |
| 36.089 | -0.188 | 36.107 | -0.159 | 36.126 | -0.103 | 36.142 | -0.061 | 42.055 | -0.212 | 42.074 | -0.217 | 42.090 | -0.215 | 42.107 | -0.220 |
| | | | | | | | | 42.134 | -0.238 | 42.144 | -0.257 | 42.184 | -0.295 | 42.200 | -0.300 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 42.228 | -0.297 | 42.265 | -0.279 | 42.279 | -0.271 | 42.315 | -0.247 |
| 42.344 | -0.243 | 42.375 | -0.240 | 42.421 | -0.208 | 42.446 | -0.212 |
| 42.472 | -0.223 | 42.496 | -0.227 | 42.535 | -0.230 | 42.557 | -0.241 |
| 42.578 | -0.232 | 42.600 | -0.230 | 42.630 | -0.206 | 42.654 | -0.176 |
| 42.679 | -0.173 | 42.707 | -0.143 | 42.737 | -0.132 | 42.767 | -0.116 |
| 42.802 | -0.072 | 42.835 | -0.082 | 42.865 | -0.066 | 42.901 | -0.063 |
| 42.931 | -0.066 | 42.964 | -0.057 | 42.986 | -0.041 | 43.005 | -0.033 |
| 43.016 | -0.011 | 43.045 | -0.011 | 43.067 | 0.040 | 43.088 | 0.062 |
| 43.109 | 0.057 | 43.147 | 0.053 | 43.167 | 0.048 | 43.187 | 0.043 |
| 43.232 | 0.053 | 43.250 | 0.068 | 43.262 | 0.097 | 43.280 | 0.125 |
| 43.317 | 0.121 | 43.347 | 0.109 | 43.369 | 0.130 | 43.395 | 0.132 |
| 43.415 | 0.161 | 43.440 | 0.184 | 43.472 | 0.207 | 43.493 | 0.188 |
| 43.521 | 0.171 | 43.545 | 0.174 | 43.593 | 0.166 | 43.611 | 0.175 |
| 43.630 | 0.191 | 43.644 | 0.206 | 43.679 | 0.245 | 43.702 | 0.226 |
| 43.723 | 0.221 | 43.744 | 0.223 | 43.764 | 0.238 | 43.789 | 0.253 |
| 43.821 | 0.275 | 43.840 | 0.289 | 43.864 | 0.276 | 43.889 | 0.257 |
| 43.932 | 0.253 | 43.959 | 0.274 | 43.990 | 0.276 | 44.015 | 0.271 |
| 44.061 | 0.226 | 44.089 | 0.228 | 44.129 | 0.238 | 44.158 | 0.219 |
| 44.181 | 0.194 | 44.236 | 0.198 | 44.277 | 0.202 | 44.306 | 0.191 |
| 44.356 | 0.168 | 44.382 | 0.149 | 44.418 | 0.111 | 44.471 | 0.081 |
| 44.507 | 0.015 | 44.554 | -0.014 | 44.585 | -0.010 | 44.641 | -0.004 |
| 44.665 | -0.015 | 44.687 | -0.032 | 44.738 | -0.080 | 44.763 | -0.112 |
| 44.785 | -0.144 | 44.815 | -0.143 | 44.850 | -0.134 | 44.887 | -0.132 |
| 44.929 | -0.136 | 44.972 | -0.133 | 44.997 | -0.144 | 45.039 | -0.139 |
| 45.058 | -0.144 | 45.074 | -0.169 | 45.116 | -0.164 | 45.151 | -0.159 |
| 45.184 | -0.156 | 45.205 | -0.147 | 45.235 | -0.137 | 45.251 | -0.136 |
| 45.374 | -0.154 | 45.395 | -0.166 | 45.412 | -0.172 | 45.436 | -0.184 |
| 45.460 | -0.210 | 45.481 | -0.208 | 45.512 | -0.205 | 45.546 | -0.202 |
| 45.574 | -0.199 | 45.597 | -0.197 | 45.628 | -0.207 | 45.668 | -0.210 |
| 45.701 | -0.220 | 45.742 | -0.224 | 45.789 | -0.247 | 45.847 | -0.241 |
| 45.929 | -0.247 | 45.992 | -0.248 | 46.029 | -0.237 | 46.044 | -0.214 |
| 46.079 | -0.197 | 46.105 | -0.166 | 46.158 | -0.147 | 46.176 | -0.138 |
| 46.201 | -0.129 | 46.256 | -0.081 | 46.283 | -0.063 | 46.303 | -0.040 |
| 46.354 | -0.012 | 46.374 | 0.011 | 46.402 | 0.028 | 46.444 | 0.079 |
| 46.467 | 0.101 | 46.519 | 0.151 | 46.548 | 0.167 | 46.599 | 0.151 |
| 46.641 | 0.148 | 46.679 | 0.164 | 46.699 | 0.172 | 46.752 | 0.203 |
| 46.812 | 0.155 | 46.844 | 0.199 | 46.879 | 0.217 | 46.908 | 0.222 |
| 46.933 | 0.204 | 46.970 | 0.193 | 47.002 | 0.182 | 47.037 | 0.185 |
| 47.068 | 0.186 | 47.123 | 0.182 | 47.156 | 0.151 | 47.186 | 0.187 |
| 47.215 | 0.142 | 47.234 | 0.123 | 47.280 | 0.115 | 47.304 | 0.118 |
| 47.326 | 0.134 | 47.347 | 0.136 | 47.382 | 0.140 | 47.444 | 0.155 |
| 47.467 | 0.172 | 47.483 | 0.208 | 47.506 | 0.212 | 47.535 | 0.209 |
| 47.556 | 0.204 | 47.606 | 0.188 | 47.634 | 0.190 | 47.657 | 0.185 |
| 47.674 | 0.173 | 47.700 | 0.156 | | | | |

71.171 2/5/71 06COPST L.A. 800 W. FIRST ST. 16TH FL.

N534

2455 PCINTS 47.707 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 0.4026 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.040 | 0.021 | -0.040 | 0.046 | -0.033 | 0.073 | -0.033 | 3.177 | -0.039 | 3.155 | -0.025 | 3.214 | -0.004 |
| 0.102 | -0.033 | 0.143 | -0.033 | 0.182 | -0.033 | 0.211 | -0.032 | 3.258 | -0.004 | 3.275 | -0.003 | 3.258 | -0.016 |
| 0.236 | -0.025 | 0.261 | -0.025 | 0.281 | -0.038 | 0.301 | -0.052 | 3.339 | -0.022 | 3.309 | -0.029 | 3.380 | -0.082 |
| 0.328 | -0.051 | 0.353 | -0.051 | 0.376 | -0.044 | 0.402 | -0.037 | 3.411 | -0.105 | 3.426 | -0.108 | 3.444 | -0.115 |
| 0.425 | -0.036 | 0.450 | -0.049 | 0.478 | -0.055 | 0.497 | -0.062 | 3.481 | -0.134 | 3.502 | -0.114 | 3.517 | -0.073 |
| 0.524 | -0.034 | 0.545 | -0.013 | 0.563 | -0.013 | 0.587 | -0.012 | 3.545 | -0.025 | 3.561 | -0.023 | 3.578 | -0.051 |
| 0.613 | -0.025 | 0.641 | -0.031 | 0.670 | -0.044 | 0.700 | -0.057 | 3.613 | -0.052 | 3.627 | -0.012 | 3.646 | -0.068 |
| 0.730 | -0.056 | 0.751 | -0.048 | 0.777 | -0.041 | 0.799 | -0.027 | 3.675 | -0.127 | 3.653 | -0.147 | 3.706 | -0.153 |
| 0.821 | -0.033 | 0.843 | -0.032 | 0.862 | -0.032 | 0.881 | -0.024 | 3.745 | -0.057 | 3.759 | -0.069 | 3.777 | -0.039 |
| 0.857 | -0.017 | 0.919 | -0.030 | 0.938 | -0.050 | 0.957 | -0.063 | 3.814 | -0.101 | 3.832 | -0.068 | 3.847 | -0.042 |
| 0.975 | -0.076 | 0.997 | -0.069 | 1.020 | -0.062 | 1.041 | -0.041 | 3.880 | -0.057 | 3.857 | -0.070 | 3.912 | -0.056 |
| 1.054 | -0.020 | 1.075 | -0.013 | 1.092 | -0.013 | 1.113 | -0.026 | 3.945 | -0.027 | 3.920 | -0.026 | 3.980 | -0.011 |
| 1.130 | -0.039 | 1.148 | -0.052 | 1.166 | -0.052 | 1.183 | -0.051 | 4.010 | -0.024 | 4.021 | -0.010 | 4.036 | -0.003 |
| 1.211 | -0.051 | 1.225 | -0.044 | 1.238 | -0.037 | 1.254 | -0.036 | 4.070 | -0.011 | 4.082 | -0.032 | 4.056 | -0.052 |
| 1.267 | -0.043 | 1.285 | -0.056 | 1.303 | -0.047 | 1.323 | -0.075 | 4.128 | -0.014 | 4.138 | -0.027 | 4.150 | -0.040 |
| 1.340 | -0.068 | 1.352 | -0.047 | 1.369 | -0.047 | 1.385 | -0.046 | 4.188 | -0.006 | 4.198 | -0.015 | 4.208 | -0.019 |
| 1.403 | -0.059 | 1.421 | -0.031 | 1.443 | -0.003 | 1.461 | -0.010 | 4.240 | -0.072 | 4.256 | -0.071 | 4.273 | -0.084 |
| 1.482 | -0.036 | 1.503 | -0.028 | 1.523 | -0.004 | 1.539 | -0.060 | 4.313 | -0.050 | 4.331 | -0.056 | 4.340 | -0.056 |
| 1.560 | -0.053 | 1.584 | -0.092 | 1.611 | -0.071 | 1.634 | -0.050 | 4.372 | -0.068 | 4.366 | -0.054 | 4.395 | -0.061 |
| 1.650 | -0.042 | 1.669 | -0.048 | 1.690 | -0.048 | 1.710 | -0.046 | 4.430 | -0.107 | 4.445 | -0.066 | 4.461 | -0.032 |
| 1.734 | -0.055 | 1.755 | -0.052 | 1.775 | -0.031 | 1.793 | -0.024 | 4.452 | -0.018 | 4.510 | -0.038 | 4.528 | -0.078 |
| 1.812 | -0.010 | 1.831 | -0.022 | 1.845 | -0.049 | 1.864 | -0.062 | 4.558 | -0.083 | 4.573 | -0.055 | 4.587 | -0.048 |
| 1.884 | -0.048 | 1.900 | -0.054 | 1.915 | -0.054 | 1.934 | -0.053 | 4.618 | -0.073 | 4.630 | -0.106 | 4.644 | -0.153 |
| 1.945 | -0.060 | 1.964 | -0.033 | 1.979 | -0.019 | 1.998 | -0.018 | 4.673 | -0.165 | 4.687 | -0.111 | 4.704 | -0.136 |
| 2.015 | -0.018 | 2.033 | -0.017 | 2.050 | -0.017 | 2.068 | -0.017 | 4.731 | -0.041 | 4.750 | -0.027 | 4.764 | -0.055 |
| 2.088 | -0.050 | 2.104 | -0.069 | 2.125 | -0.069 | 2.142 | -0.055 | 4.754 | -0.083 | 4.807 | -0.057 | 4.824 | -0.044 |
| 2.159 | -0.048 | 2.183 | -0.067 | 2.199 | -0.087 | 2.219 | -0.073 | 4.857 | -0.035 | 4.867 | -0.075 | 4.881 | -0.108 |
| 2.239 | -0.059 | 2.261 | -0.038 | 2.282 | -0.031 | 2.306 | -0.016 | 4.902 | -0.174 | 4.912 | -0.207 | 4.923 | -0.173 |
| 2.326 | -0.065 | 2.338 | -0.009 | 2.357 | -0.035 | 2.381 | -0.055 | 4.953 | -0.044 | 4.968 | -0.044 | 4.984 | -0.058 |
| 2.398 | -0.088 | 2.419 | -0.067 | 2.439 | -0.053 | 2.457 | -0.052 | 5.011 | -0.113 | 5.027 | -0.100 | 5.043 | -0.080 |
| 2.472 | -0.039 | 2.489 | -0.025 | 2.509 | -0.021 | 2.519 | -0.024 | 5.078 | -0.026 | 5.089 | -0.060 | 5.108 | -0.073 |
| 2.538 | -0.017 | 2.558 | -0.050 | 2.583 | -0.076 | 2.602 | -0.048 | 5.138 | -0.066 | 5.155 | -0.039 | 5.171 | -0.002 |
| 2.625 | -0.028 | 2.643 | -0.041 | 2.656 | -0.054 | 2.674 | -0.040 | 5.201 | -0.057 | 5.212 | -0.071 | 5.227 | -0.085 |
| 2.653 | -0.001 | 2.708 | -0.028 | 2.724 | -0.049 | 2.740 | -0.002 | 5.253 | -0.057 | 5.267 | -0.075 | 5.283 | -0.135 |
| 2.755 | -0.034 | 2.772 | -0.045 | 2.790 | -0.051 | 2.815 | -0.077 | 5.322 | -0.148 | 5.337 | -0.124 | 5.352 | -0.126 |
| 2.833 | -0.081 | 2.862 | -0.043 | 2.883 | -0.029 | 2.896 | -0.009 | 5.372 | -0.052 | 5.382 | -0.018 | 5.397 | -0.016 |
| 2.913 | -0.002 | 2.931 | -0.022 | 2.947 | -0.028 | 2.964 | -0.034 | 5.423 | -0.024 | 5.435 | -0.025 | 5.448 | -0.026 |
| 2.981 | -0.041 | 3.000 | -0.047 | 3.021 | -0.040 | 3.036 | -0.040 | 5.478 | -0.040 | 5.493 | -0.046 | 5.504 | -0.099 |
| 3.049 | -0.027 | 3.061 | -0.013 | 3.079 | -0.013 | 3.095 | -0.040 | 5.536 | -0.158 | 5.551 | -0.171 | 5.565 | -0.136 |
| 3.107 | -0.066 | 3.126 | -0.046 | 3.144 | -0.025 | 3.160 | -0.039 | 5.593 | -0.122 | 5.617 | -0.107 | 5.628 | -0.060 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5.654 | 0.022 | 5.670 | 0.043 | 5.686 | 0.023 | 5.701 | 0.010 | 8.946 | -0.266 | 8.558 | -0.312 | 8.569 | -0.385 | 8.978 | -0.445 |
| 5.712 | 0.051 | 5.728 | 0.052 | 5.743 | 0.025 | 5.756 | -0.008 | 8.985 | -0.506 | 8.996 | -0.519 | 9.006 | -0.538 | 9.019 | -0.498 |
| 5.772 | -0.028 | 5.781 | -0.048 | 5.800 | -0.060 | 5.814 | -0.053 | 9.032 | -0.443 | 9.042 | -0.325 | 9.049 | -0.248 | 9.055 | -0.174 |
| 5.827 | -0.023 | 5.838 | -0.026 | 5.855 | -0.019 | 5.870 | -0.032 | 9.062 | -0.072 | 9.070 | 0.056 | 9.082 | 0.244 | 9.093 | 0.379 |
| 5.880 | -0.085 | 5.892 | -0.085 | 5.908 | -0.125 | 5.920 | -0.138 | 9.104 | -0.575 | 9.116 | 0.710 | 9.130 | 0.710 | 9.140 | 0.744 |
| 5.934 | -0.117 | 5.951 | -0.083 | 5.968 | -0.042 | 5.979 | -0.135 | 9.153 | 0.630 | 9.168 | 0.228 | 9.187 | -0.075 | 9.205 | -0.371 |
| 5.994 | 0.013 | 6.008 | 0.067 | 6.025 | 0.088 | 6.038 | 0.116 | 9.221 | -0.579 | 9.240 | -0.814 | 9.250 | -0.562 | 9.259 | -1.130 |
| 6.052 | 0.130 | 6.061 | 0.137 | 6.071 | 0.150 | 6.085 | 0.090 | 9.271 | -1.358 | 9.282 | -1.452 | 9.288 | -1.600 | 9.296 | -1.674 |
| 6.100 | 0.010 | 6.111 | -0.023 | 6.124 | -0.056 | 6.141 | -0.103 | 9.306 | -0.593 | 9.318 | -1.330 | 9.325 | -1.047 | 9.334 | -0.539 |
| 6.152 | -0.123 | 6.164 | -0.089 | 6.174 | -0.075 | 6.186 | -0.075 | 9.356 | -0.212 | 9.363 | -0.030 | 9.373 | 0.118 | 9.380 | 0.179 |
| 6.158 | -0.108 | 6.214 | -0.121 | 6.232 | -0.100 | 6.246 | -0.073 | 9.392 | 0.266 | 9.402 | 0.307 | 9.414 | 0.334 | 9.427 | 0.281 |
| 6.260 | -0.052 | 6.278 | -0.038 | 6.297 | -0.024 | 6.312 | -0.010 | 9.443 | 0.134 | 9.451 | 0.033 | 9.459 | -0.047 | 9.467 | -0.087 |
| 6.336 | 0.031 | 6.349 | 0.058 | 6.362 | 0.079 | 6.372 | 0.059 | 9.481 | -0.032 | 9.492 | 0.103 | 9.502 | 0.231 | 9.514 | 0.353 |
| 6.384 | 0.066 | 6.398 | 0.067 | 6.416 | 0.114 | 6.429 | 0.155 | 9.529 | 0.468 | 9.542 | 0.543 | 9.553 | 0.604 | 9.565 | 0.638 |
| 6.445 | 0.223 | 6.465 | 0.318 | 6.478 | 0.345 | 6.488 | 0.325 | 9.589 | 0.727 | 9.604 | 0.654 | 9.622 | 0.467 | 9.645 | 0.293 |
| 6.499 | 0.265 | 6.516 | 0.172 | 6.528 | 0.145 | 6.545 | 0.119 | 9.662 | 0.548 | 9.682 | 0.326 | 9.700 | 0.202 | 9.716 | 0.312 |
| 6.563 | 0.147 | 6.579 | 0.188 | 6.593 | 0.222 | 6.610 | 0.270 | 9.736 | 0.736 | 9.750 | 0.636 | 9.768 | 0.665 | 9.784 | 0.612 |
| 6.622 | 0.284 | 6.641 | 0.298 | 6.652 | 0.258 | 6.670 | 0.131 | 9.805 | 0.350 | 9.826 | 0.035 | 9.850 | -0.246 | 9.866 | -0.387 |
| 6.680 | -0.017 | 6.690 | -0.124 | 6.703 | -0.224 | 6.717 | -0.338 | 9.883 | -0.453 | 9.897 | -0.480 | 9.916 | -0.411 | 9.932 | -0.222 |
| 6.734 | -0.446 | 6.746 | -0.513 | 6.760 | -0.566 | 6.777 | -0.586 | 9.947 | 0.021 | 9.968 | 0.351 | 9.982 | 0.473 | *9.998 | 0.481 |
| 6.755 | -0.522 | 6.812 | -0.478 | 6.824 | -0.370 | 6.838 | -0.229 | 10.017 | 0.445 | 10.023 | 0.362 | 10.032 | 0.261 | 10.041 | 0.141 |
| 6.845 | -0.155 | 6.851 | -0.107 | 6.863 | -0.060 | 6.874 | -0.100 | 10.051 | -0.027 | 10.066 | -0.113 | 10.080 | -0.200 | 10.093 | -0.273 |
| 6.886 | -0.157 | 6.899 | -0.288 | 6.916 | -0.429 | 6.923 | -0.476 | 10.104 | -0.367 | 10.118 | -0.467 | 10.128 | -0.567 | 10.138 | -0.714 |
| 6.936 | -0.543 | 6.948 | -0.503 | 6.958 | -0.415 | 6.973 | -0.247 | 10.146 | -0.801 | 10.152 | -0.655 | 10.163 | -0.969 | 10.173 | -1.043 |
| 6.990 | -0.098 | 7.001 | 0.043 | 7.015 | 0.110 | 7.029 | 0.185 | 10.185 | -0.589 | 10.201 | -0.847 | 10.210 | -0.745 | 10.221 | -0.658 |
| 7.049 | 0.219 | 7.065 | 0.178 | 7.084 | 0.118 | 7.099 | 0.051 | 10.230 | -0.617 | 10.240 | -0.617 | 10.246 | -0.650 | 10.260 | -0.657 |
| 7.121 | -0.036 | 7.137 | -0.083 | 7.157 | -0.028 | 7.172 | 0.067 | 10.271 | -0.737 | 10.281 | -0.783 | 10.295 | -0.830 | 10.307 | -0.789 |
| 7.191 | 0.205 | 7.205 | 0.351 | 7.214 | 0.432 | 7.228 | 0.506 | 10.322 | -0.721 | 10.336 | -0.626 | 10.349 | -0.491 | 10.361 | -0.288 |
| 7.238 | 0.486 | 7.254 | 0.433 | 7.264 | 0.413 | 7.282 | 0.394 | 10.372 | -0.653 | 10.381 | 0.110 | 10.390 | 0.211 | 10.399 | 0.299 |
| 7.294 | 0.381 | 7.309 | 0.382 | 7.330 | 0.349 | 7.345 | 0.323 | 10.412 | -0.360 | 10.424 | 0.348 | 10.434 | 0.308 | 10.446 | 0.228 |
| 7.366 | 0.350 | 7.380 | 0.405 | 7.396 | 0.446 | 7.408 | 0.473 | 10.458 | 0.188 | 10.468 | 0.175 | 10.484 | 0.176 | 10.503 | 0.245 |
| 7.429 | 0.481 | 7.448 | 0.407 | 7.467 | 0.321 | 7.486 | 0.200 | 10.514 | 0.313 | 10.525 | 0.348 | 10.535 | 0.369 | 10.546 | 0.336 |
| 7.512 | -0.013 | 7.530 | -0.114 | 7.548 | -0.221 | 7.567 | -0.214 | 10.562 | -0.222 | 10.577 | 0.109 | 10.586 | 0.049 | 10.606 | -0.017 |
| 7.586 | -0.179 | 7.604 | -0.159 | 7.626 | -0.104 | 7.639 | -0.056 | 10.624 | -0.065 | 10.634 | -0.055 | 10.649 | -0.114 | 10.660 | -0.073 |
| 7.655 | 0.038 | 7.667 | 0.113 | 7.682 | 0.167 | 7.696 | 0.100 | 10.679 | 0.045 | 10.692 | 0.205 | 10.705 | 0.354 | 10.719 | 0.476 |
| 7.709 | -0.007 | 7.727 | -0.201 | 7.745 | -0.416 | 7.758 | -0.550 | 10.730 | 0.544 | 10.745 | 0.599 | 10.757 | 0.546 | 10.774 | 0.493 |
| 7.768 | -0.624 | 7.786 | -0.704 | 7.798 | -0.649 | 7.810 | -0.501 | 10.788 | 0.353 | 10.808 | 0.273 | 10.820 | 0.187 | 10.837 | 0.060 |
| 7.826 | -0.238 | 7.835 | -0.150 | 7.845 | -0.089 | 7.863 | -0.034 | 10.850 | 0.014 | 10.864 | -0.012 | 10.866 | -0.051 | 10.870 | -0.116 |
| 7.879 | -0.047 | 7.894 | -0.053 | 7.913 | -0.106 | 7.928 | -0.226 | 10.923 | -0.176 | 10.943 | -0.255 | 10.957 | -0.361 | 10.976 | -0.508 |
| 7.945 | -0.421 | 7.957 | -0.541 | 7.966 | -0.642 | 7.972 | -0.702 | 10.950 | -0.667 | 11.000 | -0.808 | 11.014 | -1.008 | 11.024 | -1.115 |
| 7.986 | -0.749 | 7.998 | -0.715 | 8.015 | -0.633 | 8.035 | -0.491 | 11.032 | -1.181 | 11.042 | -1.153 | 11.051 | -1.051 | 11.061 | -0.956 |
| 8.049 | -0.329 | 8.060 | -0.180 | 8.069 | -0.045 | 8.080 | -0.056 | 11.072 | -0.874 | 11.083 | -0.826 | 11.095 | -0.771 | 11.107 | -0.656 |
| 8.053 | 0.057 | 8.106 | 0.070 | 8.119 | -0.003 | 8.127 | -0.043 | 11.118 | -0.722 | 11.130 | -0.735 | 11.144 | -0.740 | 11.163 | -0.752 |
| 8.141 | -0.063 | 8.152 | -0.016 | 8.166 | 0.059 | 8.180 | 0.227 | 11.181 | -0.710 | 11.198 | -0.689 | 11.213 | -0.640 | 11.226 | -0.586 |
| 8.155 | 0.342 | 8.210 | 0.416 | 8.224 | 0.477 | 8.240 | 0.545 | 11.241 | -0.537 | 11.256 | -0.489 | 11.268 | -0.387 | 11.278 | -0.252 |
| 8.255 | 0.633 | 8.268 | 0.687 | 8.288 | 0.734 | 8.303 | 0.654 | 11.289 | -0.150 | 11.298 | -0.002 | 11.309 | 0.120 | 11.322 | 0.262 |
| 8.316 | 0.520 | 8.342 | 0.298 | 8.353 | 0.157 | 8.365 | 0.097 | 11.338 | 0.390 | 11.356 | 0.499 | 11.369 | 0.580 | 11.385 | 0.634 |
| 8.380 | 0.083 | 8.393 | 0.004 | 8.410 | 0.018 | 8.429 | 0.018 | 11.403 | 0.689 | 11.416 | 0.656 | 11.431 | 0.623 | 11.447 | 0.530 |
| 8.442 | -0.068 | 8.461 | -0.028 | 8.479 | -0.027 | 8.492 | 0.020 | 11.460 | 0.443 | 11.476 | 0.322 | 11.490 | 0.222 | 11.504 | 0.210 |
| 8.503 | 0.055 | 8.512 | 0.149 | 8.527 | 0.190 | 8.545 | 0.157 | 11.527 | 0.211 | 11.544 | 0.205 | 11.556 | 0.206 | 11.572 | 0.200 |
| 8.563 | 0.077 | 8.575 | 0.023 | 8.590 | 0.004 | 8.605 | 0.038 | 11.588 | 0.207 | 11.603 | 0.222 | 11.614 | 0.222 | 11.628 | 0.203 |
| 8.625 | 0.107 | 8.639 | 0.161 | 8.660 | 0.210 | 8.676 | 0.244 | 11.647 | 0.164 | 11.664 | 0.205 | 11.677 | 0.246 | 11.695 | 0.287 |
| 8.687 | 0.245 | 8.719 | 0.220 | 8.733 | 0.140 | 8.733 | 0.130 | 11.711 | 0.255 | 11.746 | 0.296 | 11.746 | 0.297 | 11.766 | 0.318 |
| 8.753 | 0.040 | 8.776 | -0.033 | 8.797 | -0.072 | 8.818 | -0.131 | 11.783 | 0.366 | 11.795 | 0.427 | 11.814 | 0.448 | 11.836 | 0.429 |
| 8.837 | -0.191 | 8.857 | -0.197 | 8.871 | -0.149 | 8.884 | -0.114 | 11.852 | 0.363 | 11.867 | 0.262 | 11.878 | 0.094 | 11.892 | -0.228 |
| 8.855 | -0.080 | 8.906 | -0.120 | 8.919 | -0.159 | 8.932 | -0.213 | 11.907 | -0.557 | 11.918 | -0.765 | 11.929 | -0.960 | 11.940 | -1.114 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 11.950 | -1.248 | 11.963 | -1.396 | 11.971 | -1.523 | 11.984 | -1.563 | 15.003 | -0.881 | 15.017 | -1.028 | 15.033 | -1.134 | 15.047 | -1.221 |
| 11.954 | -1.562 | 12.010 | -1.461 | 12.026 | -1.352 | 12.040 | -1.264 | 15.061 | -1.280 | 15.077 | -1.333 | 15.091 | -1.372 | 15.102 | -1.385 |
| 12.053 | -1.156 | 12.066 | -1.141 | 12.079 | -1.087 | 12.089 | -1.032 | 15.112 | -1.404 | 15.128 | -1.410 | 15.140 | -1.402 | 15.148 | -1.374 |
| 12.104 | -0.984 | 12.120 | -0.970 | 12.134 | -0.956 | 12.148 | -0.941 | 15.159 | -1.434 | 15.169 | -1.366 | 15.183 | -1.284 | 15.190 | -1.203 |
| 12.142 | -0.927 | 12.173 | -0.920 | 12.186 | -0.899 | 12.200 | -0.898 | 15.200 | -1.074 | 15.214 | -0.953 | 15.222 | -0.918 | 15.238 | -0.850 |
| 12.214 | -0.870 | 12.221 | -0.789 | 12.231 | -0.661 | 12.239 | -0.479 | 15.252 | -0.802 | 15.274 | -0.727 | 15.290 | -0.653 | 15.310 | -0.624 |
| 12.249 | -0.870 | 12.259 | -0.087 | 12.275 | 0.108 | 12.289 | 0.223 | 15.330 | -0.529 | 15.344 | -0.461 | 15.366 | -0.386 | 15.380 | -0.365 |
| 12.259 | -0.251 | 12.313 | 0.258 | 12.330 | 0.232 | 12.348 | 0.212 | 15.398 | -0.364 | 15.414 | -0.350 | 15.438 | -0.281 | 15.466 | -0.246 |
| 12.359 | 0.186 | 12.375 | 0.240 | 12.386 | 0.348 | 12.405 | 0.437 | 15.452 | -0.205 | 15.508 | -0.151 | 15.530 | -0.035 | 15.551 | 0.060 |
| 12.430 | 0.512 | 12.458 | 0.634 | 12.481 | 0.756 | 12.503 | 0.925 | 15.575 | 0.189 | 15.591 | 0.257 | 15.613 | 0.372 | 15.634 | 0.440 |
| 12.522 | 1.230 | 12.537 | 1.294 | 12.546 | 1.284 | 12.564 | 1.352 | 15.651 | 0.502 | 15.668 | 0.543 | 15.689 | 0.564 | 15.715 | 0.573 |
| 12.578 | 1.339 | 12.594 | 1.333 | 12.612 | 1.408 | 12.629 | 1.476 | 15.736 | 0.594 | 15.756 | 0.616 | 15.768 | 0.616 | 15.788 | 0.550 |
| 12.649 | 1.588 | 12.669 | 1.586 | 12.682 | 1.540 | 12.699 | 1.446 | 15.807 | 0.457 | 15.823 | 0.330 | 15.838 | 0.230 | 15.854 | 0.151 |
| 12.715 | 1.285 | 12.729 | 1.098 | 12.744 | 0.883 | 12.755 | 0.709 | 15.872 | 0.071 | 15.896 | -0.002 | 15.921 | -0.047 | 15.944 | -0.113 |
| 12.773 | 0.481 | 12.790 | 0.340 | 12.810 | 0.233 | 12.825 | 0.186 | 15.956 | -0.213 | 15.971 | -0.340 | 15.980 | -0.414 | 15.991 | -0.487 |
| 12.845 | -0.113 | 12.868 | -0.048 | 12.882 | -0.169 | 12.898 | -0.297 | 16.001 | -0.547 | 16.015 | -0.666 | 16.040 | -0.518 | 16.055 | -0.523 |
| 12.915 | -0.464 | 12.930 | -0.558 | 12.943 | -0.673 | 12.957 | -0.706 | 16.067 | -0.469 | 16.082 | -0.434 | 16.094 | -0.393 | 16.109 | -0.352 |
| 12.978 | -0.753 | 12.992 | -0.833 | 13.007 | -0.907 | 13.023 | -0.974 | 16.124 | -0.358 | 16.143 | -0.458 | 16.155 | -0.518 | 16.183 | -0.598 |
| 13.040 | -1.028 | 13.056 | -1.061 | 13.068 | -1.088 | 13.087 | -1.061 | 16.201 | -0.678 | 16.217 | -0.724 | 16.233 | -0.744 | 16.250 | -0.662 |
| 13.095 | -0.933 | 13.107 | -0.933 | 13.112 | -0.825 | 13.120 | -0.846 | 16.267 | -0.574 | 16.285 | -0.466 | 16.301 | -0.344 | 16.320 | -0.243 |
| 13.131 | -0.738 | 13.140 | -0.778 | 13.145 | -0.603 | 13.156 | -0.690 | 16.341 | -0.181 | 16.367 | -0.133 | 16.392 | -0.072 | 16.410 | -0.030 |
| 13.166 | -0.508 | 13.172 | -0.562 | 13.184 | -0.420 | 13.191 | -0.521 | 16.424 | 0.172 | 16.439 | 0.354 | 16.448 | 0.462 | 16.460 | 0.523 |
| 13.195 | -0.440 | 13.199 | -0.494 | 13.205 | -0.420 | 13.209 | -0.494 | 16.461 | 0.571 | 16.500 | 0.625 | 16.514 | 0.673 | 16.529 | 0.774 |
| 13.217 | -0.453 | 13.228 | -0.453 | 13.241 | -0.506 | 13.259 | -0.553 | 16.545 | 0.842 | 16.573 | 0.917 | 16.593 | 0.905 | 16.613 | 0.699 |
| 13.242 | -0.566 | 13.275 | -0.566 | 13.288 | -0.559 | 13.299 | -0.518 | 16.639 | 0.886 | 16.656 | 0.961 | 16.670 | 1.029 | 16.684 | 1.077 |
| 13.310 | -0.444 | 13.317 | -0.357 | 13.325 | -0.255 | 13.335 | -0.121 | 16.658 | 1.104 | 16.715 | 1.058 | 16.735 | 0.952 | 16.755 | 0.952 |
| 13.346 | 0.014 | 13.361 | 0.203 | 13.372 | 0.325 | 13.381 | 0.466 | 16.778 | 0.899 | 16.806 | 0.854 | 16.815 | 0.820 | 16.832 | 0.680 |
| 13.391 | 0.594 | 13.405 | 0.743 | 13.416 | 0.878 | 13.429 | 0.999 | 16.848 | 0.479 | 16.858 | 0.318 | 16.866 | 0.231 | 16.872 | 0.204 |
| 13.437 | 1.073 | 13.449 | 1.148 | 13.460 | 1.168 | 13.473 | 1.169 | 16.880 | 0.238 | 16.895 | 0.353 | 16.905 | 0.515 | 16.919 | 0.610 |
| 13.454 | 1.203 | 13.502 | 1.251 | 13.516 | 1.352 | 13.529 | 1.494 | 16.934 | 0.637 | 16.952 | 0.652 | 16.966 | 0.592 | 16.978 | 0.512 |
| 13.538 | 1.595 | 13.547 | 1.669 | 13.560 | 1.737 | 13.575 | 1.771 | 16.995 | 0.371 | 17.017 | 0.124 | 17.038 | -0.071 | 17.058 | -0.244 |
| 13.588 | 1.812 | 13.608 | 1.860 | 13.624 | 1.834 | 13.639 | 1.787 | 17.075 | -0.358 | 17.088 | -0.445 | 17.102 | -0.525 | 17.121 | -0.490 |
| 13.652 | 1.894 | 13.667 | 1.546 | 13.680 | 1.311 | 13.691 | 1.049 | 17.145 | -0.455 | 17.170 | -0.421 | 17.198 | -0.399 | 17.223 | -0.377 |
| 13.702 | 0.868 | 13.717 | 0.714 | 13.739 | 0.567 | 13.763 | 0.494 | 17.249 | -0.348 | 17.271 | -0.333 | 17.285 | -0.339 | 17.304 | -0.371 |
| 13.781 | 0.414 | 13.801 | 0.354 | 13.821 | 0.261 | 13.836 | 0.174 | 17.327 | -0.403 | 17.351 | -0.361 | 17.368 | -0.313 | 17.384 | -0.231 |
| 13.851 | 0.094 | 13.863 | 0.055 | 13.876 | 0.035 | 13.887 | 0.009 | 17.356 | -0.176 | 17.423 | -0.134 | 17.444 | -0.160 | 17.465 | -0.198 |
| 13.901 | -0.011 | 13.919 | -0.010 | 13.934 | -0.009 | 13.947 | -0.008 | 17.493 | -0.264 | 17.512 | -0.215 | 17.536 | -0.166 | 17.562 | -0.077 |
| 13.969 | -0.001 | 13.986 | 0.007 | 14.004 | 0.007 | 14.018 | 0.001 | 17.581 | -0.042 | 17.605 | 0.014 | 17.626 | 0.055 | 17.647 | 0.118 |
| 14.036 | -0.005 | 14.049 | -0.065 | 14.065 | -0.138 | 14.080 | -0.232 | 17.666 | 0.166 | 17.688 | 0.180 | 17.714 | 0.195 | 17.737 | 0.216 |
| 14.094 | -0.333 | 14.112 | -0.500 | 14.124 | -0.614 | 14.140 | -0.768 | 17.754 | 0.223 | 17.783 | 0.251 | 17.802 | 0.279 | 17.825 | 0.280 |
| 14.152 | -0.875 | 14.165 | -0.989 | 14.181 | -1.056 | 14.194 | -1.176 | 17.844 | 0.254 | 17.864 | 0.201 | 17.888 | 0.141 | 17.917 | 0.075 |
| 14.203 | -1.216 | 14.215 | -1.229 | 14.234 | -1.194 | 14.247 | -1.120 | 17.940 | 0.002 | 17.966 | -0.051 | 17.986 | -0.144 | 18.011 | -0.237 |
| 14.261 | -1.018 | 14.275 | -0.856 | 14.287 | -0.801 | 14.297 | -0.713 | 18.034 | -0.331 | 18.056 | -0.404 | 18.074 | -0.423 | 18.098 | -0.469 |
| 14.307 | -0.652 | 14.322 | -0.597 | 14.333 | -0.543 | 14.349 | -0.481 | 18.118 | -0.489 | 18.145 | -0.548 | 18.170 | -0.614 | 18.190 | -0.694 |
| 14.361 | -0.427 | 14.374 | -0.379 | 14.390 | -0.263 | 14.403 | -0.175 | 18.206 | -0.747 | 18.226 | -0.786 | 18.255 | -0.757 | 18.277 | -0.622 |
| 14.419 | -0.033 | 14.432 | 0.102 | 14.445 | 0.217 | 14.455 | 0.345 | 18.293 | -0.654 | 18.314 | -0.621 | 18.335 | -0.584 | 18.360 | -0.589 |
| 14.464 | 0.440 | 14.477 | 0.548 | 14.490 | 0.629 | 14.506 | 0.717 | 18.381 | -0.655 | 18.401 | -0.705 | 18.418 | -0.767 | 18.431 | -0.780 |
| 14.516 | 0.778 | 14.528 | 0.832 | 14.539 | 0.866 | 14.554 | 0.894 | 18.446 | -0.799 | 18.469 | -0.777 | 18.485 | -0.682 | 18.503 | -0.593 |
| 14.570 | 0.874 | 14.586 | 0.787 | 14.597 | 0.687 | 14.613 | 0.539 | 18.524 | -0.451 | 18.546 | -0.322 | 18.568 | -0.206 | 18.586 | -0.104 |
| 14.624 | 0.445 | 14.634 | 0.419 | 14.644 | 0.406 | 14.657 | 0.427 | 18.602 | -0.442 | 18.620 | -0.326 | 18.638 | -0.048 | 18.658 | 0.109 |
| 14.670 | 0.447 | 14.681 | 0.461 | 14.699 | 0.462 | 14.710 | 0.409 | 18.677 | 0.138 | 18.695 | 0.172 | 18.723 | 0.194 | 18.747 | 0.208 |
| 14.727 | 0.342 | 14.738 | 0.302 | 14.755 | 0.236 | 14.767 | 0.182 | 18.766 | 0.229 | 18.787 | 0.250 | 18.805 | 0.278 | 18.820 | 0.285 |
| 14.779 | 0.163 | 14.795 | 0.143 | 14.815 | 0.144 | 14.827 | 0.179 | 18.834 | 0.313 | 18.849 | 0.307 | 18.870 | 0.287 | 18.884 | 0.288 |
| 14.841 | 0.227 | 14.856 | 0.268 | 14.870 | 0.289 | 14.883 | 0.269 | 18.903 | 0.302 | 18.919 | 0.323 | 18.941 | 0.344 | 18.959 | 0.331 |
| 14.904 | 0.257 | 14.918 | 0.177 | 14.929 | 0.090 | 14.935 | 0.017 | 18.980 | 0.319 | 18.994 | 0.319 | 19.023 | 0.314 | 19.040 | 0.335 |
| 14.945 | -0.104 | 14.960 | -0.278 | 14.977 | -0.519 | 14.989 | -0.720 | 19.061 | 0.369 | 19.075 | 0.404 | 19.100 | 0.452 | 19.122 | 0.439 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 19.144 | 0.427 | 19.167 | 0.401 | 19.185 | 0.382 | 19.203 | 0.363 | 24.233 | -0.335 | 24.255 | -0.326 | 24.276 | -0.318 | 24.292 | -0.297 |
| 19.221 | 0.338 | 19.238 | 0.326 | 19.259 | 0.314 | 19.276 | 0.294 | 24.309 | -0.255 | 24.334 | -0.226 | 24.351 | -0.211 | 24.375 | -0.202 |
| 19.255 | 0.175 | 19.319 | 0.103 | 19.339 | 0.064 | 19.360 | 0.012 | 24.393 | -0.214 | 24.425 | -0.225 | 24.444 | -0.211 | 24.476 | -0.207 |
| 19.383 | -0.040 | 19.402 | 0.002 | 19.424 | 0.071 | 19.443 | 0.147 | 24.495 | -0.179 | 24.523 | -0.057 | 24.538 | -0.057 | 24.571 | -0.016 |
| 19.459 | 0.195 | 19.486 | 0.238 | 19.506 | 0.233 | 19.538 | 0.228 | 24.586 | -0.009 | 24.610 | 0.023 | 24.623 | -0.010 | 24.655 | -0.016 |
| 19.558 | 0.257 | 19.578 | 0.332 | 19.595 | 0.394 | 19.617 | 0.463 | 24.687 | -0.042 | 24.717 | -0.014 | 24.731 | -0.014 | 24.765 | -0.105 |
| 19.643 | 0.511 | 19.661 | 0.445 | 19.679 | 0.466 | 19.709 | 0.414 | 24.783 | -0.144 | 24.802 | 0.165 | 24.821 | 0.166 | 24.849 | 0.195 |
| 19.727 | 0.421 | 19.752 | 0.449 | 19.782 | 0.471 | 19.807 | 0.499 | 24.859 | 0.222 | 24.903 | 0.256 | 24.925 | 0.260 | 24.948 | 0.337 |
| 19.831 | 0.534 | 19.855 | 0.582 | 19.879 | 0.610 | 19.897 | 0.678 | 24.970 | 0.378 | 24.988 | 0.438 | 25.006 | 0.460 | 25.024 | 0.492 |
| 19.914 | 0.695 | 19.943 | 0.734 | 19.966 | 0.655 | 19.987 | 0.622 | 25.056 | 0.401 | 25.081 | 0.425 | 25.108 | 0.446 | 25.142 | 0.366 |
| 20.027 | 0.516 | 20.029 | 0.436 | 20.056 | 0.391 | 20.085 | 0.325 | 25.195 | 0.485 | 25.211 | 0.462 | 25.237 | 0.469 | 25.263 | 0.471 |
| 20.107 | 0.246 | 20.127 | 0.220 | 20.152 | 0.168 | 20.175 | 0.116 | 25.287 | 0.485 | 25.312 | 0.527 | 25.350 | 0.555 | 25.381 | 0.584 |
| 20.197 | 0.043 | 20.217 | 0.043 | 20.236 | -0.083 | 20.258 | -0.055 | 25.410 | 0.593 | 25.435 | 0.575 | 25.455 | 0.595 | 25.494 | 0.437 |
| 20.275 | -0.121 | 20.300 | -0.153 | 20.319 | -0.240 | 20.337 | -0.319 | 25.522 | 0.399 | 25.552 | 0.360 | 25.579 | 0.355 | 25.609 | 0.336 |
| 20.353 | -0.372 | 20.371 | -0.438 | 20.395 | -0.418 | 20.422 | -0.390 | 25.635 | 0.310 | 25.662 | 0.290 | 25.689 | 0.244 | 25.718 | 0.191 |
| 20.441 | -0.389 | 20.465 | -0.389 | 20.485 | -0.374 | 20.505 | -0.360 | 25.746 | 0.134 | 25.797 | 0.166 | 25.821 | 0.180 | 25.841 | 0.174 |
| 20.529 | -0.353 | 20.545 | -0.392 | 20.566 | -0.479 | 20.588 | -0.505 | 25.991 | -0.053 | 26.018 | -0.086 | 26.054 | -0.079 | 26.083 | -0.065 |
| 20.616 | -0.544 | 20.646 | -0.610 | 20.668 | -0.636 | 20.693 | -0.601 | 26.152 | -0.062 | 26.174 | -0.074 | 26.195 | -0.039 | 26.214 | -0.125 |
| 20.712 | -0.493 | 20.733 | -0.418 | 20.751 | -0.350 | 20.779 | -0.328 | 26.237 | -0.150 | 26.266 | -0.175 | 26.296 | -0.175 | 26.327 | -0.192 |
| 20.802 | -0.314 | 20.829 | -0.305 | 20.850 | -0.283 | 20.866 | -0.282 | 26.354 | -0.191 | 26.370 | -0.224 | 26.395 | -0.256 | 26.433 | -0.334 |
| 20.866 | -0.281 | 20.900 | -0.280 | 20.920 | -0.278 | 20.939 | -0.216 | 26.458 | -0.366 | 26.480 | -0.392 | 26.503 | -0.438 | 26.530 | -0.444 |
| 20.970 | -0.174 | 20.991 | -0.159 | 21.022 | -0.177 | 21.040 | -0.250 | 26.550 | -0.470 | 26.574 | -0.456 | 26.614 | -0.574 | 26.631 | -0.613 |
| 21.065 | -0.342 | 21.090 | -0.407 | 21.107 | -0.460 | 21.126 | -0.506 | 26.685 | -0.663 | 26.684 | -0.655 | 26.733 | -0.683 | 26.756 | -0.661 |
| 21.149 | -0.504 | 21.168 | -0.503 | 21.189 | -0.495 | 21.210 | -0.507 | 26.783 | -0.645 | 26.815 | -0.649 | 26.883 | -0.671 | 26.913 | -0.668 |
| 21.234 | -0.539 | 21.262 | -0.571 | 21.279 | -0.584 | 21.296 | -0.603 | 26.940 | -0.639 | 26.961 | -0.618 | 26.998 | -0.542 | 27.015 | -0.501 |
| 21.318 | -0.581 | 21.341 | -0.519 | 21.363 | -0.477 | 21.388 | -0.422 | 27.048 | -0.439 | 27.078 | -0.411 | 27.100 | -0.373 | 27.142 | -0.315 |
| 21.420 | -0.395 | 21.442 | -0.418 | 21.466 | -0.457 | 21.480 | -0.483 | 27.166 | -0.254 | 27.198 | -0.165 | 27.229 | -0.103 | 27.283 | -0.004 |
| 21.500 | -0.568 | 21.530 | -0.472 | 21.552 | -0.376 | 21.575 | -0.300 | 27.311 | 0.012 | 27.340 | 0.001 | 27.372 | -0.029 | 27.400 | -0.047 |
| 21.595 | -0.170 | 21.622 | -0.081 | 21.654 | -0.004 | 21.678 | -0.043 | 27.425 | -0.018 | 27.472 | 0.014 | 27.499 | 0.092 | 27.523 | 0.100 |
| 21.778 | 0.059 | 21.795 | 0.140 | 21.809 | 0.129 | 21.826 | 0.344 | 27.548 | 0.101 | 27.573 | 0.074 | 27.613 | 0.129 | 27.661 | 0.089 |
| 21.837 | 0.385 | 21.864 | 0.440 | 21.892 | 0.388 | 21.922 | 0.323 | 27.695 | 0.137 | 27.722 | 0.144 | 27.757 | 0.178 | 27.789 | 0.172 |
| 21.949 | 0.257 | 21.978 | 0.232 | 22.001 | 0.280 | 22.029 | 0.349 | 27.821 | 0.146 | 27.852 | 0.154 | 27.882 | 0.155 | 27.952 | 0.210 |
| 22.049 | 0.398 | 22.072 | 0.446 | 22.096 | 0.461 | 22.118 | 0.449 | 27.979 | 0.278 | 28.008 | 0.353 | 28.052 | 0.421 | 28.084 | 0.456 |
| 22.135 | 0.471 | 22.164 | 0.486 | 22.191 | 0.562 | 22.220 | 0.551 | 28.113 | 0.470 | 28.150 | 0.412 | 28.185 | 0.527 | 28.204 | 0.569 |
| 22.250 | 0.620 | 22.280 | 0.556 | 22.305 | 0.537 | 22.331 | 0.471 | 28.240 | 0.543 | 28.260 | 0.551 | 28.279 | 0.538 | 28.298 | 0.546 |
| 22.357 | 0.453 | 22.390 | 0.435 | 22.413 | 0.403 | 22.437 | 0.344 | 28.318 | 0.534 | 28.342 | 0.549 | 28.367 | 0.564 | 28.391 | 0.592 |
| 22.467 | 0.306 | 22.491 | 0.315 | 22.511 | 0.330 | 22.528 | 0.331 | 28.414 | 0.606 | 28.433 | 0.637 | 28.457 | 0.607 | 28.483 | 0.580 |
| 22.549 | 0.332 | 22.568 | 0.334 | 22.593 | 0.342 | 22.614 | 0.350 | 28.501 | 0.540 | 28.522 | 0.567 | 28.544 | 0.460 | 28.573 | 0.413 |
| 22.634 | 0.392 | 22.654 | 0.420 | 22.674 | 0.456 | 22.699 | 0.504 | 28.552 | 0.406 | 28.565 | 0.367 | 28.641 | 0.345 | 28.664 | 0.324 |
| 22.726 | 0.478 | 22.749 | 0.432 | 22.775 | 0.394 | 22.799 | 0.365 | 28.702 | 0.277 | 28.716 | 0.243 | 28.745 | 0.176 | 28.765 | 0.102 |
| 22.809 | 0.339 | 22.822 | 0.340 | 22.838 | 0.294 | 22.862 | 0.280 | 28.787 | 0.041 | 28.836 | 0.001 | 28.866 | -0.006 | 28.894 | -0.006 |
| 22.855 | 0.281 | 22.908 | 0.295 | 22.927 | 0.309 | 22.938 | 0.303 | 28.919 | -0.060 | 28.964 | -0.120 | 28.987 | -0.161 | 29.018 | -0.201 |
| 22.965 | 0.270 | 22.977 | 0.236 | 22.995 | 0.223 | 23.009 | 0.203 | 29.062 | -0.228 | 29.096 | -0.262 | 29.138 | -0.275 | 29.152 | -0.295 |
| 23.029 | 0.182 | 23.048 | 0.156 | 23.060 | 0.142 | 23.075 | 0.122 | 29.177 | -0.336 | 29.202 | -0.362 | 29.229 | -0.383 | 29.252 | -0.430 |
| 23.089 | 0.089 | 23.108 | 0.056 | 23.133 | 0.058 | 23.165 | 0.120 | 29.282 | -0.436 | 29.302 | -0.430 | 29.319 | -0.403 | 29.344 | -0.383 |
| 23.180 | 0.154 | 23.200 | 0.155 | 23.238 | 0.055 | 23.263 | 0.041 | 29.395 | -0.356 | 29.419 | -0.362 | 29.474 | -0.368 | 29.509 | -0.367 |
| 23.271 | -0.013 | 23.281 | -0.046 | 23.305 | -0.133 | 23.332 | -0.219 | 29.528 | -0.355 | 29.549 | -0.345 | 29.587 | -0.344 | 29.612 | -0.342 |
| 23.346 | -0.251 | 23.366 | -0.302 | 23.413 | -0.324 | 23.449 | -0.343 | 29.640 | -0.361 | 29.662 | -0.380 | 29.686 | -0.426 | 29.702 | -0.459 |
| 23.484 | -0.376 | 23.501 | -0.402 | 23.549 | -0.441 | 23.576 | -0.460 | 29.721 | -0.492 | 29.791 | -0.488 | 29.830 | -0.493 | 29.863 | -0.499 |
| 23.600 | -0.486 | 23.630 | -0.505 | 23.667 | -0.511 | 23.685 | -0.530 | 29.854 | -0.511 | 29.938 | -0.510 | 29.972 | -0.508 | 30.068 | -0.480 |
| 23.725 | -0.536 | 23.752 | -0.556 | 23.784 | -0.573 | 23.797 | -0.599 | 30.031 | -0.445 | 30.076 | -0.443 | 30.105 | -0.441 | 30.162 | -0.418 |
| 23.823 | -0.638 | 23.861 | -0.670 | 23.876 | -0.662 | 23.895 | -0.661 | 30.188 | -0.397 | 30.206 | -0.355 | 30.226 | -0.321 | 30.264 | -0.251 |
| 23.922 | -0.573 | 23.933 | -0.519 | 23.970 | -0.471 | 23.991 | -0.457 | 30.250 | -0.259 | 30.311 | -0.264 | 30.331 | -0.180 | 30.372 | -0.064 |
| 24.022 | -0.423 | 24.045 | -0.409 | 24.076 | -0.348 | 24.097 | -0.314 | 30.397 | -0.036 | 30.419 | 0.011 | 30.444 | 0.059 | 30.482 | 0.128 |
| 24.111 | -0.287 | 24.143 | -0.293 | 24.161 | -0.299 | 24.196 | -0.330 | 30.511 | 0.183 | 30.554 | 0.157 | 30.578 | 0.212 | 30.601 | 0.239 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 30.643 | 0.281 | 30.668 | 0.289 | 30.697 | 0.310 | 30.743 | 0.354 | 36.478 | 0.110 | 36.491 | 0.125 | 36.506 | 0.126 | 36.518 | 0.127 |
| 30.769 | 0.402 | 30.811 | 0.492 | 30.842 | 0.554 | 30.878 | 0.535 | 36.528 | 0.128 | 36.541 | 0.128 | 36.558 | 0.129 | 36.572 | 0.137 |
| 30.925 | 0.537 | 30.973 | 0.538 | 31.015 | 0.512 | 31.070 | 0.459 | 36.567 | 0.139 | 36.603 | 0.120 | 36.613 | 0.119 | 36.623 | 0.110 |
| 31.057 | 0.446 | 31.141 | 0.359 | 31.170 | 0.299 | 31.200 | 0.299 | 36.643 | 0.111 | 36.656 | 0.106 | 36.667 | 0.101 | 36.664 | 0.096 |
| 31.251 | 0.280 | 31.288 | 0.275 | 31.316 | 0.276 | 31.376 | 0.250 | 36.657 | 0.084 | 36.713 | 0.085 | 36.726 | 0.072 | 36.744 | 0.074 |
| 31.407 | 0.238 | 31.470 | 0.239 | 31.494 | 0.254 | 31.544 | 0.248 | 36.756 | 0.075 | 36.773 | 0.056 | 36.791 | 0.131 | 36.801 | 0.178 |
| 31.576 | 0.236 | 31.598 | 0.243 | 31.648 | 0.238 | 31.694 | 0.233 | 36.816 | 0.213 | 36.829 | 0.247 | 36.848 | 0.262 | 36.859 | 0.256 |
| 31.716 | 0.235 | 31.754 | 0.237 | 31.802 | 0.206 | 31.832 | 0.175 | 36.868 | 0.257 | 36.881 | 0.251 | 36.896 | 0.238 | 36.912 | 0.246 |
| 31.857 | 0.084 | 31.942 | 0.045 | 31.962 | 0.018 | 32.005 | -0.034 | 36.929 | 0.240 | 36.945 | 0.227 | 36.969 | 0.222 | 36.985 | 0.209 |
| 32.054 | -0.114 | 32.057 | -0.154 | 32.093 | -0.221 | 32.128 | -0.273 | 36.998 | 0.217 | 37.012 | 0.211 | 37.027 | 0.232 | 37.045 | 0.281 |
| 32.171 | -0.306 | 32.212 | -0.380 | 32.242 | -0.440 | 32.289 | -0.506 | 37.068 | 0.343 | 37.084 | 0.378 | 37.100 | 0.433 | 37.118 | 0.482 |
| 32.287 | -0.540 | 32.336 | -0.586 | 32.359 | -0.613 | 32.394 | -0.652 | 37.134 | 0.537 | 37.152 | 0.559 | 37.165 | 0.647 | 37.179 | 0.689 |
| 32.417 | -0.678 | 32.452 | -0.704 | 32.479 | -0.690 | 32.537 | -0.666 | 37.196 | 0.711 | 37.213 | 0.672 | 37.239 | 0.654 | 37.257 | 0.609 |
| 32.553 | -0.639 | 32.603 | -0.636 | 32.630 | -0.621 | 32.660 | -0.586 | 37.276 | 0.584 | 37.296 | 0.552 | 37.314 | 0.520 | 37.331 | 0.488 |
| 32.681 | -0.551 | 32.707 | -0.536 | 32.748 | -0.480 | 32.773 | -0.445 | 37.354 | 0.457 | 37.379 | 0.439 | 37.404 | 0.408 | 37.423 | 0.389 |
| 32.818 | -0.389 | 32.846 | -0.368 | 32.895 | -0.278 | 32.921 | -0.243 | 37.447 | 0.378 | 37.469 | 0.359 | 37.491 | 0.327 | 37.512 | 0.294 |
| 32.967 | -0.201 | 33.008 | -0.105 | 33.056 | -0.083 | 33.077 | -0.082 | 37.532 | 0.242 | 37.551 | 0.210 | 37.581 | 0.159 | 37.605 | 0.127 |
| 33.106 | -0.101 | 33.131 | -0.114 | 33.187 | -0.111 | 33.255 | -0.109 | 37.631 | 0.110 | 37.652 | 0.078 | 37.672 | 0.073 | 37.696 | 0.035 |
| 33.289 | -0.167 | 33.351 | -0.098 | 33.376 | -0.090 | 33.424 | -0.061 | 37.717 | 0.010 | 37.733 | -0.069 | 37.744 | -0.102 | 37.757 | -0.161 |
| 33.441 | -0.053 | 33.481 | -0.031 | 33.518 | 0.011 | 33.534 | 0.031 | 37.771 | -0.200 | 37.782 | -0.227 | 37.757 | -0.259 | 37.808 | -0.278 |
| 33.555 | 0.066 | 33.585 | 0.127 | 33.603 | 0.134 | 33.638 | 0.156 | 37.820 | -0.291 | 37.835 | -0.289 | 37.847 | -0.308 | 37.859 | -0.307 |
| 33.659 | 0.156 | 33.704 | 0.178 | 33.725 | 0.186 | 33.744 | 0.214 | 37.873 | -0.306 | 37.888 | -0.297 | 37.902 | -0.262 | 37.915 | -0.221 |
| 33.774 | 0.310 | 33.814 | 0.399 | 33.833 | 0.434 | 33.851 | 0.482 | 37.929 | -0.199 | 37.945 | -0.170 | 37.950 | -0.149 | 37.971 | -0.127 |
| 33.890 | 0.505 | 33.917 | 0.521 | 33.960 | 0.571 | 33.977 | 0.612 | 37.993 | -0.132 | 38.012 | -0.150 | 38.028 | -0.163 | 38.043 | -0.175 |
| 34.022 | 0.628 | 34.108 | 0.632 | 34.146 | 0.634 | 34.176 | 0.628 | 38.061 | -0.180 | 38.078 | -0.159 | 38.094 | -0.211 | 38.113 | -0.209 |
| 34.202 | 0.602 | 34.226 | 0.576 | 34.258 | 0.537 | 34.313 | 0.519 | 38.131 | -0.208 | 38.148 | -0.193 | 38.170 | -0.184 | 38.194 | -0.169 |
| 34.351 | 0.453 | 34.369 | 0.400 | 34.390 | 0.374 | 34.433 | 0.316 | 38.218 | -0.147 | 38.226 | -0.153 | 38.239 | -0.138 | 38.256 | -0.117 |
| 34.455 | 0.276 | 34.508 | 0.204 | 34.531 | 0.158 | 34.581 | 0.085 | 38.274 | -0.110 | 38.289 | -0.102 | 38.302 | -0.108 | 38.319 | -0.115 |
| 34.611 | 0.046 | 34.652 | -0.020 | 34.681 | -0.033 | 34.714 | -0.072 | 38.337 | -0.120 | 38.364 | -0.140 | 38.391 | -0.153 | 38.410 | -0.160 |
| 34.757 | -0.071 | 34.806 | -0.048 | 34.833 | -0.047 | 34.884 | -0.058 | 38.429 | -0.173 | 38.452 | -0.159 | 38.468 | -0.139 | 38.485 | -0.111 |
| 34.908 | -0.077 | 34.954 | -0.055 | 35.000 | -0.092 | 35.048 | -0.082 | 38.506 | -0.129 | 38.526 | -0.147 | 38.545 | -0.173 | 38.563 | -0.184 |
| 35.091 | -0.072 | 35.118 | -0.097 | 35.169 | -0.120 | 35.218 | -0.170 | 38.581 | -0.203 | 38.603 | -0.214 | 38.620 | -0.232 | 38.640 | -0.257 |
| 35.204 | -0.186 | 35.285 | -0.218 | 35.325 | -0.303 | 35.359 | -0.382 | 38.623 | -0.301 | 38.681 | -0.332 | 38.688 | -0.358 | 38.706 | -0.377 |
| 35.404 | -0.415 | 35.438 | -0.442 | 35.482 | -0.481 | 35.506 | -0.515 | 38.722 | -0.410 | 38.741 | -0.442 | 38.755 | -0.475 | 38.768 | -0.495 |
| 35.523 | -0.541 | 35.542 | -0.567 | 35.561 | -0.600 | 35.567 | -0.620 | 38.764 | -0.507 | 38.789 | -0.507 | 38.808 | -0.500 | 38.822 | -0.486 |
| 35.578 | -0.626 | 35.588 | -0.653 | 35.595 | -0.653 | 35.605 | -0.673 | 38.840 | -0.458 | 38.854 | -0.424 | 38.867 | -0.390 | 38.880 | -0.362 |
| 35.612 | -0.686 | 35.621 | -0.653 | 35.627 | -0.713 | 35.632 | -0.719 | 38.893 | -0.347 | 38.908 | -0.346 | 38.928 | -0.330 | 38.942 | -0.322 |
| 35.642 | -0.726 | 35.648 | -0.732 | 35.655 | -0.745 | 35.660 | -0.757 | 38.958 | -0.314 | 38.974 | -0.319 | 38.989 | -0.317 | 39.003 | -0.315 |
| 35.666 | -0.770 | 35.672 | -0.775 | 35.678 | -0.782 | 35.684 | -0.781 | 39.019 | -0.314 | 39.033 | -0.305 | 39.050 | -0.303 | 39.065 | -0.255 |
| 35.690 | -0.781 | 35.706 | -0.753 | 35.718 | -0.719 | 35.728 | -0.671 | 39.075 | -0.227 | 39.092 | -0.205 | 39.110 | -0.183 | 39.130 | -0.160 |
| 35.738 | -0.651 | 35.748 | -0.616 | 35.759 | -0.582 | 35.768 | -0.541 | 39.143 | -0.119 | 39.161 | -0.063 | 39.177 | -0.062 | 39.193 | -0.027 |
| 35.777 | -0.520 | 35.787 | -0.499 | 35.799 | -0.478 | 35.811 | -0.470 | 39.207 | 0.008 | 39.225 | 0.036 | 39.242 | 0.071 | 39.256 | 0.127 |
| 35.821 | -0.462 | 35.833 | -0.448 | 35.842 | -0.453 | 35.852 | -0.452 | 39.275 | 0.162 | 39.291 | 0.203 | 39.306 | 0.232 | 39.324 | 0.261 |
| 35.862 | -0.451 | 35.869 | -0.450 | 35.880 | -0.435 | 35.893 | -0.434 | 39.342 | 0.276 | 39.363 | 0.305 | 39.380 | 0.314 | 39.401 | 0.317 |
| 35.901 | -0.426 | 35.912 | -0.411 | 35.926 | -0.389 | 35.937 | -0.368 | 39.417 | 0.219 | 39.433 | 0.228 | 39.451 | 0.337 | 39.475 | 0.334 |
| 35.948 | -0.346 | 35.959 | -0.325 | 35.970 | -0.290 | 35.983 | -0.275 | 39.496 | 0.337 | 39.516 | 0.339 | 39.534 | 0.348 | 39.555 | 0.370 |
| 35.955 | -0.247 | 36.001 | -0.246 | 36.011 | -0.232 | 36.022 | -0.217 | 39.572 | 0.373 | 39.588 | 0.374 | 39.602 | 0.376 | 39.620 | 0.371 |
| 36.035 | -0.216 | 36.039 | -0.216 | 36.049 | -0.208 | 36.056 | -0.193 | 39.642 | 0.353 | 39.666 | 0.329 | 39.685 | 0.311 | 39.706 | 0.293 |
| 36.067 | -0.179 | 36.078 | -0.165 | 36.089 | -0.143 | 36.102 | -0.122 | 39.722 | 0.262 | 39.739 | 0.258 | 39.753 | 0.253 | 39.769 | 0.241 |
| 36.117 | -0.107 | 36.128 | -0.073 | 36.143 | -0.045 | 36.162 | -0.009 | 39.788 | 0.230 | 39.804 | 0.212 | 39.822 | 0.221 | 39.838 | 0.216 |
| 36.176 | 0.011 | 36.193 | 0.073 | 36.206 | 0.073 | 36.222 | 0.054 | 39.857 | 0.218 | 39.877 | 0.206 | 39.894 | 0.194 | 39.910 | 0.181 |
| 36.238 | 0.109 | 36.251 | 0.136 | 36.265 | 0.157 | 36.278 | 0.164 | 39.930 | 0.169 | 39.951 | 0.156 | 39.973 | 0.158 | 39.992 | 0.159 |
| 36.285 | 0.185 | 36.293 | 0.179 | 36.303 | 0.179 | 36.314 | 0.187 | 40.011 | 0.154 | 40.030 | 0.156 | 40.044 | 0.137 | 40.054 | 0.131 |
| 36.324 | 0.188 | 36.336 | 0.175 | 36.351 | 0.176 | 36.361 | 0.163 | 40.066 | 0.125 | 40.078 | 0.126 | 40.087 | 0.133 | 40.099 | 0.134 |
| 36.376 | 0.145 | 36.387 | 0.133 | 36.402 | 0.108 | 36.413 | 0.096 | 40.110 | 0.136 | 40.119 | 0.157 | 40.139 | 0.200 | 40.156 | 0.237 |
| 36.429 | 0.091 | 36.442 | 0.053 | 36.454 | 0.054 | 36.466 | 0.102 | 40.171 | 0.252 | 40.186 | 0.267 | 40.203 | 0.315 | 40.223 | 0.330 |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 40.245 | 0.344 | 40.267 | 0.359 | 40.289 | 0.359 | 40.310 | 0.360 | 44.724 | -0.052 | 44.750 | -0.042 | 44.774 | -0.047 | 44.803 | 0.015 |
| 40.329 | 0.354 | 40.346 | 0.355 | 40.369 | 0.344 | 40.387 | 0.345 | 44.829 | 0.043 | 44.857 | 0.058 | 44.878 | 0.080 | 44.903 | 0.081 |
| 40.404 | 0.347 | 40.428 | 0.349 | 40.447 | 0.358 | 40.465 | 0.359 | 44.923 | 0.062 | 44.945 | 0.064 | 44.969 | 0.058 | 44.993 | 0.054 |
| 40.484 | 0.354 | 40.508 | 0.350 | 40.530 | 0.345 | 40.551 | 0.341 | 45.019 | 0.057 | 45.041 | 0.060 | 45.062 | 0.063 | 45.082 | 0.058 |
| 40.572 | 0.343 | 40.593 | 0.345 | 40.619 | 0.314 | 40.641 | 0.289 | 45.100 | 0.061 | 45.126 | 0.057 | 45.153 | 0.053 | 45.180 | 0.030 |
| 40.671 | 0.219 | 40.700 | 0.168 | 40.717 | 0.129 | 40.736 | 0.084 | 45.200 | -0.002 | 45.216 | -0.007 | 45.239 | -0.019 | 45.265 | -0.030 |
| 40.775 | 0.045 | 40.775 | -0.007 | 40.796 | -0.038 | 40.814 | -0.090 | 45.287 | -0.028 | 45.314 | -0.026 | 45.334 | -0.018 | 45.370 | -0.002 |
| 40.832 | -0.148 | 40.851 | -0.186 | 40.872 | -0.217 | 40.892 | -0.247 | 45.358 | -0.067 | 45.422 | -0.066 | 45.445 | -0.002 | 45.479 | 0.011 |
| 40.916 | -0.263 | 40.939 | -0.253 | 40.959 | -0.292 | 40.981 | -0.303 | 45.508 | 0.061 | 45.530 | 0.104 | 45.553 | 0.113 | 45.584 | 0.136 |
| 41.002 | -0.301 | 41.026 | -0.313 | 41.037 | -0.312 | 41.052 | -0.311 | 45.615 | 0.153 | 45.648 | 0.143 | 45.678 | 0.179 | 45.700 | 0.208 |
| 41.069 | -0.323 | 41.085 | -0.328 | 41.104 | -0.347 | 41.125 | -0.352 | 45.722 | 0.257 | 45.746 | 0.306 | 45.772 | 0.342 | 45.800 | 0.385 |
| 41.142 | -0.357 | 41.167 | -0.375 | 41.189 | -0.386 | 41.210 | -0.384 | 45.829 | 0.355 | 45.855 | 0.417 | 45.890 | 0.420 | 45.916 | 0.443 |
| 41.234 | -0.361 | 41.259 | -0.345 | 41.268 | -0.325 | 41.282 | -0.291 | 45.947 | 0.466 | 45.976 | 0.489 | 46.006 | 0.512 | 46.032 | 0.475 |
| 41.257 | -0.288 | 41.311 | -0.264 | 41.327 | -0.257 | 41.344 | -0.243 | 46.055 | 0.465 | 46.082 | 0.434 | 46.098 | 0.416 | 46.121 | 0.385 |
| 41.364 | -0.228 | 41.379 | -0.221 | 41.356 | -0.207 | 41.418 | -0.185 | 46.142 | 0.367 | 46.165 | 0.356 | 46.190 | 0.331 | 46.210 | 0.320 |
| 41.439 | -0.149 | 41.455 | -0.121 | 41.478 | -0.098 | 41.503 | -0.069 | 46.233 | 0.309 | 46.256 | 0.258 | 46.274 | 0.288 | 46.298 | 0.258 |
| 41.522 | -0.047 | 41.537 | -0.012 | 41.550 | -0.010 | 41.572 | -0.008 | 46.323 | 0.249 | 46.343 | 0.238 | 46.372 | 0.221 | 46.398 | 0.211 |
| 41.565 | 0.007 | 41.606 | 0.010 | 41.632 | 0.020 | 41.651 | 0.016 | 46.426 | 0.180 | 46.454 | 0.162 | 46.482 | 0.123 | 46.510 | 0.111 |
| 41.671 | -0.008 | 41.681 | -0.014 | 41.700 | -0.026 | 41.716 | -0.052 | 46.540 | 0.099 | 46.565 | 0.102 | 46.601 | 0.091 | 46.625 | 0.073 |
| 41.810 | -0.140 | 41.829 | -0.146 | 41.848 | -0.145 | 41.870 | -0.158 | 46.653 | 0.081 | 46.684 | 0.104 | 46.712 | 0.099 | 46.742 | 0.114 |
| 41.889 | -0.162 | 41.906 | -0.160 | 41.914 | -0.159 | 41.926 | -0.165 | 46.765 | 0.137 | 46.753 | 0.153 | 46.820 | 0.175 | 46.851 | 0.186 |
| 41.950 | -0.150 | 41.971 | -0.199 | 41.986 | -0.224 | 42.009 | -0.227 | 46.881 | 0.197 | 46.899 | 0.186 | 46.924 | 0.189 | 46.947 | 0.191 |
| 42.032 | -0.230 | 42.050 | -0.221 | 42.062 | -0.227 | 42.081 | -0.231 | 46.969 | 0.193 | 46.991 | 0.155 | 47.017 | 0.183 | 47.041 | 0.158 |
| 42.100 | -0.243 | 42.128 | -0.254 | 42.146 | -0.252 | 42.174 | -0.236 | 47.065 | 0.132 | 47.097 | 0.113 | 47.121 | 0.081 | 47.144 | 0.062 |
| 42.200 | -0.213 | 42.225 | -0.164 | 42.258 | -0.127 | 42.276 | -0.098 | 47.161 | 0.063 | 47.185 | 0.059 | 47.212 | -0.048 | 47.238 | 0.037 |
| 42.299 | -0.068 | 42.323 | -0.052 | 42.344 | -0.011 | 42.364 | -0.060 | 47.264 | 0.019 | 47.290 | 0.009 | 47.315 | -0.022 | 47.343 | -0.032 |
| 42.388 | 0.103 | 42.407 | 0.166 | 42.427 | 0.195 | 42.448 | 0.231 | 47.370 | -0.063 | 47.399 | -0.106 | 47.431 | -0.129 | 47.456 | -0.153 |
| 42.470 | 0.273 | 42.490 | 0.255 | 42.512 | 0.358 | 42.535 | 0.388 | 47.479 | -0.196 | 47.495 | -0.207 | 47.522 | -0.217 | 47.543 | -0.241 |
| 42.555 | 0.423 | 42.573 | 0.472 | 42.595 | 0.495 | 42.615 | 0.510 | 47.570 | -0.246 | 47.598 | -0.250 | 47.620 | -0.248 | 47.642 | -0.240 |
| 42.634 | 0.515 | 42.655 | 0.521 | 42.677 | 0.524 | 42.691 | 0.525 | 47.663 | -0.238 | 47.682 | -0.223 | 47.707 | -0.187 | | |
| 42.711 | 0.534 | 42.730 | 0.543 | 42.749 | 0.559 | 42.769 | 0.554 | | | | | | | | |
| 42.791 | 0.549 | 42.812 | 0.551 | 42.835 | 0.540 | 42.859 | 0.522 | | | | | | | | |
| 42.883 | 0.490 | 42.906 | 0.452 | 42.933 | 0.427 | 42.960 | 0.403 | | | | | | | | |
| 42.984 | 0.378 | 43.007 | 0.333 | 43.032 | 0.255 | 43.049 | 0.249 | | | | | | | | |
| 43.077 | 0.184 | 43.097 | 0.172 | 43.122 | 0.154 | 43.142 | 0.115 | | | | | | | | |
| 43.167 | 0.083 | 43.184 | 0.078 | 43.207 | 0.080 | 43.224 | 0.081 | | | | | | | | |
| 43.241 | 0.082 | 43.267 | 0.098 | 43.288 | 0.059 | 43.308 | 0.100 | | | | | | | | |
| 43.328 | 0.102 | 43.347 | 0.103 | 43.366 | 0.097 | 43.384 | 0.098 | | | | | | | | |
| 43.401 | 0.099 | 43.422 | 0.108 | 43.444 | 0.130 | 43.462 | 0.152 | | | | | | | | |
| 43.483 | 0.180 | 43.505 | 0.203 | 43.523 | 0.212 | 43.545 | 0.221 | | | | | | | | |
| 43.562 | 0.223 | 43.581 | 0.231 | 43.601 | 0.241 | 43.618 | 0.256 | | | | | | | | |
| 43.641 | 0.259 | 43.661 | 0.289 | 43.681 | 0.318 | 43.700 | 0.319 | | | | | | | | |
| 43.717 | 0.328 | 43.738 | 0.303 | 43.746 | 0.257 | 43.759 | 0.271 | | | | | | | | |
| 43.775 | 0.265 | 43.787 | 0.259 | 43.801 | 0.246 | 43.816 | 0.233 | | | | | | | | |
| 43.837 | 0.227 | 43.851 | 0.221 | 43.868 | 0.201 | 43.882 | 0.202 | | | | | | | | |
| 43.895 | 0.189 | 43.909 | 0.170 | 43.929 | 0.157 | 43.945 | 0.124 | | | | | | | | |
| 43.961 | 0.071 | 43.976 | 0.045 | 43.999 | 0.006 | 44.017 | -0.040 | | | | | | | | |
| 44.038 | -0.065 | 44.056 | -0.084 | 44.077 | -0.103 | 44.095 | -0.122 | | | | | | | | |
| 44.113 | -0.141 | 44.131 | -0.153 | 44.151 | -0.152 | 44.171 | -0.231 | | | | | | | | |
| 44.184 | -0.250 | 44.210 | -0.269 | 44.226 | -0.294 | 44.242 | -0.313 | | | | | | | | |
| 44.257 | -0.332 | 44.282 | -0.350 | 44.305 | -0.368 | 44.328 | -0.386 | | | | | | | | |
| 44.343 | -0.412 | 44.366 | -0.417 | 44.386 | -0.422 | 44.406 | -0.414 | | | | | | | | |
| 44.433 | -0.358 | 44.461 | -0.370 | 44.487 | -0.348 | 44.509 | -0.340 | | | | | | | | |
| 44.531 | -0.317 | 44.555 | -0.281 | 44.582 | -0.244 | 44.610 | -0.180 | | | | | | | | |
| 44.637 | -0.157 | 44.660 | -0.121 | 44.683 | -0.104 | 44.704 | -0.095 | | | | | | | | |

IQ242

71-171 2/9/71 0600PST L.A. 800 W. FIRST ST. 16TH FL.

3280 PCINTS 47.704 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 0.2293 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.157 | 0.018 | -0.130 | 0.035 | -0.098 | 0.046 | -0.076 | 1.706 | C.246 | 1.719 | 0.148 | 1.730 | C.005 | 1.739 | -C.161 | 1.739 | -C.161 |
| 0.066 | -0.018 | 0.080 | -0.036 | 0.100 | 0.085 | 0.114 | 0.139 | 1.748 | -0.299 | 1.757 | -C.366 | 1.770 | -C.343 | 1.778 | -C.308 | 1.778 | -C.308 |
| 0.127 | C.134 | C.145 | C.134 | C.161 | 0.112 | 0.177 | 0.103 | 1.752 | -C.262 | 1.801 | -0.154 | 1.812 | -C.043 | 1.815 | C.011 | 1.815 | C.011 |
| 0.190 | 0.085 | 0.204 | 0.090 | 0.214 | 0.032 | 0.222 | -0.035 | 1.833 | C.038 | 1.841 | C.038 | 1.854 | C.052 | 1.864 | -C.003 | 1.864 | -C.003 |
| 0.233 | -C.103 | 0.241 | -0.138 | 0.254 | -0.165 | 0.265 | -0.156 | 1.873 | C.109 | 1.885 | -C.028 | 1.895 | -C.028 | 1.904 | -C.314 | 1.904 | -C.314 |
| 0.281 | -C.138 | 0.287 | -0.183 | 0.293 | -0.223 | 0.303 | -0.245 | 1.912 | -C.287 | 1.924 | -0.153 | 1.933 | C.027 | 1.941 | C.089 | 1.941 | C.089 |
| 0.307 | -0.227 | 0.317 | -0.151 | 0.328 | -0.106 | 0.340 | -0.035 | 1.954 | C.197 | 1.962 | C.318 | 1.968 | C.394 | 1.978 | C.421 | 1.978 | C.421 |
| 0.348 | -C.068 | 0.358 | -0.030 | 0.368 | -0.075 | 0.375 | -0.092 | 1.987 | C.390 | 1.999 | C.310 | 2.008 | C.247 | 2.021 | C.091 | 2.021 | C.091 |
| 0.385 | -0.065 | 0.394 | -0.003 | 0.403 | 0.118 | 0.413 | 0.239 | 2.034 | -0.026 | 2.046 | -C.057 | 2.056 | -C.128 | 2.065 | -0.101 | 2.065 | -0.101 |
| 0.420 | 0.271 | 0.426 | 0.248 | 0.440 | 0.164 | 0.453 | 0.065 | 2.076 | -C.011 | 2.084 | C.016 | 2.093 | -C.011 | 2.105 | -0.065 | 2.105 | -0.065 |
| 0.472 | -C.091 | 0.484 | -0.198 | 0.496 | -0.319 | 0.498 | -0.355 | 2.116 | -C.118 | 2.127 | -C.018 | 2.142 | -C.126 | 2.154 | -C.153 | 2.154 | -C.153 |
| 0.506 | -0.386 | 0.512 | -0.359 | 0.522 | -0.238 | 0.534 | -0.081 | 2.166 | -0.225 | 2.175 | -0.318 | 2.182 | -C.358 | 2.190 | -0.364 | 2.190 | -0.364 |
| 0.546 | 0.053 | 0.557 | 0.156 | 0.565 | 0.183 | 0.573 | 0.152 | 2.196 | -C.363 | 2.207 | -C.228 | 2.218 | -C.054 | 2.231 | -0.041 | 2.231 | -0.041 |
| 0.585 | 0.018 | 0.600 | -0.147 | 0.609 | -0.268 | 0.614 | -0.317 | 2.241 | 0.166 | 2.253 | 0.202 | 2.263 | C.234 | 2.274 | 0.158 | 2.274 | 0.158 |
| 0.623 | -0.348 | 0.634 | -0.321 | 0.648 | -0.258 | 0.663 | -0.137 | 2.285 | C.145 | 2.298 | C.078 | 2.314 | C.060 | 2.338 | -0.034 | 2.338 | -0.034 |
| 0.675 | 0.006 | 0.685 | 0.056 | 0.693 | 0.020 | 0.704 | -0.043 | 2.338 | -C.002 | 2.354 | -C.024 | 2.368 | -C.086 | 2.380 | -0.158 | 2.380 | -0.158 |
| 0.716 | -0.547 | 0.724 | -0.069 | 0.733 | -0.056 | 0.742 | -0.051 | 2.392 | -C.225 | 2.401 | -0.301 | 2.412 | -C.350 | 2.439 | -0.318 | 2.439 | -0.318 |
| 0.754 | 0.128 | 0.764 | 0.214 | 0.772 | 0.227 | 0.780 | 0.232 | 2.429 | -C.246 | 2.435 | -C.157 | 2.444 | -C.157 | 2.452 | -C.170 | 2.452 | -C.170 |
| 0.794 | C.241 | 0.803 | 0.223 | 0.816 | 0.112 | 0.830 | 0.031 | 2.463 | -0.192 | 2.472 | -C.169 | 2.481 | -C.066 | 2.493 | -C.086 | 2.493 | -C.086 |
| 0.837 | -0.045 | 0.848 | -0.147 | 0.855 | -0.183 | 0.866 | -0.210 | 2.502 | C.207 | 2.511 | 0.252 | 2.517 | C.225 | 2.527 | 0.136 | 2.527 | 0.136 |
| 0.876 | -0.218 | 0.884 | -0.187 | 0.895 | -0.119 | 0.903 | -0.084 | 2.536 | C.073 | 2.546 | C.033 | 2.555 | -C.051 | 2.567 | -C.092 | 2.567 | -C.092 |
| 0.909 | -0.110 | 0.919 | -0.217 | 0.927 | -0.343 | 0.938 | -0.392 | 2.577 | 0.038 | 2.588 | C.060 | 2.594 | -C.131 | 2.630 | -C.090 | 2.630 | -C.090 |
| 0.945 | -0.360 | 0.956 | -0.302 | 0.966 | -0.235 | 0.982 | -0.006 | 2.608 | -C.207 | 2.619 | -0.185 | 2.630 | -C.131 | 2.659 | -C.167 | 2.659 | -C.167 |
| 0.953 | C.137 | 1.004 | 0.267 | 1.015 | 0.375 | 1.022 | 0.406 | 2.651 | -C.077 | 2.661 | -C.054 | 2.674 | -C.175 | 2.686 | -0.242 | 2.686 | -0.242 |
| 1.028 | C.370 | 1.042 | 0.169 | 1.055 | 0.008 | 1.067 | -0.041 | 2.693 | -0.273 | 2.706 | -C.313 | 2.718 | -C.273 | 2.738 | -0.152 | 2.738 | -0.152 |
| 1.079 | -C.094 | 1.092 | -0.125 | 1.105 | -0.161 | 1.123 | -0.134 | 2.741 | -C.017 | 2.753 | 0.068 | 2.764 | -C.171 | 2.774 | -C.256 | 2.774 | -C.256 |
| 1.140 | -0.161 | 1.149 | -0.138 | 1.158 | -0.107 | 1.166 | -0.124 | 2.782 | C.253 | 2.792 | C.173 | 2.804 | -C.113 | 2.816 | -C.079 | 2.816 | -C.079 |
| 1.178 | -0.182 | 1.184 | -0.218 | 1.201 | -0.205 | 1.218 | -0.236 | 2.820 | -C.155 | 2.829 | -C.248 | 2.835 | -C.141 | 2.849 | -C.020 | 2.849 | -C.020 |
| 1.225 | -0.204 | 1.234 | -0.159 | 1.244 | -0.132 | 1.252 | -0.172 | 2.856 | 0.101 | 2.866 | 0.159 | 2.875 | C.128 | 2.883 | C.074 | 2.883 | C.074 |
| 1.261 | -0.208 | 1.271 | -0.159 | 1.283 | -0.046 | 1.294 | 0.003 | 2.881 | 0.061 | 2.901 | 0.115 | 2.909 | C.249 | 2.915 | -0.285 | 2.915 | -0.285 |
| 1.306 | C.093 | 1.315 | 0.187 | 1.321 | 0.245 | 1.331 | 0.290 | 2.923 | C.330 | 2.931 | 0.250 | 2.942 | C.057 | 2.955 | -0.270 | 2.955 | -0.270 |
| 1.341 | 0.272 | 1.341 | C.192 | 1.363 | 0.094 | 1.371 | -0.067 | 2.961 | -0.395 | 2.970 | -C.458 | 2.979 | -C.422 | 2.990 | -C.269 | 2.990 | -C.269 |
| 1.379 | -0.116 | 1.394 | -0.134 | 1.412 | -0.124 | 1.424 | -0.012 | 3.000 | -C.144 | 3.016 | C.035 | 3.026 | C.143 | 3.039 | C.192 | 3.039 | C.192 |
| 1.433 | C.091 | 1.443 | 0.216 | 1.450 | 0.266 | 1.461 | 0.302 | 3.045 | C.170 | 3.062 | C.112 | 3.076 | C.049 | 3.090 | -C.013 | 3.090 | -C.013 |
| 1.469 | -0.253 | 1.478 | 0.123 | 1.485 | -0.029 | 1.496 | -0.154 | 3.101 | -C.058 | 3.113 | -C.152 | 3.123 | -C.094 | 3.133 | C.067 | 3.133 | C.067 |
| 1.508 | -0.207 | 1.525 | -0.180 | 1.540 | -0.161 | 1.551 | -0.152 | 3.143 | C.260 | 3.150 | C.365 | 3.155 | C.417 | 3.162 | 0.368 | 3.162 | 0.368 |
| 1.564 | -0.152 | 1.577 | -0.102 | 1.588 | -0.057 | 1.597 | -0.039 | 3.171 | C.198 | 3.182 | -C.075 | 3.185 | -C.165 | 3.202 | -C.218 | 3.202 | -C.218 |
| 1.606 | -0.070 | 1.621 | -0.155 | 1.636 | -0.222 | 1.627 | -0.275 | 3.218 | -C.160 | 3.229 | -0.167 | 3.244 | -0.214 | 3.252 | -0.169 | 3.252 | -0.169 |
| 1.633 | -0.311 | 1.639 | -0.284 | 1.646 | -0.217 | 1.660 | -0.069 | 3.265 | -C.670 | 3.272 | C.015 | 3.279 | C.064 | 3.289 | C.096 | 3.289 | C.096 |
| 1.670 | 0.035 | 1.678 | 0.165 | 1.687 | 0.245 | 1.696 | 0.290 | 3.296 | C.051 | 3.305 | C.020 | 3.310 | C.051 | 3.320 | C.103 | 3.320 | C.103 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 3.329 | 0.101 | 3.341 | 0.052 | 3.351 | -0.069 | 3.356 | -0.114 | 5.790 | -1.097 | 5.806 | -0.761 | 5.820 | -0.282 | 5.835 | C.081 |
| 3.364 | -0.140 | 3.375 | -0.100 | 3.388 | 0.061 | 3.400 | 0.182 | 5.845 | C.251 | 5.851 | C.278 | 5.859 | C.224 | 5.870 | C.093 |
| 3.407 | 0.283 | 3.417 | 0.317 | 3.430 | 0.308 | 3.445 | 0.268 | 5.876 | -0.259 | 5.885 | -0.303 | 5.892 | -0.267 | 5.910 | C.030 |
| 3.462 | 0.205 | 3.472 | -0.017 | 3.478 | -0.117 | 3.486 | -0.363 | 5.933 | C.315 | 5.947 | C.567 | 5.952 | C.513 | 5.962 | C.513 |
| 3.466 | -0.604 | 3.506 | -0.716 | 3.508 | -0.765 | 3.517 | -0.805 | 5.973 | C.361 | 5.985 | -0.062 | 6.002 | -0.435 | 6.011 | -0.493 |
| 3.525 | -0.778 | 3.539 | -0.653 | 3.551 | -0.361 | 3.562 | -0.057 | 6.017 | -0.434 | 6.033 | -0.064 | 6.049 | C.471 | 6.060 | C.632 |
| 3.573 | 0.318 | 3.588 | 0.571 | 3.595 | 0.616 | 3.602 | 0.566 | 6.070 | C.713 | 6.080 | C.709 | 6.086 | C.607 | 6.105 | -0.007 |
| 3.623 | C.110 | 3.639 | -0.314 | 3.651 | -0.538 | 3.659 | -0.641 | 6.125 | C.727 | 6.135 | -1.045 | 6.147 | -1.054 | 6.161 | -1.004 |
| 3.668 | -0.689 | 3.675 | -0.649 | 3.688 | -0.389 | 3.705 | 0.117 | 6.171 | -0.793 | 6.186 | -0.520 | 6.209 | -0.144 | 6.225 | -0.085 |
| 3.715 | 0.210 | 3.729 | 0.458 | 3.737 | 0.490 | 3.745 | 0.368 | 6.236 | -0.022 | 6.250 | C.611 | 6.273 | C.148 | 6.289 | C.149 |
| 3.757 | -0.284 | 3.775 | -0.154 | 3.784 | -0.315 | 3.793 | -0.445 | 6.259 | 0.207 | 6.304 | 0.270 | 6.314 | C.315 | 6.319 | C.279 |
| 3.759 | -0.328 | 3.811 | -0.171 | 3.821 | 0.045 | 3.829 | C.130 | 6.335 | 0.042 | 6.344 | -0.078 | 6.351 | -0.132 | 6.359 | -0.069 |
| 3.837 | 0.115 | 3.842 | -0.144 | 3.854 | -0.013 | 3.867 | -0.205 | 6.370 | 0.021 | 6.382 | C.015 | 6.356 | -0.037 | 6.407 | C.053 |
| 3.879 | -0.468 | 3.889 | -0.459 | 3.910 | -0.418 | 3.925 | -0.340 | 6.425 | C.304 | 6.428 | C.340 | 6.435 | C.376 | 6.440 | C.354 |
| 3.922 | -0.346 | 3.931 | -0.189 | 3.946 | 0.138 | 3.957 | 0.340 | 6.472 | C.066 | 6.472 | C.066 | 6.486 | -0.138 | 6.499 | -0.357 |
| 3.972 | C.565 | 3.981 | 0.649 | 3.990 | 0.690 | 3.995 | 0.645 | 6.507 | -0.410 | 6.516 | -0.353 | 6.526 | -0.311 | 6.538 | -0.257 |
| 4.014 | 0.180 | 4.031 | -0.155 | 4.039 | -0.231 | 4.059 | -0.333 | 6.542 | -0.217 | 6.550 | -0.015 | 6.555 | -0.037 | 6.560 | -0.104 |
| 4.066 | -0.314 | 4.081 | -0.499 | 4.091 | -0.539 | 4.097 | -0.512 | 6.567 | -0.118 | 6.574 | -0.062 | 6.590 | C.040 | 6.597 | C.103 |
| 4.114 | -0.144 | 4.136 | 0.236 | 4.145 | 0.389 | 4.155 | 0.425 | 6.607 | 0.139 | 6.614 | 0.050 | 6.627 | -0.111 | 6.632 | -0.214 |
| 4.184 | 0.380 | 4.184 | 0.067 | 4.202 | -0.371 | 4.213 | -0.568 | 6.639 | -0.268 | 6.647 | -0.265 | 6.658 | -0.012 | 6.670 | 0.449 |
| 4.224 | -0.612 | 4.233 | -0.567 | 4.246 | -0.312 | 4.263 | -0.012 | 6.683 | 0.843 | 6.694 | C.560 | 6.702 | C.924 | 6.714 | 0.671 |
| 4.279 | 0.222 | 4.282 | 0.302 | 4.290 | 0.338 | 4.296 | 0.315 | 6.722 | 0.835 | 6.730 | C.670 | 6.744 | C.218 | 6.760 | 0.185 |
| 4.311 | 0.215 | 4.322 | 0.235 | 4.331 | 0.222 | 4.339 | 0.289 | 6.770 | -0.283 | 6.776 | -0.335 | 6.786 | -0.364 | 6.797 | -0.399 |
| 4.386 | C.894 | 4.366 | 0.787 | 4.370 | 0.863 | 4.380 | 0.917 | 6.807 | -0.354 | 6.815 | -0.283 | 6.825 | -0.210 | 6.836 | C.340 |
| 4.395 | 0.738 | 4.414 | 0.076 | 4.414 | 0.076 | 4.432 | -0.712 | 6.846 | 0.514 | 6.852 | -0.559 | 6.857 | C.532 | 6.872 | C.309 |
| 4.437 | -0.891 | 4.447 | -0.962 | 4.455 | -0.913 | 4.471 | -0.711 | 6.883 | 0.067 | 6.889 | -0.183 | 6.908 | -0.264 | 6.916 | -0.295 |
| 4.491 | -0.286 | 4.506 | -0.106 | 4.517 | -0.052 | 4.529 | -0.025 | 6.928 | -0.246 | 6.938 | -0.167 | 6.944 | -0.205 | 6.952 | -0.219 |
| 4.553 | -0.284 | 4.558 | -0.284 | 4.553 | -0.356 | 4.562 | -0.382 | 6.960 | 0.169 | 6.969 | 0.001 | 6.975 | 0.131 | 6.979 | -0.171 |
| 4.570 | -0.342 | 4.580 | -0.127 | 4.586 | -0.032 | 4.592 | 0.053 | 6.987 | C.216 | 6.992 | C.169 | 7.002 | C.064 | 7.014 | -0.169 |
| 4.602 | 0.093 | 4.610 | 0.058 | 4.624 | -0.406 | 4.636 | -0.143 | 7.021 | -0.236 | 7.030 | -0.212 | 7.036 | -0.236 | 7.045 | -0.070 |
| 4.647 | -0.268 | 4.657 | -0.379 | 4.661 | -0.406 | 4.669 | -0.437 | 7.060 | C.047 | 7.072 | C.154 | 7.079 | C.235 | 7.087 | C.271 |
| 4.675 | -0.466 | 4.683 | -0.253 | 4.695 | -0.011 | 4.706 | 0.276 | 7.101 | 0.414 | 7.109 | 0.459 | 7.117 | C.428 | 7.133 | 0.208 |
| 4.722 | 0.706 | 4.733 | 1.069 | 4.740 | 1.221 | 4.749 | 1.280 | 7.142 | C.083 | 7.151 | C.003 | 7.159 | -0.059 | 7.163 | -0.032 |
| 4.754 | 1.231 | 4.768 | 0.627 | 4.784 | -0.250 | 4.799 | -0.773 | 7.169 | 0.053 | 7.180 | C.116 | 7.185 | 0.062 | 7.199 | -0.206 |
| 4.807 | -0.845 | 4.812 | -0.813 | 4.823 | -0.562 | 4.841 | -0.042 | 7.212 | -0.519 | 7.220 | -0.617 | 7.226 | -0.640 | 7.236 | -0.559 |
| 4.850 | 0.032 | 4.859 | 0.088 | 4.866 | 0.062 | 4.883 | -0.233 | 7.251 | -0.545 | 7.263 | -0.437 | 7.278 | -0.450 | 7.290 | -0.378 |
| 4.890 | -0.318 | 4.903 | -0.345 | 4.917 | -0.411 | 4.924 | -0.429 | 7.302 | -0.306 | 7.314 | -0.185 | 7.324 | -0.024 | 7.331 | C.106 |
| 4.931 | -0.397 | 4.941 | -0.191 | 4.951 | 0.113 | 4.962 | 0.324 | 7.340 | C.339 | 7.345 | C.438 | 7.355 | C.505 | 7.361 | 0.514 |
| 4.968 | 0.318 | 4.982 | 0.405 | 4.989 | 0.499 | 4.999 | 0.625 | 7.371 | C.510 | 7.382 | C.528 | 7.391 | C.551 | 7.395 | C.457 |
| 5.007 | C.670 | 5.020 | 0.621 | 5.028 | 0.473 | 5.046 | 0.111 | 7.412 | 0.341 | 7.415 | C.305 | 7.420 | C.274 | 7.428 | 0.319 |
| 5.061 | -0.108 | 5.071 | -0.229 | 5.086 | -0.296 | 5.105 | -0.345 | 7.441 | 0.405 | 7.451 | C.427 | 7.461 | C.383 | 7.473 | C.280 |
| 5.119 | -0.331 | 5.138 | -0.313 | 5.154 | -0.295 | 5.164 | -0.308 | 7.488 | C.119 | 7.495 | -0.140 | 7.505 | -0.381 | 7.523 | -0.591 |
| 5.177 | -0.384 | 5.186 | -0.634 | 5.194 | -0.589 | 5.206 | -0.356 | 7.526 | -0.725 | 7.544 | -0.720 | 7.551 | -0.720 | 7.560 | -0.572 |
| 5.217 | -0.320 | 5.233 | -0.266 | 5.248 | -0.118 | 5.259 | 0.101 | 7.571 | -0.250 | 7.582 | -0.008 | 7.590 | 0.091 | 7.598 | 0.158 |
| 5.268 | 0.343 | 5.276 | 0.531 | 5.287 | 0.693 | 5.293 | 0.742 | 7.617 | C.235 | 7.634 | C.212 | 7.641 | 0.114 | 7.653 | -0.006 |
| 5.301 | 0.702 | 5.313 | 0.541 | 5.317 | 0.452 | 5.325 | 0.412 | 7.657 | -0.051 | 7.663 | -0.078 | 7.671 | -0.046 | 7.680 | -0.017 |
| 5.332 | 0.443 | 5.347 | 0.631 | 5.358 | 0.650 | 5.366 | 0.618 | 7.686 | C.070 | 7.696 | C.106 | 7.707 | 0.120 | 7.718 | 0.210 |
| 5.378 | 0.395 | 5.396 | -0.316 | 5.411 | -0.831 | 5.418 | -0.933 | 7.726 | C.304 | 7.736 | C.389 | 7.745 | C.439 | 7.753 | 0.336 |
| 5.425 | -0.587 | 5.431 | -0.946 | 5.443 | -0.709 | 5.457 | -0.310 | 7.762 | 0.556 | 7.772 | 0.556 | 7.783 | C.140 | 7.797 | -0.298 |
| 5.467 | -0.099 | 5.475 | -0.059 | 5.480 | -0.090 | 5.487 | -0.130 | 7.810 | -0.643 | 7.816 | -0.786 | 7.824 | -0.844 | 7.829 | -0.790 |
| 5.495 | -0.143 | 5.504 | -0.116 | 5.511 | -0.080 | 5.518 | -0.133 | 7.847 | -0.350 | 7.861 | 0.012 | 7.872 | 0.169 | 7.884 | 0.398 |
| 5.529 | -0.415 | 5.537 | -0.714 | 5.549 | -1.032 | 5.554 | -1.063 | 7.896 | 0.591 | 7.901 | C.649 | 7.905 | C.551 | 7.927 | 0.377 |
| 5.558 | -1.018 | 5.560 | -0.502 | 5.609 | 0.470 | 5.619 | 0.564 | 7.934 | C.270 | 7.942 | 0.255 | 7.955 | C.261 | 7.962 | 0.275 |
| 5.636 | 0.766 | 5.652 | 0.981 | 5.658 | 1.053 | 5.664 | 1.102 | 7.970 | C.230 | 7.982 | C.137 | 7.992 | -0.015 | 8.001 | -0.185 |
| 5.671 | 1.071 | 5.687 | 0.955 | 5.707 | 0.669 | 5.720 | 0.477 | 8.005 | -0.247 | 8.011 | -0.274 | 8.019 | -0.238 | 8.029 | -0.095 |
| 5.746 | -0.288 | 5.760 | -0.910 | 5.775 | -1.093 | 5.783 | -1.142 | 8.039 | 0.076 | 8.051 | C.327 | 8.062 | C.537 | 8.068 | 0.569 |

| | | | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8.075 | 0.529 | 8.084 | 0.220 | 8.097 | -0.334 | 8.110 | -0.728 | 10.288 | 0.051 | 10.298 | C-CC2 | 10.306 | -C-C78 | 10.314 | -C-167 |
| 8.117 | -0.786 | 8.124 | -0.759 | 8.136 | -0.553 | 8.149 | -0.235 | 10.321 | -0.274 | 10.326 | -C-288 | 10.332 | -C-368 | 10.338 | -0.260 |
| 8.164 | 0.110 | 8.174 | 0.186 | 8.191 | 0.343 | 8.200 | 0.446 | 10.344 | -0.215 | 10.356 | C-058 | 10.367 | C-394 | 10.376 | C-439 |
| 8.213 | 0.559 | 8.221 | 0.653 | 8.229 | 0.595 | 8.238 | 0.505 | 10.384 | C-395 | 10.401 | -C-088 | 10.415 | -C-736 | 10.432 | -1.407 |
| 8.250 | 0.452 | 8.263 | 0.376 | 8.275 | 0.313 | 8.287 | C-260 | 10.437 | -1.523 | 10.446 | -1.604 | 10.454 | -1.527 | 10.469 | -1.052 |
| 8.301 | 0.238 | 8.313 | 0.112 | 8.330 | -0.104 | 8.339 | 0.046 | 10.454 | -0.205 | 10.466 | C-438 | 10.474 | C-474 | 10.488 | C-271 |
| 8.343 | -0.021 | 8.357 | -0.048 | 8.369 | -0.088 | 8.384 | -0.047 | 10.494 | C-366 | 10.510 | C-438 | 10.520 | C-474 | 10.538 | C-284 |
| 8.394 | -0.083 | 8.404 | -0.190 | 8.414 | -0.382 | 8.421 | -0.517 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.428 | -0.633 | 8.433 | -0.727 | 8.441 | -0.767 | 8.447 | -0.726 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.462 | -0.552 | 8.479 | -0.309 | 8.492 | -0.085 | 8.501 | 0.013 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.507 | 0.116 | 8.515 | 0.287 | 8.522 | 0.327 | 8.528 | 0.282 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.537 | 0.180 | 8.547 | 0.140 | 8.555 | 0.055 | 8.565 | -0.008 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.576 | -0.021 | 8.587 | -0.070 | 8.601 | -0.105 | 8.611 | -0.185 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.619 | -0.207 | 8.627 | -0.162 | 8.639 | -0.090 | 8.651 | -0.063 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.660 | -0.054 | 8.671 | -0.093 | 8.685 | -0.160 | 8.693 | -0.200 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.702 | -0.240 | 8.709 | -0.199 | 8.715 | -0.074 | 8.718 | -0.002 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.724 | 0.038 | 8.731 | -0.029 | 8.744 | -0.274 | 8.751 | -0.305 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.765 | -0.269 | 8.781 | -0.134 | 8.795 | 0.063 | 8.806 | 0.234 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.818 | 0.409 | 8.830 | 0.575 | 8.841 | 0.683 | 8.850 | 0.737 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.858 | 0.728 | 8.869 | 0.603 | 8.885 | 0.111 | 8.901 | -0.295 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.917 | -0.501 | 8.931 | -0.653 | 8.936 | -0.782 | 8.942 | -0.934 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.951 | -0.710 | 8.956 | -0.629 | 8.964 | -0.781 | 8.976 | -0.521 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 8.982 | -0.225 | 8.992 | -0.149 | 8.997 | -0.395 | 9.005 | -0.077 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.013 | 0.416 | 9.016 | 0.259 | 9.021 | 0.201 | 9.026 | -0.023 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.047 | 0.367 | 9.052 | 0.050 | 9.065 | 0.005 | 9.069 | 0.157 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.081 | 0.315 | 9.087 | 0.426 | 9.095 | 0.543 | 9.102 | 0.637 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.107 | 0.677 | 9.117 | 0.722 | 9.124 | 0.682 | 9.140 | 0.566 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.159 | 0.311 | 9.172 | 0.204 | 9.186 | 0.017 | 9.197 | -0.104 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.207 | -0.310 | 9.218 | -0.417 | 9.227 | -0.457 | 9.235 | -0.435 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.245 | -0.331 | 9.251 | -0.430 | 9.257 | -0.018 | 9.265 | -0.425 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.278 | -0.161 | 9.285 | -0.483 | 9.297 | -0.702 | 9.303 | -0.778 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.309 | -0.800 | 9.313 | -0.729 | 9.322 | -0.518 | 9.332 | -0.500 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.340 | -0.321 | 9.359 | 0.346 | 9.373 | 0.642 | 9.386 | 0.906 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.391 | 0.578 | 9.399 | 1.018 | 9.408 | 0.929 | 9.423 | 0.459 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.439 | -0.185 | 9.449 | -0.292 | 9.456 | -0.399 | 9.463 | -0.363 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.472 | -0.233 | 9.485 | -0.143 | 9.498 | -0.075 | 9.508 | -0.039 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.519 | -0.007 | 9.529 | 0.069 | 9.539 | -0.297 | 9.554 | C-142 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.559 | -0.373 | 9.567 | -0.323 | 9.569 | -0.605 | 9.585 | -0.368 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.594 | -0.564 | 9.616 | -0.465 | 9.620 | -0.630 | 9.634 | -0.665 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.644 | -0.526 | 9.654 | -0.338 | 9.665 | -0.140 | 9.682 | 0.138 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.658 | 0.501 | 9.702 | 0.604 | 9.717 | 0.632 | 9.732 | 0.668 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.738 | 0.749 | 9.743 | 0.776 | 9.749 | 0.758 | 9.760 | 0.656 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.770 | 0.621 | 9.778 | 0.496 | 9.796 | 0.089 | 9.807 | 0.022 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.819 | -0.223 | 9.827 | -0.286 | 9.847 | -0.205 | 9.855 | -0.057 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.860 | -0.025 | 9.872 | 0.302 | 9.880 | 0.307 | 9.890 | 0.255 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.898 | 0.303 | 9.910 | 0.137 | 9.921 | -0.202 | 9.931 | -0.341 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.943 | -0.486 | 9.950 | -0.528 | 9.958 | -0.456 | 9.966 | -0.210 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 9.979 | 0.081 | 9.989 | 0.391 | 9.990 | 0.355 | 9.998 | 0.503 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| *10.001 | 0.525 | 10.006 | 0.543 | 10.011 | 0.575 | 10.017 | 0.526 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 10.023 | 0.437 | 10.037 | 0.098 | 10.043 | -0.135 | 10.051 | -0.332 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 10.059 | -0.492 | 10.067 | -0.613 | 10.075 | -0.693 | 10.083 | -0.742 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 10.090 | -0.702 | 10.098 | -0.612 | 10.106 | -0.567 | 10.110 | -0.602 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 10.118 | -0.638 | 10.132 | -0.628 | 10.145 | -0.610 | 10.151 | -0.556 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 10.163 | -0.547 | 10.169 | -0.569 | 10.179 | -0.520 | 10.201 | 0.072 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 10.213 | 0.126 | 10.225 | 0.139 | 10.230 | 0.068 | 10.234 | 0.095 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |
| 10.244 | 0.046 | 10.258 | 0.154 | 10.267 | 0.127 | 10.274 | C-069 | 10.518 | C-399 | 10.536 | C-337 | 10.544 | C-297 | 10.568 | C-284 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 12.866 | 0.020 | 12.820 | 0.021 | 12.831 | 0.003 | 12.845 | 0.052 | 15.055 | -0.369 | 15.067 | -0.243 | 15.073 | -0.359 | 15.081 | -0.251 |
| 12.859 | 0.115 | 12.868 | 0.227 | 12.878 | 0.326 | 12.885 | 0.276 | 15.055 | -0.175 | 15.104 | -0.246 | 15.117 | -0.268 | 15.131 | -0.177 |
| 12.858 | 0.460 | 12.908 | 0.393 | 12.926 | 0.326 | 12.947 | 0.291 | 15.141 | -0.280 | 15.153 | -0.183 | 15.156 | -0.257 | 15.163 | -0.135 |
| 12.961 | 0.201 | 12.975 | 0.134 | 12.985 | 0.027 | 12.990 | -0.210 | 15.179 | -0.032 | 15.195 | 0.054 | 15.210 | 0.276 | 15.226 | 0.199 |
| 13.000 | -0.443 | 13.012 | -0.443 | 13.021 | -0.470 | 13.025 | -0.550 | 15.238 | 0.244 | 15.247 | 0.482 | 15.257 | 0.276 | 15.269 | 0.093 |
| 13.033 | -0.492 | 13.046 | -0.492 | 13.056 | -0.478 | 13.063 | -0.259 | 15.282 | 0.138 | 15.298 | 0.134 | 15.304 | 0.045 | 15.312 | -0.040 |
| 13.069 | -0.228 | 13.073 | -0.183 | 13.079 | -0.013 | 13.088 | 0.126 | 15.326 | 0.037 | 15.336 | 0.003 | 15.347 | 0.315 | 15.358 | 0.262 |
| 13.056 | 0.046 | 13.109 | 0.019 | 13.121 | 0.108 | 13.125 | -0.038 | 15.370 | 0.334 | 15.386 | 0.267 | 15.407 | 0.120 | 15.424 | -0.045 |
| 13.130 | -0.098 | 13.136 | 0.077 | 13.141 | 0.202 | 13.150 | 0.274 | 15.434 | -0.232 | 15.447 | -0.167 | 15.458 | -0.205 | 15.478 | -0.070 |
| 13.157 | 0.283 | 13.163 | 0.122 | 13.175 | 0.082 | 13.185 | 0.226 | 15.450 | 0.068 | 15.502 | 0.119 | 15.517 | 0.070 | 15.530 | 0.025 |
| 13.194 | 0.266 | 13.200 | 0.199 | 13.206 | 0.400 | 13.214 | 0.367 | 15.543 | 0.008 | 15.556 | -0.073 | 15.579 | -0.036 | 15.597 | 0.175 |
| 13.219 | 0.087 | 13.226 | 0.043 | 13.237 | 0.034 | 13.246 | -0.020 | 15.615 | 0.332 | 15.621 | 0.366 | 15.634 | 0.427 | 15.644 | 0.391 |
| 13.258 | 0.034 | 13.267 | -0.158 | 13.274 | -0.332 | 13.287 | -0.390 | 15.660 | 0.293 | 15.677 | 0.272 | 15.695 | 0.228 | 15.711 | 0.251 |
| 13.297 | -0.359 | 13.303 | -0.292 | 13.310 | -0.394 | 13.323 | -0.443 | 15.730 | 0.220 | 15.753 | 0.105 | 15.772 | -0.051 | 15.791 | -0.189 |
| 13.335 | -0.587 | 13.350 | -0.640 | 13.361 | -0.859 | 13.373 | -0.895 | 15.809 | -0.260 | 15.827 | -0.327 | 15.843 | -0.357 | 15.852 | -0.388 |
| 13.379 | -0.868 | 13.395 | -0.715 | 13.411 | -0.719 | 13.421 | -0.737 | 15.869 | -0.312 | 15.890 | -0.176 | 15.906 | -0.073 | 15.924 | -0.054 |
| 13.439 | -0.562 | 13.453 | -0.383 | 13.458 | -0.297 | 13.466 | -0.235 | 15.946 | 0.014 | 15.966 | -0.043 | 15.977 | -0.007 | 15.991 | -0.029 |
| 13.472 | -0.181 | 13.486 | 0.079 | 13.492 | 0.240 | 13.498 | 0.303 | 16.003 | -0.006 | 16.017 | -0.023 | 16.040 | 0.004 | 16.052 | 0.023 |
| 13.509 | 0.505 | 13.517 | 0.420 | 13.525 | 0.447 | 13.532 | 0.317 | 16.068 | 0.086 | 16.083 | 0.136 | 16.097 | 0.123 | 16.110 | 0.177 |
| 13.544 | 0.224 | 13.553 | 0.143 | 13.559 | 0.045 | 13.571 | 0.001 | 16.123 | 0.269 | 16.138 | 0.250 | 16.152 | 0.201 | 16.170 | 0.116 |
| 13.565 | 0.005 | 13.592 | 0.006 | 13.603 | 0.031 | 13.612 | 0.020 | 16.184 | 0.027 | 16.197 | 0.009 | 16.215 | -0.012 | 16.237 | -0.057 |
| 13.620 | 0.091 | 13.630 | 0.114 | 13.634 | 0.105 | 13.642 | 0.110 | 16.247 | 0.034 | 16.258 | -0.056 | 16.269 | -0.101 | 16.281 | -0.064 |
| 13.681 | -0.050 | 13.656 | -0.010 | 13.666 | -0.017 | 13.671 | -0.033 | 16.251 | -0.055 | 16.305 | -0.066 | 16.320 | -0.086 | 16.338 | -0.036 |
| 13.730 | -0.340 | 13.739 | -0.371 | 13.744 | -0.344 | 13.756 | -0.255 | 16.353 | 0.005 | 16.364 | 0.023 | 16.379 | -0.029 | 16.393 | 0.100 |
| 13.760 | -0.200 | 13.766 | -0.160 | 13.772 | -0.182 | 13.781 | -0.182 | 16.402 | 0.037 | 16.412 | 0.127 | 16.427 | -0.029 | 16.444 | -0.060 |
| 13.754 | -0.105 | 13.807 | -0.118 | 13.820 | -0.095 | 13.834 | -0.059 | 16.461 | -0.123 | 16.472 | -0.181 | 16.488 | -0.131 | 16.500 | -0.148 |
| 13.848 | -0.063 | 13.857 | -0.036 | 13.867 | -0.130 | 13.877 | -0.189 | 16.511 | -0.023 | 16.526 | -0.040 | 16.539 | -0.071 | 16.547 | -0.161 |
| 13.885 | 0.243 | 13.892 | 0.265 | 13.899 | 0.239 | 13.906 | 0.149 | 16.563 | 0.010 | 16.575 | 0.010 | 16.595 | 0.006 | 16.609 | 0.006 |
| 13.918 | 0.069 | 13.928 | 0.002 | 13.941 | -0.118 | 13.947 | -0.069 | 16.621 | 0.034 | 16.627 | 0.114 | 16.633 | 0.074 | 16.639 | 0.128 |
| 13.957 | -0.028 | 13.969 | -0.041 | 13.979 | -0.077 | 13.988 | -0.157 | 16.652 | 0.048 | 16.663 | 0.214 | 16.678 | -0.098 | 16.692 | -0.210 |
| 14.056 | -0.206 | 14.013 | -0.219 | 14.030 | -0.295 | 14.043 | -0.219 | 16.745 | -0.124 | 16.751 | -0.070 | 16.764 | -0.056 | 16.775 | -0.078 |
| 14.102 | 0.410 | 14.108 | 0.463 | 14.121 | 0.504 | 14.130 | 0.477 | 16.753 | -0.082 | 16.818 | -0.139 | 16.834 | -0.157 | 16.845 | -0.215 |
| 14.145 | 0.384 | 14.159 | 0.254 | 14.174 | 0.147 | 14.185 | -0.013 | 16.855 | -0.152 | 16.867 | -0.120 | 16.878 | -0.032 | 16.884 | -0.073 |
| 14.155 | -0.210 | 14.207 | -0.362 | 14.217 | -0.455 | 14.226 | -0.522 | 16.892 | -0.100 | 16.901 | 0.172 | 16.910 | 0.110 | 16.930 | -0.114 |
| 14.237 | -0.486 | 14.252 | -0.512 | 14.268 | -0.405 | 14.275 | -0.377 | 16.938 | -0.212 | 16.945 | -0.261 | 16.965 | -0.202 | 16.985 | -0.112 |
| 14.297 | -0.113 | 14.307 | -0.063 | 14.323 | -0.080 | 14.334 | -0.030 | 16.999 | -0.017 | 17.023 | 0.118 | 17.038 | 0.167 | 17.047 | 0.127 |
| 14.345 | 0.006 | 14.351 | -0.043 | 14.355 | -0.114 | 14.360 | -0.128 | 17.056 | -0.029 | 17.074 | -0.176 | 17.081 | -0.252 | 17.100 | -0.301 |
| 14.363 | -0.092 | 14.372 | 0.043 | 14.378 | 0.067 | 14.387 | -0.149 | 17.116 | -0.251 | 17.132 | -0.125 | 17.152 | -0.178 | 17.158 | -0.155 |
| 14.401 | -0.086 | 14.409 | -0.170 | 14.415 | -0.193 | 14.420 | -0.148 | 17.170 | -0.155 | 17.184 | -0.213 | 17.194 | -0.235 | 17.212 | -0.144 |
| 14.431 | 0.005 | 14.449 | 0.247 | 14.460 | 0.350 | 14.468 | 0.382 | 17.224 | -0.086 | 17.236 | 0.049 | 17.248 | 0.139 | 17.263 | 0.185 |
| 14.480 | 0.409 | 14.484 | 0.373 | 14.494 | 0.364 | 14.503 | 0.400 | 17.284 | 0.150 | 17.311 | 0.066 | 17.336 | 0.018 | 17.350 | -0.004 |
| 14.514 | 0.436 | 14.526 | 0.459 | 14.537 | 0.473 | 14.542 | 0.397 | 17.360 | -0.048 | 17.376 | -0.047 | 17.391 | -0.073 | 17.408 | -0.032 |
| 14.574 | 0.259 | 14.591 | 0.111 | 14.604 | -0.027 | 14.612 | -0.130 | 17.417 | 0.008 | 17.430 | 0.027 | 17.447 | -0.008 | 17.465 | -0.083 |
| 14.628 | -0.187 | 14.638 | -0.214 | 14.649 | -0.182 | 14.660 | -0.017 | 17.485 | -0.051 | 17.506 | -0.032 | 17.534 | -0.044 | 17.551 | -0.006 |
| 14.671 | 0.025 | 14.681 | 0.087 | 14.687 | 0.056 | 14.704 | 0.052 | 17.565 | -0.047 | 17.586 | -0.118 | 17.610 | -0.188 | 17.629 | -0.232 |
| 14.707 | -0.038 | 14.712 | -0.082 | 14.722 | -0.118 | 14.736 | -0.073 | 17.645 | -0.303 | 17.659 | -0.213 | 17.675 | -0.132 | 17.686 | -0.033 |
| 14.746 | 0.072 | 14.754 | 0.004 | 14.766 | 0.179 | 14.775 | 0.193 | 17.697 | -0.012 | 17.713 | -0.046 | 17.729 | -0.130 | 17.741 | -0.197 |
| 14.787 | 0.265 | 14.799 | 0.135 | 14.810 | 0.221 | 14.824 | 0.060 | 17.757 | -0.214 | 17.772 | -0.263 | 17.786 | -0.209 | 17.802 | -0.101 |
| 14.836 | 0.132 | 14.841 | -0.047 | 14.853 | 0.075 | 14.859 | -0.015 | 17.814 | 0.020 | 17.828 | 0.128 | 17.848 | 0.182 | 17.861 | 0.120 |
| 14.864 | 0.044 | 14.870 | -0.131 | 14.877 | -0.010 | 14.885 | -0.072 | 17.877 | -0.019 | 17.895 | -0.161 | 17.915 | -0.241 | 17.936 | -0.299 |
| 14.893 | 0.018 | 14.906 | 0.063 | 14.917 | 0.108 | 14.928 | 0.140 | 17.944 | -0.259 | 17.968 | -0.151 | 17.975 | -0.173 | 17.991 | -0.051 |
| 14.941 | 0.154 | 14.952 | 0.132 | 14.961 | 0.025 | 14.967 | -0.091 | 18.003 | 0.034 | 18.009 | -0.069 | 18.019 | -0.015 | 18.030 | -0.068 |
| 14.985 | -0.140 | 14.993 | -0.211 | 15.004 | -0.376 | 15.013 | -0.376 | 18.040 | 0.017 | 18.055 | -0.059 | 18.070 | 0.027 | 18.082 | -0.004 |
| 15.019 | -0.250 | 15.025 | -0.254 | 15.039 | -0.410 | 15.046 | -0.325 | 18.055 | 0.162 | 18.100 | 0.211 | 18.114 | 0.269 | 18.129 | 0.212 |
| | | | | | | | | 18.139 | 0.150 | 18.148 | 0.136 | 18.160 | 0.204 | 18.179 | 0.012 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 18.200 | C.129 | 18.212 | 0.098 | 18.220 | 0.018 | 18.234 | 0.117 | 21.532 | -C.051 | 21.544 | -C.166 | 21.562 | -C.174 | 21.578 | -C.164 |
| 18.245 | 0.015 | 18.262 | 0.029 | 18.273 | -0.033 | 18.290 | 0.034 | 21.552 | -0.051 | 21.605 | -0.104 | 21.621 | -C.036 | 21.637 | -0.080 |
| 18.308 | 0.098 | 18.312 | 0.170 | 18.317 | 0.031 | 18.329 | 0.255 | 21.661 | C.010 | 21.671 | -C.011 | 21.683 | C.012 | 21.706 | -C.041 |
| 18.345 | 0.193 | 18.362 | 0.266 | 18.372 | 0.226 | 18.380 | 0.266 | 21.723 | -C.004 | 21.737 | -0.060 | 21.754 | -C.079 | 21.770 | -C.051 |
| 18.391 | 0.218 | 18.405 | 0.142 | 18.415 | 0.116 | 18.431 | 0.175 | 21.789 | C.016 | 21.801 | -0.066 | 21.819 | C.080 | 21.840 | -C.144 |
| 18.444 | 0.144 | 18.460 | 0.234 | 18.473 | 0.279 | 18.491 | 0.302 | 21.853 | C.149 | 21.870 | C.114 | 21.896 | C.025 | 21.911 | -C.024 |
| 18.505 | 0.245 | 18.523 | 0.215 | 18.538 | 0.045 | 18.552 | -0.022 | 21.924 | -C.095 | 21.946 | -C.165 | 21.967 | C.129 | 21.983 | -C.057 |
| 18.568 | -0.052 | 18.585 | 0.011 | 18.599 | 0.016 | 18.609 | 0.061 | 22.005 | -C.056 | 22.034 | -C.028 | 22.059 | -C.026 | 22.082 | -C.021 |
| 18.615 | -0.001 | 18.627 | 0.129 | 18.638 | 0.058 | 18.644 | -0.045 | 22.101 | -C.016 | 22.116 | C.043 | 22.130 | -C.005 | 22.149 | C.045 |
| 18.652 | -0.049 | 18.663 | 0.019 | 18.679 | -0.168 | 18.690 | 0.034 | 22.170 | -C.017 | 22.180 | C.010 | 22.195 | -C.043 | 22.216 | C.021 |
| 18.700 | -0.123 | 18.708 | -0.172 | 18.719 | -0.569 | 18.730 | -0.001 | 22.234 | 0.004 | 22.246 | -0.022 | 22.254 | -0.053 | 22.270 | -C.093 |
| 18.745 | 0.075 | 18.764 | 0.147 | 18.786 | 0.166 | 18.799 | 0.229 | 22.280 | -C.150 | 22.294 | -C.150 | 22.308 | -C.221 | 22.324 | -C.109 |
| 18.811 | 0.274 | 18.825 | 0.292 | 18.837 | 0.234 | 18.849 | 0.105 | 22.343 | -0.138 | 22.361 | -0.124 | 22.377 | -C.074 | 22.396 | -C.039 |
| 18.868 | 0.002 | 18.881 | -0.064 | 18.899 | -0.118 | 18.913 | -0.113 | 22.411 | C.098 | 22.427 | 0.183 | 22.445 | 0.242 | 22.460 | -C.279 |
| 18.931 | -C.108 | 18.947 | -0.215 | 18.968 | -0.317 | 18.983 | -0.406 | 22.476 | C.129 | 22.497 | 0.249 | 22.522 | C.192 | 22.538 | -C.126 |
| 18.956 | -0.410 | 19.012 | -0.401 | 19.025 | -0.280 | 19.043 | -0.127 | 22.555 | C.113 | 22.576 | 0.011 | 22.593 | -C.068 | 22.609 | -C.135 |
| 19.060 | -0.005 | 19.079 | 0.089 | 19.101 | 0.121 | 19.123 | 0.086 | 22.626 | -0.206 | 22.641 | -C.156 | 22.660 | -C.065 | 22.678 | C.003 |
| 19.139 | 0.024 | 19.158 | -0.007 | 19.172 | -0.056 | 19.200 | -0.068 | 22.700 | 0.035 | 22.717 | 0.066 | 22.738 | C.139 | 22.750 | C.090 |
| 19.216 | -0.027 | 19.237 | -0.008 | 19.261 | -0.006 | 19.281 | -0.055 | 22.764 | C.140 | 22.777 | C.172 | 22.789 | C.147 | 22.800 | C.117 |
| 19.258 | -0.130 | 19.312 | -0.192 | 19.336 | -0.244 | 19.356 | -0.181 | 22.811 | C.095 | 22.819 | C.065 | 22.827 | C.056 | 22.834 | 0.043 |
| 19.374 | -C.077 | 19.391 | -0.018 | 19.405 | 0.082 | 19.420 | 0.185 | 22.838 | C.007 | 22.847 | 0.002 | 22.861 | C.012 | 22.882 | C.057 |
| 19.436 | 0.258 | 19.446 | 0.241 | 19.457 | 0.254 | 19.474 | 0.215 | 22.897 | 0.048 | 22.913 | 0.044 | 22.936 | 0.022 | 22.956 | -C.005 |
| 19.484 | C.180 | 19.497 | 0.109 | 19.539 | 0.071 | 19.554 | 0.121 | 22.984 | -0.036 | 22.975 | -0.076 | 22.987 | -C.085 | 23.010 | -C.085 |
| 19.583 | 0.140 | 19.597 | 0.101 | 19.620 | -0.019 | 19.631 | -0.064 | 23.033 | -0.049 | 23.057 | -C.040 | 23.078 | -C.031 | 23.091 | -C.013 |
| 19.640 | -0.059 | 19.659 | -0.014 | 19.669 | -0.036 | 19.677 | 0.009 | 23.116 | 0.042 | 23.140 | 0.061 | 23.165 | 0.088 | 23.182 | C.133 |
| 19.685 | -0.057 | 19.711 | 0.033 | 19.724 | 0.029 | 19.739 | 0.061 | 23.202 | -0.116 | 23.235 | -0.089 | 23.235 | -C.000 | 23.246 | -C.040 |
| 19.749 | 0.034 | 19.759 | 0.030 | 19.773 | -0.046 | 19.792 | -0.148 | 23.256 | -0.098 | 23.274 | -0.139 | 23.299 | -C.147 | 23.324 | -C.129 |
| 19.807 | -0.134 | 19.824 | -0.133 | 19.842 | -0.043 | 19.855 | -0.070 | 23.348 | -C.095 | 23.374 | -C.066 | 23.384 | -C.084 | 23.357 | C.011 |
| 19.873 | 0.060 | 19.887 | -0.006 | 19.901 | -0.019 | 19.918 | 0.013 | 23.415 | 0.034 | 23.436 | 0.053 | 23.449 | 0.062 | 23.465 | -C.018 |
| 19.934 | 0.044 | 19.946 | 0.063 | 19.955 | 0.032 | 19.965 | 0.050 | 23.482 | -0.094 | 23.501 | -0.111 | 23.513 | -C.115 | 23.538 | -C.106 |
| 19.981 | -0.012 | 19.993 | 0.015 | 20.009 | 0.002 | 20.025 | 0.048 | 23.547 | -0.124 | 23.570 | -0.172 | 23.600 | -C.176 | 23.617 | -C.131 |
| 20.039 | 0.057 | 20.049 | 0.080 | 20.061 | 0.049 | 20.078 | -0.026 | 23.643 | -C.059 | 23.664 | -0.054 | 23.676 | -C.067 | 23.695 | -C.058 |
| 20.092 | -0.079 | 20.104 | -0.034 | 20.112 | -0.083 | 20.127 | -0.208 | 23.711 | -C.129 | 23.731 | -0.043 | 23.738 | C.002 | 23.748 | C.056 |
| 20.136 | -0.203 | 20.154 | -0.265 | 20.172 | -0.291 | 20.194 | -C.218 | 23.767 | C.079 | 23.780 | 0.043 | 23.790 | C.079 | 23.757 | C.037 |
| 20.206 | -0.101 | 20.216 | -0.056 | 20.227 | -0.056 | 20.248 | 0.093 | 23.803 | -C.054 | 23.819 | -0.134 | 23.835 | -0.152 | 23.852 | -C.164 |
| 20.259 | C.124 | 20.272 | 0.098 | 20.288 | 0.076 | 20.297 | 0.054 | 23.869 | -C.168 | 23.895 | -0.114 | 23.905 | -C.068 | 23.922 | -C.095 |
| 20.309 | 0.090 | 20.324 | 0.069 | 20.341 | 0.078 | 20.358 | 0.119 | 23.944 | -0.104 | 23.960 | -0.086 | 23.967 | -0.059 | 23.987 | C.013 |
| 20.375 | 0.084 | 20.399 | -0.028 | 20.412 | -0.095 | 20.438 | -0.116 | 23.937 | 0.058 | 24.012 | 0.090 | 24.034 | C.126 | 24.049 | C.148 |
| 20.461 | -C.170 | 20.478 | -0.174 | 20.492 | -0.182 | 20.507 | -0.240 | 24.076 | C.184 | 24.108 | C.162 | 24.119 | C.126 | 24.133 | 0.091 |
| 20.524 | -0.280 | 20.536 | -0.302 | 20.549 | -0.243 | 20.562 | -0.176 | 24.147 | 0.051 | 24.160 | 0.011 | 24.175 | -C.033 | 24.190 | -C.028 |
| 20.579 | -0.128 | 20.592 | -0.050 | 20.605 | 0.004 | 20.619 | -0.044 | 24.209 | -0.009 | 24.227 | 0.009 | 24.261 | C.020 | 24.275 | -C.002 |
| 20.640 | -C.026 | 20.656 | 0.010 | 20.674 | 0.042 | 20.683 | 0.114 | 24.303 | -0.032 | 24.326 | -C.066 | 24.343 | -C.061 | 24.374 | -C.041 |
| 20.693 | 0.159 | 20.709 | 0.218 | 20.725 | 0.259 | 20.739 | 0.192 | 24.356 | -C.031 | 24.409 | -0.062 | 24.427 | -C.078 | 24.450 | -C.082 |
| 20.757 | 0.103 | 20.772 | 0.009 | 20.785 | -0.058 | 20.797 | -0.084 | 24.474 | -C.049 | 24.466 | -0.057 | 24.505 | -C.070 | 24.521 | -C.092 |
| 20.811 | -0.052 | 20.822 | -0.029 | 20.830 | -0.087 | 20.843 | -0.118 | 24.540 | -C.084 | 24.555 | -0.075 | 24.571 | -C.075 | 24.581 | -C.089 |
| 20.856 | -C.010 | 20.872 | -0.067 | 20.886 | -0.111 | 20.897 | -0.160 | 24.616 | -C.088 | 24.632 | -0.074 | 24.656 | -C.016 | 24.668 | -C.002 |
| 20.908 | -C.032 | 20.920 | -0.074 | 20.934 | -0.064 | 20.947 | -0.001 | 24.677 | 0.021 | 24.656 | 0.068 | 24.705 | -C.019 | 24.717 | -C.054 |
| 20.961 | 0.103 | 20.973 | 0.188 | 20.985 | 0.225 | 21.001 | C.279 | 24.734 | -0.094 | 24.755 | -C.080 | 24.767 | -C.058 | 24.781 | -C.075 |
| 21.009 | 0.257 | 21.020 | 0.285 | 21.030 | 0.218 | 21.046 | 0.160 | 24.808 | -C.047 | 24.821 | -0.051 | 24.834 | -C.038 | 24.845 | -C.028 |
| 21.067 | C.126 | 21.085 | 0.104 | 21.101 | 0.101 | 21.115 | 0.083 | 24.860 | -C.028 | 24.890 | -0.045 | 24.901 | -C.063 | 24.917 | -C.085 |
| 21.124 | 0.052 | 21.145 | 0.018 | 21.158 | 0.031 | 21.177 | 0.077 | 24.931 | -0.098 | 24.937 | -0.107 | 24.951 | -0.085 | 24.965 | -0.063 |
| 21.197 | 0.118 | 21.217 | 0.132 | 21.233 | 0.097 | 21.248 | -0.017 | 24.988 | -C.013 | 25.004 | -0.009 | 25.017 | C.013 | 25.042 | C.022 |
| 21.264 | -C.090 | 21.279 | -0.169 | 21.296 | -0.191 | 21.310 | -0.168 | 25.061 | -0.022 | 25.071 | 0.009 | 25.090 | -0.026 | 25.054 | -C.045 |
| 21.324 | -0.078 | 21.345 | 0.008 | 21.364 | 0.054 | 21.378 | 0.018 | 25.167 | -0.102 | 25.120 | -0.125 | 25.150 | -C.093 | 25.162 | -0.061 |
| 21.405 | 0.002 | 21.421 | -0.065 | 21.435 | -0.073 | 21.454 | -0.153 | 25.183 | 0.015 | 25.157 | 0.029 | 25.218 | -C.061 | 25.231 | C.057 |
| 21.470 | -0.085 | 21.485 | -0.066 | 21.499 | -0.039 | 21.515 | -0.060 | 25.238 | 0.025 | 25.255 | -0.032 | 25.263 | -C.063 | 25.296 | -0.058 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 25.312 | -0.026 | 25.329 | 0.010 | 25.352 | 0.056 | 25.381 | 0.052 | 30.139 | -0.105 | 30.164 | -0.055 | 30.183 | -0.054 | 30.212 | -0.031 |
| 25.389 | 0.021 | 25.403 | -0.032 | 25.415 | -0.067 | 25.430 | -0.039 | 30.233 | -0.025 | 30.259 | -0.042 | 30.266 | -0.054 | 30.314 | -0.080 |
| 25.454 | 0.011 | 25.475 | -0.003 | 25.506 | -0.013 | 25.526 | -0.030 | 30.331 | -0.080 | 30.358 | -0.061 | 30.389 | -0.020 | 30.405 | -0.039 |
| 25.542 | -0.016 | 25.562 | -0.029 | 25.581 | -0.042 | 25.595 | -0.059 | 30.423 | -0.006 | 30.455 | -0.023 | 30.478 | -0.059 | 30.487 | -0.039 |
| 25.625 | -0.032 | 25.635 | -0.000 | 25.660 | -0.054 | 25.686 | -0.081 | 30.518 | -0.031 | 30.534 | -0.008 | 30.563 | -0.003 | 30.575 | -0.034 |
| 25.707 | -0.068 | 25.736 | 0.033 | 25.762 | 0.060 | 25.787 | 0.150 | 30.559 | -0.070 | 30.632 | -0.100 | 30.649 | -0.064 | 30.679 | -0.004 |
| 25.802 | 0.151 | 25.827 | 0.142 | 25.837 | 0.146 | 25.847 | 0.093 | 30.709 | 0.027 | 30.726 | -0.006 | 30.745 | -0.043 | 30.759 | -0.069 |
| 25.869 | 0.089 | 25.879 | 0.080 | 25.893 | 0.017 | 25.909 | 0.008 | 30.788 | -0.077 | 30.807 | -0.036 | 30.823 | 0.032 | 30.832 | 0.066 |
| 25.925 | -0.054 | 25.947 | -0.036 | 25.963 | -0.081 | 25.973 | -0.067 | 30.854 | 0.051 | 30.868 | -0.047 | 30.886 | -0.005 | 30.896 | -0.042 |
| 25.953 | -0.018 | 25.993 | 0.027 | 26.011 | 0.036 | 26.029 | 0.054 | 30.919 | -0.087 | 30.930 | -0.073 | 30.954 | -0.005 | 30.974 | -0.062 |
| 26.050 | 0.104 | 26.082 | 0.100 | 26.107 | 0.077 | 26.131 | 0.052 | 30.989 | 0.067 | 31.014 | 0.022 | 31.026 | -0.031 | 31.045 | -0.107 |
| 26.144 | 0.016 | 26.157 | -0.014 | 26.186 | -0.040 | 26.202 | -0.053 | 31.059 | -0.143 | 31.085 | -0.129 | 31.108 | -0.071 | 31.121 | -0.008 |
| 26.230 | -0.065 | 26.257 | -0.055 | 26.280 | -0.045 | 26.299 | -0.040 | 31.150 | 0.023 | 31.166 | -0.027 | 31.186 | -0.129 | 31.222 | -0.052 |
| 26.311 | -0.017 | 26.337 | 0.006 | 26.359 | 0.025 | 26.379 | 0.021 | 31.235 | 0.011 | 31.271 | 0.057 | 31.305 | 0.080 | 31.326 | 0.058 |
| 26.356 | -0.000 | 26.411 | -0.035 | 26.420 | -0.084 | 26.438 | -0.128 | 31.364 | -0.036 | 31.402 | -0.044 | 31.417 | -0.061 | 31.455 | -0.012 |
| 26.449 | -0.146 | 26.476 | -0.136 | 26.494 | -0.118 | 26.508 | -0.108 | 31.486 | 0.025 | 31.519 | 0.025 | 31.531 | -0.019 | 31.558 | -0.117 |
| 26.524 | -0.054 | 26.537 | -0.041 | 26.563 | -0.035 | 26.570 | -0.053 | 31.589 | -0.103 | 31.615 | 0.005 | 31.631 | 0.090 | 31.662 | 0.104 |
| 26.560 | -0.070 | 26.601 | -0.101 | 26.607 | -0.119 | 26.627 | -0.131 | 31.687 | 0.101 | 31.707 | 0.034 | 31.725 | 0.004 | 31.768 | -0.012 |
| 26.641 | -0.121 | 26.658 | -0.057 | 26.672 | -0.052 | 26.698 | -0.023 | 31.794 | -0.025 | 31.826 | -0.059 | 31.868 | -0.084 | 31.886 | -0.102 |
| 26.709 | -0.031 | 26.730 | -0.070 | 26.750 | -0.114 | 26.771 | -0.135 | 31.911 | -0.038 | 31.925 | 0.038 | 31.946 | 0.083 | 31.984 | -0.070 |
| 26.793 | -0.120 | 26.816 | -0.052 | 26.828 | -0.011 | 26.853 | 0.017 | 32.013 | 0.017 | 32.041 | -0.000 | 32.073 | 0.014 | 32.103 | 0.001 |
| 26.882 | 0.019 | 26.903 | -0.007 | 26.922 | -0.019 | 26.945 | -0.063 | 32.119 | -0.030 | 32.138 | -0.066 | 32.168 | -0.106 | 32.189 | -0.123 |
| 26.960 | -0.049 | 26.988 | -0.039 | 27.000 | -0.003 | 27.020 | 0.029 | 32.208 | -0.052 | 32.243 | 0.025 | 32.273 | 0.048 | 32.302 | 0.052 |
| 27.037 | -0.020 | 27.047 | -0.006 | 27.067 | -0.001 | 27.080 | -0.046 | 32.335 | 0.035 | 32.362 | 0.013 | 32.403 | -0.004 | 32.450 | -0.030 |
| 27.106 | -0.090 | 27.118 | -0.098 | 27.135 | -0.125 | 27.146 | -0.116 | 32.477 | -0.043 | 32.531 | -0.087 | 32.557 | -0.068 | 32.561 | -0.022 |
| 27.171 | -0.089 | 27.187 | -0.084 | 27.206 | -0.070 | 27.231 | -0.020 | 32.589 | 0.082 | 32.605 | 0.055 | 32.630 | 0.061 | 32.649 | -0.028 |
| 27.267 | 0.003 | 27.262 | 0.027 | 27.291 | 0.055 | 27.316 | 0.061 | 32.747 | -0.065 | 32.760 | -0.029 | 32.772 | -0.010 | 32.795 | -0.005 |
| 27.336 | 0.045 | 27.365 | 0.011 | 27.377 | -0.038 | 27.405 | -0.094 | 32.812 | -0.027 | 32.836 | -0.053 | 32.854 | -0.052 | 32.905 | -0.037 |
| 27.427 | -0.057 | 27.452 | -0.083 | 27.479 | -0.038 | 27.491 | -0.020 | 32.951 | -0.054 | 32.955 | -0.017 | 33.017 | 0.019 | 33.048 | -0.038 |
| 27.510 | -0.019 | 27.536 | -0.046 | 27.557 | -0.063 | 27.586 | -0.013 | 33.080 | 0.012 | 33.118 | -0.005 | 33.138 | -0.018 | 33.162 | -0.013 |
| 27.603 | 0.032 | 27.624 | 0.063 | 27.637 | 0.050 | 27.648 | 0.027 | 33.166 | -0.039 | 33.225 | -0.051 | 33.236 | -0.046 | 33.270 | -0.052 |
| 27.668 | -0.004 | 27.681 | -0.008 | 27.700 | -0.023 | 27.722 | -0.068 | 33.258 | 0.000 | 33.325 | -0.008 | 33.345 | -0.030 | 33.370 | -0.052 |
| 27.734 | 0.069 | 27.745 | 0.042 | 27.764 | -0.043 | 27.772 | -0.065 | 33.387 | -0.060 | 33.406 | -0.046 | 33.441 | -0.014 | 33.459 | 0.000 |
| 27.761 | -0.110 | 27.801 | -0.136 | 27.821 | -0.136 | 27.834 | -0.118 | 33.480 | -0.008 | 33.512 | -0.016 | 33.526 | -0.020 | 33.538 | -0.038 |
| 27.858 | -0.149 | 27.880 | -0.162 | 27.905 | -0.134 | 27.919 | -0.085 | 33.566 | -0.055 | 33.592 | -0.064 | 33.614 | -0.063 | 33.637 | -0.045 |
| 27.954 | -0.026 | 27.986 | -0.039 | 28.001 | -0.057 | 28.036 | -0.011 | 33.665 | -0.044 | 33.656 | -0.052 | 33.710 | -0.061 | 33.732 | -0.069 |
| 28.065 | -0.002 | 28.082 | -0.011 | 28.118 | -0.028 | 28.151 | -0.049 | 33.763 | -0.095 | 33.795 | -0.034 | 33.830 | -0.021 | 33.856 | -0.006 |
| 28.187 | -0.039 | 28.209 | -0.007 | 28.247 | 0.017 | 28.286 | 0.076 | 33.886 | -0.014 | 33.902 | -0.031 | 33.926 | -0.056 | 33.956 | -0.028 |
| 28.319 | 0.068 | 28.351 | 0.052 | 28.368 | 0.034 | 28.407 | 0.072 | 34.000 | -0.010 | 34.021 | -0.054 | 34.052 | -0.024 | 34.066 | 0.003 |
| 28.429 | 0.108 | 28.451 | 0.112 | 28.486 | 0.072 | 28.518 | 0.001 | 34.100 | -0.010 | 34.132 | -0.018 | 34.160 | -0.062 | 34.172 | -0.084 |
| 28.555 | -0.012 | 28.584 | -0.017 | 28.620 | -0.035 | 28.647 | -0.009 | 34.200 | -0.097 | 34.226 | -0.065 | 34.261 | -0.041 | 34.284 | -0.041 |
| 28.675 | 0.014 | 28.702 | 0.013 | 28.735 | 0.018 | 28.777 | 0.000 | 34.300 | -0.009 | 34.320 | 0.041 | 34.340 | 0.055 | 34.382 | 0.078 |
| 28.796 | -0.022 | 28.819 | -0.058 | 28.841 | -0.085 | 28.860 | -0.072 | 34.358 | 0.061 | 34.418 | 0.039 | 34.446 | -0.045 | 34.463 | -0.107 |
| 28.957 | -0.054 | 28.908 | -0.027 | 28.939 | 0.027 | 28.965 | 0.009 | 34.478 | -0.143 | 34.505 | -0.120 | 34.527 | -0.021 | 34.545 | -0.056 |
| 28.968 | -0.040 | 29.008 | -0.049 | 29.049 | -0.027 | 29.072 | 0.000 | 34.569 | 0.016 | 34.590 | 0.042 | 34.608 | -0.073 | 34.632 | -0.046 |
| 29.091 | -0.013 | 29.124 | -0.009 | 29.151 | -0.004 | 29.177 | -0.004 | 34.661 | 0.027 | 34.690 | 0.067 | 34.707 | 0.086 | 34.738 | 0.028 |
| 29.155 | -0.018 | 29.207 | 0.009 | 29.232 | -0.036 | 29.247 | -0.009 | 34.745 | -0.021 | 34.765 | -0.021 | 34.808 | 0.008 | 34.832 | 0.022 |
| 29.265 | -0.072 | 29.290 | -0.054 | 29.316 | -0.058 | 29.334 | -0.038 | 34.850 | 0.005 | 34.870 | -0.062 | 34.883 | -0.120 | 34.908 | -0.159 |
| 29.348 | -0.107 | 29.367 | -0.103 | 29.393 | -0.040 | 29.418 | -0.049 | 34.920 | -0.145 | 34.930 | -0.169 | 34.948 | -0.014 | 34.958 | -0.017 |
| 29.436 | 0.000 | 29.458 | 0.032 | 29.482 | -0.008 | 29.507 | 0.034 | 34.954 | 0.058 | 34.996 | 0.068 | 35.020 | 0.064 | 35.042 | 0.070 |
| 29.528 | -0.052 | 29.558 | -0.003 | 29.592 | 0.035 | 29.622 | 0.039 | 35.060 | 0.115 | 35.071 | 0.134 | 35.095 | 0.108 | 35.105 | 0.078 |
| 29.648 | 0.024 | 29.665 | -0.056 | 29.689 | -0.145 | 29.710 | -0.144 | 35.128 | 0.011 | 35.138 | -0.020 | 35.164 | -0.085 | 35.174 | -0.107 |
| 29.730 | -0.063 | 29.756 | -0.013 | 29.790 | -0.021 | 29.812 | -0.043 | 35.204 | -0.119 | 35.233 | -0.104 | 35.247 | -0.099 | 35.278 | -0.070 |
| 29.827 | -0.069 | 29.861 | -0.015 | 29.889 | 0.053 | 29.917 | 0.049 | 35.299 | -0.051 | 35.315 | -0.023 | 35.337 | -0.027 | 35.362 | -0.076 |
| 29.944 | 0.014 | 29.973 | -0.003 | 30.007 | 0.011 | 30.021 | 0.012 | 35.378 | 0.085 | 35.389 | 0.055 | 35.401 | 0.077 | 35.413 | 0.059 |
| 30.048 | -0.001 | 30.068 | -0.043 | 30.080 | -0.107 | 30.124 | -0.106 | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 35.451 | 0.055 | 35.469 | 0.082 | 35.500 | 0.078 | 35.514 | 0.029 | 36.350 | 0.139 | 38.405 | 0.117 | 38.414 | 0.104 | 38.433 | 0.113 |
| 35.527 | 0.007 | 35.546 | -0.047 | 35.566 | -0.059 | 35.587 | -0.081 | 38.451 | 0.131 | 38.461 | 0.131 | 38.474 | 0.104 | 38.489 | 0.052 |
| 35.555 | -0.081 | 35.603 | -0.104 | 35.615 | -0.126 | 35.617 | -0.135 | 38.501 | -0.001 | 38.513 | -0.041 | 38.528 | -0.058 | 38.545 | -0.088 |
| 35.623 | -0.130 | 35.626 | -0.139 | 35.630 | -0.134 | 35.643 | -0.134 | 38.563 | -0.101 | 38.573 | -0.123 | 38.591 | -0.135 | 38.604 | -0.138 |
| 35.655 | -0.119 | 35.663 | -0.115 | 35.673 | -0.134 | 35.683 | -0.134 | 38.625 | -0.110 | 38.643 | -0.037 | 38.655 | 0.023 | 38.674 | 0.100 |
| 35.653 | -0.036 | 35.702 | -0.000 | 35.713 | 0.040 | 35.720 | 0.076 | 38.690 | 0.137 | 38.702 | 0.062 | 38.716 | 0.148 | 38.731 | 0.130 |
| 35.728 | 0.099 | 35.736 | 0.104 | 35.749 | 0.077 | 35.762 | 0.047 | 38.750 | 0.108 | 38.771 | 0.062 | 38.786 | 0.060 | 38.796 | 0.043 |
| 35.778 | 0.030 | 35.784 | 0.008 | 35.797 | -0.009 | 35.803 | -0.014 | 38.814 | 0.034 | 38.830 | 0.026 | 38.844 | 0.013 | 38.858 | -0.000 |
| 35.816 | -0.004 | 35.828 | 0.001 | 35.838 | 0.024 | 35.845 | 0.043 | 38.871 | -0.014 | 38.884 | -0.017 | 38.890 | -0.030 | 38.915 | -0.033 |
| 35.853 | 0.061 | 35.863 | 0.044 | 35.872 | 0.036 | 35.879 | 0.004 | 38.920 | -0.041 | 38.947 | -0.040 | 38.960 | -0.039 | 38.974 | -0.065 |
| 35.891 | -0.061 | 35.903 | -0.087 | 35.912 | -0.122 | 35.923 | -0.135 | 38.968 | -0.068 | 38.999 | -0.072 | 39.018 | -0.030 | 39.038 | 0.043 |
| 35.938 | -0.080 | 35.947 | -0.034 | 35.955 | -0.029 | 35.967 | 0.003 | 39.047 | 0.176 | 39.066 | 0.059 | 39.086 | 0.109 | 39.102 | 0.110 |
| 35.983 | 0.018 | 35.992 | 0.054 | 36.002 | 0.037 | 36.015 | 0.020 | 39.114 | 0.116 | 39.131 | 0.126 | 39.149 | 0.127 | 39.162 | 0.128 |
| 36.024 | 0.007 | 36.037 | 0.008 | 36.050 | 0.014 | 36.064 | 0.037 | 39.177 | 0.124 | 39.194 | 0.107 | 39.205 | 0.081 | 39.217 | 0.041 |
| 36.078 | 0.058 | 36.087 | 0.101 | 36.099 | 0.088 | 36.110 | 0.085 | 39.229 | -0.016 | 39.241 | -0.074 | 39.253 | -0.113 | 39.263 | -0.144 |
| 36.126 | 0.058 | 36.135 | 0.014 | 36.143 | -0.026 | 36.150 | -0.052 | 39.281 | -0.152 | 39.293 | -0.138 | 39.313 | -0.096 | 39.320 | -0.056 |
| 36.158 | -0.065 | 36.168 | -0.065 | 36.180 | -0.060 | 36.194 | -0.051 | 39.333 | -0.032 | 39.354 | -0.017 | 39.369 | -0.003 | 39.378 | 0.007 |
| 36.210 | -0.046 | 36.225 | -0.041 | 36.238 | -0.022 | 36.252 | -0.035 | 39.359 | 0.034 | 39.358 | -0.005 | 39.409 | 0.032 | 39.417 | 0.064 |
| 36.266 | -0.048 | 36.273 | -0.057 | 36.288 | -0.043 | 36.302 | -0.033 | 39.427 | 0.038 | 39.436 | 0.057 | 39.452 | 0.054 | 39.465 | 0.073 |
| 36.316 | -0.015 | 36.330 | -0.001 | 36.346 | 0.009 | 36.361 | 0.036 | 39.476 | 0.106 | 39.490 | 0.053 | 39.505 | 0.099 | 39.522 | 0.118 |
| 36.372 | 0.055 | 36.381 | 0.014 | 36.398 | 0.066 | 36.415 | 0.050 | 39.538 | 0.097 | 39.552 | 0.044 | 39.568 | 0.046 | 39.588 | 0.002 |
| 36.435 | 0.016 | 36.450 | -0.005 | 36.464 | -0.027 | 36.479 | -0.043 | 39.600 | -0.028 | 39.621 | -0.044 | 39.648 | -0.074 | 39.666 | -0.086 |
| 36.493 | -0.074 | 36.502 | -0.100 | 36.510 | -0.109 | 36.524 | -0.099 | 39.657 | -0.075 | 39.712 | -0.060 | 39.733 | -0.027 | 39.752 | -0.007 |
| 36.535 | -0.112 | 36.553 | -0.125 | 36.570 | -0.129 | 36.583 | -0.128 | 39.770 | 0.012 | 39.791 | -0.004 | 39.815 | 0.012 | 39.832 | 0.035 |
| 36.603 | -0.113 | 36.619 | -0.067 | 36.633 | -0.021 | 36.651 | 0.007 | 39.847 | 0.045 | 39.865 | 0.067 | 39.891 | 0.093 | 39.911 | 0.107 |
| 36.664 | 0.022 | 36.678 | 0.014 | 36.692 | -0.003 | 36.708 | -0.020 | 39.930 | 0.085 | 39.954 | 0.036 | 39.972 | 0.069 | 39.984 | 0.078 |
| 36.720 | -0.033 | 36.738 | -0.014 | 36.751 | 0.026 | 36.767 | 0.058 | 40.014 | -0.074 | 40.020 | 0.067 | 40.041 | 0.032 | 40.059 | -0.025 |
| 36.778 | 0.090 | 36.793 | 0.118 | 36.811 | 0.092 | 36.823 | 0.030 | 40.074 | -0.074 | 40.087 | -0.118 | 40.103 | -0.126 | 40.118 | -0.124 |
| 36.832 | -0.001 | 36.838 | -0.041 | 36.844 | -0.059 | 36.854 | -0.081 | 40.131 | -0.069 | 40.144 | -0.023 | 40.159 | 0.023 | 40.177 | 0.051 |
| 36.861 | -0.103 | 36.874 | -0.112 | 36.884 | -0.102 | 36.900 | -0.079 | 40.157 | 0.074 | 40.215 | 0.058 | 40.234 | 0.116 | 40.253 | 0.126 |
| 36.916 | -0.034 | 36.930 | -0.006 | 36.940 | -0.016 | 36.956 | 0.035 | 40.273 | 0.140 | 40.295 | 0.145 | 40.310 | 0.158 | 40.325 | 0.150 |
| 36.973 | 0.018 | 36.985 | 0.009 | 36.997 | 0.010 | 37.018 | 0.042 | 40.340 | 0.132 | 40.359 | 0.053 | 40.375 | 0.054 | 40.391 | 0.001 |
| 37.031 | 0.065 | 37.045 | 0.074 | 37.057 | 0.052 | 37.070 | 0.013 | 40.469 | -0.029 | 40.482 | -0.055 | 40.492 | -0.054 | 40.460 | -0.048 |
| 37.080 | -0.005 | 37.090 | -0.026 | 37.102 | -0.044 | 37.115 | -0.047 | 40.480 | -0.047 | 40.498 | -0.073 | 40.517 | -0.085 | 40.534 | -0.088 |
| 37.128 | -0.042 | 37.140 | -0.019 | 37.156 | -0.009 | 37.166 | -0.004 | 40.554 | -0.029 | 40.576 | 0.013 | 40.592 | 0.054 | 40.612 | 0.087 |
| 37.176 | -0.044 | 37.187 | -0.083 | 37.201 | -0.096 | 37.213 | -0.100 | 40.631 | 0.115 | 40.653 | 0.117 | 40.674 | 0.091 | 40.692 | 0.057 |
| 37.227 | -0.045 | 37.242 | -0.022 | 37.254 | 0.006 | 37.265 | 0.029 | 40.713 | 0.031 | 40.730 | 0.037 | 40.753 | 0.056 | 40.769 | 0.044 |
| 37.282 | 0.030 | 37.294 | 0.058 | 37.309 | 0.072 | 37.324 | 0.060 | 40.786 | -0.004 | 40.805 | -0.039 | 40.824 | -0.059 | 40.844 | 0.075 |
| 37.342 | 0.034 | 37.357 | -0.010 | 37.371 | -0.027 | 37.386 | -0.026 | 40.875 | -0.068 | 40.893 | -0.026 | 40.916 | -0.017 | 40.933 | 0.035 |
| 37.402 | -0.011 | 37.415 | 0.025 | 37.427 | 0.048 | 37.443 | 0.049 | 40.949 | 0.069 | 40.969 | 0.070 | 40.992 | 0.076 | 41.013 | 0.100 |
| 37.458 | 0.005 | 37.471 | -0.053 | 37.487 | -0.057 | 37.498 | -0.150 | 41.024 | 0.100 | 41.035 | 0.123 | 41.047 | 0.137 | 41.061 | 0.147 |
| 37.515 | -0.154 | 37.531 | -0.153 | 37.540 | -0.144 | 37.548 | -0.125 | 41.073 | 0.148 | 41.087 | 0.139 | 41.102 | 0.086 | 41.115 | 0.051 |
| 37.563 | -0.111 | 37.573 | -0.037 | 37.587 | -0.006 | 37.600 | 0.066 | 41.158 | 0.007 | 41.137 | -0.028 | 41.148 | -0.059 | 41.158 | -0.067 |
| 37.615 | 0.116 | 37.626 | 0.153 | 37.638 | 0.162 | 37.655 | 0.164 | 41.177 | -0.062 | 41.192 | -0.038 | 41.204 | -0.015 | 41.226 | 0.009 |
| 37.670 | 0.138 | 37.682 | 0.116 | 37.696 | 0.099 | 37.716 | 0.087 | 41.244 | 0.015 | 41.260 | 0.016 | 41.274 | 0.016 | 41.290 | 0.016 |
| 37.724 | 0.101 | 37.734 | 0.088 | 37.745 | 0.048 | 37.759 | 0.022 | 41.306 | 0.021 | 41.324 | 0.044 | 41.338 | 0.062 | 41.352 | 0.089 |
| 37.773 | -0.022 | 37.785 | -0.044 | 37.795 | -0.061 | 37.806 | -0.078 | 41.367 | 0.107 | 41.381 | 0.121 | 41.396 | 0.135 | 41.418 | 0.118 |
| 37.821 | -0.077 | 37.839 | -0.072 | 37.855 | -0.071 | 37.871 | -0.038 | 41.434 | 0.097 | 41.450 | 0.057 | 41.468 | 0.018 | 41.489 | -0.012 |
| 37.888 | -0.019 | 37.908 | -0.013 | 37.921 | 0.001 | 37.931 | 0.015 | 41.567 | -0.024 | 41.522 | -0.022 | 41.542 | -0.017 | 41.560 | -0.016 |
| 37.944 | 0.007 | 37.962 | 0.004 | 37.978 | 0.014 | 37.989 | 0.041 | 41.579 | -0.032 | 41.595 | -0.031 | 41.611 | -0.012 | 41.629 | 0.026 |
| 37.997 | 0.069 | 38.013 | 0.101 | 38.029 | 0.133 | 38.042 | 0.134 | 41.643 | 0.058 | 41.660 | 0.082 | 41.676 | 0.106 | 41.691 | 0.107 |
| 38.062 | 0.126 | 38.078 | 0.100 | 38.091 | 0.065 | 38.105 | 0.034 | 41.712 | 0.086 | 41.735 | 0.047 | 41.751 | 0.034 | 41.772 | 0.030 |
| 38.118 | 0.013 | 38.135 | 0.018 | 38.157 | -0.006 | 38.169 | -0.011 | 41.789 | 0.013 | 41.805 | 0.005 | 41.827 | 0.005 | 41.851 | 0.002 |
| 38.188 | -0.015 | 38.204 | -0.023 | 38.224 | -0.035 | 38.234 | -0.066 | 41.869 | 0.002 | 41.886 | -0.001 | 41.902 | -0.005 | 41.918 | -0.003 |
| 38.254 | -0.070 | 38.272 | -0.051 | 38.290 | -0.010 | 38.312 | 0.062 | 41.944 | 0.026 | 41.974 | 0.037 | 41.996 | 0.048 | 42.013 | 0.077 |
| 38.327 | 0.112 | 38.349 | 0.161 | 38.362 | 0.175 | 38.378 | 0.170 | 42.034 | 0.097 | 42.058 | 0.086 | 42.082 | 0.083 | 42.108 | 0.065 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|-------|
| 42.133 | 0.086 | 42.156 | 0.070 | 42.183 | 0.054 | 42.203 | 0.028 | 46.677 | C.010 | 46.765 | 0.029 | 46.735 | 0.057 | 46.758 | C.077 |
| 42.220 | 0.007 | 42.242 | -0.001 | 42.271 | 0.019 | 42.301 | 0.026 | 46.782 | 0.056 | 46.804 | 0.057 | 46.831 | C.099 | 46.863 | 0.106 |
| 42.315 | 0.031 | 42.329 | 0.046 | 42.343 | 0.056 | 42.358 | 0.075 | 46.882 | 0.113 | 46.902 | 0.119 | 46.931 | C.117 | 46.951 | C.100 |
| 42.377 | 0.094 | 42.396 | 0.091 | 42.412 | 0.074 | 42.424 | 0.057 | 46.980 | 0.084 | 47.002 | 0.062 | 47.015 | C.050 | 47.033 | 0.046 |
| 42.437 | 0.049 | 42.454 | 0.055 | 42.472 | 0.083 | 42.487 | 0.102 | 47.059 | 0.051 | 47.084 | 0.079 | 47.110 | 0.102 | 47.132 | 0.116 |
| 42.507 | 0.094 | 42.525 | 0.078 | 42.547 | 0.066 | 42.563 | 0.058 | 47.152 | 0.126 | 47.172 | 0.132 | 47.195 | C.138 | 47.217 | C.148 |
| 42.575 | 0.059 | 42.592 | 0.055 | 42.608 | 0.047 | 42.627 | 0.049 | 47.238 | 0.140 | 47.260 | 0.120 | 47.281 | C.108 | 47.300 | 0.087 |
| 42.643 | 0.041 | 42.661 | 0.033 | 42.677 | 0.030 | 42.695 | 0.027 | 47.318 | 0.066 | 47.339 | 0.041 | 47.357 | C.033 | 47.384 | C.044 |
| 42.708 | 0.041 | 42.730 | 0.065 | 42.751 | 0.085 | 42.767 | 0.077 | 47.406 | 0.090 | 47.428 | 0.110 | 47.452 | C.126 | 47.473 | C.137 |
| 42.789 | 0.065 | 42.809 | 0.057 | 42.831 | 0.041 | 42.853 | 0.028 | 47.500 | C.135 | 47.521 | 0.141 | 47.540 | C.134 | 47.563 | 0.113 |
| 42.872 | 0.034 | 42.895 | 0.027 | 42.914 | 0.001 | 42.943 | -0.020 | 47.582 | 0.092 | 47.603 | 0.070 | 47.624 | C.067 | 47.646 | 0.068 |
| 42.965 | -0.028 | 42.984 | -0.017 | 43.003 | 0.006 | 43.020 | 0.043 | 47.667 | C.070 | 47.682 | 0.070 | 47.694 | 0.071 | 47.704 | 0.072 |
| 43.040 | 0.058 | 43.063 | 0.117 | 43.082 | 0.118 | 43.104 | 0.092 | | | | | | | | |
| 43.124 | 0.071 | 43.141 | 0.049 | 43.165 | 0.050 | 43.185 | 0.069 | | | | | | | | |
| 43.207 | 0.093 | 43.228 | 0.094 | 43.254 | 0.086 | 43.278 | 0.070 | | | | | | | | |
| 43.259 | 0.066 | 43.323 | 0.040 | 43.348 | 0.023 | 43.374 | 0.024 | | | | | | | | |
| 43.352 | 0.025 | 43.412 | 0.021 | 43.430 | 0.036 | 43.455 | 0.060 | | | | | | | | |
| 43.472 | 0.056 | 43.493 | 0.124 | 43.515 | 0.122 | 43.535 | 0.119 | | | | | | | | |
| 43.559 | 0.120 | 43.587 | 0.091 | 43.603 | 0.066 | 43.628 | 0.068 | | | | | | | | |
| 43.667 | 0.076 | 43.690 | 0.064 | 43.728 | 0.048 | 43.744 | 0.022 | | | | | | | | |
| 43.767 | 0.001 | 43.786 | -0.012 | 43.815 | -0.002 | 43.826 | 0.011 | | | | | | | | |
| 43.832 | 0.025 | 43.846 | 0.025 | 43.859 | 0.030 | 43.874 | 0.044 | | | | | | | | |
| 43.890 | 0.058 | 43.910 | 0.094 | 43.923 | 0.140 | 43.936 | 0.158 | | | | | | | | |
| 43.947 | 0.167 | 43.965 | 0.186 | 43.979 | 0.160 | 43.993 | 0.138 | | | | | | | | |
| 44.007 | 0.103 | 44.021 | 0.081 | 44.039 | 0.086 | 44.054 | 0.078 | | | | | | | | |
| 44.071 | 0.087 | 44.086 | 0.092 | 44.115 | 0.076 | 44.139 | 0.041 | | | | | | | | |
| 44.163 | 0.024 | 44.184 | 0.007 | 44.203 | -0.014 | 44.226 | -0.008 | | | | | | | | |
| 44.251 | 0.020 | 44.266 | 0.039 | 44.284 | 0.067 | 44.312 | 0.077 | | | | | | | | |
| 44.340 | 0.088 | 44.359 | 0.102 | 44.386 | 0.122 | 44.412 | 0.110 | | | | | | | | |
| 44.445 | 0.089 | 44.472 | 0.043 | 44.496 | 0.033 | 44.515 | 0.016 | | | | | | | | |
| 44.537 | 0.008 | 44.552 | -0.013 | 44.569 | -0.029 | 44.594 | -0.014 | | | | | | | | |
| 44.626 | 0.015 | 44.653 | 0.048 | 44.682 | 0.055 | 44.706 | 0.093 | | | | | | | | |
| 44.724 | 0.108 | 44.746 | 0.115 | 44.765 | 0.053 | 44.790 | 0.067 | | | | | | | | |
| 44.809 | 0.050 | 44.835 | 0.042 | 44.857 | 0.038 | 44.880 | 0.017 | | | | | | | | |
| 44.902 | 0.004 | 44.923 | 0.010 | 44.942 | 0.046 | 44.956 | 0.065 | | | | | | | | |
| 44.977 | 0.057 | 44.991 | 0.116 | 45.019 | 0.114 | 45.046 | 0.103 | | | | | | | | |
| 45.063 | 0.077 | 45.084 | 0.070 | 45.102 | 0.071 | 45.125 | 0.082 | | | | | | | | |
| 45.145 | 0.101 | 45.169 | 0.086 | 45.192 | 0.074 | 45.216 | 0.057 | | | | | | | | |
| 45.224 | 0.053 | 45.246 | 0.081 | 45.271 | 0.056 | 45.294 | 0.106 | | | | | | | | |
| 45.318 | 0.054 | 45.342 | 0.082 | 45.363 | 0.087 | 45.383 | 0.092 | | | | | | | | |
| 45.408 | 0.058 | 45.428 | 0.054 | 45.449 | 0.086 | 45.474 | 0.083 | | | | | | | | |
| 45.454 | 0.057 | 45.514 | 0.041 | 45.537 | 0.042 | 45.565 | 0.053 | | | | | | | | |
| 45.567 | 0.050 | 45.615 | 0.052 | 45.636 | 0.062 | 45.648 | 0.063 | | | | | | | | |
| 45.667 | 0.100 | 45.678 | 0.132 | 45.688 | 0.155 | 45.710 | 0.161 | | | | | | | | |
| 45.726 | 0.135 | 45.737 | 0.055 | 45.755 | 0.070 | 45.772 | 0.048 | | | | | | | | |
| 45.755 | 0.059 | 45.812 | 0.077 | 45.830 | 0.074 | 45.851 | 0.075 | | | | | | | | |
| 45.865 | 0.072 | 45.878 | 0.046 | 45.898 | 0.033 | 45.925 | 0.048 | | | | | | | | |
| 45.939 | 0.067 | 45.962 | 0.086 | 45.982 | 0.092 | 46.004 | 0.090 | | | | | | | | |
| 46.021 | 0.055 | 46.037 | 0.088 | 46.060 | 0.085 | 46.078 | 0.100 | | | | | | | | |
| 46.094 | 0.124 | 46.115 | 0.116 | 46.137 | 0.100 | 46.159 | 0.057 | | | | | | | | |
| 46.178 | 0.045 | 46.197 | 0.050 | 46.217 | 0.065 | 46.235 | 0.080 | | | | | | | | |
| 46.252 | 0.086 | 46.273 | 0.057 | 46.294 | 0.019 | 46.312 | 0.012 | | | | | | | | |
| 46.332 | 0.014 | 46.348 | 0.038 | 46.373 | 0.057 | 46.398 | 0.068 | | | | | | | | |
| 46.417 | 0.065 | 46.439 | 0.057 | 46.465 | 0.072 | 46.485 | 0.095 | | | | | | | | |
| 46.505 | 0.113 | 46.521 | 0.118 | 46.544 | 0.124 | 46.567 | 0.112 | | | | | | | | |
| 46.588 | 0.055 | 46.611 | 0.065 | 46.631 | 0.030 | 46.653 | 0.009 | | | | | | | | |

2275 POINTS 47.125 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 0.5886 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.023 | 0.021 | -0.016 | 0.046 | -0.009 | 0.069 | -0.003 | 3.147 | 0.078 | 3.162 | 0.118 | 3.181 | 0.051 | 3.197 | -0.009 |
| 0.097 | 0.004 | 0.126 | 0.011 | 0.155 | 0.004 | 0.171 | -0.010 | 3.221 | -0.009 | 3.241 | -0.109 | 3.249 | -0.162 | 3.275 | -0.096 |
| 0.190 | -0.010 | 0.209 | -0.010 | 0.228 | 0.003 | 0.249 | -0.004 | 3.300 | -0.156 | 3.320 | -0.069 | 3.339 | 0.024 | 3.354 | 0.0057 |
| 0.266 | 0.011 | 0.286 | 0.011 | 0.306 | -0.005 | 0.324 | 0.002 | 3.379 | 0.057 | 3.403 | 0.004 | 3.432 | -0.062 | 3.453 | -0.003 |
| 0.347 | 0.021 | 0.365 | 0.021 | 0.384 | 0.014 | 0.394 | -0.006 | 3.468 | 0.037 | 3.487 | 0.057 | 3.502 | -0.117 | 3.534 | 0.058 |
| 0.411 | -0.007 | 0.425 | -0.000 | 0.440 | -0.001 | 0.454 | -0.001 | 3.553 | 0.053 | 3.581 | 0.061 | 3.598 | 0.028 | 3.610 | 0.014 |
| 0.472 | 0.012 | 0.483 | 0.005 | 0.495 | -0.015 | 0.513 | 0.015 | 3.637 | 0.093 | 3.654 | 0.020 | 3.666 | -0.007 | 3.684 | 0.039 |
| 0.538 | -0.015 | 0.556 | -0.015 | 0.575 | 0.011 | 0.597 | 0.031 | 3.700 | 0.084 | 3.720 | 0.071 | 3.738 | 0.130 | 3.755 | 0.156 |
| 0.614 | 0.011 | 0.634 | 0.011 | 0.653 | 0.011 | 0.677 | -0.009 | 3.773 | 0.075 | 3.787 | 0.011 | 3.802 | -0.072 | 3.821 | -0.072 |
| 0.706 | 0.024 | 0.720 | 0.011 | 0.738 | -0.016 | 0.753 | -0.009 | 3.838 | -0.073 | 3.852 | -0.073 | 3.868 | -0.073 | 3.889 | -0.154 |
| 0.772 | -0.003 | 0.790 | 0.024 | 0.810 | 0.044 | 0.828 | 0.024 | 3.907 | 0.214 | 3.927 | 0.161 | 3.956 | -0.076 | 3.992 | -0.017 |
| 0.845 | 0.004 | 0.861 | 0.003 | 0.884 | -0.024 | 0.899 | -0.018 | 4.016 | -0.024 | 4.037 | 0.035 | 4.052 | 0.075 | 4.076 | 0.028 |
| 0.913 | -0.012 | 0.928 | -0.032 | 0.955 | -0.026 | 0.975 | -0.034 | 4.105 | -0.072 | 4.129 | -0.099 | 4.159 | -0.006 | 4.181 | -0.007 |
| 0.986 | 0.034 | 1.002 | 0.038 | 1.017 | 0.084 | 1.027 | 0.104 | 4.205 | -0.007 | 4.224 | -0.007 | 4.251 | 0.085 | 4.271 | 0.138 |
| 1.045 | 0.057 | 1.060 | 0.056 | 1.073 | 0.042 | 1.087 | 0.021 | 4.298 | 0.144 | 4.318 | 0.018 | 4.333 | -0.089 | 4.353 | -0.076 |
| 1.099 | -0.013 | 1.116 | -0.034 | 1.137 | -0.056 | 1.154 | -0.103 | 4.372 | -0.063 | 4.390 | 0.070 | 4.402 | 0.169 | 4.422 | 0.089 |
| 1.166 | -0.104 | 1.185 | -0.052 | 1.203 | 0.006 | 1.219 | 0.039 | 4.441 | 0.009 | 4.465 | 0.022 | 4.483 | -0.025 | 4.496 | -0.052 |
| 1.241 | 0.077 | 1.255 | 0.076 | 1.273 | 0.056 | 1.294 | 0.035 | 4.512 | -0.019 | 4.533 | -0.132 | 4.547 | -0.192 | 4.574 | -0.053 |
| 1.311 | 0.001 | 1.325 | -0.039 | 1.338 | -0.059 | 1.360 | -0.053 | 4.600 | 0.053 | 4.624 | 0.092 | 4.638 | 0.072 | 4.648 | 0.059 |
| 1.377 | -0.061 | 1.399 | -0.061 | 1.416 | -0.062 | 1.446 | 0.024 | 4.674 | -0.041 | 4.696 | -0.114 | 4.716 | -0.160 | 4.740 | 0.127 |
| 1.476 | 0.083 | 1.487 | 0.103 | 1.507 | 0.030 | 1.526 | -0.003 | 4.759 | -0.127 | 4.794 | 0.066 | 4.808 | 0.052 | 4.823 | 0.032 |
| 1.550 | -0.044 | 1.570 | -0.057 | 1.587 | -0.051 | 1.611 | -0.051 | 4.841 | 0.059 | 4.860 | -0.034 | 4.875 | -0.113 | 4.897 | -0.080 |
| 1.631 | -0.018 | 1.656 | 0.015 | 1.678 | 0.021 | 1.699 | 0.008 | 4.923 | -0.199 | 4.942 | 0.026 | 4.959 | 0.061 | 4.978 | 0.108 |
| 1.718 | 0.007 | 1.732 | -0.033 | 1.759 | -0.060 | 1.780 | 0.013 | 5.008 | 0.161 | 5.032 | 0.122 | 5.056 | 0.056 | 5.072 | -0.057 |
| 1.802 | 0.053 | 1.821 | 0.006 | 1.844 | -0.034 | 1.860 | -0.054 | 5.086 | -0.137 | 5.104 | -0.203 | 5.122 | -0.309 | 5.133 | -0.336 |
| 1.880 | -0.001 | 1.899 | 0.045 | 1.920 | 0.045 | 1.939 | 0.064 | 5.151 | -0.249 | 5.163 | -0.183 | 5.177 | -0.136 | 5.197 | 0.300 |
| 1.957 | 0.051 | 1.973 | 0.031 | 1.993 | 0.004 | 2.020 | -0.056 | 5.211 | 0.070 | 5.230 | 0.064 | 5.250 | -0.009 | 5.265 | -0.042 |
| 2.049 | -0.023 | 2.076 | -0.050 | 2.102 | -0.043 | 2.120 | -0.083 | 5.289 | -0.002 | 5.315 | -0.075 | 5.349 | -0.002 | 5.372 | -0.001 |
| 2.139 | -0.037 | 2.162 | -0.043 | 2.186 | -0.043 | 2.203 | 0.062 | 5.398 | 0.211 | 5.417 | 0.045 | 5.431 | -0.101 | 5.446 | -0.100 |
| 2.221 | 0.009 | 2.242 | -0.038 | 2.266 | -0.005 | 2.298 | 0.041 | 5.461 | -0.100 | 5.491 | 0.080 | 5.507 | 0.020 | 5.523 | 0.114 |
| 2.335 | 0.067 | 2.359 | 0.014 | 2.380 | 0.020 | 2.400 | -0.001 | 5.543 | 0.074 | 5.560 | 0.074 | 5.574 | 0.075 | 5.587 | 0.095 |
| 2.421 | -0.074 | 2.443 | -0.001 | 2.460 | 0.065 | 2.479 | 0.051 | 5.603 | 0.075 | 5.628 | 0.182 | 5.653 | 0.135 | 5.676 | 0.136 |
| 2.503 | 0.091 | 2.523 | 0.024 | 2.546 | -0.043 | 2.574 | -0.023 | 5.697 | 0.136 | 5.719 | 0.176 | 5.737 | 0.123 | 5.751 | -0.003 |
| 2.594 | -0.057 | 2.612 | -0.057 | 2.632 | -0.031 | 2.650 | -0.051 | 5.766 | -0.136 | 5.785 | -0.249 | 5.807 | -0.209 | 5.830 | -0.056 |
| 2.670 | 0.008 | 2.689 | 0.054 | 2.710 | 0.014 | 2.727 | 0.000 | 5.850 | 0.070 | 5.873 | -0.083 | 5.892 | -0.189 | 5.905 | -0.189 |
| 2.742 | -0.000 | 2.773 | -0.041 | 2.791 | -0.002 | 2.811 | 0.045 | 5.934 | -0.096 | 5.960 | -0.030 | 5.977 | -0.010 | 5.995 | -0.070 |
| 2.826 | 0.018 | 2.844 | -0.009 | 2.868 | -0.023 | 2.881 | -0.010 | 6.008 | -0.117 | 6.039 | -0.018 | 6.061 | -0.025 | 6.082 | 0.121 |
| 2.895 | -0.024 | 2.920 | 0.009 | 2.949 | -0.039 | 2.977 | 0.027 | 6.096 | 0.194 | 6.114 | 0.187 | 6.132 | 0.247 | 6.144 | 0.286 |
| 2.993 | -0.026 | 3.007 | -0.060 | 3.026 | -0.050 | 3.045 | 0.039 | 6.163 | 0.140 | 6.177 | 0.093 | 6.190 | 0.100 | 6.212 | -0.040 |
| 3.071 | 0.012 | 3.092 | 0.038 | 3.104 | 0.091 | 3.130 | 0.038 | 6.237 | -0.074 | 6.256 | -0.101 | 6.286 | -0.035 | 6.306 | 0.005 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6.328 | 0.071 | 6.354 | -0.069 | 6.378 | 0.037 | 6.396 | -0.123 | 10.740 | 0.449 | 10.760 | 0.509 | 10.782 | 0.595 | 10.794 | 0.609 |
| 6.410 | -0.217 | 6.432 | -0.157 | 6.450 | -0.277 | 6.466 | -0.344 | 10.825 | 0.536 | 10.844 | 0.476 | 10.857 | 0.469 | 10.884 | 0.256 |
| 6.481 | -0.231 | 6.498 | -0.118 | 6.528 | -0.185 | 6.548 | -0.000 | 10.906 | 0.500 | 10.922 | 0.424 | 10.945 | -0.428 | 10.972 | -0.342 |
| 6.567 | 0.153 | 6.585 | 0.219 | 6.606 | 0.358 | 6.625 | 0.338 | 10.993 | -0.302 | 11.011 | -0.315 | 11.032 | -0.361 | 11.048 | -0.488 |
| 6.637 | 0.278 | 6.663 | 0.218 | 6.678 | 0.178 | 6.703 | 0.018 | 11.068 | -0.660 | 11.081 | -0.853 | 11.096 | -1.152 | 11.115 | -1.438 |
| 6.679 | 0.105 | 6.736 | 0.184 | 6.754 | 0.071 | 6.762 | -0.015 | 11.130 | -1.511 | 11.147 | -1.411 | 11.167 | -1.006 | 11.175 | -0.787 |
| 6.780 | -0.102 | 6.797 | -0.149 | 6.812 | -0.182 | 6.835 | -0.136 | 11.200 | -0.448 | 11.220 | -0.182 | 11.245 | 0.157 | 11.267 | 0.536 |
| 6.855 | -0.043 | 6.877 | -0.123 | 6.894 | -0.256 | 6.912 | -0.316 | 11.304 | 0.881 | 11.327 | 0.895 | 11.354 | 0.889 | 11.379 | 0.842 |
| 6.936 | -0.322 | 6.958 | -0.336 | 6.973 | -0.363 | 6.987 | -0.409 | 11.400 | 0.803 | 11.425 | 0.623 | 11.439 | 0.451 | 11.452 | 0.318 |
| 7.010 | -0.423 | 7.031 | -0.443 | 7.043 | -0.403 | 7.067 | -0.264 | 11.470 | 0.192 | 11.489 | 0.026 | 11.516 | -0.232 | 11.534 | -0.451 |
| 7.089 | -0.298 | 7.110 | -0.351 | 7.126 | -0.365 | 7.143 | -0.392 | 11.543 | -0.577 | 11.563 | -0.702 | 11.578 | -0.722 | 11.607 | -0.568 |
| 7.159 | -0.286 | 7.176 | -0.107 | 7.190 | -0.020 | 7.215 | -0.001 | 11.623 | -0.428 | 11.638 | -0.267 | 11.646 | -0.161 | 11.648 | -0.114 |
| 7.235 | 0.039 | 7.251 | 0.039 | 7.277 | 0.231 | 7.292 | 0.384 | 11.652 | -0.067 | 11.655 | -0.001 | 11.661 | 0.073 | 11.669 | 0.120 |
| 7.305 | 0.517 | 7.319 | 0.749 | 7.333 | 0.981 | 7.347 | 1.134 | 11.675 | 0.166 | 11.680 | 0.214 | 11.686 | 0.214 | 11.691 | 0.220 |
| 7.366 | 1.280 | 7.389 | 1.406 | 7.405 | 1.326 | 7.422 | 1.220 | 11.696 | 0.207 | 11.700 | 0.201 | 11.703 | 0.201 | 11.704 | 0.201 |
| 7.439 | 1.147 | 7.453 | 1.100 | 7.470 | 0.928 | 7.489 | 0.722 | 11.712 | 0.208 | 11.718 | 0.222 | 11.727 | 0.229 | 11.733 | 0.223 |
| 7.501 | 0.582 | 7.514 | 0.476 | 7.527 | 0.243 | 7.546 | -0.029 | 11.737 | 0.223 | 11.743 | 0.203 | 11.752 | 0.171 | 11.759 | 0.111 |
| 7.561 | -0.202 | 7.580 | -0.295 | 7.608 | -0.441 | 7.632 | -0.381 | 11.763 | 0.058 | 11.767 | 0.025 | 11.772 | -0.048 | 11.778 | -0.114 |
| 7.656 | -0.448 | 7.681 | -0.361 | 7.700 | -0.461 | 7.725 | -0.561 | 11.783 | -0.180 | 11.787 | -0.259 | 11.792 | -0.385 | 11.799 | -0.491 |
| 7.742 | -0.634 | 7.763 | -0.508 | 7.784 | -0.182 | 7.800 | -0.062 | 11.805 | -0.597 | 11.811 | -0.677 | 11.819 | -0.749 | 11.827 | -0.829 |
| 7.816 | -0.109 | 7.841 | -0.368 | 7.861 | -0.647 | 7.878 | -0.827 | 11.829 | -0.815 | 11.831 | -0.828 | 11.839 | -0.795 | 11.847 | -0.741 |
| 7.893 | -0.926 | 7.910 | -0.926 | 7.929 | -0.873 | 7.943 | -0.833 | 11.852 | -0.668 | 11.859 | -0.568 | 11.866 | -0.408 | 11.873 | -0.308 |
| 7.958 | -0.833 | 7.972 | -0.873 | 7.991 | -0.893 | 8.009 | -0.793 | 11.881 | -0.175 | 11.888 | -0.068 | 11.897 | 0.071 | 11.912 | 0.205 |
| 8.028 | -0.455 | 8.052 | -0.109 | 8.074 | 0.130 | 8.091 | 0.210 | 11.921 | 0.265 | 11.934 | 0.379 | 11.945 | 0.465 | 11.955 | 0.546 |
| 8.114 | 0.163 | 8.142 | 0.349 | 8.167 | 0.383 | 8.196 | 0.462 | 11.963 | 0.612 | 11.972 | 0.659 | 11.978 | 0.686 | 11.987 | 0.680 |
| 8.213 | 0.442 | 8.236 | 0.529 | 8.249 | 0.542 | 8.279 | 0.376 | 11.999 | 0.634 | 12.008 | 0.601 | 12.015 | 0.555 | 12.024 | 0.542 |
| 8.304 | 0.184 | 8.325 | 0.045 | 8.342 | -0.008 | 8.365 | 0.139 | 12.032 | 0.509 | 12.038 | 0.482 | 12.045 | 0.469 | 12.055 | 0.423 |
| 8.381 | 0.259 | 8.401 | 0.339 | 8.425 | 0.253 | 8.442 | 0.194 | 12.068 | 0.343 | 12.080 | 0.237 | 12.086 | 0.237 | 12.093 | 0.164 |
| 8.468 | 0.261 | 8.487 | 0.302 | 8.503 | 0.382 | 8.517 | 0.463 | 12.105 | 0.111 | 12.117 | 0.097 | 12.131 | 0.071 | 12.145 | 0.078 |
| 8.541 | 0.417 | 8.559 | 0.391 | 8.585 | 0.559 | 8.612 | 0.693 | 12.157 | 0.091 | 12.163 | 0.124 | 12.175 | 0.091 | 12.184 | 0.012 |
| 8.637 | 0.800 | 8.660 | 0.654 | 8.676 | 0.562 | 8.692 | 0.423 | 12.194 | -0.095 | 12.204 | -0.201 | 12.215 | -0.234 | 12.221 | -0.340 |
| 8.711 | 0.344 | 8.731 | 0.298 | 8.750 | 0.126 | 8.764 | -0.087 | 12.226 | -0.360 | 12.235 | -0.333 | 12.243 | -0.293 | 12.256 | -0.214 |
| 8.774 | -0.199 | 8.788 | -0.378 | 8.809 | -0.570 | 8.830 | -0.643 | 12.263 | -0.121 | 12.269 | -0.042 | 12.278 | 0.077 | 12.285 | 0.156 |
| 8.853 | -0.682 | 8.874 | -0.668 | 8.900 | -0.787 | 8.916 | -0.860 | 12.293 | 0.216 | 12.301 | 0.235 | 12.314 | 0.181 | 12.322 | 0.114 |
| 8.944 | -0.760 | 8.964 | -0.713 | 8.990 | -0.600 | 9.015 | -0.759 | 12.338 | -0.006 | 12.354 | -0.140 | 12.372 | -0.261 | 12.382 | -0.328 |
| 9.036 | -0.825 | 9.051 | -0.798 | 9.069 | -0.658 | 9.086 | -0.465 | 12.402 | -0.448 | 12.415 | -0.569 | 12.430 | -0.689 | 12.441 | -0.816 |
| 9.099 | -0.345 | 9.117 | -0.285 | 9.138 | -0.253 | 9.157 | -0.557 | 12.455 | -0.950 | 12.466 | -1.050 | 12.478 | -1.124 | 12.487 | -1.184 |
| 9.170 | -0.789 | 9.188 | -1.061 | 9.208 | -1.253 | 9.222 | -1.326 | 12.497 | -1.211 | 12.509 | -1.199 | 12.519 | -1.166 | 12.529 | -1.047 |
| 9.239 | -1.358 | 9.257 | -1.285 | 9.284 | -1.158 | 9.307 | -0.812 | 12.538 | -0.921 | 12.546 | -0.795 | 12.559 | -0.577 | 12.575 | -0.319 |
| 9.329 | -0.559 | 9.359 | -0.272 | 9.397 | -0.012 | 9.422 | 0.128 | 12.588 | -0.034 | 12.605 | 0.198 | 12.616 | 0.397 | 12.633 | 0.615 |
| 9.451 | 0.208 | 9.468 | 0.314 | 9.488 | 0.520 | 9.508 | 0.800 | 12.646 | 0.774 | 12.656 | 0.879 | 12.670 | 0.919 | 12.686 | 0.900 |
| 9.523 | 1.045 | 9.540 | 1.384 | 9.562 | 1.517 | 9.577 | 1.457 | 12.704 | 0.907 | 12.722 | 0.920 | 12.729 | 0.960 | 12.746 | 1.054 |
| 9.600 | 1.258 | 9.624 | 1.005 | 9.646 | 0.813 | 9.659 | 0.786 | 12.760 | 1.154 | 12.770 | 1.207 | 12.779 | 1.187 | 12.789 | 1.147 |
| 9.683 | 0.859 | 9.697 | 0.972 | 9.719 | 0.925 | 9.745 | 0.679 | 12.806 | 0.982 | 12.824 | 0.776 | 12.839 | 0.610 | 12.854 | 0.418 |
| 9.759 | 0.585 | 9.775 | 0.632 | 9.801 | 0.844 | 9.818 | 1.156 | 12.868 | 0.298 | 12.886 | 0.252 | 12.893 | 0.245 | 12.912 | 0.272 |
| 9.841 | 1.348 | 9.861 | 1.334 | 9.890 | 1.142 | 9.911 | 0.902 | 12.919 | 0.312 | 12.931 | 0.319 | 12.947 | 0.260 | 12.963 | 0.174 |
| 9.931 | 0.802 | 9.944 | 0.789 | 9.972 | 0.789 | 9.992 | 0.616 | 12.974 | 0.087 | 12.992 | 0.001 | 13.000 | -0.038 | 13.008 | -0.118 |
| 10.014 | 0.270 | 10.029 | 0.062 | 10.042 | -0.375 | 10.061 | -0.641 | 13.018 | -0.164 | 13.032 | -0.197 | 13.049 | -0.164 | 13.064 | -0.111 |
| 10.072 | -0.700 | 10.105 | -0.581 | 10.128 | -0.747 | 10.146 | -0.873 | 13.076 | -0.065 | 13.084 | -0.018 | 13.098 | 0.008 | 13.111 | -0.006 |
| 10.164 | -0.913 | 10.186 | -0.866 | 10.214 | -0.773 | 10.232 | -0.820 | 13.123 | -0.033 | 13.137 | -0.066 | 13.152 | -0.007 | 13.167 | 0.066 |
| 10.248 | -0.853 | 10.269 | -0.773 | 10.299 | -0.714 | 10.312 | -0.793 | 13.180 | 0.119 | 13.183 | 0.158 | 13.195 | 0.171 | 13.210 | 0.111 |
| 10.326 | -0.986 | 10.343 | -1.205 | 10.357 | -1.418 | 10.372 | -1.531 | 13.227 | -0.035 | 13.238 | -0.049 | 13.253 | -0.169 | 13.273 | -0.302 |
| 10.393 | -1.391 | 10.421 | -0.886 | 10.443 | -0.514 | 10.470 | -0.355 | 13.288 | -0.316 | 13.300 | -0.256 | 13.314 | -0.177 | 13.328 | -0.051 |
| 10.501 | -0.029 | 10.527 | 0.323 | 10.552 | 0.615 | 10.572 | 0.894 | 13.339 | 0.088 | 13.350 | 0.341 | 13.358 | 0.227 | 13.367 | 0.346 |
| 10.590 | 0.967 | 10.615 | 0.841 | 10.641 | 0.549 | 10.654 | 0.403 | 13.383 | 0.412 | 13.398 | 0.472 | 13.414 | 0.498 | 13.431 | 0.451 |
| 10.668 | 0.343 | 10.687 | 0.376 | 10.707 | 0.469 | 10.720 | 0.462 | 13.446 | 0.404 | 13.463 | 0.411 | 13.477 | 0.457 | 13.490 | 0.550 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 13.499 | 0.456 | 13.511 | 0.762 | 13.521 | 0.802 | 13.532 | 0.855 | 17.064 | 0.737 | 17.075 | 0.518 | 17.084 | 0.365 | 17.091 | 0.286 |
| 13.533 | 0.848 | 13.543 | 0.788 | 13.556 | 0.668 | 13.572 | 0.475 | 17.099 | 0.259 | 17.108 | 0.306 | 17.113 | 0.352 | 17.116 | 0.446 |
| 13.589 | 0.335 | 13.611 | 0.229 | 13.636 | 0.109 | 13.650 | 0.062 | 17.126 | 0.552 | 17.135 | 0.718 | 17.142 | 0.898 | 17.150 | 1.024 |
| 13.667 | -0.031 | 13.689 | -0.185 | 13.704 | -0.231 | 13.720 | -0.311 | 17.158 | 1.124 | 17.162 | 1.164 | 17.178 | 1.191 | 17.192 | 1.085 |
| 13.739 | -0.411 | 13.747 | -0.445 | 13.760 | -0.465 | 13.775 | -0.419 | 17.204 | 0.939 | 17.212 | 0.720 | 17.221 | 0.580 | 17.232 | 0.394 |
| 13.788 | -0.332 | 13.810 | -0.160 | 13.820 | -0.074 | 13.834 | -0.008 | 17.249 | 0.275 | 17.263 | 0.168 | 17.278 | 0.148 | 17.290 | 0.161 |
| 13.851 | 0.672 | 13.867 | 0.151 | 13.880 | 0.204 | 13.893 | 0.337 | 17.307 | 0.194 | 17.318 | 0.194 | 17.338 | 0.241 | 17.350 | 0.294 |
| 13.908 | 0.384 | 13.920 | 0.469 | 13.930 | 0.535 | 13.946 | 0.601 | 17.360 | 0.367 | 17.374 | 0.466 | 17.388 | 0.552 | 17.403 | 0.632 |
| 13.953 | 0.714 | 13.965 | 0.780 | 13.976 | 0.846 | 13.986 | 0.892 | 17.418 | 0.718 | 17.435 | 0.771 | 17.457 | 0.784 | 17.475 | 0.764 |
| 13.997 | 0.905 | 14.007 | 0.892 | 14.016 | 0.885 | 14.022 | 0.838 | 17.495 | 0.677 | 17.507 | 0.591 | 17.522 | 0.464 | 17.537 | 0.291 |
| 14.031 | 0.792 | 14.045 | 0.731 | 14.052 | 0.691 | 14.063 | 0.658 | 17.551 | 0.112 | 17.564 | -0.081 | 17.575 | -0.214 | 17.594 | -0.381 |
| 14.072 | 0.611 | 14.082 | 0.611 | 14.086 | 0.610 | 14.104 | 0.570 | 17.610 | -0.441 | 17.626 | -0.454 | 17.655 | -0.427 | 17.674 | -0.434 |
| 14.119 | 0.530 | 14.131 | 0.483 | 14.144 | 0.410 | 14.160 | 0.310 | 17.686 | -0.480 | 17.708 | -0.532 | 17.730 | -0.592 | 17.749 | -0.631 |
| 14.179 | 0.416 | 14.190 | 0.063 | 14.213 | -0.130 | 14.225 | -0.310 | 17.770 | -0.604 | 17.785 | -0.577 | 17.805 | -0.557 | 17.818 | -0.556 |
| 14.236 | -0.416 | 14.248 | -0.496 | 14.258 | -0.550 | 14.267 | -0.583 | 17.844 | -0.562 | 17.864 | -0.615 | 17.886 | -0.680 | 17.905 | -0.753 |
| 14.335 | -0.425 | 14.347 | -0.339 | 14.359 | -0.247 | 14.370 | -0.194 | 17.920 | -0.812 | 17.941 | -0.825 | 17.952 | -0.824 | 17.965 | -0.744 |
| 14.382 | -0.127 | 14.396 | -0.114 | 14.411 | -0.128 | 14.421 | -0.162 | 17.980 | -0.644 | 17.999 | -0.504 | 18.019 | -0.370 | 18.040 | -0.263 |
| 14.435 | -0.242 | 14.457 | -0.362 | 14.474 | -0.450 | 14.488 | -0.537 | 18.062 | -0.184 | 18.086 | -0.130 | 18.103 | -0.110 | 18.115 | -0.130 |
| 14.503 | -0.598 | 14.513 | -0.672 | 14.525 | -0.692 | 14.537 | -0.660 | 18.130 | -0.216 | 18.145 | -0.329 | 18.158 | -0.508 | 18.174 | -0.754 |
| 14.546 | -0.587 | 14.561 | -0.469 | 14.577 | -0.377 | 14.593 | -0.291 | 18.194 | -0.940 | 18.213 | -1.000 | 18.228 | -1.006 | 18.245 | -0.926 |
| 14.610 | -0.226 | 14.621 | -0.167 | 14.635 | -0.148 | 14.649 | -0.149 | 18.265 | -0.899 | 18.279 | -0.873 | 18.290 | -0.873 | 18.309 | -0.932 |
| 14.666 | -0.170 | 14.678 | -0.191 | 14.691 | -0.199 | 14.706 | -0.180 | 18.336 | -1.052 | 18.351 | -1.171 | 18.371 | -1.291 | 18.387 | -1.364 |
| 14.719 | -0.155 | 14.736 | -0.136 | 14.749 | -0.144 | 14.763 | -0.158 | 18.413 | -1.483 | 18.434 | -1.562 | 18.449 | -1.629 | 18.469 | -1.681 |
| 14.778 | -0.172 | 14.798 | -0.187 | 14.810 | -0.181 | 14.828 | -0.229 | 18.497 | -1.760 | 18.522 | -1.786 | 18.549 | -1.812 | 18.575 | -1.805 |
| 14.848 | -0.277 | 14.865 | -0.291 | 14.883 | -0.304 | 14.898 | -0.358 | 18.598 | -1.778 | 18.615 | -1.737 | 18.629 | -1.724 | 18.651 | -1.737 |
| 14.915 | -0.471 | 14.933 | -0.598 | 14.950 | -0.711 | 14.964 | -0.745 | 18.667 | -1.770 | 18.678 | -1.743 | 18.692 | -1.583 | 18.712 | -1.450 |
| 14.975 | -0.759 | 14.987 | -0.726 | 14.998 | -0.666 | 15.012 | -0.600 | 18.724 | -1.337 | 18.747 | -1.177 | 18.765 | -1.050 | 18.784 | -0.957 |
| 15.019 | -0.594 | 15.028 | -0.600 | 15.041 | -0.634 | 15.059 | -0.720 | 18.813 | -0.764 | 18.833 | -0.631 | 18.853 | -0.545 | 18.877 | -0.559 |
| 15.073 | -0.767 | 15.091 | -0.986 | 15.117 | -0.880 | 15.138 | -0.913 | 18.904 | -0.580 | 18.922 | -0.601 | 18.946 | -0.629 | 18.972 | -0.696 |
| 15.167 | -0.959 | 15.194 | -0.986 | 15.207 | -0.999 | 15.227 | -0.959 | 18.992 | -0.777 | 19.013 | -0.818 | 19.029 | -0.818 | 19.055 | -0.819 |
| 15.244 | -0.893 | 15.259 | -0.761 | 15.281 | -0.588 | 15.299 | -0.456 | 19.083 | -0.788 | 19.099 | -0.742 | 19.121 | -0.677 | 19.138 | -0.551 |
| 15.309 | -0.376 | 15.333 | -0.310 | 15.354 | -0.244 | 15.374 | -0.198 | 19.160 | -0.399 | 19.176 | -0.300 | 19.194 | -0.155 | 19.215 | -0.017 |
| 15.398 | -0.211 | 15.425 | -0.199 | 15.448 | -0.213 | 15.472 | -0.233 | 19.245 | 0.162 | 19.269 | 0.242 | 19.308 | 0.289 | 19.334 | 0.336 |
| 15.497 | -0.241 | 15.512 | -0.268 | 15.536 | -0.342 | 15.556 | -0.435 | 19.350 | 0.396 | 19.369 | 0.496 | 19.391 | 0.623 | 19.414 | 0.823 |
| 15.578 | -0.529 | 15.601 | -0.603 | 15.620 | -0.650 | 15.646 | -0.644 | 19.432 | 0.976 | 19.451 | 1.142 | 19.470 | 1.289 | 19.494 | 1.349 |
| 15.655 | -0.585 | 15.676 | -0.520 | 15.693 | -0.468 | 15.712 | -0.409 | 19.522 | 1.369 | 19.552 | 1.350 | 19.577 | 1.270 | 19.606 | 1.171 |
| 15.729 | -0.370 | 15.752 | -0.304 | 15.774 | -0.266 | 15.792 | -0.247 | 19.583 | 1.092 | 19.608 | 1.039 | 19.637 | 0.965 | 19.722 | 0.858 |
| 15.810 | -0.267 | 15.833 | -0.355 | 15.847 | -0.435 | 15.864 | -0.503 | 19.755 | 0.731 | 19.785 | 0.605 | 19.814 | 0.531 | 19.836 | 0.504 |
| 15.884 | -0.557 | 15.906 | -0.585 | 15.919 | -0.533 | 15.935 | -0.434 | 19.855 | 0.497 | 19.880 | 0.563 | 19.918 | 0.656 | 19.932 | 0.716 |
| 15.967 | -0.323 | 15.997 | -0.218 | 16.025 | -0.120 | 16.054 | -0.055 | 19.957 | 0.782 | 19.980 | 0.875 | 20.000 | 1.001 | 20.025 | 1.127 |
| 16.070 | 0.078 | 16.088 | 0.164 | 16.105 | 0.270 | 16.121 | 0.396 | 20.044 | 1.246 | 20.062 | 1.326 | 20.077 | 1.379 | 20.106 | 1.465 |
| 16.140 | 0.345 | 16.149 | 0.442 | 16.169 | 0.409 | 16.187 | 0.348 | 20.128 | 1.551 | 20.153 | 1.624 | 20.163 | 1.697 | 20.183 | 1.764 |
| 16.204 | 0.355 | 16.231 | 0.408 | 16.244 | 0.481 | 16.251 | 0.521 | 20.195 | 1.830 | 20.222 | 1.823 | 20.238 | 1.803 | 20.256 | 1.710 |
| 16.269 | 0.534 | 16.285 | 0.514 | 16.308 | 0.455 | 16.324 | 0.402 | 20.276 | 1.630 | 20.303 | 1.490 | 20.326 | 1.424 | 20.355 | 1.337 |
| 16.347 | 0.329 | 16.372 | 0.289 | 16.395 | 0.283 | 16.418 | 0.309 | 20.384 | 1.224 | 20.405 | 1.131 | 20.423 | 1.057 | 20.443 | 1.017 |
| 16.434 | 0.369 | 16.451 | 0.476 | 16.468 | 0.642 | 16.489 | 0.894 | 20.464 | 0.938 | 20.493 | 0.812 | 20.512 | 0.739 | 20.530 | 0.640 |
| 16.506 | 1.140 | 16.519 | 1.300 | 16.540 | 1.486 | 16.558 | 1.539 | 20.552 | 0.594 | 20.579 | 0.587 | 20.601 | 0.614 | 20.621 | 0.648 |
| 16.580 | 1.506 | 16.603 | 1.486 | 16.628 | 1.499 | 16.643 | 1.565 | 20.636 | 0.661 | 20.661 | 0.636 | 20.687 | 0.603 | 20.711 | 0.557 |
| 16.664 | 1.664 | 16.675 | 1.625 | 16.689 | 1.585 | 16.709 | 1.413 | 20.734 | 0.511 | 20.762 | 0.465 | 20.793 | 0.393 | 20.817 | 0.334 |
| 16.728 | 1.227 | 16.746 | 1.134 | 16.766 | 1.107 | 16.776 | 1.160 | 20.848 | 0.222 | 20.879 | 0.129 | 20.901 | -0.003 | 20.919 | -0.156 |
| 16.794 | 1.293 | 16.802 | 1.293 | 16.814 | 1.273 | 16.838 | 1.266 | 20.938 | -0.222 | 20.958 | -0.340 | 20.985 | -0.401 | 21.008 | -0.487 |
| 16.858 | 1.300 | 16.874 | 1.400 | 16.889 | 1.519 | 16.897 | 1.599 | 21.036 | -0.606 | 21.061 | -0.752 | 21.091 | -0.864 | 21.112 | -0.971 |
| 16.911 | 1.739 | 16.923 | 1.819 | 16.936 | 1.839 | 16.953 | 1.861 | 21.136 | -1.097 | 21.158 | -1.183 | 21.175 | -1.203 | 21.196 | -1.216 |
| 16.969 | 1.719 | 16.977 | 1.653 | 16.987 | 1.633 | 16.997 | 1.613 | 21.219 | -0.209 | 21.245 | -1.175 | 21.263 | -1.129 | 21.284 | -0.876 |
| 17.014 | 1.554 | 17.023 | 1.481 | 17.034 | 1.348 | 17.049 | 1.069 | 21.308 | -0.983 | 21.329 | -0.924 | 21.348 | -0.891 | 21.370 | -0.811 |
| | | | | | | | | 21.391 | -0.738 | 21.413 | -0.699 | 21.432 | -0.646 | 21.453 | -0.586 |

| | | | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 21.471 | -0.500 | 21.488 | -0.407 | 21.505 | -0.315 | 21.520 | -0.195 | 26.213 | 0.441 | 26.243 | 0.474 | 26.270 | 0.507 | 26.294 | 0.539 |
| 21.547 | -0.142 | 21.559 | -0.063 | 21.582 | -0.037 | 21.596 | -0.017 | 26.319 | 0.592 | 26.342 | 0.631 | 26.360 | 0.677 | 26.379 | 0.677 |
| 21.622 | -0.031 | 21.635 | -0.064 | 21.660 | -0.191 | 21.680 | -0.357 | 26.398 | 0.670 | 26.424 | 0.643 | 26.446 | 0.623 | 26.470 | 0.616 |
| 21.702 | -0.463 | 21.726 | -0.650 | 21.750 | -0.829 | 21.772 | -0.982 | 26.488 | 0.635 | 26.518 | 0.648 | 26.549 | 0.668 | 26.579 | 0.682 |
| 21.792 | -1.155 | 21.808 | -1.242 | 21.829 | -1.328 | 21.858 | -1.328 | 26.602 | 0.582 | 26.627 | 0.702 | 26.648 | 0.715 | 26.670 | 0.748 |
| 21.887 | -1.268 | 21.905 | -1.255 | 21.934 | -1.201 | 21.971 | -1.141 | 26.695 | 0.808 | 26.714 | 0.868 | 26.736 | 0.908 | 26.758 | 0.914 |
| 22.005 | -1.114 | 22.034 | -1.094 | 22.051 | -1.061 | 22.074 | -1.067 | 26.788 | 0.908 | 26.817 | 0.888 | 26.836 | 0.868 | 26.859 | 0.848 |
| 22.099 | -0.993 | 22.126 | -0.913 | 22.142 | -0.833 | 22.172 | -0.793 | 26.883 | 0.821 | 26.912 | 0.795 | 26.931 | 0.775 | 26.958 | 0.775 |
| 22.207 | -0.766 | 22.236 | -0.745 | 22.268 | -0.725 | 22.292 | -0.678 | 26.980 | 0.768 | 26.998 | 0.748 | 27.020 | 0.748 | 27.049 | 0.748 |
| 22.326 | -0.584 | 22.345 | -0.497 | 22.374 | -0.443 | 22.408 | -0.369 | 27.068 | 0.755 | 27.091 | 0.755 | 27.120 | 0.715 | 27.148 | 0.648 |
| 22.447 | -0.334 | 22.473 | -0.334 | 22.512 | -0.273 | 22.540 | -0.245 | 27.168 | 0.609 | 27.192 | 0.595 | 27.212 | 0.615 | 27.234 | 0.635 |
| 22.568 | -0.144 | 22.598 | -0.036 | 22.624 | 0.111 | 22.654 | 0.278 | 27.256 | 0.648 | 27.284 | 0.622 | 27.310 | 0.569 | 27.331 | 0.516 |
| 22.676 | 0.432 | 22.701 | 0.620 | 22.736 | 0.794 | 22.766 | 0.988 | 27.360 | 0.509 | 27.379 | 0.522 | 27.396 | 0.522 | 27.425 | 0.502 |
| 22.798 | 1.103 | 22.822 | 1.191 | 22.850 | 1.232 | 22.868 | 1.319 | 27.449 | 0.669 | 27.475 | 0.616 | 27.503 | 0.376 | 27.528 | 0.343 |
| 22.889 | 1.380 | 22.913 | 1.421 | 22.931 | 1.375 | 22.957 | 1.310 | 27.551 | 0.316 | 27.584 | 0.269 | 27.615 | 0.209 | 27.636 | 0.169 |
| 22.987 | 1.138 | 23.015 | 0.940 | 23.040 | 0.735 | 23.066 | 0.517 | 27.662 | 0.102 | 27.681 | 0.062 | 27.705 | 0.015 | 27.730 | -0.039 |
| 23.097 | 0.378 | 23.136 | 0.207 | 23.167 | 0.075 | 23.199 | -0.017 | 27.751 | -0.092 | 27.783 | -0.159 | 27.809 | -0.220 | 27.838 | -0.260 |
| 23.236 | -0.064 | 23.269 | -0.038 | 23.291 | 0.021 | 23.315 | 0.120 | 27.863 | -0.301 | 27.885 | -0.314 | 27.917 | -0.315 | 27.945 | -0.316 |
| 23.343 | 0.184 | 23.361 | 0.230 | 23.369 | 0.256 | 23.386 | 0.336 | 27.966 | -0.336 | 27.997 | -0.357 | 28.016 | -0.364 | 28.039 | -0.399 |
| *23.398 | 0.403 | 23.411 | 0.462 | 23.423 | 0.536 | 23.440 | 0.582 | 28.060 | -0.439 | 28.083 | -0.534 | 28.107 | -0.561 | 28.131 | -0.589 |
| 23.465 | 0.695 | 23.479 | 0.761 | 23.492 | 0.808 | 23.504 | 0.861 | 28.159 | -0.645 | 28.188 | -0.700 | 28.211 | -0.714 | 28.238 | -0.709 |
| 23.516 | 0.908 | 23.533 | 0.941 | 23.545 | 0.941 | 23.562 | 0.934 | 28.259 | -0.696 | 28.279 | -0.677 | 28.300 | -0.677 | 28.318 | -0.683 |
| 23.578 | 0.921 | 23.592 | 0.914 | 23.609 | 0.908 | 23.624 | 0.914 | 28.347 | -0.696 | 28.378 | -0.716 | 28.398 | -0.728 | 28.422 | -0.701 |
| 23.644 | 0.914 | 23.654 | 0.921 | 23.669 | 0.934 | 23.685 | 0.941 | 28.444 | -0.687 | 28.461 | -0.674 | 28.481 | -0.667 | 28.509 | -0.673 |
| 23.701 | 0.934 | 23.714 | 0.908 | 23.729 | 0.881 | 23.751 | 0.854 | 28.545 | -0.738 | 28.571 | -0.790 | 28.603 | -0.856 | 28.626 | -0.889 |
| 23.824 | 0.741 | 23.834 | 0.755 | 23.849 | 0.768 | 23.862 | 0.788 | 28.651 | -0.875 | 28.675 | -0.854 | 28.700 | -0.821 | 28.722 | -0.761 |
| 23.875 | 0.815 | 23.893 | 0.848 | 23.910 | 0.874 | 23.928 | 0.914 | 28.744 | -0.707 | 28.756 | -0.660 | 28.774 | -0.614 | 28.794 | -0.587 |
| 23.945 | 0.941 | 23.960 | 0.961 | 23.983 | 0.934 | 24.001 | 0.908 | 28.810 | -0.554 | 28.824 | -0.534 | 28.835 | -0.521 | 28.850 | -0.521 |
| 24.018 | 0.874 | 24.036 | 0.841 | 24.053 | 0.835 | 24.076 | 0.815 | 28.870 | -0.548 | 28.896 | -0.594 | 28.919 | -0.621 | 28.941 | -0.647 |
| 24.095 | 0.795 | 24.114 | 0.741 | 24.129 | 0.655 | 24.148 | 0.575 | 28.965 | -0.674 | 28.997 | -0.720 | 29.022 | -0.734 | 29.040 | -0.727 |
| 24.164 | 0.476 | 24.180 | 0.403 | 24.195 | 0.336 | 24.214 | 0.270 | 29.060 | -0.714 | 29.079 | -0.680 | 29.092 | -0.654 | 29.108 | -0.621 |
| 24.240 | 0.151 | 24.260 | 0.071 | 24.280 | -0.009 | 24.300 | -0.101 | 29.124 | -0.587 | 29.139 | -0.561 | 29.162 | -0.528 | 29.188 | -0.501 |
| 24.326 | -0.181 | 24.350 | -0.260 | 24.377 | -0.347 | 24.402 | -0.446 | 29.211 | -0.468 | 29.235 | -0.435 | 29.268 | -0.355 | 29.300 | -0.308 |
| 24.427 | -0.352 | 24.445 | -0.618 | 24.470 | -0.711 | 24.492 | -0.790 | 29.328 | -0.275 | 29.354 | -0.275 | 29.376 | -0.242 | 29.414 | -0.136 |
| 24.515 | -0.983 | 24.542 | -0.936 | 24.563 | -0.948 | 24.590 | -0.955 | 29.435 | -0.023 | 29.454 | 0.037 | 29.473 | 0.123 | 29.497 | 0.183 |
| 24.630 | -0.934 | 24.630 | -0.901 | 24.650 | -0.861 | 24.667 | -0.821 | 29.524 | 0.242 | 29.547 | 0.289 | 29.571 | 0.322 | 29.595 | 0.395 |
| 24.687 | -0.807 | 24.711 | -0.787 | 24.731 | -0.767 | 24.751 | -0.707 | 29.617 | 0.474 | 29.640 | 0.547 | 29.667 | 0.627 | 29.693 | 0.646 |
| 24.770 | -0.654 | 24.790 | -0.574 | 24.807 | -0.508 | 24.824 | -0.455 | 29.725 | 0.672 | 29.767 | 0.685 | 29.814 | 0.691 | 29.846 | 0.717 |
| 24.839 | -0.415 | 24.856 | -0.375 | 24.869 | -0.342 | 24.885 | -0.348 | 29.872 | 0.744 | 29.906 | 0.776 | 29.930 | 0.809 | 29.958 | 0.829 |
| 24.911 | -0.388 | 24.930 | -0.461 | 24.946 | -0.501 | 24.969 | -0.527 | 29.980 | 0.816 | 30.011 | 0.762 | 30.046 | 0.676 | 30.077 | 0.629 |
| 24.989 | -0.560 | 25.013 | -0.600 | 25.034 | -0.619 | 25.056 | -0.639 | 30.095 | 0.636 | 30.131 | 0.675 | 30.156 | 0.742 | 30.177 | 0.748 |
| 25.079 | -0.665 | 25.101 | -0.698 | 25.122 | -0.724 | 25.139 | -0.730 | 30.204 | 0.755 | 30.225 | 0.748 | 30.260 | 0.722 | 30.305 | 0.695 |
| 25.162 | -0.743 | 25.188 | -0.755 | 25.210 | -0.768 | 25.225 | -0.754 | 30.422 | 0.702 | 30.444 | 0.675 | 30.477 | 0.629 | 30.501 | 0.562 |
| 25.248 | -0.713 | 25.266 | -0.699 | 25.290 | -0.705 | 25.304 | -0.711 | 30.527 | 0.522 | 30.560 | 0.482 | 30.589 | 0.456 | 30.611 | 0.456 |
| 25.324 | -0.717 | 25.343 | -0.702 | 25.358 | -0.675 | 25.377 | -0.628 | 30.632 | 0.436 | 30.658 | 0.423 | 30.675 | 0.409 | 30.698 | 0.429 |
| 25.391 | -0.601 | 25.410 | -0.600 | 25.433 | -0.613 | 25.452 | -0.652 | 30.726 | 0.469 | 30.753 | 0.529 | 30.775 | 0.562 | 30.794 | 0.575 |
| 25.477 | -0.584 | 25.509 | -0.696 | 25.536 | -0.702 | 25.558 | -0.702 | 30.816 | 0.609 | 30.839 | 0.615 | 30.861 | 0.602 | 30.885 | 0.582 |
| 25.583 | -0.715 | 25.602 | -0.734 | 25.628 | -0.734 | 25.648 | -0.727 | 30.915 | 0.535 | 30.944 | 0.475 | 30.963 | 0.415 | 30.991 | 0.382 |
| 25.679 | -0.720 | 25.701 | -0.727 | 25.721 | -0.714 | 25.742 | -0.707 | 31.029 | 0.335 | 31.059 | 0.255 | 31.097 | 0.175 | 31.146 | 0.035 |
| 25.764 | -0.694 | 25.784 | -0.674 | 25.807 | -0.641 | 25.830 | -0.621 | 31.179 | 0.078 | 31.209 | -0.211 | 31.239 | -0.251 | 31.276 | -0.351 |
| 25.846 | -0.574 | 25.865 | -0.508 | 25.882 | -0.461 | 25.897 | -0.401 | 31.299 | -0.424 | 31.329 | -0.457 | 31.357 | -0.544 | 31.387 | -0.664 |
| 25.917 | -0.348 | 25.933 | -0.315 | 25.955 | -0.308 | 25.972 | -0.244 | 31.411 | -0.796 | 31.441 | -0.895 | 31.464 | -0.975 | 31.489 | -1.007 |
| 25.994 | -0.169 | 26.008 | -0.109 | 26.025 | -0.029 | 26.039 | 0.049 | 31.522 | -1.013 | 31.551 | -1.013 | 31.573 | -1.046 | 31.600 | -1.025 |
| 26.050 | 0.077 | 26.067 | 0.130 | 26.086 | 0.197 | 26.111 | 0.270 | 31.626 | -0.978 | 31.650 | -0.938 | 31.666 | -0.897 | 31.695 | -0.850 |
| 26.126 | 0.303 | 26.145 | 0.342 | 26.167 | 0.395 | 26.190 | 0.422 | 31.714 | -0.796 | 31.733 | -0.743 | 31.765 | -0.715 | 31.783 | -0.695 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 31.810 | -0.675 | 31.825 | -0.655 | 31.847 | -0.655 | 31.870 | -0.694 | 37.777 | 0.138 | 37.799 | 0.106 | 37.816 | 0.074 | 37.835 | 0.035 |
| 31.903 | -0.734 | 31.932 | -0.754 | 31.950 | -0.754 | 31.980 | -0.707 | 37.854 | -0.011 | 37.874 | -0.057 | 37.895 | -0.069 | 37.922 | -0.068 |
| 32.009 | -0.667 | 32.038 | -0.634 | 32.076 | -0.601 | 32.115 | -0.581 | 37.939 | -0.047 | 37.962 | -0.006 | 37.986 | 0.008 | 38.008 | -0.004 |
| 32.159 | -0.554 | 32.189 | -0.520 | 32.229 | -0.473 | 32.265 | -0.439 | 38.029 | -0.010 | 38.049 | -0.023 | 38.073 | -0.035 | 38.097 | -0.048 |
| 32.294 | -0.419 | 32.325 | -0.412 | 32.356 | -0.423 | 32.405 | -0.437 | 38.115 | -0.067 | 38.134 | -0.086 | 38.155 | -0.132 | 38.182 | -0.171 |
| 32.470 | -0.435 | 32.513 | -0.433 | 32.552 | -0.438 | 32.578 | -0.410 | 38.201 | -0.190 | 38.224 | -0.203 | 38.246 | -0.195 | 38.267 | -0.208 |
| 32.606 | -0.375 | 32.634 | -0.320 | 32.665 | -0.299 | 32.705 | -0.277 | 38.287 | -0.227 | 38.309 | -0.279 | 38.327 | -0.338 | 38.346 | -0.384 |
| 32.742 | -0.242 | 32.773 | -0.187 | 32.798 | -0.140 | 32.828 | -0.113 | 38.364 | -0.443 | 38.380 | -0.495 | 38.411 | -0.574 | 38.441 | -0.592 |
| 32.863 | -0.058 | 32.893 | 0.009 | 32.922 | 0.076 | 32.949 | 0.137 | 38.471 | -0.604 | 38.495 | -0.603 | 38.519 | -0.602 | 38.528 | -0.588 |
| 32.974 | 0.231 | 32.995 | 0.311 | 33.021 | 0.405 | 33.042 | 0.479 | 38.550 | -0.567 | 38.569 | -0.566 | 38.589 | -0.592 | 38.608 | -0.591 |
| 33.063 | 0.566 | 33.084 | 0.620 | 33.108 | 0.728 | 33.126 | 0.815 | 38.632 | -0.603 | 38.649 | -0.615 | 38.674 | -0.614 | 38.683 | -0.613 |
| 33.145 | 0.862 | 33.171 | 0.916 | 33.195 | 0.951 | 33.223 | 0.978 | 38.700 | -0.619 | 38.720 | -0.625 | 38.740 | -0.650 | 38.765 | -0.689 |
| 33.254 | 0.972 | 33.286 | 0.966 | 33.323 | 0.920 | 33.358 | 0.861 | 38.787 | -0.715 | 38.809 | -0.733 | 38.824 | -0.746 | 38.844 | -0.765 |
| 33.392 | 0.801 | 33.429 | 0.748 | 33.465 | 0.722 | 33.512 | 0.715 | 38.864 | -0.791 | 38.887 | -0.809 | 38.908 | -0.788 | 38.928 | -0.748 |
| 33.550 | 0.715 | 33.588 | 0.741 | 33.631 | 0.755 | 33.665 | 0.748 | 38.946 | -0.694 | 38.975 | -0.619 | 39.001 | -0.585 | 39.028 | -0.557 |
| 33.697 | 0.728 | 33.744 | 0.675 | 33.794 | 0.622 | 33.847 | 0.569 | 39.052 | -0.522 | 39.078 | -0.488 | 39.104 | -0.461 | 39.129 | -0.426 |
| 33.885 | 0.509 | 33.928 | 0.476 | 33.989 | 0.443 | 34.030 | 0.430 | 39.152 | -0.405 | 39.176 | -0.358 | 39.204 | -0.317 | 39.230 | -0.269 |
| 34.075 | 0.397 | 34.110 | 0.344 | 34.137 | 0.311 | 34.179 | 0.272 | 39.259 | -0.235 | 39.284 | -0.221 | 39.310 | -0.180 | 39.335 | -0.146 |
| 34.205 | 0.279 | 34.224 | 0.300 | 34.244 | 0.300 | 34.271 | 0.281 | 39.357 | -0.125 | 39.385 | -0.078 | 39.409 | -0.044 | 39.430 | 0.017 |
| 34.312 | 0.242 | 34.349 | 0.204 | 34.387 | 0.185 | 34.412 | 0.179 | 39.459 | 0.058 | 39.485 | 0.059 | 39.509 | 0.046 | 39.537 | 0.014 |
| 34.437 | 0.180 | 34.476 | 0.194 | 34.517 | 0.162 | 34.551 | 0.130 | 39.560 | 0.002 | 39.592 | -0.010 | 39.616 | -0.016 | 39.643 | -0.022 |
| 34.582 | 0.065 | 34.624 | -0.020 | 34.658 | -0.057 | 34.687 | 0.156 | 39.668 | -0.028 | 39.697 | -0.014 | 39.726 | 0.006 | 39.760 | 0.027 |
| 34.713 | -0.194 | 34.737 | -0.219 | 34.758 | -0.244 | 34.801 | -0.348 | 39.794 | 0.061 | 39.835 | 0.129 | 39.866 | 0.163 | 39.901 | 0.197 |
| 34.828 | -0.406 | 34.872 | -0.477 | 34.907 | -0.582 | 34.938 | -0.660 | 39.928 | 0.184 | 39.957 | 0.198 | 39.983 | 0.212 | 40.014 | 0.252 |
| 34.960 | -0.705 | 34.988 | -0.797 | 35.015 | -0.882 | 35.048 | -0.934 | 40.038 | 0.313 | 40.063 | 0.347 | 40.088 | 0.374 | 40.108 | 0.421 |
| 35.076 | -0.932 | 35.088 | -0.932 | 35.106 | -0.931 | 35.116 | -0.918 | 40.130 | 0.482 | 40.150 | 0.542 | 40.173 | 0.570 | 40.194 | 0.577 |
| 35.139 | -0.897 | 35.169 | -0.889 | 35.191 | -0.862 | 35.218 | -0.854 | 40.212 | 0.577 | 40.238 | 0.558 | 40.267 | 0.533 | 40.299 | 0.514 |
| 35.237 | -0.854 | 35.250 | -0.833 | 35.262 | -0.833 | 35.273 | -0.839 | 40.332 | 0.495 | 40.359 | 0.496 | 40.380 | 0.497 | 40.402 | 0.497 |
| 35.291 | -0.852 | 35.305 | -0.865 | 35.324 | -0.871 | 35.349 | -0.863 | 40.424 | 0.498 | 40.444 | 0.499 | 40.466 | 0.506 | 40.492 | 0.514 |
| 35.379 | -0.821 | 35.405 | -0.821 | 35.432 | -0.787 | 35.454 | -0.746 | 40.518 | 0.548 | 40.544 | 0.583 | 40.564 | 0.617 | 40.591 | 0.644 |
| 35.476 | -0.712 | 35.500 | -0.678 | 35.528 | -0.630 | 35.551 | -0.596 | 40.616 | 0.639 | 40.647 | 0.614 | 40.678 | 0.582 | 40.712 | 0.510 |
| 35.569 | -0.549 | 35.593 | -0.501 | 35.617 | -0.474 | 35.638 | -0.433 | 40.731 | 0.478 | 40.756 | 0.432 | 40.785 | 0.420 | 40.812 | 0.395 |
| 35.673 | -0.385 | 35.693 | -0.384 | 35.718 | -0.376 | 35.745 | -0.361 | 40.841 | 0.389 | 40.866 | 0.383 | 40.896 | 0.371 | 40.921 | 0.358 |
| 35.772 | -0.333 | 35.801 | -0.311 | 35.828 | -0.289 | 35.856 | -0.261 | 40.950 | 0.319 | 40.980 | 0.280 | 41.009 | 0.247 | 41.035 | 0.215 |
| 35.881 | -0.220 | 35.900 | -0.193 | 35.927 | -0.112 | 35.951 | -0.064 | 41.067 | 0.195 | 41.095 | 0.156 | 41.126 | 0.109 | 41.159 | 0.043 |
| 35.979 | -0.016 | 36.004 | -0.028 | 36.022 | -0.040 | 36.041 | -0.066 | 41.190 | 0.004 | 41.219 | -0.023 | 41.251 | -0.022 | 41.279 | -0.002 |
| 36.061 | -0.065 | 36.082 | -0.078 | 36.102 | -0.104 | 36.122 | -0.123 | 41.303 | 0.018 | 41.327 | 0.032 | 41.354 | 0.026 | 41.376 | 0.006 |
| 36.143 | -0.152 | 36.165 | -0.188 | 36.189 | -0.200 | 36.216 | -0.186 | 41.401 | -0.007 | 41.430 | -0.006 | 41.453 | -0.012 | 41.479 | -0.024 |
| 36.238 | -0.152 | 36.275 | -0.091 | 36.302 | -0.036 | 36.330 | 0.005 | 41.498 | -0.044 | 41.518 | -0.069 | 41.539 | -0.122 | 41.558 | -0.154 |
| 36.359 | 0.026 | 36.385 | 0.053 | 36.413 | 0.075 | 36.433 | 0.109 | 41.589 | -0.213 | 41.619 | -0.278 | 41.657 | -0.369 | 41.689 | -0.435 |
| 36.458 | 0.123 | 36.482 | 0.131 | 36.511 | 0.113 | 36.534 | 0.114 | 41.717 | -0.447 | 41.744 | -0.426 | 41.777 | -0.418 | 41.811 | -0.444 |
| 36.552 | 0.102 | 36.571 | 0.110 | 36.586 | 0.151 | 36.606 | 0.225 | 41.840 | -0.456 | 41.872 | -0.483 | 41.901 | -0.502 | 41.936 | -0.509 |
| 36.620 | 0.259 | 36.641 | 0.333 | 36.664 | 0.428 | 36.684 | 0.536 | 41.959 | -0.508 | 41.985 | -0.515 | 42.015 | -0.528 | 42.040 | -0.528 |
| 36.703 | 0.630 | 36.722 | 0.704 | 36.742 | 0.765 | 36.764 | 0.840 | 42.053 | -0.527 | 42.067 | -0.527 | 42.080 | -0.527 | 42.102 | -0.527 |
| 36.788 | 0.895 | 36.809 | 0.916 | 36.825 | 0.891 | 36.843 | 0.838 | 42.124 | -0.520 | 42.144 | -0.513 | 42.164 | -0.513 | 42.190 | -0.513 |
| 36.861 | 0.786 | 36.882 | 0.714 | 36.901 | 0.668 | 36.927 | 0.656 | 42.210 | -0.506 | 42.230 | -0.506 | 42.253 | -0.526 | 42.282 | -0.545 |
| 36.944 | 0.644 | 36.971 | 0.652 | 36.988 | 0.653 | 37.007 | 0.680 | 42.313 | -0.557 | 42.335 | -0.570 | 42.363 | -0.535 | 42.392 | -0.528 |
| 37.032 | 0.748 | 37.056 | 0.789 | 37.071 | 0.777 | 37.093 | 0.758 | 42.417 | -0.514 | 42.445 | -0.493 | 42.476 | -0.465 | 42.501 | -0.437 |
| 37.116 | 0.765 | 37.144 | 0.787 | 37.162 | 0.788 | 37.186 | 0.769 | 42.531 | -0.409 | 42.560 | -0.381 | 42.587 | -0.354 | 42.621 | -0.332 |
| 37.204 | 0.750 | 37.227 | 0.711 | 37.246 | 0.659 | 37.268 | 0.607 | 42.622 | -0.332 | 42.648 | -0.331 | 42.675 | -0.318 | 42.705 | -0.277 |
| 37.287 | 0.562 | 37.311 | 0.530 | 37.334 | 0.518 | 37.354 | 0.520 | 42.743 | -0.223 | 42.771 | -0.203 | 42.794 | -0.176 | 42.827 | -0.142 |
| 37.372 | 0.508 | 37.393 | 0.482 | 37.411 | 0.470 | 37.433 | 0.452 | 42.854 | -0.122 | 42.881 | -0.108 | 42.906 | -0.075 | 42.927 | -0.041 |
| 37.453 | 0.413 | 37.469 | 0.381 | 37.494 | 0.316 | 37.511 | 0.277 | 42.951 | -0.027 | 42.975 | -0.014 | 43.000 | -0.020 | 43.020 | -0.033 |
| 37.532 | 0.252 | 37.552 | 0.226 | 37.570 | 0.187 | 37.587 | 0.155 | 43.042 | -0.046 | 43.067 | -0.051 | 43.089 | -0.037 | 43.113 | -0.023 |
| 37.614 | 0.137 | 37.630 | 0.138 | 37.646 | 0.138 | 37.670 | 0.153 | 43.131 | -0.009 | 43.151 | 0.019 | 43.183 | 0.067 | 43.219 | 0.102 |
| 37.695 | 0.141 | 37.717 | 0.142 | 37.732 | 0.149 | 37.749 | 0.157 | 43.253 | 0.150 | 43.279 | 0.204 | 43.304 | 0.259 | 43.323 | 0.300 |

| | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 43.342 | 0.327 | 43.362 | 0.335 | 43.382 | 0.349 | 43.401 | 0.357 |
| 43.423 | 0.358 | 43.447 | 0.359 | 43.463 | 0.360 | 43.471 | 0.360 |
| 43.499 | 0.381 | 43.523 | 0.388 | 43.524 | 0.389 | 43.544 | 0.409 |
| 43.574 | 0.430 | 43.597 | 0.451 | 43.625 | 0.459 | 43.646 | 0.459 |
| 43.686 | 0.454 | 43.713 | 0.441 | 43.750 | 0.429 | 43.774 | 0.443 |
| 43.794 | 0.451 | 43.811 | 0.465 | 43.833 | 0.472 | 43.855 | 0.473 |
| 43.877 | 0.467 | 43.894 | 0.467 | 43.911 | 0.468 | 43.928 | 0.468 |
| 43.944 | 0.449 | 43.962 | 0.430 | 43.982 | 0.404 | 44.003 | 0.398 |
| 44.029 | 0.405 | 44.055 | 0.433 | 44.077 | 0.453 | 44.101 | 0.461 |
| 44.131 | 0.448 | 44.151 | 0.449 | 44.171 | 0.430 | 44.200 | 0.418 |
| 44.226 | 0.418 | 44.254 | 0.406 | 44.280 | 0.406 | 44.309 | 0.374 |
| 44.333 | 0.334 | 44.359 | 0.308 | 44.384 | 0.282 | 44.418 | 0.263 |
| 44.440 | 0.250 | 44.465 | 0.243 | 44.486 | 0.211 | 44.499 | 0.217 |
| 44.523 | 0.205 | 44.550 | 0.192 | 44.579 | 0.159 | 44.608 | 0.126 |
| 44.633 | 0.120 | 44.654 | 0.094 | 44.691 | 0.075 | 44.712 | 0.069 |
| 44.738 | 0.056 | 44.763 | 0.057 | 44.793 | 0.038 | 44.819 | 0.026 |
| 44.851 | -0.006 | 44.873 | -0.039 | 44.899 | -0.091 | 44.924 | -0.130 |
| 44.949 | -0.163 | 44.972 | -0.188 | 44.994 | -0.234 | 45.022 | -0.293 |
| 45.051 | -0.318 | 45.069 | -0.351 | 45.096 | -0.369 | 45.119 | -0.401 |
| 45.143 | -0.422 | 45.173 | -0.477 | 45.196 | -0.515 | 45.220 | -0.560 |
| 45.238 | -0.606 | 45.259 | -0.631 | 45.280 | -0.649 | 45.305 | -0.668 |
| 45.326 | -0.680 | 45.357 | -0.658 | 45.381 | -0.629 | 45.405 | -0.601 |
| 45.437 | -0.579 | 45.468 | -0.571 | 45.490 | -0.570 | 45.519 | -0.569 |
| 45.556 | -0.568 | 45.587 | -0.546 | 45.626 | -0.531 | 45.652 | -0.497 |
| 45.675 | -0.469 | 45.699 | -0.448 | 45.731 | -0.413 | 45.754 | -0.412 |
| 45.774 | -0.411 | 45.799 | -0.423 | 45.823 | -0.422 | 45.841 | -0.414 |
| 45.867 | -0.400 | 45.897 | -0.358 | 45.923 | -0.337 | 45.948 | -0.316 |
| 45.964 | -0.295 | 45.981 | -0.268 | 45.998 | -0.260 | 46.013 | -0.246 |
| 46.039 | -0.219 | 46.059 | -0.178 | 46.086 | -0.157 | 46.103 | -0.137 |
| 46.120 | -0.130 | 46.134 | -0.129 | 46.151 | -0.115 | 46.168 | -0.101 |
| 46.191 | -0.094 | 46.220 | -0.067 | 46.248 | -0.052 | 46.272 | -0.038 |
| 46.295 | -0.036 | 46.314 | -0.022 | 46.336 | -0.021 | 46.358 | -0.019 |
| 46.378 | -0.018 | 46.400 | -0.017 | 46.426 | -0.022 | 46.450 | -0.027 |
| 46.477 | -0.018 | 46.497 | -0.016 | 46.519 | -0.014 | 46.542 | 0.002 |
| 46.563 | 0.024 | 46.584 | 0.052 | 46.604 | 0.074 | 46.626 | 0.083 |
| 46.647 | 0.092 | 46.663 | 0.100 | 46.684 | 0.109 | 46.705 | 0.118 |
| 46.731 | 0.147 | 46.759 | 0.184 | 46.781 | 0.226 | 46.807 | 0.269 |
| 46.826 | 0.298 | 46.849 | 0.335 | 46.869 | 0.371 | 46.895 | 0.415 |
| 46.913 | 0.444 | 46.937 | 0.474 | 46.954 | 0.499 | 46.976 | 0.529 |
| 47.008 | 0.542 | 47.023 | 0.542 | 47.041 | 0.542 | 47.057 | 0.562 |
| 47.073 | 0.569 | 47.082 | 0.562 | 47.125 | 0.542 | | |

N53W

47.086 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 0.7243 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.099 | 0.031 | -0.079 | 0.068 | -0.086 | 0.098 | -0.086 | 2.478 | -0.064 | 2.493 | -0.085 | 2.506 | -0.119 | 2.519 | -0.127 |
| 0.129 | -0.093 | 0.153 | -0.086 | 0.180 | -0.093 | 0.200 | -0.093 | 2.535 | -0.120 | 2.548 | -0.120 | 2.559 | -0.120 | 2.564 | -0.134 |
| 0.219 | -0.093 | 0.243 | -0.087 | 0.257 | -0.066 | 0.278 | -0.074 | 2.571 | -0.141 | 2.586 | -0.107 | 2.601 | -0.107 | 2.625 | -0.087 |
| 0.297 | -0.060 | 0.319 | -0.081 | 0.338 | -0.081 | 0.358 | -0.116 | 2.647 | -0.088 | 2.667 | -0.081 | 2.678 | -0.089 | 2.685 | -0.089 |
| 0.379 | -0.089 | 0.401 | -0.110 | 0.425 | -0.104 | 0.451 | -0.104 | 2.700 | -0.096 | 2.715 | -0.069 | 2.724 | -0.049 | 2.748 | -0.070 |
| 0.474 | -0.091 | 0.492 | -0.091 | 0.512 | -0.084 | 0.533 | -0.105 | 2.766 | -0.063 | 2.786 | -0.064 | 2.802 | -0.064 | 2.812 | -0.030 |
| 0.551 | -0.105 | 0.567 | -0.085 | 0.582 | -0.058 | 0.602 | -0.072 | 2.822 | -0.010 | 2.831 | -0.017 | 2.846 | -0.045 | 2.861 | -0.072 |
| 0.617 | -0.051 | 0.636 | -0.051 | 0.649 | -0.051 | 0.661 | -0.079 | 2.875 | -0.128 | 2.894 | -0.108 | 2.923 | -0.122 | 2.941 | -0.116 |
| 0.672 | -0.093 | 0.692 | -0.106 | 0.711 | -0.093 | 0.726 | -0.086 | 2.965 | -0.036 | 2.985 | -0.076 | 3.004 | -0.069 | 3.019 | -0.042 |
| 0.743 | -0.086 | 0.760 | -0.099 | 0.770 | -0.127 | 0.781 | -0.127 | 3.040 | -0.096 | 3.058 | -0.016 | 3.066 | -0.002 | 3.080 | -0.029 |
| 0.796 | -0.087 | 0.811 | -0.093 | 0.828 | -0.086 | 0.842 | -0.065 | 3.089 | -0.050 | 3.102 | -0.064 | 3.113 | -0.064 | 3.126 | -0.078 |
| 0.849 | -0.072 | 0.865 | -0.080 | 0.881 | -0.073 | 0.896 | -0.067 | 3.135 | -0.085 | 3.145 | -0.147 | 3.152 | -0.167 | 3.162 | -0.174 |
| 0.913 | -0.068 | 0.927 | -0.048 | 0.942 | -0.048 | 0.952 | -0.055 | 3.174 | -0.174 | 3.186 | -0.154 | 3.196 | -0.126 | 3.201 | -0.113 |
| 0.968 | -0.063 | 0.983 | -0.056 | 0.995 | -0.070 | 1.002 | -0.105 | 3.215 | -0.113 | 3.227 | -0.134 | 3.239 | -0.127 | 3.258 | -0.127 |
| 1.010 | -0.119 | 1.019 | -0.126 | 1.029 | -0.126 | 1.040 | -0.113 | 3.272 | -0.113 | 3.278 | -0.093 | 3.288 | -0.093 | 3.302 | -0.072 |
| 1.052 | -0.094 | 1.060 | -0.087 | 1.068 | -0.088 | 1.076 | -0.109 | 3.315 | -0.058 | 3.330 | -0.045 | 3.345 | -0.038 | 3.357 | -0.031 |
| 1.084 | -0.123 | 1.096 | -0.124 | 1.113 | -0.139 | 1.131 | -0.133 | 3.369 | -0.010 | 3.385 | -0.038 | 3.403 | -0.051 | 3.424 | -0.058 |
| 1.142 | -0.120 | 1.158 | -0.114 | 1.173 | -0.081 | 1.188 | -0.055 | 3.438 | -0.086 | 3.450 | -0.087 | 3.465 | -0.121 | 3.479 | -0.121 |
| 1.202 | -0.042 | 1.217 | -0.029 | 1.231 | -0.037 | 1.253 | -0.038 | 3.492 | -0.107 | 3.504 | -0.087 | 3.511 | -0.067 | 3.522 | -0.094 |
| 1.267 | -0.046 | 1.279 | -0.060 | 1.293 | -0.101 | 1.307 | -0.102 | 3.532 | -0.074 | 3.543 | -0.067 | 3.551 | -0.054 | 3.563 | -0.054 |
| 1.317 | -0.116 | 1.330 | -0.144 | 1.343 | -0.138 | 1.355 | -0.152 | 3.572 | -0.068 | 3.585 | -0.068 | 3.595 | -0.068 | 3.606 | -0.048 |
| 1.367 | -0.152 | 1.381 | -0.132 | 1.401 | -0.092 | 1.415 | -0.071 | 3.616 | -0.007 | 3.626 | 0.007 | 3.635 | -0.013 | 3.646 | -0.013 |
| 1.425 | -0.072 | 1.441 | -0.086 | 1.462 | -0.065 | 1.475 | -0.072 | 3.659 | 0.006 | 3.674 | -0.032 | 3.687 | -0.057 | 3.703 | -0.119 |
| 1.489 | -0.066 | 1.507 | -0.080 | 1.530 | -0.080 | 1.545 | -0.080 | 3.713 | -0.147 | 3.724 | -0.168 | 3.736 | -0.189 | 3.751 | -0.189 |
| 1.564 | -0.073 | 1.584 | -0.080 | 1.604 | -0.094 | 1.626 | -0.101 | 3.760 | -0.217 | 3.768 | -0.252 | 3.775 | -0.259 | 3.780 | -0.238 |
| 1.649 | -0.095 | 1.666 | -0.122 | 1.681 | -0.129 | 1.698 | -0.157 | 3.789 | -0.239 | 3.793 | -0.235 | 3.806 | -0.239 | 3.817 | -0.260 |
| 1.710 | -0.151 | 1.720 | -0.151 | 1.730 | -0.110 | 1.749 | -0.055 | 3.826 | -0.267 | 3.840 | -0.275 | 3.848 | -0.254 | 3.860 | -0.186 |
| 1.758 | -0.028 | 1.767 | -0.028 | 1.778 | -0.028 | 1.796 | -0.042 | 3.876 | -0.111 | 3.887 | -0.056 | 3.898 | -0.036 | 3.905 | -0.002 |
| 1.811 | -0.063 | 1.833 | -0.050 | 1.861 | -0.064 | 1.880 | -0.078 | 3.915 | 0.005 | 3.925 | 0.004 | 3.931 | -0.016 | 3.940 | -0.037 |
| 1.891 | -0.071 | 1.904 | -0.078 | 1.917 | -0.092 | 1.925 | -0.099 | 3.949 | -0.058 | 3.961 | -0.065 | 3.971 | -0.072 | 3.985 | -0.086 |
| 1.932 | -0.092 | 1.946 | -0.133 | 1.955 | -0.147 | 1.967 | -0.174 | 4.000 | -0.093 | 4.009 | -0.114 | 4.015 | -0.135 | 4.027 | -0.163 |
| 1.977 | -0.147 | 1.990 | -0.127 | 2.003 | -0.133 | 2.022 | -0.147 | 4.035 | -0.177 | 4.046 | -0.184 | 4.052 | -0.191 | 4.062 | -0.184 |
| 2.043 | -0.154 | 2.057 | -0.148 | 2.077 | -0.127 | 2.103 | -0.073 | 4.071 | -0.170 | 4.084 | -0.136 | 4.095 | -0.123 | 4.108 | -0.089 |
| 2.114 | -0.052 | 2.124 | -0.038 | 2.135 | -0.018 | 2.145 | -0.018 | 4.115 | -0.068 | 4.122 | -0.055 | 4.134 | -0.055 | 4.143 | -0.048 |
| 2.155 | -0.025 | 2.170 | -0.025 | 2.181 | -0.018 | 2.192 | -0.025 | 4.157 | -0.028 | 4.167 | -0.014 | 4.174 | -0.021 | 4.186 | -0.008 |
| 2.199 | -0.060 | 2.214 | -0.080 | 2.237 | -0.087 | 2.257 | -0.101 | 4.194 | 0.027 | 4.203 | 0.020 | 4.210 | 0.013 | 4.216 | -0.008 |
| 2.269 | -0.109 | 2.283 | -0.109 | 2.296 | -0.068 | 2.312 | -0.061 | 4.225 | -0.015 | 4.239 | -0.008 | 4.251 | -0.009 | 4.258 | -0.022 |
| 2.323 | -0.055 | 2.332 | -0.082 | 2.343 | -0.082 | 2.355 | -0.089 | 4.266 | -0.057 | 4.275 | -0.098 | 4.281 | -0.133 | 4.285 | -0.153 |
| 2.368 | -0.090 | 2.380 | -0.076 | 2.395 | -0.063 | 2.412 | -0.056 | 4.290 | -0.153 | 4.297 | -0.140 | 4.305 | -0.099 | 4.312 | -0.085 |
| 2.423 | -0.029 | 2.435 | -0.029 | 2.450 | -0.029 | 2.461 | -0.036 | 4.318 | -0.058 | 4.327 | -0.065 | 4.340 | -0.058 | 4.350 | -0.065 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 4.358 | -0.058 | 4.368 | -0.107 | 4.374 | -0.100 | 4.383 | -0.093 | 6.233 | -0.152 | 6.248 | -0.173 | 6.265 | -0.263 | 6.281 | -0.304 |
| 4.390 | -0.066 | 4.400 | -0.059 | 4.410 | -0.025 | 4.419 | 0.016 | 6.292 | -0.318 | 6.300 | -0.325 | 6.311 | -0.332 | 6.324 | -0.325 |
| 4.425 | 0.043 | 4.429 | 0.050 | 4.434 | 0.043 | 4.443 | 0.022 | 6.331 | -0.236 | 6.336 | -0.202 | 6.341 | -0.182 | 6.346 | -0.161 |
| 4.455 | -0.005 | 4.469 | -0.033 | 4.479 | -0.088 | 4.489 | -0.116 | 6.357 | -0.168 | 6.363 | -0.148 | 6.368 | -0.086 | 6.377 | -0.031 |
| 4.499 | -0.088 | 4.516 | -0.075 | 4.531 | -0.027 | 4.547 | 0.021 | 6.380 | 0.003 | 6.385 | 0.023 | 6.392 | 0.037 | 6.401 | 0.050 |
| 4.557 | 0.034 | 4.566 | 0.048 | 4.576 | 0.061 | 4.589 | 0.050 | 6.409 | 0.043 | 6.415 | 0.057 | 6.421 | 0.064 | 6.426 | 0.057 |
| 4.593 | 0.033 | 4.602 | 0.026 | 4.614 | 0.006 | 4.625 | -0.015 | 6.433 | 0.029 | 6.437 | 0.015 | 6.447 | 0.043 | 6.452 | 0.036 |
| 4.629 | -0.036 | 4.638 | -0.043 | 4.645 | -0.063 | 4.656 | -0.091 | 6.466 | 0.042 | 6.468 | 0.021 | 6.499 | 0.021 | 6.517 | -0.020 |
| 4.663 | -0.118 | 4.668 | -0.166 | 4.674 | -0.200 | 4.680 | -0.221 | 6.527 | -0.020 | 6.532 | -0.041 | 6.536 | -0.075 | 6.543 | -0.110 |
| 4.691 | -0.235 | 4.698 | -0.255 | 4.707 | -0.289 | 4.709 | -0.296 | 6.556 | -0.185 | 6.565 | -0.220 | 6.573 | -0.234 | 6.582 | -0.227 |
| 4.720 | -0.283 | 4.729 | -0.262 | 4.739 | -0.255 | 4.747 | -0.248 | 6.593 | -0.234 | 6.609 | -0.228 | 6.615 | -0.214 | 6.625 | -0.228 |
| 4.754 | -0.214 | 4.762 | -0.166 | 4.767 | -0.125 | 4.773 | -0.097 | 6.630 | -0.207 | 6.636 | -0.201 | 6.642 | -0.153 | 6.647 | -0.091 |
| 4.786 | -0.070 | 4.786 | -0.070 | 4.797 | -0.056 | 4.806 | -0.049 | 6.651 | -0.091 | 6.656 | -0.064 | 6.662 | -0.057 | 6.671 | -0.023 |
| 4.814 | -0.070 | 4.827 | -0.097 | 4.839 | -0.125 | 4.847 | -0.145 | 6.673 | 0.019 | 6.682 | 0.025 | 6.685 | 0.032 | 6.693 | 0.032 |
| 4.855 | -0.145 | 4.867 | -0.138 | 4.875 | -0.124 | 4.882 | -0.090 | 6.700 | 0.011 | 6.709 | -0.016 | 6.714 | -0.009 | 6.719 | -0.002 |
| 4.889 | -0.083 | 4.899 | -0.104 | 4.906 | -0.131 | 4.916 | -0.131 | 6.726 | 0.046 | 6.741 | 0.135 | 6.757 | 0.217 | 6.770 | 0.259 |
| 4.929 | -0.137 | 4.939 | -0.165 | 4.947 | -0.219 | 4.953 | -0.253 | 6.782 | 0.367 | 6.788 | 0.374 | 6.796 | 0.408 | 6.803 | 0.408 |
| 4.965 | -0.267 | 4.972 | -0.280 | 4.981 | -0.294 | 4.994 | -0.294 | 6.808 | 0.436 | 6.813 | 0.484 | 6.821 | 0.518 | 6.830 | 0.545 |
| 5.001 | -0.236 | 5.017 | -0.293 | 5.027 | -0.300 | 5.039 | -0.286 | 6.836 | 0.559 | 6.847 | 0.566 | 6.855 | 0.552 | 6.859 | 0.518 |
| 5.047 | -0.266 | 5.056 | -0.231 | 5.063 | -0.217 | 5.073 | -0.231 | 6.870 | 0.497 | 6.875 | 0.469 | 6.883 | 0.456 | 6.889 | 0.442 |
| 5.082 | -0.238 | 5.090 | -0.210 | 5.098 | -0.155 | 5.109 | -0.107 | 6.897 | 0.449 | 6.905 | 0.449 | 6.914 | 0.428 | 6.919 | 0.435 |
| 5.122 | -0.073 | 5.130 | -0.039 | 5.139 | -0.064 | 5.145 | 0.064 | 6.928 | 0.366 | 6.933 | 0.339 | 6.941 | 0.345 | 6.950 | 0.345 |
| 5.149 | 0.071 | 5.159 | 0.058 | 5.163 | 0.051 | 5.171 | 0.051 | 6.957 | 0.380 | 6.960 | 0.407 | 6.969 | 0.434 | 6.981 | 0.427 |
| 5.177 | 0.051 | 5.182 | 0.037 | 5.188 | 0.024 | 5.196 | 0.038 | 6.985 | 0.434 | 6.989 | 0.434 | 6.993 | 0.414 | 6.997 | 0.379 |
| 5.206 | -0.100 | 5.216 | -0.161 | 5.225 | -0.175 | 5.237 | -0.216 | 7.009 | 0.304 | 7.019 | 0.187 | 7.026 | 0.132 | 7.035 | 0.050 |
| 5.245 | -0.236 | 5.258 | -0.291 | 5.266 | -0.312 | 5.274 | -0.305 | 7.047 | -0.040 | 7.055 | -0.088 | 7.057 | -0.177 | 7.060 | -0.259 |
| 5.283 | -0.270 | 5.293 | -0.229 | 5.298 | -0.195 | 5.307 | -0.167 | 7.067 | -0.376 | 7.073 | -0.472 | 7.081 | -0.568 | 7.089 | -0.623 |
| 5.313 | -0.119 | 5.320 | -0.064 | 5.327 | -0.023 | 5.335 | -0.023 | 7.097 | -0.671 | 7.104 | -0.713 | 7.115 | -0.761 | 7.121 | -0.775 |
| 5.340 | -0.009 | 5.347 | -0.016 | 5.358 | -0.043 | 5.369 | -0.084 | 7.132 | -0.795 | 7.139 | -0.707 | 7.156 | -0.789 | 7.163 | -0.755 |
| 5.372 | -0.098 | 5.378 | -0.125 | 5.388 | -0.119 | 5.398 | -0.112 | 7.172 | -0.762 | 7.178 | -0.707 | 7.185 | -0.680 | 7.190 | -0.639 |
| 5.409 | -0.112 | 5.421 | -0.111 | 5.432 | -0.104 | 5.441 | -0.097 | 7.195 | -0.618 | 7.202 | -0.605 | 7.209 | -0.577 | 7.215 | -0.584 |
| 5.453 | -0.111 | 5.461 | -0.138 | 5.468 | -0.131 | 5.480 | -0.124 | 7.222 | -0.564 | 7.224 | -0.585 | 7.234 | -0.681 | 7.246 | -0.770 |
| 5.488 | -0.062 | 5.499 | 0.041 | 5.507 | 0.130 | 5.512 | 0.158 | 7.254 | -0.866 | 7.262 | -0.928 | 7.266 | -0.969 | 7.275 | -0.969 |
| 5.517 | 0.185 | 5.524 | 0.199 | 5.528 | 0.185 | 5.533 | 0.185 | 7.277 | -0.976 | 7.287 | -0.969 | 7.290 | -0.928 | 7.292 | -0.894 |
| 5.540 | 0.192 | 5.548 | 0.199 | 5.555 | 0.199 | 5.563 | 0.179 | 7.299 | -0.839 | 7.306 | -0.757 | 7.313 | -0.681 | 7.322 | -0.606 |
| 5.572 | 0.152 | 5.587 | 0.070 | 5.596 | 0.008 | 5.609 | -0.033 | 7.330 | -0.524 | 7.336 | -0.394 | 7.345 | -0.318 | 7.352 | -0.209 |
| 5.616 | -0.108 | 5.624 | -0.197 | 5.630 | -0.190 | 5.635 | -0.197 | 7.361 | -0.113 | 7.371 | -0.024 | 7.379 | 0.038 | 7.386 | 0.093 |
| 5.642 | -0.190 | 5.647 | -0.204 | 5.655 | -0.217 | 5.665 | -0.224 | 7.393 | 0.141 | 7.401 | 0.175 | 7.405 | 0.195 | 7.410 | 0.216 |
| 5.673 | -0.238 | 5.681 | -0.245 | 5.690 | -0.258 | 5.700 | -0.251 | 7.413 | 0.216 | 7.418 | 0.209 | 7.425 | 0.189 | 7.436 | 0.161 |
| 5.710 | -0.224 | 5.714 | -0.196 | 5.722 | -0.176 | 5.733 | -0.162 | 7.445 | 0.141 | 7.451 | 0.106 | 7.458 | 0.065 | 7.463 | 0.072 |
| 5.742 | -0.148 | 5.750 | -0.093 | 5.759 | -0.004 | 5.771 | 0.037 | 7.470 | 0.051 | 7.475 | 0.051 | 7.482 | 0.038 | 7.489 | 0.031 |
| 5.778 | 0.051 | 5.785 | 0.065 | 5.795 | 0.085 | 5.802 | 0.127 | 7.494 | 0.031 | 7.503 | 0.045 | 7.514 | 0.086 | 7.526 | 0.154 |
| 5.809 | 0.106 | 5.816 | 0.092 | 5.824 | 0.045 | 5.832 | -0.051 | 7.535 | 0.209 | 7.547 | 0.285 | 7.552 | 0.285 | 7.561 | 0.346 |
| 5.838 | -0.065 | 5.846 | -0.079 | 5.860 | -0.079 | 5.869 | -0.059 | 7.568 | 0.346 | 7.575 | 0.394 | 7.584 | 0.415 | 7.591 | 0.408 |
| 5.874 | -0.059 | 5.880 | -0.045 | 5.885 | -0.052 | 5.892 | -0.072 | 7.602 | 0.429 | 7.610 | 0.442 | 7.617 | 0.449 | 7.625 | 0.456 |
| 5.901 | -0.134 | 5.910 | -0.182 | 5.920 | -0.196 | 5.928 | -0.203 | 7.634 | 0.415 | 7.645 | 0.387 | 7.651 | 0.353 | 7.656 | 0.353 |
| 5.938 | -0.203 | 5.953 | -0.231 | 5.964 | -0.244 | 5.969 | -0.251 | 7.666 | 0.346 | 7.674 | 0.305 | 7.684 | 0.326 | 7.690 | 0.312 |
| 5.976 | -0.265 | 5.981 | -0.258 | 5.988 | -0.238 | 5.995 | -0.231 | 7.699 | 0.319 | 7.707 | 0.346 | 7.714 | 0.367 | 7.723 | 0.394 |
| 6.001 | -0.210 | 6.007 | -0.204 | 6.012 | -0.197 | 6.018 | -0.169 | 7.730 | 0.435 | 7.733 | 0.470 | 7.743 | 0.545 | 7.748 | 0.559 |
| 6.028 | -0.122 | 6.033 | -0.080 | 6.040 | -0.053 | 6.044 | -0.046 | 7.751 | 0.579 | 7.757 | 0.559 | 7.769 | 0.518 | 7.773 | 0.497 |
| 6.049 | -0.039 | 6.056 | -0.046 | 6.061 | -0.047 | 6.071 | -0.047 | 7.787 | 0.456 | 7.794 | 0.456 | 7.800 | 0.374 | 7.806 | 0.326 |
| 6.079 | -0.013 | 6.087 | 0.015 | 6.095 | 0.042 | 6.100 | 0.069 | 7.810 | 0.291 | 7.813 | 0.271 | 7.818 | 0.250 | 7.828 | 0.230 |
| 6.108 | 0.124 | 6.113 | 0.145 | 6.119 | 0.151 | 6.130 | 0.144 | 7.834 | 0.216 | 7.840 | 0.168 | 7.847 | 0.099 | 7.857 | 0.051 |
| 6.139 | 0.144 | 6.146 | 0.130 | 6.151 | 0.089 | 6.156 | 0.055 | 7.864 | -0.010 | 7.871 | -0.024 | 7.881 | -0.024 | 7.906 | -0.017 |
| 6.160 | 0.068 | 6.173 | -0.000 | 6.180 | -0.014 | 6.194 | -0.097 | 7.925 | -0.017 | 7.936 | 0.003 | 7.948 | 0.010 | 7.956 | 0.038 |
| 6.203 | -0.118 | 6.208 | -0.138 | 6.219 | -0.138 | 6.225 | -0.132 | 7.961 | 0.086 | 7.966 | 0.113 | 7.971 | 0.175 | 7.977 | 0.223 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7.985 | 0.326 | 7.990 | 0.394 | 7.996 | 0.449 | 8.000 | 0.470 | 9.469 | 0.468 | 9.473 | 0.502 | 9.480 | 0.530 | 9.485 | 0.550 |
| 8.005 | 0.504 | 8.011 | 0.531 | 8.016 | 0.538 | 8.024 | 0.545 | 9.488 | 0.550 | 9.496 | 0.557 | 9.502 | 0.523 | 9.507 | 0.495 |
| 8.029 | 0.552 | 8.035 | 0.538 | 8.039 | 0.525 | 8.041 | 0.504 | 9.511 | 0.454 | 9.520 | 0.358 | 9.525 | 0.317 | 9.532 | 0.221 |
| 8.053 | 0.394 | 8.063 | 0.312 | 8.069 | 0.243 | 8.079 | 0.175 | 9.540 | -0.033 | 9.554 | -0.033 | 9.564 | -0.037 | 9.569 | -0.081 |
| 8.087 | 0.086 | 8.094 | 0.017 | 8.097 | -0.045 | 8.102 | -0.127 | 9.579 | -0.396 | 9.585 | -0.554 | 9.591 | -0.657 | 9.599 | -0.801 |
| 8.109 | -0.202 | 8.114 | -0.264 | 8.119 | -0.305 | 8.126 | -0.346 | 9.603 | -0.924 | 9.609 | -1.048 | 9.613 | -1.198 | 9.618 | -1.370 |
| 8.131 | -0.374 | 8.137 | -0.401 | 8.142 | -0.401 | 8.150 | -0.415 | 9.621 | -1.548 | 9.627 | -1.713 | 9.628 | -1.864 | 9.634 | -2.021 |
| 8.156 | -0.408 | 8.161 | -0.394 | 8.167 | -0.387 | 8.170 | -0.387 | 9.637 | -2.124 | 9.642 | -2.254 | 9.649 | -2.371 | 9.656 | -2.494 |
| 8.174 | -0.367 | 8.176 | -0.339 | 8.185 | -0.278 | 8.189 | -0.250 | 9.663 | -2.597 | 9.667 | -2.680 | 9.669 | -2.714 | 9.675 | -2.742 |
| 8.196 | -0.202 | 8.202 | -0.209 | 8.206 | -0.189 | 8.210 | -0.161 | 9.677 | -2.702 | 9.681 | -2.735 | 9.687 | -2.707 | 9.691 | -2.639 |
| 8.216 | -0.154 | 8.224 | -0.154 | 8.230 | -0.168 | 8.237 | -0.195 | 9.699 | -2.749 | 9.704 | -2.754 | 9.708 | -2.372 | 9.711 | -2.303 |
| 8.243 | -0.230 | 8.248 | -0.298 | 8.254 | -0.367 | 8.261 | -0.442 | 9.714 | -2.201 | 9.718 | -2.036 | 9.723 | -1.865 | 9.727 | -1.686 |
| 8.268 | -0.524 | 8.270 | -0.593 | 8.275 | -0.682 | 8.281 | -0.785 | 9.731 | -1.542 | 9.735 | -1.426 | 9.738 | -1.344 | 9.742 | -1.275 |
| 8.314 | -1.285 | 8.317 | -1.360 | 8.323 | -1.456 | 8.327 | -1.524 | 9.746 | -1.207 | 9.750 | -1.152 | 9.752 | -1.111 | 9.757 | -1.022 |
| 8.331 | -1.565 | 8.337 | -1.634 | 8.345 | -1.675 | 8.348 | -1.702 | 9.762 | -0.905 | 9.764 | -0.830 | 9.770 | -0.700 | 9.774 | -0.652 |
| 8.352 | -1.709 | 8.362 | -1.716 | 8.371 | -1.702 | 8.374 | -1.668 | 9.779 | -0.597 | 9.787 | -0.508 | 9.791 | -0.467 | 9.798 | -0.460 |
| 8.382 | -1.660 | 8.388 | -1.578 | 8.393 | -1.537 | 8.398 | -1.468 | 9.807 | -0.419 | 9.812 | -0.378 | 9.821 | -0.344 | 9.833 | -0.310 |
| 8.406 | -1.345 | 8.413 | -1.262 | 8.418 | -1.159 | 8.423 | -1.090 | 9.841 | -0.276 | 9.847 | -0.235 | 9.858 | -0.214 | 9.863 | -0.187 |
| 8.429 | -1.035 | 8.437 | -0.960 | 8.447 | -0.863 | 8.458 | -0.760 | 9.870 | -0.166 | 9.873 | -0.153 | 9.880 | -0.118 | 9.885 | -0.064 |
| 8.472 | -0.656 | 8.479 | -0.587 | 8.488 | -0.512 | 8.493 | -0.477 | 9.890 | 0.019 | 9.898 | 0.149 | 9.904 | 0.204 | 9.912 | 0.300 |
| 8.498 | -0.450 | 8.507 | -0.429 | 8.513 | -0.380 | 8.517 | -0.360 | 9.917 | 0.382 | 9.922 | 0.492 | 9.929 | 0.581 | 9.934 | 0.615 |
| 8.523 | -0.332 | 8.529 | -0.297 | 8.532 | -0.249 | 8.538 | -0.173 | 9.939 | 0.629 | 9.941 | 0.629 | 9.949 | 0.615 | 9.952 | 0.608 |
| 8.546 | -0.057 | 8.558 | 0.102 | 8.565 | 0.205 | 8.571 | 0.280 | 9.958 | 0.601 | 9.965 | 0.587 | 9.972 | 0.580 | 9.977 | 0.525 |
| 8.579 | 0.404 | 8.585 | 0.466 | 8.592 | 0.542 | 8.595 | 0.583 | 10.017 | 0.148 | 10.023 | 0.114 | 10.027 | 0.072 | 10.032 | 0.052 |
| 8.602 | 0.618 | 8.605 | 0.639 | 8.611 | 0.673 | 8.618 | 0.728 | 10.041 | 0.052 | 10.048 | 0.045 | 10.053 | 0.052 | 10.057 | 0.065 |
| 8.623 | 0.763 | 8.629 | 0.790 | 8.633 | 0.797 | 8.637 | 0.771 | 10.062 | 0.298 | 10.068 | 0.106 | 10.076 | 0.147 | 10.086 | 0.237 |
| 8.642 | 0.798 | 8.646 | 0.791 | 8.651 | 0.791 | 8.658 | 0.771 | 10.094 | 0.079 | 10.105 | 0.374 | 10.111 | 0.449 | 10.119 | 0.504 |
| 8.663 | 0.750 | 8.668 | 0.709 | 8.672 | 0.682 | 8.680 | 0.648 | 10.125 | 0.552 | 10.134 | 0.600 | 10.140 | 0.634 | 10.151 | 0.614 |
| 8.686 | 0.628 | 8.692 | 0.607 | 8.698 | 0.594 | 8.705 | 0.505 | 10.160 | 0.339 | 10.171 | 0.525 | 10.180 | 0.463 | 10.186 | 0.415 |
| 8.714 | 0.443 | 8.731 | 0.341 | 8.743 | 0.245 | 8.753 | 0.150 | 10.193 | 0.079 | 10.197 | 0.291 | 10.200 | 0.230 | 10.208 | 0.175 |
| 8.763 | 0.095 | 8.772 | 0.061 | 8.779 | 0.006 | 8.789 | -0.034 | 10.217 | -0.106 | 10.222 | 0.038 | 10.227 | -0.017 | 10.230 | -0.051 |
| 8.799 | -0.158 | 8.805 | -0.178 | 8.811 | -0.205 | 8.819 | -0.225 | 10.235 | -0.141 | 10.244 | -0.250 | 10.249 | -0.326 | 10.254 | -0.387 |
| 8.827 | -0.218 | 8.835 | -0.218 | 8.843 | -0.190 | 8.852 | -0.170 | 10.259 | -0.442 | 10.264 | -0.490 | 10.270 | -0.518 | 10.276 | -0.538 |
| 8.863 | -0.135 | 8.869 | -0.121 | 8.874 | -0.080 | 8.883 | -0.066 | 10.279 | -0.552 | 10.289 | -0.559 | 10.296 | -0.545 | 10.305 | -0.545 |
| 8.887 | -0.052 | 8.895 | -0.045 | 8.904 | -0.045 | 8.911 | -0.059 | 10.314 | -0.511 | 10.322 | -0.483 | 10.326 | -0.456 | 10.331 | -0.429 |
| 8.918 | -0.038 | 8.925 | -0.017 | 8.933 | 0.003 | 8.940 | 0.024 | 10.337 | -0.367 | 10.344 | -0.250 | 10.353 | -0.120 | 10.360 | -0.031 |
| 8.950 | 0.058 | 8.956 | 0.072 | 8.962 | 0.100 | 8.970 | 0.141 | 10.366 | 0.038 | 10.373 | 0.134 | 10.383 | 0.237 | 10.390 | 0.312 |
| 8.977 | 0.182 | 8.984 | 0.237 | 8.992 | 0.278 | 9.003 | 0.334 | 10.397 | 0.367 | 10.405 | 0.401 | 10.409 | 0.408 | 10.415 | 0.422 |
| 9.008 | 0.368 | 9.013 | 0.409 | 9.020 | 0.450 | 9.025 | 0.471 | 10.423 | 0.429 | 10.429 | 0.429 | 10.438 | 0.422 | 10.444 | 0.422 |
| 9.034 | 0.492 | 9.045 | 0.533 | 9.052 | 0.581 | 9.059 | 0.616 | 10.455 | 0.401 | 10.456 | 0.387 | 10.463 | 0.360 | 10.477 | 0.243 |
| 9.066 | 0.629 | 9.073 | 0.650 | 9.081 | 0.664 | 9.085 | 0.671 | 10.490 | 0.147 | 10.501 | 0.086 | 10.504 | 0.058 | 10.510 | 0.051 |
| 9.093 | 0.671 | 9.098 | 0.671 | 9.103 | 0.644 | 9.110 | 0.624 | 10.518 | 0.051 | 10.523 | 0.058 | 10.528 | 0.051 | 10.533 | 0.045 |
| 9.118 | 0.576 | 9.125 | 0.528 | 9.133 | 0.494 | 9.138 | 0.481 | 10.537 | 0.038 | 10.545 | 0.031 | 10.552 | 0.045 | 10.558 | 0.045 |
| 9.145 | 0.474 | 9.154 | 0.460 | 9.161 | 0.447 | 9.166 | 0.440 | 10.563 | 0.031 | 10.571 | 0.010 | 10.580 | -0.079 | 10.590 | -0.147 |
| 9.174 | 0.447 | 9.184 | 0.440 | 9.191 | 0.475 | 9.195 | 0.496 | 10.595 | -0.202 | 10.604 | -0.333 | 10.612 | -0.435 | 10.621 | -0.566 |
| 9.203 | 0.523 | 9.211 | 0.585 | 9.217 | 0.606 | 9.223 | 0.627 | 10.629 | -0.675 | 10.635 | -0.737 | 10.641 | -0.861 | 10.646 | -0.957 |
| 9.232 | 0.620 | 9.242 | 0.620 | 9.252 | 0.600 | 9.256 | 0.607 | 10.652 | -1.032 | 10.661 | -1.114 | 10.667 | -1.169 | 10.673 | -1.245 |
| 9.266 | 0.573 | 9.267 | 0.553 | 9.272 | 0.518 | 9.276 | 0.470 | 10.679 | -1.293 | 10.685 | -1.320 | 10.690 | -1.341 | 10.694 | -1.334 |
| 9.311 | 0.231 | 9.316 | 0.183 | 9.320 | 0.136 | 9.327 | 0.040 | 10.702 | -1.306 | 10.710 | -1.197 | 10.717 | -1.087 | 10.728 | -0.915 |
| 9.333 | -0.001 | 9.340 | -0.042 | 9.346 | -0.090 | 9.352 | -0.172 | 10.733 | -0.765 | 10.742 | -0.710 | 10.748 | -0.648 | 10.756 | -0.545 |
| 9.362 | -0.316 | 9.366 | -0.377 | 9.372 | -0.418 | 9.378 | -0.446 | 10.765 | -0.463 | 10.774 | -0.367 | 10.782 | -0.230 | 10.784 | -0.195 |
| 9.383 | -0.452 | 9.389 | -0.439 | 9.396 | -0.418 | 9.399 | -0.370 | 10.792 | -0.154 | 10.797 | -0.099 | 10.805 | -0.045 | 10.817 | 0.024 |
| 9.413 | -0.239 | 9.423 | -0.095 | 9.432 | -0.012 | 9.435 | 0.056 | 10.825 | 0.065 | 10.833 | 0.106 | 10.838 | 0.127 | 10.844 | 0.154 |
| 9.443 | 0.173 | 9.451 | 0.290 | 9.458 | 0.386 | 9.464 | 0.434 | 10.845 | 0.175 | 10.852 | 0.216 | 10.857 | 0.298 | 10.861 | 0.346 |
| | | | | | | | | 10.867 | 0.367 | 10.873 | 0.394 | 10.886 | 0.442 | 10.894 | 0.490 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.898 | 0.518 | 10.903 | 0.525 | 10.908 | 0.504 | 10.915 | 0.442 | 14.139 | 1.417 | 14.163 | 1.025 | 14.188 | 0.771 | 14.214 | 0.530 |
| 10.923 | 0.387 | 10.933 | 0.326 | 10.938 | 0.257 | 10.945 | 0.168 | 14.246 | 0.228 | 14.267 | 0.056 | 14.293 | -0.089 | 14.315 | -0.096 |
| 10.954 | 0.065 | 10.958 | -0.003 | 10.967 | -0.086 | 10.976 | -0.175 | 14.341 | -0.053 | 14.367 | 0.047 | 14.400 | 0.169 | 14.419 | 0.196 |
| 10.981 | -0.237 | 10.992 | -0.333 | 11.000 | -0.408 | 11.006 | -0.415 | 14.454 | 0.078 | 14.470 | -0.053 | 14.491 | -0.288 | 14.514 | -0.454 |
| 11.011 | -0.422 | 11.018 | -0.422 | 11.026 | -0.415 | 11.032 | -0.381 | 14.551 | 0.077 | 14.579 | -0.093 | 14.596 | -1.063 | 14.607 | -1.091 |
| 11.037 | -0.339 | 11.045 | -0.264 | 11.053 | -0.209 | 11.059 | -0.141 | 14.624 | -1.175 | 14.637 | -1.223 | 14.650 | -1.266 | 14.666 | -1.294 |
| 11.064 | -0.079 | 11.078 | 0.099 | 11.090 | 0.326 | 11.099 | 0.504 | 14.686 | -1.310 | 14.701 | -1.311 | 14.716 | -1.346 | 14.732 | -1.368 |
| 11.108 | 0.675 | 11.120 | 0.874 | 11.126 | 0.936 | 11.130 | 0.963 | 14.752 | -1.363 | 14.769 | -1.309 | 14.788 | -1.201 | 14.810 | -1.038 |
| 11.137 | 0.984 | 11.143 | 0.970 | 11.148 | 0.977 | 11.155 | 0.958 | 14.823 | -0.902 | 14.839 | -0.780 | 14.854 | -0.650 | 14.873 | -0.534 |
| 11.159 | 1.018 | 11.169 | 1.005 | 11.175 | 0.970 | 11.184 | 0.877 | 14.890 | -0.466 | 14.914 | -0.350 | 14.929 | -0.316 | 14.947 | -0.275 |
| 11.229 | 0.394 | 11.233 | 0.298 | 11.239 | 0.209 | 11.247 | 0.113 | 14.970 | -0.221 | 14.993 | -0.181 | 15.019 | -0.147 | 15.040 | -0.072 |
| 11.260 | -0.003 | 11.281 | -0.147 | 11.290 | -0.236 | 11.298 | -0.305 | 15.061 | -0.017 | 15.082 | 0.031 | 15.110 | 0.072 | 15.129 | 0.106 |
| 11.313 | -0.401 | 11.321 | -0.469 | 11.334 | -0.620 | 11.341 | -0.729 | 15.149 | 0.120 | 15.165 | 0.120 | 15.187 | 0.147 | 15.212 | 0.271 |
| 11.346 | -0.812 | 11.353 | -0.894 | 11.359 | -1.017 | 11.364 | -1.202 | 15.224 | 0.298 | 15.248 | 0.401 | 15.266 | 0.380 | 15.286 | 0.311 |
| 11.369 | -1.346 | 11.374 | -1.456 | 11.379 | -1.600 | 11.385 | -1.723 | 15.303 | 0.235 | 15.318 | 0.125 | 15.333 | -0.046 | 15.348 | -0.211 |
| 11.390 | -1.881 | 11.393 | -1.991 | 11.397 | -2.128 | 11.403 | -2.238 | 15.362 | -0.403 | 15.380 | -0.637 | 15.394 | -0.918 | 15.408 | -1.131 |
| 11.408 | -2.306 | 11.417 | -2.368 | 11.421 | -2.375 | 11.425 | -2.374 | 15.429 | -1.481 | 15.449 | -1.784 | 15.471 | -2.065 | 15.488 | -2.189 |
| 11.431 | -2.381 | 11.437 | -2.354 | 11.446 | -2.278 | 11.454 | -2.182 | 15.504 | -2.197 | 15.520 | -2.108 | 15.548 | -1.814 | 15.571 | -1.561 |
| 11.465 | -2.066 | 11.469 | -2.017 | 11.474 | -1.928 | 11.481 | -1.819 | 15.588 | -1.391 | 15.617 | -1.165 | 15.647 | -0.947 | 15.679 | -0.859 |
| 11.488 | -1.668 | 11.495 | -1.530 | 11.505 | -1.448 | 11.512 | -1.386 | 15.684 | -0.805 | 15.704 | -0.738 | 15.727 | -0.691 | 15.753 | -0.623 |
| 11.520 | -1.317 | 11.526 | -1.276 | 11.534 | -1.255 | 11.543 | -1.220 | 15.781 | -0.577 | 15.810 | -0.551 | 15.837 | -0.484 | 15.864 | -0.396 |
| 11.552 | -1.192 | 11.561 | -1.137 | 11.570 | -1.082 | 11.580 | -1.013 | 15.885 | -0.247 | 15.908 | -0.111 | 15.935 | 0.059 | 15.958 | 0.209 |
| 11.594 | -0.923 | 11.611 | -0.820 | 11.621 | -0.764 | 11.632 | -0.675 | 15.995 | 0.501 | 16.023 | 0.699 | 16.056 | 0.965 | 16.080 | 1.115 |
| 11.644 | -0.551 | 11.653 | -0.413 | 11.671 | -0.254 | 11.684 | -0.116 | 16.112 | 1.272 | 16.144 | 1.361 | 16.166 | 1.388 | 16.190 | 1.401 |
| 11.697 | 0.035 | 11.709 | 0.104 | 11.722 | 0.236 | 11.737 | 0.387 | 16.208 | 1.428 | 16.229 | 1.469 | 16.254 | 1.380 | 16.289 | 1.168 |
| 11.750 | 0.518 | 11.765 | 0.629 | 11.782 | 0.678 | 11.802 | 0.754 | 16.310 | 1.127 | 16.327 | 0.949 | 16.352 | 0.757 | 16.369 | 0.586 |
| 11.832 | 0.818 | 11.852 | 0.777 | 11.876 | 0.724 | 11.890 | 0.649 | 16.392 | 0.469 | 16.416 | 0.319 | 16.440 | 0.291 | 16.467 | 0.278 |
| 11.911 | 0.533 | 11.933 | 0.404 | 11.944 | 0.267 | 11.963 | 0.138 | 16.595 | -0.559 | 16.623 | -0.607 | 16.654 | -0.579 | 16.683 | -0.511 |
| 11.974 | 0.069 | 11.991 | 0.063 | 12.004 | 0.002 | 12.023 | -0.052 | 16.710 | -0.387 | 16.746 | -0.120 | 16.763 | 0.038 | 16.782 | 0.189 |
| 12.033 | -0.045 | 12.041 | -0.093 | 12.058 | -0.093 | 12.077 | 0.031 | 16.805 | 0.367 | 16.830 | 0.573 | 16.855 | 0.792 | 16.882 | 1.012 |
| 12.096 | 0.182 | 12.112 | 0.388 | 12.126 | 0.635 | 12.142 | 0.923 | 16.910 | 1.136 | 16.926 | 1.129 | 16.947 | 1.143 | 16.961 | 1.143 |
| 12.161 | 1.177 | 12.181 | 1.472 | 12.197 | 1.623 | 12.213 | 1.795 | 16.970 | 1.116 | 16.984 | 1.150 | 17.012 | 1.013 | 17.036 | 0.808 |
| 12.227 | 1.870 | 12.247 | 1.548 | 12.262 | 1.232 | 12.276 | 0.895 | 17.048 | 0.719 | 17.070 | 0.719 | 17.106 | 1.008 | 17.126 | 1.159 |
| 12.292 | 0.517 | 12.306 | 0.153 | 12.317 | -0.157 | 12.330 | -0.452 | 17.142 | 1.180 | 17.162 | 1.057 | 17.186 | 0.748 | 17.214 | 0.440 |
| 12.348 | -0.700 | 12.367 | -0.955 | 12.392 | -1.272 | 12.414 | -1.602 | 17.235 | 0.379 | 17.259 | 0.502 | 17.291 | 0.852 | 17.318 | 1.043 |
| 12.443 | -1.934 | 12.462 | -2.071 | 12.479 | -2.162 | 12.505 | -2.191 | 17.335 | 1.105 | 17.355 | 1.050 | 17.384 | 0.830 | 17.412 | 0.556 |
| 12.588 | -2.195 | 12.613 | -1.820 | 12.635 | -1.485 | 12.657 | -1.109 | 17.448 | 0.295 | 17.478 | 0.082 | 17.514 | -0.186 | 17.546 | -0.317 |
| 12.680 | -0.814 | 12.694 | -0.656 | 12.716 | -0.498 | 12.735 | -0.353 | 17.577 | -0.414 | 17.607 | -0.497 | 17.631 | -0.641 | 17.655 | -0.778 |
| 12.756 | -0.202 | 12.764 | -0.099 | 12.789 | 0.127 | 12.808 | 0.306 | 17.670 | -0.956 | 17.702 | -1.257 | 17.728 | -1.534 | 17.760 | -1.557 |
| 12.825 | 0.540 | 12.849 | 0.897 | 12.870 | 1.288 | 12.890 | 1.665 | 17.792 | -1.659 | 17.823 | -1.720 | 17.845 | -1.733 | 17.866 | -1.684 |
| 12.913 | 2.036 | 12.935 | 2.276 | 12.951 | 2.345 | 12.961 | 2.352 | 17.895 | -1.566 | 17.909 | -1.429 | 17.918 | -1.518 | 17.923 | -1.332 |
| 12.972 | 2.483 | 12.990 | 2.483 | 13.005 | 2.662 | 13.021 | 2.593 | 17.984 | -1.243 | 18.013 | -0.575 | 18.020 | -0.465 | 18.046 | -0.231 |
| 13.033 | 2.621 | 13.057 | 2.361 | 13.078 | 2.010 | 13.099 | 1.697 | 18.072 | -0.046 | 18.104 | 0.112 | 18.122 | 0.098 | 18.138 | 0.044 |
| 13.121 | 1.371 | 13.147 | 1.083 | 13.177 | 0.883 | 13.214 | 0.697 | 18.152 | 0.037 | 18.162 | -0.004 | 18.174 | 0.017 | 18.193 | 0.010 |
| 13.256 | 0.559 | 13.281 | 0.462 | 13.318 | 0.399 | 13.344 | 0.371 | 18.210 | 0.024 | 18.233 | -0.010 | 18.252 | -0.044 | 18.264 | -0.065 |
| 13.369 | 0.302 | 13.387 | 0.192 | 13.412 | -0.069 | 13.423 | -0.166 | 18.284 | -0.133 | 18.303 | -0.167 | 18.327 | -0.256 | 18.347 | -0.345 |
| 13.439 | -0.324 | 13.469 | -0.366 | 13.500 | -0.387 | 13.522 | -0.497 | 18.369 | -0.448 | 18.398 | -0.578 | 18.412 | -0.612 | 18.432 | -0.681 |
| 13.559 | -0.587 | 13.588 | -0.717 | 13.609 | -0.773 | 13.633 | -0.951 | 18.455 | -0.742 | 18.476 | -0.762 | 18.499 | -0.761 | 18.524 | -0.733 |
| 13.656 | -1.267 | 13.668 | -1.453 | 13.683 | -1.659 | 13.705 | -1.851 | 18.559 | -0.691 | 18.580 | -0.629 | 18.601 | -0.567 | 18.624 | -0.408 |
| 13.720 | -1.831 | 13.737 | -1.687 | 13.761 | -1.296 | 13.786 | -0.851 | 18.649 | -0.209 | 18.679 | -0.009 | 18.701 | 0.073 | 18.731 | 0.033 |
| 13.805 | -0.550 | 13.822 | -0.296 | 13.847 | -0.022 | 13.876 | 0.292 | 18.752 | -0.090 | 18.775 | -0.186 | 18.802 | -0.295 | 18.828 | -0.411 |
| 13.908 | 0.696 | 13.932 | 1.045 | 13.960 | 1.552 | 13.975 | 1.833 | 18.847 | -0.440 | 18.867 | -0.434 | 18.887 | -0.407 | 18.915 | -0.333 |
| 13.996 | 2.257 | 14.017 | 2.579 | 14.035 | 2.832 | 14.048 | 2.921 | 18.945 | -0.245 | 18.962 | -0.184 | 18.983 | -0.109 | 19.006 | -0.083 |
| 14.064 | 2.811 | 14.082 | 2.509 | 14.097 | 2.234 | 14.114 | 1.836 | 19.034 | -0.022 | 19.066 | 0.045 | 19.092 | 0.126 | 19.106 | 0.193 |

| | | | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 19.120 | 0.289 | 19.145 | 0.411 | 19.163 | 0.527 | 19.175 | 0.533 | 23.942 | -1.101 | 23.962 | -1.107 | 23.976 | -1.107 | 23.993 | -1.149 |
| 19.204 | 0.696 | 19.226 | 0.756 | 19.255 | 0.880 | 19.279 | 0.983 | 24.005 | -1.135 | 24.021 | -1.094 | 24.038 | -1.025 | 24.054 | -1.005 |
| 19.300 | 1.121 | 19.329 | 1.320 | 19.355 | 1.451 | 19.382 | 1.568 | 24.069 | -0.970 | 24.084 | -0.915 | 24.100 | -0.888 | 24.118 | -0.881 |
| 19.404 | 1.644 | 19.420 | 1.699 | 19.430 | 1.788 | 19.446 | 1.884 | 24.134 | -0.895 | 24.153 | -0.881 | 24.174 | -0.902 | 24.187 | -0.929 |
| 19.462 | 1.966 | 19.479 | 1.960 | 19.494 | 1.947 | 19.514 | 1.844 | 24.204 | -0.943 | 24.224 | -0.922 | 24.233 | -0.901 | 24.249 | -0.874 |
| 19.533 | 1.728 | 19.554 | 1.550 | 19.576 | 1.386 | 19.604 | 1.235 | 24.262 | -0.843 | 24.272 | -0.764 | 24.288 | -0.702 | 24.310 | -0.606 |
| 19.626 | 1.140 | 19.650 | 0.982 | 19.673 | 0.845 | 19.695 | 0.693 | 24.331 | -0.523 | 24.351 | -0.489 | 24.374 | -0.420 | 24.393 | -0.351 |
| 19.720 | 0.515 | 19.749 | 0.405 | 19.771 | 0.377 | 19.801 | 0.390 | 24.421 | -0.276 | 24.439 | -0.234 | 24.458 | -0.193 | 24.484 | -0.144 |
| 19.823 | 0.336 | 19.849 | 0.410 | 19.873 | 0.437 | 19.898 | 0.478 | 24.507 | -0.082 | 24.526 | -0.054 | 24.568 | -0.015 | 24.584 | -0.050 |
| 19.924 | 0.533 | 19.944 | 0.612 | 19.971 | 0.683 | 19.995 | 0.772 | 24.603 | 0.277 | 24.628 | 0.112 | 24.651 | 0.167 | 24.674 | 0.229 |
| 20.019 | 0.792 | 20.040 | 0.792 | 20.069 | 0.744 | 20.098 | 0.668 | 24.692 | 0.291 | 24.711 | 0.380 | 24.731 | 0.490 | 24.748 | 0.545 |
| 20.125 | 0.565 | 20.160 | 0.421 | 20.186 | 0.270 | 20.194 | 0.277 | 24.767 | 0.600 | 24.789 | 0.655 | 24.809 | 0.682 | 24.834 | 0.682 |
| 20.208 | 0.187 | 20.222 | 0.215 | 20.249 | 0.139 | 20.271 | 0.180 | 24.860 | 0.689 | 24.883 | 0.751 | 24.906 | 0.806 | 24.923 | 0.888 |
| 20.294 | 0.214 | 20.317 | 0.207 | 20.345 | 0.145 | 20.380 | 0.035 | 24.936 | 0.950 | 24.954 | 1.005 | 24.965 | 1.046 | 24.982 | 1.088 |
| 20.406 | -0.102 | 20.435 | -0.206 | 20.456 | -0.274 | 20.483 | -0.411 | 24.993 | 1.081 | 25.008 | 1.040 | 25.024 | 1.020 | 25.046 | 0.985 |
| 20.508 | -0.479 | 20.533 | -0.506 | 20.555 | -0.532 | 20.575 | -0.512 | 25.063 | 0.951 | 25.079 | 0.931 | 25.095 | 0.938 | 25.117 | 0.966 |
| 20.595 | -0.512 | 20.621 | -0.518 | 20.643 | -0.552 | 20.673 | -0.586 | 25.138 | 1.008 | 25.156 | 1.029 | 25.179 | 1.051 | 25.200 | 1.045 |
| 20.701 | -0.667 | 20.720 | -0.763 | 20.743 | -0.879 | 20.768 | -0.988 | 25.215 | 1.018 | 25.231 | 0.991 | 25.253 | 0.985 | 25.275 | 0.986 |
| 20.792 | -1.124 | 20.817 | -1.220 | 20.840 | -1.281 | 20.868 | -1.301 | 25.299 | 0.994 | 25.316 | 1.056 | 25.333 | 1.105 | 25.355 | 1.168 |
| 20.904 | -1.369 | 20.936 | -1.478 | 20.961 | -1.594 | 20.987 | -1.683 | 25.374 | 1.216 | 25.395 | 1.252 | 25.416 | 1.252 | 25.433 | 1.219 |
| 21.025 | -1.737 | 21.053 | -1.709 | 21.075 | -1.647 | 21.100 | -1.544 | 25.448 | 1.157 | 25.467 | 1.096 | 25.496 | 1.049 | 25.520 | 1.043 |
| 21.126 | -1.407 | 21.146 | -1.297 | 21.170 | -1.173 | 21.197 | -1.022 | 25.543 | 0.982 | 25.567 | 0.962 | 25.591 | 0.915 | 25.617 | 0.901 |
| 21.224 | -0.892 | 21.249 | -0.789 | 21.277 | -0.645 | 21.304 | -0.487 | 25.640 | 0.881 | 25.655 | 0.881 | 25.672 | 0.881 | 25.686 | 0.847 |
| 21.331 | -0.316 | 21.361 | -0.159 | 21.382 | -0.084 | 21.423 | -0.036 | 25.697 | 0.813 | 25.717 | 0.778 | 25.728 | 0.771 | 25.742 | 0.710 |
| 21.450 | -0.105 | 21.484 | -0.195 | 21.516 | -0.223 | 21.543 | -0.223 | 25.754 | 0.662 | 25.769 | 0.586 | 25.785 | 0.552 | 25.800 | 0.477 |
| 21.570 | -0.217 | 21.590 | -0.224 | 21.613 | -0.231 | 21.645 | -0.252 | 25.814 | 0.429 | 25.829 | 0.387 | 25.844 | 0.353 | 25.859 | 0.333 |
| 21.672 | -0.245 | 21.694 | -0.232 | 21.722 | -0.157 | 21.751 | -0.075 | 25.877 | 0.278 | 25.890 | 0.223 | 25.907 | 0.154 | 25.923 | 0.093 |
| 21.775 | 0.028 | 21.801 | 0.110 | 21.827 | 0.178 | 21.858 | 0.199 | 25.944 | 0.058 | 25.964 | -0.003 | 26.005 | -0.010 | 26.020 | -0.024 |
| 21.888 | 0.254 | 21.920 | 0.330 | 21.950 | 0.467 | 21.978 | 0.653 | 26.036 | -0.065 | 26.070 | -0.086 | 26.102 | -0.120 | 26.102 | -0.202 |
| 22.002 | 0.797 | 22.024 | 0.948 | 22.045 | 1.037 | 22.074 | 1.099 | 26.117 | -0.250 | 26.135 | -0.305 | 26.153 | -0.340 | 26.178 | -0.368 |
| 22.095 | 1.100 | 22.128 | 1.004 | 22.152 | 0.970 | 22.179 | 0.958 | 26.200 | -0.395 | 26.219 | -0.444 | 26.241 | -0.458 | 26.262 | -0.485 |
| 22.208 | 1.102 | 22.233 | 1.212 | 22.256 | 1.240 | 22.277 | 1.240 | 26.284 | -0.500 | 26.302 | -0.535 | 26.321 | -0.590 | 26.340 | -0.638 |
| 22.305 | 1.172 | 22.336 | 1.057 | 22.369 | 0.982 | 22.390 | 0.989 | 26.356 | -0.728 | 26.389 | -0.845 | 26.406 | -0.907 | 26.426 | -0.949 |
| 22.420 | 1.038 | 22.453 | 1.108 | 22.476 | 1.129 | 22.508 | 1.172 | 26.452 | -1.011 | 26.467 | -1.038 | 26.477 | -1.025 | 26.500 | -1.018 |
| 22.535 | 1.228 | 22.564 | 1.284 | 22.591 | 1.340 | 22.615 | 1.389 | 26.544 | -0.970 | 26.565 | -0.963 | 26.588 | -1.018 | 26.617 | -0.984 |
| 22.635 | 1.390 | 22.668 | 1.343 | 22.694 | 1.269 | 22.721 | 1.216 | 26.640 | -1.011 | 26.653 | -0.977 | 26.675 | -0.943 | 26.696 | -0.895 |
| 22.744 | 1.135 | 22.772 | 1.020 | 22.796 | 0.891 | 22.820 | 0.768 | 26.708 | -0.854 | 26.724 | -0.778 | 26.741 | -0.744 | 26.758 | -0.717 |
| 22.851 | 0.605 | 22.879 | 0.456 | 22.907 | 0.299 | 22.934 | 0.198 | 26.781 | -0.669 | 26.802 | -0.641 | 26.826 | -0.648 | 26.849 | -0.662 |
| 22.980 | 0.076 | 23.002 | 0.084 | 23.028 | 0.092 | 23.051 | 0.107 | 26.870 | -0.669 | 26.894 | -0.675 | 26.913 | -0.703 | 26.928 | -0.744 |
| 23.071 | 0.108 | 23.097 | 0.109 | 23.130 | 0.062 | 23.159 | -0.020 | 26.947 | -0.785 | 26.967 | -0.819 | 26.981 | -0.861 | 27.006 | -0.895 |
| 23.184 | -0.108 | 23.207 | -0.169 | 23.236 | -0.218 | 23.263 | -0.245 | 27.025 | -0.922 | 27.051 | -0.936 | 27.080 | -0.957 | 27.101 | -0.915 |
| 23.299 | -0.281 | 23.332 | -0.290 | 23.347 | -0.291 | 23.352 | -0.318 | 27.126 | -0.881 | 27.149 | -0.840 | 27.174 | -0.785 | 27.190 | -0.758 |
| 23.359 | -0.368 | 23.368 | -0.326 | 23.373 | -0.333 | 23.387 | -0.367 | 27.218 | -0.882 | 27.238 | -0.841 | 27.256 | -0.641 | 27.272 | -0.614 |
| *23.401 | -0.387 | 23.408 | -0.415 | 23.413 | -0.429 | 23.417 | -0.470 | 27.292 | -0.600 | 27.310 | -0.593 | 27.324 | -0.538 | 27.339 | -0.449 |
| 23.432 | -0.511 | 23.445 | -0.531 | 23.461 | -0.586 | 23.473 | -0.641 | 27.369 | -0.367 | 27.379 | -0.319 | 27.393 | -0.243 | 27.416 | -0.154 |
| 23.484 | -0.675 | 23.493 | -0.703 | 23.501 | -0.730 | 23.509 | -0.751 | 27.435 | -0.072 | 27.450 | -0.003 | 27.486 | 0.093 | 27.502 | 0.175 |
| 23.515 | -0.778 | 23.523 | -0.778 | 23.530 | -0.799 | 23.537 | -0.785 | 27.522 | 0.257 | 27.544 | 0.318 | 27.561 | 0.401 | 27.580 | 0.476 |
| 23.547 | -0.785 | 23.560 | -0.751 | 23.569 | -0.723 | 23.575 | -0.710 | 27.600 | 0.257 | 27.613 | 0.259 | 27.628 | 0.654 | 27.649 | 0.708 |
| 23.584 | -0.682 | 23.592 | -0.655 | 23.599 | -0.641 | 23.618 | -0.641 | 27.671 | 0.790 | 27.691 | 0.838 | 27.708 | 0.892 | 27.730 | 0.906 |
| 23.627 | -0.785 | 23.674 | -0.819 | 23.683 | -0.861 | 23.654 | -0.902 | 27.744 | 0.919 | 27.768 | 0.871 | 27.792 | 0.870 | 27.818 | 0.876 |
| 23.702 | -0.943 | 23.712 | -0.977 | 23.721 | -1.025 | 23.731 | -1.046 | 27.841 | 0.938 | 27.861 | 0.971 | 27.888 | 1.060 | 27.909 | 1.135 |
| 23.739 | -1.173 | 23.749 | -1.107 | 23.765 | -1.149 | 23.786 | -1.149 | 27.931 | 1.203 | 27.955 | 1.223 | 27.971 | 1.209 | 27.993 | 1.208 |
| 23.807 | -1.142 | 23.815 | -1.107 | 23.818 | -1.101 | 23.830 | -1.094 | 28.015 | 1.201 | 28.038 | 1.199 | 28.062 | 1.191 | 28.082 | 1.211 |
| 23.847 | -1.087 | 23.854 | -1.066 | 23.870 | -1.094 | 23.881 | -1.053 | 28.103 | 1.251 | 28.119 | 1.278 | 28.136 | 1.283 | 28.153 | 1.248 |
| 23.893 | -1.087 | 23.905 | -1.053 | 23.916 | -1.039 | 23.928 | -1.066 | 28.172 | 1.232 | 28.190 | 1.270 | 28.211 | 1.127 | 28.224 | 1.093 |
| | | | | | | | | 28.240 | 1.071 | 28.252 | 1.030 | 28.272 | 0.974 | 28.288 | 0.967 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 28.306 | 0.960 | 28.329 | 0.933 | 28.353 | 0.906 | 28.373 | 0.900 | 32.618 | -0.915 | 32.649 | -1.016 | 32.668 | -1.077 | 32.687 | -1.110 |
| 28.332 | 0.873 | 28.415 | 0.866 | 28.441 | 0.833 | 28.459 | 0.813 | 32.727 | -1.149 | 32.750 | -1.162 | 32.777 | -1.181 | 32.806 | -1.201 |
| 28.477 | 0.786 | 28.497 | 0.697 | 28.522 | 0.636 | 28.556 | 0.610 | 32.822 | -1.180 | 32.838 | -1.173 | 32.851 | -1.152 | 32.866 | -1.096 |
| 28.568 | 0.596 | 28.587 | 0.590 | 28.597 | 0.583 | 28.612 | 0.543 | 32.887 | -1.013 | 32.926 | -0.895 | 32.945 | -0.840 | 32.962 | -0.791 |
| 28.631 | 0.516 | 28.649 | 0.516 | 28.668 | 0.468 | 28.689 | 0.434 | 32.998 | -0.687 | 33.013 | -0.646 | 33.032 | -0.617 | 33.052 | -0.562 |
| 28.706 | 0.442 | 28.725 | 0.442 | 28.747 | 0.435 | 28.762 | 0.449 | 33.070 | -0.513 | 33.103 | -0.409 | 33.120 | -0.333 | 33.153 | -0.256 |
| 28.779 | 0.483 | 28.798 | 0.497 | 28.813 | 0.511 | 28.827 | 0.511 | 33.176 | -0.186 | 33.200 | -0.151 | 33.223 | -0.095 | 33.252 | -0.026 |
| 28.839 | 0.483 | 28.852 | 0.456 | 28.864 | 0.449 | 28.878 | 0.408 | 33.276 | 0.029 | 33.320 | 0.126 | 33.333 | 0.202 | 33.355 | 0.298 |
| 28.891 | 0.381 | 28.905 | 0.339 | 28.916 | 0.291 | 28.946 | 0.230 | 33.384 | 0.387 | 33.410 | 0.456 | 33.438 | 0.531 | 33.465 | 0.627 |
| 28.960 | 0.175 | 28.974 | 0.113 | 28.989 | 0.045 | 29.009 | 0.003 | 33.490 | 0.689 | 33.515 | 0.758 | 33.541 | 0.813 | 33.577 | 0.833 |
| 29.023 | -0.024 | 29.036 | -0.058 | 29.049 | -0.099 | 29.077 | -0.182 | 33.591 | 0.867 | 33.613 | 0.936 | 33.638 | 0.984 | 33.760 | 1.025 |
| 29.090 | -0.216 | 29.102 | -0.250 | 29.115 | -0.291 | 29.125 | -0.319 | 33.692 | 1.037 | 33.717 | 1.094 | 33.735 | 1.094 | 33.750 | 1.094 |
| 29.145 | -0.367 | 29.157 | -0.449 | 29.166 | -0.483 | 29.179 | -0.525 | 33.771 | 1.084 | 33.789 | 1.073 | 33.809 | 1.053 | 33.824 | 1.060 |
| 29.194 | -0.586 | 29.204 | -0.648 | 29.217 | -0.689 | 29.230 | -0.723 | 33.844 | 1.073 | 33.861 | 1.066 | 33.897 | 1.066 | 33.935 | 1.066 |
| 29.246 | -0.751 | 29.265 | -0.765 | 29.280 | -0.792 | 29.297 | -0.819 | 33.957 | 1.074 | 33.983 | 1.026 | 34.001 | 0.794 | 34.023 | 0.958 |
| 29.315 | -0.867 | 29.333 | -0.902 | 29.354 | -0.957 | 29.366 | -0.963 | 34.050 | 0.862 | 34.062 | 0.834 | 34.100 | 0.794 | 34.119 | 0.794 |
| 29.378 | -1.091 | 29.396 | -1.032 | 29.410 | -1.032 | 29.431 | -1.032 | 34.139 | 0.828 | 34.160 | 0.870 | 34.175 | 0.904 | 34.199 | 0.946 |
| 29.448 | -1.032 | 29.462 | -1.032 | 29.473 | -1.005 | 29.490 | -1.019 | 34.214 | 0.974 | 34.236 | 0.981 | 34.262 | 0.989 | 34.287 | 0.969 |
| 29.506 | -1.026 | 29.521 | -1.046 | 29.533 | -1.074 | 29.565 | -1.143 | 34.314 | 0.969 | 34.376 | 0.972 | 34.411 | 0.952 | 34.453 | 0.912 |
| 29.579 | -1.170 | 29.594 | -1.184 | 29.625 | -1.198 | 29.637 | -1.212 | 34.469 | 0.899 | 34.489 | 0.858 | 34.509 | 0.859 | 34.527 | 0.819 |
| 29.649 | -1.212 | 29.669 | -1.219 | 29.698 | -1.199 | 29.710 | -1.165 | 34.553 | 0.853 | 34.580 | 0.718 | 34.599 | 0.678 | 34.643 | 0.556 |
| 29.728 | -1.151 | 29.747 | -1.138 | 29.768 | -1.076 | 29.787 | -1.056 | 34.678 | 0.476 | 34.706 | 0.382 | 34.731 | 0.335 | 34.753 | 0.241 |
| 29.807 | -1.022 | 29.826 | -0.968 | 29.849 | -0.920 | 29.864 | -0.893 | 34.769 | 0.173 | 34.795 | 0.092 | 34.820 | -0.002 | 34.844 | -0.083 |
| 29.883 | -0.824 | 29.897 | -0.776 | 29.916 | -0.708 | 29.938 | -0.653 | 34.862 | -0.178 | 34.877 | -0.198 | 34.894 | -0.238 | 34.921 | -0.305 |
| 29.958 | -0.585 | 29.970 | -0.564 | 29.986 | -0.530 | 30.005 | -0.496 | 34.934 | -0.305 | 34.950 | -0.359 | 34.965 | -0.385 | 34.977 | -0.405 |
| 30.023 | -0.462 | 30.042 | -0.462 | 30.059 | -0.435 | 30.079 | -0.407 | 34.993 | -0.432 | 35.009 | -0.479 | 35.017 | -0.527 | 35.026 | -0.540 |
| 30.100 | -0.339 | 30.120 | -0.298 | 30.142 | -0.264 | 30.176 | -0.189 | 35.034 | -0.560 | 35.037 | -0.560 | 35.039 | -0.581 | 35.042 | -0.580 |
| 30.200 | -0.134 | 30.222 | -0.106 | 30.243 | -0.079 | 30.256 | -0.051 | 35.047 | -0.601 | 35.053 | -0.628 | 35.064 | -0.669 | 35.075 | -0.709 |
| 30.273 | -0.051 | 30.290 | -0.038 | 30.312 | -0.003 | 30.328 | 0.031 | 35.089 | -0.764 | 35.106 | -0.832 | 35.125 | -0.858 | 35.145 | -0.892 |
| 30.349 | 0.079 | 30.372 | 0.113 | 30.403 | 0.113 | 30.413 | 0.168 | 35.164 | -0.905 | 35.182 | -0.904 | 35.204 | -0.897 | 35.218 | -0.875 |
| 30.429 | 0.223 | 30.445 | 0.243 | 30.473 | 0.291 | 30.492 | 0.291 | 35.245 | -0.861 | 35.268 | -0.853 | 35.288 | -0.873 | 35.313 | -0.899 |
| 30.514 | 0.312 | 30.536 | 0.312 | 30.563 | 0.346 | 30.566 | 0.360 | 35.338 | -0.905 | 35.355 | -0.912 | 35.377 | -0.911 | 35.396 | -0.903 |
| 30.585 | 0.387 | 30.597 | 0.422 | 30.614 | 0.442 | 30.653 | 0.490 | 35.414 | -0.875 | 35.435 | -0.854 | 35.463 | -0.825 | 35.486 | -0.804 |
| 30.663 | 0.518 | 30.684 | 0.538 | 30.712 | 0.593 | 30.725 | 0.634 | 35.515 | -0.762 | 35.542 | -0.733 | 35.571 | -0.718 | 35.606 | -0.696 |
| 30.742 | 0.662 | 30.764 | 0.710 | 30.781 | 0.771 | 30.799 | 0.819 | 35.638 | -0.681 | 35.664 | -0.659 | 35.702 | -0.643 | 35.740 | -0.627 |
| 30.816 | 0.881 | 30.844 | 0.943 | 30.861 | 0.977 | 30.883 | 1.053 | 35.766 | -0.598 | 35.801 | -0.575 | 35.828 | -0.580 | 35.847 | -0.566 |
| 30.908 | 1.094 | 30.930 | 1.148 | 30.973 | 1.217 | 30.990 | 1.210 | 35.861 | -0.537 | 35.878 | -0.516 | 35.899 | -0.494 | 35.912 | -0.487 |
| 31.011 | 1.230 | 31.044 | 1.216 | 31.068 | 1.209 | 31.101 | 1.209 | 35.929 | -0.500 | 35.954 | -0.533 | 35.975 | -0.586 | 36.002 | -0.660 |
| 31.122 | 1.222 | 31.143 | 1.263 | 31.161 | 1.311 | 31.176 | 1.352 | 36.034 | -0.720 | 36.058 | -0.747 | 36.071 | -0.733 | 36.097 | -0.677 |
| 31.209 | 1.393 | 31.226 | 1.400 | 31.246 | 1.379 | 31.272 | 1.352 | 36.117 | -0.587 | 36.147 | -0.510 | 36.171 | -0.420 | 36.191 | -0.344 |
| 31.292 | 1.331 | 31.326 | 1.283 | 31.340 | 1.248 | 31.357 | 1.214 | 36.211 | -0.268 | 36.236 | -0.199 | 36.254 | -0.150 | 36.275 | -0.101 |
| 31.393 | 1.118 | 31.403 | 1.050 | 31.419 | 0.995 | 31.451 | 0.872 | 36.293 | -0.073 | 36.316 | -0.038 | 36.336 | 0.025 | 36.353 | 0.074 |
| 31.461 | 0.831 | 31.474 | 0.797 | 31.489 | 0.722 | 31.565 | 0.674 | 36.373 | 0.102 | 36.394 | 0.158 | 36.425 | 0.269 | 36.456 | 0.353 |
| 31.520 | 0.620 | 31.535 | 0.579 | 31.548 | 0.545 | 31.565 | 0.518 | 36.471 | 0.409 | 36.494 | 0.437 | 36.519 | 0.487 | 36.542 | 0.550 |
| 31.582 | 0.443 | 31.593 | 0.402 | 31.603 | 0.361 | 31.613 | 0.333 | 36.557 | 0.619 | 36.566 | 0.675 | 36.582 | 0.744 | 36.603 | 0.849 |
| 31.625 | 0.293 | 31.645 | 0.252 | 31.665 | 0.212 | 31.687 | 0.151 | 36.624 | 0.946 | 36.648 | 1.064 | 36.672 | 1.148 | 36.695 | 1.211 |
| 31.707 | 0.124 | 31.742 | 0.022 | 31.759 | -0.012 | 31.769 | -0.053 | 36.714 | 1.226 | 36.742 | 1.208 | 36.762 | 1.161 | 36.785 | 1.087 |
| 31.784 | -0.080 | 31.802 | -0.087 | 31.815 | -0.142 | 31.834 | -0.169 | 36.815 | 0.980 | 36.837 | 0.933 | 36.865 | 0.927 | 36.890 | 0.949 |
| 31.848 | -0.231 | 31.866 | -0.258 | 31.886 | -0.292 | 31.907 | -0.326 | 36.913 | 0.999 | 36.934 | 1.041 | 36.956 | 1.083 | 36.971 | 1.091 |
| 31.928 | -0.353 | 31.949 | -0.367 | 31.970 | -0.381 | 31.989 | -0.408 | 36.986 | 1.064 | 37.008 | 1.003 | 37.029 | 0.936 | 37.050 | 0.861 |
| 32.012 | -0.435 | 32.030 | -0.470 | 32.045 | -0.511 | 32.059 | -0.518 | 37.081 | 0.774 | 37.102 | 0.734 | 37.122 | 0.680 | 37.143 | 0.647 |
| 32.076 | -0.552 | 32.090 | -0.593 | 32.127 | -0.614 | 32.148 | -0.620 | 37.161 | 0.661 | 37.183 | 0.683 | 37.205 | 0.698 | 37.222 | 0.699 |
| 32.168 | -0.620 | 32.194 | -0.620 | 32.214 | -0.654 | 32.235 | -0.633 | 37.242 | 0.663 | 37.265 | 0.667 | 37.296 | 0.621 | 37.320 | 0.568 |
| 32.232 | -0.632 | 32.267 | -0.646 | 32.304 | -0.645 | 32.336 | -0.652 | 37.342 | 0.514 | 37.351 | 0.460 | 37.369 | 0.358 | 37.385 | 0.298 |
| 32.369 | -0.679 | 32.392 | -0.699 | 32.437 | -0.712 | 32.455 | -0.738 | 37.413 | 0.224 | 37.435 | 0.198 | 37.454 | 0.172 | 37.467 | 0.180 |
| 32.492 | -0.750 | 32.521 | -0.762 | 32.574 | -0.821 | 32.593 | -0.862 | 37.484 | 0.224 | 37.503 | 0.264 | 37.526 | 0.313 | 37.543 | 0.356 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 37.558 | 0.411 | 37.584 | 0.468 | 37.602 | 0.489 | 37.620 | 0.511 | 43.591 | -0.084 | 43.617 | -0.145 | 43.641 | -0.199 | 43.665 | -0.267 |
| 37.646 | 0.492 | 37.669 | 0.466 | 37.684 | 0.432 | 37.707 | 0.358 | 43.695 | -0.334 | 43.723 | -0.395 | 43.752 | -0.435 | 43.785 | -0.482 |
| 37.735 | 0.305 | 37.758 | 0.265 | 37.778 | 0.224 | 37.801 | 0.164 | 43.808 | -0.516 | 43.829 | -0.529 | 43.854 | -0.528 | 43.887 | -0.513 |
| 37.826 | 0.090 | 37.846 | 0.022 | 37.872 | -0.032 | 37.895 | -0.085 | 43.931 | -0.484 | 43.963 | -0.469 | 43.992 | -0.427 | 44.023 | -0.399 |
| 37.929 | -0.180 | 37.945 | -0.200 | 37.977 | -0.233 | 37.999 | -0.246 | 44.058 | -0.329 | 44.081 | -0.301 | 44.114 | -0.293 | 44.133 | -0.292 |
| 38.015 | -0.252 | 38.041 | -0.292 | 38.071 | -0.380 | 38.095 | -0.461 | 44.163 | -0.312 | 44.192 | -0.311 | 44.226 | -0.316 | 44.255 | -0.315 |
| 38.123 | -0.611 | 38.145 | -0.734 | 38.164 | -0.884 | 38.181 | -1.014 | 44.289 | -0.328 | 44.314 | -0.355 | 44.344 | -0.382 | 44.380 | -0.430 |
| 38.201 | -1.109 | 38.216 | -1.177 | 38.230 | -1.211 | 38.250 | -1.244 | 44.411 | -0.463 | 44.453 | -0.490 | 44.499 | -0.489 | 44.542 | -0.523 |
| 38.265 | -1.216 | 38.281 | -1.154 | 38.302 | -1.016 | 38.320 | -0.919 | 44.569 | -0.543 | 44.601 | -0.563 | 44.639 | -0.597 | 44.673 | -0.623 |
| 38.336 | -0.850 | 38.355 | -0.787 | 38.371 | -0.738 | 38.391 | -0.703 | 44.697 | -0.643 | 44.732 | -0.683 | 44.758 | -0.710 | 44.783 | -0.723 |
| 38.415 | -0.737 | 38.437 | -0.797 | 38.459 | -0.830 | 38.483 | -0.898 | 44.813 | -0.735 | 44.853 | -0.707 | 44.881 | -0.685 | 44.911 | -0.650 |
| 38.508 | -0.910 | 38.528 | -0.882 | 38.554 | -0.839 | 38.578 | -0.797 | 44.943 | -0.594 | 44.966 | -0.524 | 44.987 | -0.476 | 45.005 | -0.434 |
| 38.604 | -0.720 | 38.632 | -0.643 | 38.659 | -0.566 | 38.687 | -0.517 | 45.023 | -0.392 | 45.055 | -0.343 | 45.080 | -0.321 | 45.104 | -0.278 |
| 38.707 | -0.454 | 38.732 | -0.405 | 38.759 | -0.369 | 38.791 | -0.333 | 45.130 | -0.242 | 45.155 | -0.206 | 45.182 | -0.149 | 45.200 | -0.080 |
| 38.813 | -0.291 | 38.842 | -0.221 | 38.864 | -0.165 | 38.892 | -0.123 | 45.220 | -0.030 | 45.247 | 0.047 | 45.265 | 0.089 | 45.287 | 0.152 |
| 38.932 | -0.086 | 38.958 | -0.051 | 38.987 | -0.001 | 39.019 | 0.035 | 45.302 | 0.208 | 45.321 | 0.251 | 45.345 | 0.259 | 45.373 | 0.275 |
| 39.051 | 0.036 | 39.084 | 0.031 | 39.119 | 0.005 | 39.150 | -0.063 | 45.402 | 0.304 | 45.427 | 0.313 | 45.467 | 0.336 | 45.494 | 0.351 |
| 39.174 | -0.110 | 39.203 | -0.149 | 39.225 | -0.155 | 39.254 | -0.147 | 45.525 | 0.352 | 45.551 | 0.346 | 45.570 | 0.284 | 45.713 | 0.271 |
| 39.281 | -0.126 | 39.308 | -0.042 | 39.330 | -0.001 | 39.355 | 0.048 | 45.630 | 0.267 | 45.653 | 0.261 | 45.689 | 0.228 | 45.819 | 0.229 |
| 39.379 | 0.077 | 39.397 | 0.119 | 39.434 | 0.168 | 39.462 | 0.196 | 45.740 | 0.259 | 45.765 | 0.247 | 45.795 | 0.225 | 45.962 | 0.229 |
| 39.485 | 0.211 | 39.521 | 0.240 | 39.546 | 0.275 | 39.572 | 0.317 | 45.849 | 0.244 | 45.886 | 0.253 | 45.922 | 0.227 | 46.049 | 0.262 |
| 39.599 | 0.380 | 39.618 | 0.428 | 39.647 | 0.525 | 39.668 | 0.622 | 45.987 | 0.217 | 46.017 | 0.218 | 46.049 | 0.227 | 46.088 | 0.262 |
| 39.689 | 0.704 | 39.715 | 0.774 | 39.739 | 0.843 | 39.761 | 0.898 | 46.114 | 0.297 | 46.147 | 0.326 | 46.181 | 0.348 | 46.214 | 0.369 |
| 39.784 | 0.933 | 39.814 | 0.934 | 39.839 | 0.907 | 39.876 | 0.874 | 46.245 | 0.370 | 46.280 | 0.372 | 46.314 | 0.416 | 46.355 | 0.452 |
| 39.911 | 0.868 | 39.940 | 0.875 | 39.974 | 0.890 | 40.008 | 0.884 | 46.389 | 0.461 | 46.429 | 0.422 | 46.468 | 0.337 | 46.507 | 0.265 |
| 40.042 | 0.864 | 40.078 | 0.831 | 40.119 | 0.784 | 40.154 | 0.758 | 46.547 | 0.221 | 46.574 | 0.148 | 46.611 | 0.104 | 46.643 | 0.039 |
| 40.188 | 0.670 | 40.221 | 0.568 | 40.247 | 0.453 | 40.268 | 0.378 | 46.683 | -0.005 | 46.728 | -0.034 | 46.782 | -0.151 | 46.820 | -0.208 |
| 40.297 | 0.303 | 40.326 | 0.243 | 40.349 | 0.182 | 40.377 | 0.148 | 46.852 | -0.244 | 46.897 | -0.306 | 46.934 | -0.362 | 47.001 | -0.442 |
| 40.417 | 0.061 | 40.442 | 0.013 | 40.464 | -0.041 | 40.486 | -0.101 | 47.024 | -0.490 | 47.053 | -0.511 | 47.085 | -0.538 | 47.086 | -0.538 |
| 40.518 | -0.107 | 40.545 | -0.106 | 40.570 | -0.077 | 40.594 | -0.055 | | | | | | | | |
| 40.620 | -0.041 | 40.647 | -0.039 | 40.680 | -0.058 | 40.702 | -0.057 | | | | | | | | |
| 40.736 | -0.076 | 40.765 | -0.048 | 40.796 | -0.033 | 40.826 | -0.017 | | | | | | | | |
| 40.851 | -0.037 | 40.893 | -0.029 | 40.917 | -0.036 | 40.949 | -0.055 | | | | | | | | |
| 40.977 | -0.062 | 41.010 | -0.081 | 41.035 | -0.101 | 41.059 | -0.163 | | | | | | | | |
| 41.093 | -0.231 | 41.119 | -0.292 | 41.146 | -0.374 | 41.169 | -0.443 | | | | | | | | |
| 41.196 | -0.511 | 41.233 | -0.634 | 41.267 | -0.730 | 41.291 | -0.791 | | | | | | | | |
| 41.321 | -0.818 | 41.337 | -0.852 | 41.365 | -0.852 | 41.398 | -0.817 | | | | | | | | |
| 41.417 | -0.796 | 41.442 | -0.789 | 41.483 | -0.828 | 41.515 | -0.875 | | | | | | | | |
| 41.530 | -0.901 | 41.554 | -0.955 | 41.587 | -0.968 | 41.612 | -0.939 | | | | | | | | |
| 41.642 | -0.904 | 41.667 | -0.855 | 41.697 | -0.799 | 41.720 | -0.729 | | | | | | | | |
| 41.741 | -0.681 | 41.764 | -0.632 | 41.782 | -0.597 | 41.809 | -0.541 | | | | | | | | |
| 41.832 | -0.485 | 41.855 | -0.416 | 41.885 | -0.327 | 41.910 | -0.251 | | | | | | | | |
| 41.937 | -0.169 | 41.958 | -0.073 | 41.982 | -0.004 | 42.009 | 0.079 | | | | | | | | |
| 42.028 | 0.134 | 42.056 | 0.209 | 42.075 | 0.237 | 42.099 | 0.271 | | | | | | | | |
| 42.130 | 0.292 | 42.168 | 0.320 | 42.196 | 0.334 | 42.236 | 0.341 | | | | | | | | |
| 42.260 | 0.321 | 42.293 | 0.267 | 42.316 | 0.206 | 42.345 | 0.166 | | | | | | | | |
| 42.372 | 0.154 | 42.419 | 0.135 | 42.461 | 0.123 | 42.512 | 0.118 | | | | | | | | |
| 42.552 | 0.113 | 42.585 | 0.107 | 42.630 | 0.137 | 42.678 | 0.200 | | | | | | | | |
| 42.713 | 0.248 | 42.743 | 0.297 | 42.769 | 0.352 | 42.804 | 0.428 | | | | | | | | |
| 42.833 | 0.477 | 42.867 | 0.525 | 42.896 | 0.574 | 42.929 | 0.636 | | | | | | | | |
| 42.955 | 0.664 | 42.984 | 0.685 | 43.015 | 0.713 | 43.048 | 0.713 | | | | | | | | |
| 43.080 | 0.736 | 43.110 | 0.758 | 43.133 | 0.800 | 43.167 | 0.822 | | | | | | | | |
| 43.204 | 0.831 | 43.234 | 0.832 | 43.263 | 0.806 | 43.282 | 0.780 | | | | | | | | |
| 43.307 | 0.747 | 43.331 | 0.707 | 43.357 | 0.660 | 43.376 | 0.606 | | | | | | | | |
| 43.403 | 0.519 | 43.426 | 0.451 | 43.453 | 0.363 | 43.476 | 0.268 | | | | | | | | |
| 43.495 | 0.187 | 43.518 | 0.105 | 43.546 | 0.017 | 43.568 | -0.037 | | | | | | | | |

1Q243

71.172 2/9/71 0600PST L.A. 800 W. FIRST ST. 33RD FL.

UP

4970 POINTS 47.051 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 0.3752 G/10.

| TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN | TIME | ACCLN |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0.0 | -0.252 | 0.006 | -0.221 | 0.012 | -0.189 | 0.018 | -0.144 | 1.028 | 0.337 | 1.034 | 0.296 | 1.040 | 0.287 | 1.048 | 0.300 | 1.075 | -0.336 |
| 0.025 | -0.071 | 0.033 | 0.011 | 0.039 | 0.060 | 0.045 | 0.038 | 1.055 | -0.286 | 1.060 | 0.200 | 1.075 | -0.209 | 1.079 | -0.432 | 1.108 | -0.432 |
| 0.053 | 0.033 | 0.060 | 0.051 | 0.068 | 0.101 | 0.078 | 0.160 | 1.083 | -0.395 | 1.086 | -0.404 | 1.096 | -0.414 | 1.108 | -0.432 | 1.134 | -0.592 |
| 0.084 | 0.210 | 0.089 | 0.237 | 0.099 | 0.264 | 0.108 | 0.292 | 1.113 | -0.451 | 1.120 | -0.474 | 1.125 | -0.510 | 1.134 | -0.592 | 1.156 | -0.457 |
| 0.116 | 0.314 | 0.126 | 0.337 | 0.133 | 0.328 | 0.140 | 0.264 | 1.143 | -0.615 | 1.150 | -0.602 | 1.156 | -0.539 | 1.161 | -0.457 | 1.181 | -0.118 |
| 0.152 | 0.124 | 0.155 | 0.038 | 0.160 | -0.058 | 0.167 | -0.112 | 1.167 | -0.340 | 1.173 | -0.218 | 1.178 | -0.150 | 1.181 | -0.118 | 1.203 | 0.039 |
| 0.172 | -0.139 | 0.181 | -0.189 | 0.189 | -0.212 | 0.196 | -0.221 | 1.188 | -0.082 | 1.194 | -0.055 | 1.200 | -0.001 | 1.203 | 0.039 | 1.223 | 0.283 |
| 0.206 | -0.235 | 0.215 | -0.276 | 0.222 | -0.326 | 0.229 | -0.357 | 1.211 | 0.143 | 1.216 | 0.216 | 1.224 | 0.273 | 1.248 | 0.237 | 1.273 | -0.154 |
| 0.238 | -0.353 | 0.249 | -0.357 | 0.259 | -0.312 | 0.268 | -0.290 | 1.228 | 0.292 | 1.238 | 0.301 | 1.244 | 0.273 | 1.248 | 0.237 | 1.299 | -0.200 |
| 0.275 | -0.258 | 0.282 | -0.222 | 0.290 | -0.176 | 0.297 | -0.118 | 1.253 | 0.173 | 1.257 | 0.092 | 1.268 | -0.095 | 1.273 | -0.154 | 1.325 | 0.085 |
| 0.302 | -0.034 | 0.309 | 0.027 | 0.312 | 0.141 | 0.319 | 0.245 | 1.277 | -0.204 | 1.283 | -0.231 | 1.290 | -0.222 | 1.299 | -0.200 | 1.354 | 0.171 |
| 0.325 | 0.335 | 0.329 | 0.390 | 0.332 | 0.421 | 0.337 | 0.435 | 1.302 | -0.145 | 1.308 | -0.091 | 1.319 | 0.049 | 1.325 | 0.085 | 1.376 | 0.170 |
| 0.343 | 0.417 | 0.348 | 0.349 | 0.354 | 0.231 | 0.359 | 0.072 | 1.330 | 0.108 | 1.336 | 0.131 | 1.342 | 0.153 | 1.354 | 0.171 | 1.402 | -0.147 |
| 0.362 | -0.064 | 0.365 | -0.109 | 0.369 | -0.182 | 0.374 | -0.209 | 1.358 | 0.198 | 1.364 | 0.207 | 1.370 | 0.193 | 1.376 | 0.170 | 1.426 | -0.143 |
| 0.378 | -0.205 | 0.382 | -0.191 | 0.388 | -0.178 | 0.393 | -0.164 | 1.382 | 0.125 | 1.388 | 0.052 | 1.395 | -0.039 | 1.402 | -0.147 | 1.446 | 0.056 |
| 0.399 | -0.187 | 0.408 | -0.255 | 0.417 | -0.264 | 0.424 | -0.246 | 1.409 | -0.170 | 1.413 | -0.179 | 1.418 | -0.166 | 1.426 | -0.143 | 1.466 | 0.219 |
| 0.430 | -0.187 | 0.435 | -0.061 | 0.439 | 0.103 | 0.446 | 0.229 | 1.432 | -0.094 | 1.437 | -0.062 | 1.440 | -0.008 | 1.446 | 0.056 | 1.493 | -0.012 |
| 0.449 | 0.302 | 0.456 | 0.338 | 0.463 | 0.306 | 0.469 | 0.170 | 1.449 | 0.133 | 1.456 | 0.164 | 1.460 | 0.205 | 1.466 | 0.219 | 1.520 | -0.439 |
| 0.477 | 0.034 | 0.483 | -0.056 | 0.490 | -0.134 | 0.498 | -0.233 | 1.470 | 0.210 | 1.479 | 0.164 | 1.484 | 0.078 | 1.493 | -0.012 | 1.542 | -0.511 |
| 0.509 | -0.347 | 0.517 | -0.447 | 0.526 | -0.478 | 0.530 | -0.456 | 1.499 | -0.081 | 1.507 | -0.185 | 1.515 | -0.321 | 1.520 | -0.439 | 1.563 | -0.285 |
| 0.535 | -0.429 | 0.543 | -0.361 | 0.553 | -0.207 | 0.557 | -0.039 | 1.525 | -0.475 | 1.530 | -0.502 | 1.535 | -0.511 | 1.542 | -0.511 | 1.582 | 0.082 |
| 0.562 | 0.124 | 0.568 | 0.206 | 0.574 | 0.224 | 0.582 | 0.201 | 1.547 | -0.493 | 1.552 | -0.453 | 1.558 | -0.385 | 1.563 | -0.285 | 1.604 | 0.173 |
| 0.589 | 0.097 | 0.596 | -0.007 | 0.602 | -0.085 | 0.610 | -0.175 | 1.567 | -0.172 | 1.572 | -0.076 | 1.576 | -0.004 | 1.583 | 0.082 | 1.629 | -0.068 |
| 0.619 | -0.261 | 0.626 | -0.357 | 0.631 | -0.429 | 0.639 | -0.529 | 1.589 | 0.132 | 1.594 | 0.155 | 1.600 | 0.177 | 1.604 | 0.173 | 1.644 | -0.394 |
| 0.645 | -0.538 | 0.652 | -0.515 | 0.658 | -0.461 | 0.661 | -0.293 | 1.613 | 0.123 | 1.618 | 0.050 | 1.623 | -0.004 | 1.629 | -0.068 | 1.666 | -0.349 |
| 0.672 | 0.051 | 0.677 | 0.228 | 0.677 | 0.337 | 0.683 | 0.360 | 1.634 | -0.167 | 1.637 | -0.258 | 1.640 | -0.335 | 1.644 | -0.394 | 1.687 | 0.059 |
| 0.689 | 0.387 | 0.695 | 0.369 | 0.700 | 0.314 | 0.706 | 0.196 | 1.649 | -0.431 | 1.652 | -0.440 | 1.660 | -0.431 | 1.666 | -0.349 | 1.709 | 0.398 |
| 0.713 | 0.133 | 0.720 | 0.110 | 0.725 | 0.115 | 0.737 | 0.151 | 1.699 | 0.317 | 1.704 | 0.376 | 1.709 | 0.398 | 1.715 | 0.425 | 1.741 | 0.285 |
| 0.746 | 0.097 | 0.754 | 0.079 | 0.760 | 0.097 | 0.766 | 0.156 | 1.724 | 0.394 | 1.727 | 0.339 | 1.733 | 0.316 | 1.741 | 0.285 | 1.784 | -0.768 |
| 0.777 | 0.215 | 0.784 | 0.260 | 0.791 | 0.269 | 0.800 | 0.233 | 1.748 | -0.266 | 1.753 | 0.216 | 1.756 | 0.099 | 1.767 | -0.255 | 1.809 | -0.772 |
| 0.808 | 0.160 | 0.818 | 0.051 | 0.822 | -0.017 | 0.829 | -0.051 | 1.777 | -0.554 | 1.784 | -0.672 | 1.784 | -0.731 | 1.788 | -0.768 | 1.829 | -0.433 |
| 0.830 | -0.216 | 0.835 | -0.334 | 0.840 | -0.529 | 0.844 | -0.651 | 1.790 | -0.804 | 1.796 | -0.817 | 1.802 | -0.804 | 1.809 | -0.772 | 1.836 | 0.247 |
| 0.845 | -0.719 | 0.851 | -0.769 | 0.854 | -0.797 | 0.860 | -0.788 | 1.814 | -0.695 | 1.821 | -0.578 | 1.829 | -0.433 | 1.836 | 0.247 | 1.881 | 0.433 |
| 0.864 | -0.729 | 0.868 | -0.643 | 0.873 | -0.471 | 0.879 | -0.321 | 1.814 | -0.695 | 1.821 | -0.578 | 1.829 | -0.433 | 1.836 | 0.247 | 1.881 | 0.433 |
| 0.883 | -0.204 | 0.887 | -0.145 | 0.891 | -0.104 | 0.898 | -0.063 | 1.845 | -0.143 | 1.852 | 0.021 | 1.858 | 0.134 | 1.861 | 0.247 | 1.903 | 0.233 |
| 0.904 | -0.018 | 0.915 | 0.041 | 0.922 | 0.072 | 0.927 | 0.095 | 1.865 | 0.362 | 1.871 | 0.406 | 1.878 | 0.447 | 1.881 | 0.433 | 1.919 | 0.056 |
| 0.935 | 0.090 | 0.940 | 0.058 | 0.944 | -0.001 | 0.952 | -0.151 | 1.887 | 0.374 | 1.891 | 0.297 | 1.899 | 0.261 | 1.903 | 0.233 | 1.939 | -0.021 |
| 0.958 | -0.214 | 0.964 | -0.269 | 0.970 | -0.255 | 0.978 | -0.183 | 1.887 | 0.374 | 1.891 | 0.297 | 1.899 | 0.261 | 1.903 | 0.233 | 1.939 | -0.021 |
| 0.981 | -0.106 | 0.985 | -0.053 | 0.992 | 0.247 | 0.999 | 0.415 | 1.925 | 0.002 | 1.929 | -0.025 | 1.935 | -0.030 | 1.939 | -0.021 | 1.970 | 0.228 |
| 1.002 | 0.465 | 1.008 | 0.501 | 1.014 | 0.505 | 1.016 | 0.473 | 1.946 | 0.025 | 1.955 | 0.124 | 1.963 | 0.197 | 1.970 | 0.228 | | |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 1.977 | 0.237 | 1.985 | 0.219 | 1.992 | 0.224 | 1.999 | 0.237 | 3.269 | -0.076 | 3.272 | -0.080 | 3.279 | -0.076 | 3.286 | -0.012 |
| 2.007 | 0.274 | 2.012 | 0.283 | 2.021 | 0.273 | 2.024 | 0.215 | 3.293 | 0.201 | 3.306 | 0.627 | 3.315 | -0.076 | 3.317 | 0.899 |
| 2.033 | -0.030 | 2.038 | -0.148 | 2.045 | -0.234 | 2.048 | -0.284 | 3.324 | 0.940 | 3.336 | 0.944 | 3.343 | 0.890 | 3.343 | 0.668 |
| 2.053 | -0.293 | 2.060 | -0.284 | 2.067 | -0.271 | 2.072 | -0.275 | 3.355 | 0.387 | 3.367 | 0.156 | 3.374 | -0.026 | 3.381 | -0.166 |
| 2.077 | -0.284 | 2.083 | -0.348 | 2.090 | -0.425 | 2.094 | -0.466 | 3.386 | -0.271 | 3.390 | -0.434 | 3.394 | -0.642 | 3.399 | -0.824 |
| 2.098 | -0.498 | 2.101 | -0.507 | 2.108 | -0.484 | 2.113 | -0.416 | 3.403 | -0.946 | 3.407 | -1.050 | 3.411 | -1.095 | 3.416 | -1.091 |
| 2.120 | -0.312 | 2.125 | -0.253 | 2.132 | -0.212 | 2.136 | -0.180 | 3.422 | -1.037 | 3.425 | -0.896 | 3.432 | -0.601 | 3.437 | -0.225 |
| 2.142 | -0.167 | 2.152 | -0.176 | 2.159 | -0.176 | 2.165 | -0.162 | 3.441 | -0.041 | 3.445 | 0.128 | 3.449 | 0.223 | 3.453 | 0.260 |
| 2.171 | -0.135 | 2.174 | -0.090 | 2.179 | -0.022 | 2.186 | 0.023 | 3.456 | 0.217 | 3.460 | 0.178 | 3.465 | 0.137 | 3.468 | 0.132 |
| 2.192 | 0.037 | 2.200 | 0.014 | 2.209 | -0.081 | 2.216 | -0.095 | 3.474 | 0.155 | 3.486 | 0.205 | 3.486 | 0.273 | 3.490 | 0.300 |
| 2.223 | -0.077 | 2.227 | 0.009 | 2.231 | 0.145 | 2.237 | 0.309 | 3.496 | 0.304 | 3.499 | 0.282 | 3.505 | 0.223 | 3.510 | 0.078 |
| 2.241 | 0.395 | 2.249 | 0.508 | 2.253 | 0.539 | 2.264 | 0.526 | 3.516 | -0.249 | 3.523 | -0.893 | 3.528 | -1.047 | 3.530 | -1.160 |
| 2.270 | 0.462 | 2.278 | 0.308 | 2.284 | 0.181 | 2.289 | 0.081 | 3.535 | -1.196 | 3.538 | -1.183 | 3.543 | -1.061 | 3.552 | -0.648 |
| 2.295 | -0.014 | 2.301 | -0.096 | 2.310 | -0.218 | 2.315 | -0.331 | 3.559 | -0.331 | 3.566 | -0.150 | 3.570 | -0.091 | 3.574 | -0.095 |
| 2.321 | -0.468 | 2.329 | -0.626 | 2.329 | -0.708 | 2.333 | -0.771 | 3.579 | -0.123 | 3.583 | -0.132 | 3.588 | -0.109 | 3.594 | -0.068 |
| 2.338 | -0.808 | 2.343 | -0.790 | 2.349 | -0.740 | 2.352 | -0.622 | 3.595 | 0.004 | 3.600 | 0.421 | 3.612 | 0.530 | 3.615 | 0.579 |
| 2.361 | -0.314 | 2.367 | -0.096 | 2.372 | -0.019 | 2.378 | 0.012 | 3.620 | 0.593 | 3.623 | 0.566 | 3.628 | 0.471 | 3.637 | 0.180 |
| 2.383 | -0.010 | 2.389 | -0.115 | 2.394 | -0.169 | 2.400 | -0.183 | 3.641 | -0.042 | 3.643 | -0.119 | 3.649 | -0.196 | 3.654 | -0.251 |
| 2.406 | -0.165 | 2.410 | -0.138 | 2.415 | -0.079 | 2.421 | 0.003 | 3.660 | -0.246 | 3.663 | -0.215 | 3.668 | -0.147 | 3.672 | -0.102 |
| 2.429 | 0.039 | 2.434 | 0.030 | 2.438 | -0.034 | 2.446 | -0.202 | 3.678 | -0.084 | 3.684 | -0.070 | 3.695 | -0.066 | 3.703 | -0.048 |
| 2.450 | -0.301 | 2.457 | -0.315 | 2.461 | -0.297 | 2.466 | -0.215 | 3.707 | -0.007 | 3.712 | 0.070 | 3.716 | 0.178 | 3.724 | 0.446 |
| 2.476 | 0.115 | 2.480 | 0.279 | 2.486 | 0.369 | 2.493 | 0.414 | 3.730 | 0.554 | 3.735 | 0.609 | 3.740 | 0.563 | 3.747 | 0.345 |
| 2.499 | 0.392 | 2.503 | 0.315 | 2.511 | 0.088 | 2.515 | -0.012 | 3.761 | -0.530 | 3.773 | -1.119 | 3.778 | -1.233 | 3.782 | -1.323 |
| 2.520 | -0.075 | 2.523 | -0.107 | 2.530 | -0.089 | 2.534 | -0.035 | 3.783 | -1.360 | 3.793 | -1.333 | 3.800 | -1.124 | 3.810 | -0.708 |
| 2.540 | 0.060 | 2.545 | -0.103 | 2.551 | -0.164 | 2.559 | 0.142 | 3.825 | -0.178 | 3.837 | 0.516 | 3.854 | 1.322 | 3.858 | 1.395 |
| 2.563 | 0.092 | 2.574 | -0.067 | 2.578 | -0.149 | 2.582 | -0.180 | 3.863 | 1.422 | 3.866 | 1.404 | 3.872 | 1.345 | 3.878 | 1.336 |
| 2.586 | -0.194 | 2.593 | -0.221 | 2.600 | -0.249 | 2.605 | -0.285 | 3.889 | 0.492 | 3.896 | 0.039 | 3.903 | -0.152 | 3.912 | -0.415 |
| 2.608 | -0.344 | 2.617 | -0.539 | 2.622 | -0.630 | 2.626 | -0.693 | 3.921 | -0.669 | 3.927 | -0.841 | 3.931 | -0.882 | 3.936 | -0.905 |
| 2.631 | -0.720 | 2.634 | -0.711 | 2.642 | -0.671 | 2.646 | -0.576 | 3.941 | -0.896 | 3.948 | -0.819 | 3.953 | -0.592 | 3.960 | -0.329 |
| 2.656 | -0.213 | 2.661 | -0.045 | 2.664 | -0.032 | 2.668 | 0.077 | 3.968 | -0.144 | 3.972 | -0.089 | 3.979 | -0.058 | 3.984 | -0.044 |
| 2.673 | 0.099 | 2.678 | 0.063 | 2.690 | -0.014 | 2.697 | 0.055 | 3.991 | -0.026 | 3.995 | -0.004 | 4.000 | 0.096 | 4.007 | 0.241 |
| 2.703 | -0.046 | 2.710 | -0.001 | 2.718 | -0.003 | 2.724 | -0.010 | 4.015 | 0.409 | 4.022 | 0.526 | 4.026 | 0.594 | 4.037 | 0.680 |
| 2.730 | -0.110 | 2.741 | -0.178 | 2.744 | -0.178 | 2.751 | -0.156 | 4.040 | 0.707 | 4.044 | 0.721 | 4.053 | 0.698 | 4.058 | 0.553 |
| 2.758 | -0.043 | 2.766 | 0.161 | 2.771 | 0.456 | 2.777 | 0.646 | 4.067 | 0.295 | 4.073 | 0.077 | 4.085 | -0.386 | 4.095 | -0.662 |
| 2.783 | 0.809 | 2.788 | 0.845 | 2.794 | 0.827 | 2.799 | 0.709 | 4.100 | -0.775 | 4.104 | -0.875 | 4.109 | -0.903 | 4.113 | -0.916 |
| 2.806 | 0.306 | 2.812 | 0.020 | 2.815 | -0.111 | 2.819 | -0.166 | 4.119 | -0.884 | 4.123 | -0.895 | 4.130 | -0.789 | 4.137 | -0.708 |
| 2.824 | -0.180 | 2.828 | -0.152 | 2.836 | -0.085 | 2.841 | -0.057 | 4.143 | -0.613 | 4.152 | -0.441 | 4.164 | -0.173 | 4.168 | -0.083 |
| 2.847 | -0.067 | 2.851 | -0.162 | 2.856 | -0.312 | 2.861 | -0.507 | 4.174 | -0.069 | 4.179 | -0.078 | 4.185 | -0.169 | 4.194 | -0.310 |
| 2.863 | -0.988 | 2.867 | -0.634 | 2.870 | -0.643 | 2.875 | -0.634 | 4.198 | -0.400 | 4.201 | -0.437 | 4.207 | -0.446 | 4.215 | -0.423 |
| 2.878 | -0.520 | 2.886 | -0.258 | 2.893 | 0.050 | 2.900 | 0.191 | 4.223 | -0.333 | 4.229 | -0.233 | 4.233 | -0.088 | 4.239 | 0.107 |
| 2.904 | 0.309 | 2.908 | 0.331 | 2.912 | 0.322 | 2.918 | 0.272 | 4.243 | 0.383 | 4.248 | 0.633 | 4.255 | 0.954 | 4.264 | 1.340 |
| 2.929 | 0.122 | 2.936 | 0.077 | 2.943 | 0.072 | 2.951 | 0.090 | 4.273 | 1.602 | 4.278 | 1.693 | 4.281 | 1.661 | 4.286 | 1.380 |
| 2.955 | 0.077 | 2.959 | 0.063 | 2.965 | 0.004 | 2.977 | -0.373 | 4.294 | 0.977 | 4.302 | 0.491 | 4.308 | 0.138 | 4.317 | -0.184 |
| 2.981 | -0.436 | 2.986 | -0.481 | 2.989 | -0.491 | 2.995 | -0.482 | 4.325 | -0.375 | 4.331 | -0.556 | 4.338 | -0.697 | 4.340 | -0.755 |
| 3.002 | -0.441 | 3.004 | -0.396 | 3.011 | -0.237 | 3.020 | -0.060 | 4.343 | -0.774 | 4.347 | -0.760 | 4.352 | -0.674 | 4.359 | -0.452 |
| 3.024 | -0.020 | 3.027 | -0.011 | 3.033 | -0.020 | 3.039 | -0.011 | 4.365 | -0.180 | 4.370 | -0.128 | 4.377 | 0.491 | 4.381 | 0.676 |
| 3.043 | 0.002 | 3.050 | 0.030 | 3.051 | 0.157 | 3.066 | 0.592 | 4.386 | 0.726 | 4.389 | 0.735 | 4.393 | 0.735 | 4.398 | 0.649 |
| 3.071 | 0.664 | 3.075 | 0.691 | 3.078 | 0.682 | 3.082 | 0.587 | 4.403 | 0.427 | 4.408 | 0.173 | 4.414 | -0.045 | 4.422 | -0.244 |
| 3.094 | 0.079 | 3.100 | -0.329 | 3.102 | -0.442 | 3.106 | -0.569 | 4.427 | -0.475 | 4.434 | -0.747 | 4.444 | -1.038 | 4.449 | -1.224 |
| 3.109 | -0.596 | 3.112 | -0.610 | 3.117 | -0.592 | 3.123 | -0.492 | 4.454 | -1.373 | 4.459 | -1.428 | 4.463 | -1.401 | 4.468 | -1.256 |
| 3.134 | -0.025 | 3.141 | -0.256 | 3.146 | 0.315 | 3.149 | 0.337 | 4.475 | -0.988 | 4.483 | 0.648 | 4.490 | 0.295 | 4.497 | -0.050 |
| 3.155 | 0.310 | 3.164 | 0.165 | 3.166 | 0.124 | 3.171 | 0.115 | 4.502 | 0.040 | 4.507 | 0.059 | 4.513 | 0.027 | 4.517 | -0.082 |
| 3.178 | 0.133 | 3.183 | 0.251 | 3.189 | 0.355 | 3.194 | 0.382 | 4.522 | -0.250 | 4.528 | -0.381 | 4.534 | -0.449 | 4.539 | -0.463 |
| 3.197 | 0.364 | 3.205 | 0.228 | 3.214 | -0.307 | 3.221 | -0.837 | 4.545 | -0.431 | 4.552 | -0.327 | 4.558 | -0.264 | 4.568 | -0.191 |
| 3.223 | -0.978 | 3.227 | -1.055 | 3.231 | -1.105 | 3.235 | -1.064 | 4.574 | -0.119 | 4.582 | 0.053 | 4.591 | 0.320 | 4.600 | 0.574 |
| 3.240 | -0.914 | 3.252 | -0.488 | 3.259 | -0.234 | 3.264 | -0.121 | 4.610 | 0.737 | 4.618 | 0.837 | 4.625 | 0.878 | 4.628 | 0.850 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 4.634 | 0.733 | 4.642 | 0.497 | 4.646 | 0.252 | 4.652 | -0.102 | 5.950 | 1.764 | 5.953 | 1.877 | 5.958 | 1.941 | 5.963 | 1.905 |
| 4.658 | -0.423 | 4.662 | -0.596 | 4.665 | -0.664 | 4.669 | -0.695 | 5.970 | 1.614 | 5.979 | 0.853 | 5.987 | 0.286 | 5.994 | -0.013 |
| 4.674 | -0.677 | 4.681 | -0.582 | 4.691 | -0.310 | 4.701 | -0.052 | 6.002 | -0.199 | 6.010 | -0.335 | 6.018 | -0.471 | 6.022 | -0.788 |
| 4.707 | 0.198 | 4.714 | 0.465 | 4.721 | 0.696 | 4.724 | 0.764 | 6.028 | -1.101 | 6.033 | -1.355 | 6.037 | -1.446 | 6.041 | -1.482 |
| 4.729 | 0.198 | 4.733 | 0.465 | 4.739 | 0.719 | 4.744 | 0.683 | 6.045 | -1.459 | 6.050 | -1.328 | 6.056 | -1.015 | 6.063 | -0.489 |
| 4.752 | 0.692 | 4.758 | 0.637 | 4.765 | 0.529 | 4.770 | 0.365 | 6.071 | -0.104 | 6.076 | 0.063 | 6.082 | 0.140 | 6.089 | 0.158 |
| 4.777 | 0.039 | 4.785 | -0.333 | 4.791 | -0.695 | 4.798 | -0.954 | 6.095 | 0.172 | 6.100 | 0.222 | 6.103 | 0.263 | 6.108 | 0.272 |
| 4.802 | -1.035 | 4.808 | -1.072 | 4.814 | -1.040 | 4.822 | -1.004 | 6.111 | 0.264 | 6.115 | -0.181 | 6.120 | 0.013 | 6.127 | -0.250 |
| 4.827 | -1.026 | 4.834 | -1.067 | 4.838 | -1.090 | 4.844 | -1.049 | 6.134 | -0.558 | 6.140 | -0.780 | 6.143 | -0.826 | 6.147 | -0.785 |
| 4.849 | -0.931 | 4.858 | -0.523 | 4.864 | -0.174 | 4.871 | 0.207 | 6.152 | -0.659 | 6.159 | -0.504 | 6.163 | -0.445 | 6.169 | -0.427 |
| 4.876 | 0.393 | 4.881 | 0.447 | 4.884 | 0.429 | 4.888 | 0.320 | 6.172 | -0.450 | 6.180 | -0.459 | 6.189 | -0.414 | 6.195 | -0.350 |
| 4.893 | 0.112 | 4.898 | 0.065 | 4.902 | -0.119 | 4.907 | -0.146 | 6.202 | -0.269 | 6.209 | -0.246 | 6.215 | -0.215 | 6.224 | -0.219 |
| 4.910 | -0.110 | 4.914 | -0.006 | 4.922 | 0.203 | 4.927 | 0.348 | 6.232 | -0.188 | 6.239 | 0.142 | 6.245 | -0.165 | 6.255 | -0.215 |
| 4.934 | 0.407 | 4.938 | 0.384 | 4.946 | 0.339 | 4.951 | 0.321 | 6.262 | -0.359 | 6.268 | -0.351 | 6.272 | -0.320 | 6.278 | -0.125 |
| 4.960 | 0.344 | 4.965 | 0.398 | 4.971 | 0.498 | 4.977 | 0.680 | 6.287 | 0.255 | 6.292 | 0.551 | 6.298 | 0.686 | 6.301 | 0.736 |
| 4.983 | 0.820 | 4.987 | 0.866 | 4.991 | 0.888 | 4.996 | 0.870 | 6.306 | 0.750 | 6.309 | 0.713 | 6.314 | 0.591 | 6.321 | 0.382 |
| 5.002 | -0.820 | 5.008 | 0.707 | 5.014 | 0.585 | 5.021 | 0.358 | 6.326 | 0.237 | 6.331 | 0.183 | 6.337 | 0.215 | 6.343 | 0.350 |
| 5.029 | 0.100 | 5.035 | -0.176 | 5.042 | -0.403 | 5.047 | -0.562 | 6.350 | 0.450 | 6.354 | 0.482 | 6.358 | 0.432 | 6.363 | 0.264 |
| 5.050 | -0.621 | 5.059 | -0.657 | 5.069 | -0.684 | 5.074 | -0.747 | 6.371 | -0.082 | 6.376 | -0.330 | 6.381 | -0.493 | 6.386 | -0.543 |
| 5.079 | -0.852 | 5.084 | -0.978 | 5.088 | -1.083 | 5.093 | -1.264 | 6.390 | -0.507 | 6.396 | -0.371 | 6.404 | -0.063 | 6.410 | 0.223 |
| 5.096 | -1.409 | 5.101 | -1.527 | 5.104 | -1.554 | 5.108 | -1.531 | 6.415 | 0.313 | 6.420 | 0.336 | 6.426 | 0.304 | 6.431 | 0.209 |
| 5.112 | -1.418 | 5.118 | -1.169 | 5.125 | -0.892 | 5.134 | -0.665 | 6.434 | 0.154 | 6.439 | 0.145 | 6.446 | 0.172 | 6.451 | 0.286 |
| 5.140 | -0.511 | 5.146 | -0.439 | 5.154 | -0.384 | 5.158 | -0.280 | 6.458 | 0.472 | 6.463 | 0.380 | 6.468 | 0.621 | 6.472 | 0.567 |
| 5.165 | -0.026 | 5.173 | 0.278 | 5.181 | 0.513 | 5.189 | 0.681 | 6.475 | 0.367 | 6.484 | -0.308 | 6.490 | -0.784 | 6.495 | -1.088 |
| 5.193 | 0.736 | 5.199 | 0.749 | 5.202 | 0.727 | 5.208 | 0.681 | 6.501 | -1.247 | 6.504 | -1.365 | 6.509 | -1.392 | 6.514 | -1.365 |
| 5.214 | 0.532 | 5.220 | 0.391 | 5.225 | 0.242 | 5.229 | 0.165 | 6.523 | -1.252 | 6.529 | -1.084 | 6.534 | -0.989 | 6.540 | -0.948 |
| 5.234 | 0.128 | 5.238 | 0.160 | 5.244 | 0.346 | 5.251 | 0.650 | 6.548 | -1.003 | 6.556 | -0.950 | 6.562 | -0.826 | 6.569 | -0.482 |
| 5.258 | 0.877 | 5.263 | 1.013 | 5.268 | 1.040 | 5.271 | 0.999 | 6.579 | 0.302 | 6.591 | 1.132 | 6.599 | 1.793 | 6.603 | 2.011 |
| 5.275 | 0.868 | 5.281 | 0.550 | 5.286 | 0.251 | 5.290 | 0.011 | 6.605 | 2.093 | 6.609 | 2.133 | 6.612 | 2.088 | 6.616 | 1.929 |
| 5.294 | -0.116 | 5.300 | -0.166 | 5.304 | -0.143 | 5.311 | -0.098 | 6.620 | 1.671 | 6.625 | 1.195 | 6.633 | 0.778 | 6.637 | 0.492 |
| 5.316 | -0.125 | 5.324 | -0.234 | 5.330 | -0.365 | 5.336 | -0.474 | 6.640 | 0.338 | 6.647 | 0.288 | 6.654 | 0.225 | 6.662 | 0.075 |
| 5.341 | -0.501 | 5.346 | -0.474 | 5.352 | -0.297 | 5.359 | 0.061 | 6.668 | -0.270 | 6.675 | -0.560 | 6.680 | -0.732 | 6.683 | -0.841 |
| 5.366 | 0.528 | 5.372 | 1.013 | 5.376 | 1.208 | 5.381 | 1.281 | 6.688 | -0.886 | 6.693 | -0.823 | 6.699 | -0.510 | 6.710 | -0.084 |
| 5.385 | 1.222 | 5.391 | 0.868 | 5.399 | 0.243 | 5.406 | -0.292 | 6.715 | 0.202 | 6.719 | 0.260 | 6.723 | 0.283 | 6.729 | 0.242 |
| 5.413 | -0.650 | 5.421 | -0.927 | 5.430 | -1.276 | 5.439 | -1.625 | 6.735 | 0.188 | 6.739 | 0.056 | 6.748 | 0.011 | 6.758 | -0.039 |
| 5.447 | -1.964 | 5.453 | -2.177 | 5.458 | -2.313 | 5.463 | -2.359 | 6.765 | -0.161 | 6.774 | -0.261 | 6.782 | -0.379 | 6.786 | -0.406 |
| 5.466 | -2.313 | 5.474 | -1.964 | 5.482 | -1.434 | 5.493 | -0.677 | 6.790 | -0.442 | 6.795 | -0.402 | 6.804 | -1.243 | 6.814 | 0.233 |
| 5.499 | 0.071 | 5.505 | 0.593 | 5.507 | 0.661 | 5.511 | 0.684 | 6.822 | 0.618 | 6.829 | 1.053 | 6.835 | 1.243 | 6.841 | 1.280 |
| 5.515 | 0.647 | 5.520 | 0.493 | 5.524 | 0.344 | 5.529 | 0.199 | 6.846 | 1.230 | 6.851 | 1.076 | 6.859 | 0.740 | 6.868 | 0.300 |
| 5.536 | 0.131 | 5.540 | 0.085 | 5.545 | 0.063 | 5.550 | 0.095 | 6.877 | -0.135 | 6.884 | -0.452 | 6.889 | -0.670 | 6.893 | -0.797 |
| 5.558 | 0.262 | 5.565 | 0.516 | 5.573 | 0.761 | 5.579 | 0.834 | 6.900 | -0.847 | 6.905 | -0.896 | 6.911 | -0.987 | 6.917 | -1.081 |
| 5.585 | 0.911 | 5.591 | 1.097 | 5.596 | 1.197 | 5.603 | 1.260 | 6.922 | -1.114 | 6.931 | -1.091 | 6.936 | -1.037 | 6.943 | -0.815 |
| 5.608 | 1.233 | 5.614 | 1.138 | 5.618 | 1.007 | 5.626 | 0.925 | 6.953 | -0.366 | 6.964 | 0.064 | 6.973 | 0.409 | 6.979 | 0.545 |
| 5.633 | 0.830 | 5.640 | 0.717 | 5.646 | 0.436 | 5.653 | 0.132 | 6.983 | 0.594 | 6.987 | 0.554 | 6.994 | 0.418 | 6.999 | 0.277 |
| 5.660 | -0.126 | 5.667 | -0.376 | 5.670 | -0.498 | 5.674 | -0.543 | 7.004 | 0.227 | 7.010 | 0.277 | 7.023 | 0.426 | 7.042 | 1.025 |
| 5.677 | -0.557 | 5.682 | -0.534 | 5.687 | -0.462 | 5.693 | -0.212 | 7.030 | 0.943 | 7.035 | 1.034 | 7.038 | 1.061 | 7.042 | 1.025 |
| 5.699 | 0.032 | 5.704 | 0.173 | 5.710 | 0.268 | 5.713 | 0.350 | 7.047 | 0.866 | 7.053 | 0.394 | 7.059 | 0.014 | 7.064 | -0.249 |
| 5.718 | 0.377 | 5.722 | 0.345 | 5.728 | 0.196 | 5.735 | -0.117 | 7.070 | -0.431 | 7.074 | -0.526 | 7.078 | -0.558 | 7.082 | -0.517 |
| 5.743 | -0.430 | 5.750 | -0.656 | 5.755 | -0.738 | 5.761 | -0.815 | 7.088 | -0.395 | 7.095 | -0.236 | 7.098 | -0.182 | 7.102 | -0.159 |
| 5.769 | -0.887 | 5.773 | -0.937 | 5.779 | -0.955 | 5.786 | -0.992 | 7.108 | -0.186 | 7.113 | -0.300 | 7.118 | -0.422 | 7.121 | -0.468 |
| 5.787 | -1.014 | 5.792 | -0.996 | 5.798 | -0.887 | 5.805 | -0.656 | 7.126 | -0.481 | 7.131 | -0.459 | 7.138 | -0.327 | 7.142 | -0.033 |
| 5.811 | -0.339 | 5.818 | -0.026 | 5.825 | 0.237 | 5.829 | 0.319 | 7.150 | 0.280 | 7.159 | 0.579 | 7.162 | 0.661 | 7.165 | 0.670 |
| 5.834 | 0.355 | 5.839 | 0.310 | 5.845 | 0.174 | 5.852 | 0.008 | 7.169 | 0.642 | 7.174 | 0.475 | 7.181 | 0.198 | 7.187 | -0.160 |
| 5.859 | -0.198 | 5.863 | -0.284 | 5.868 | -0.321 | 5.876 | -0.307 | 7.198 | -0.586 | 7.205 | -0.954 | 7.213 | -1.239 | 7.220 | -1.425 |
| 5.885 | -0.298 | 5.892 | -0.343 | 5.900 | -0.384 | 5.908 | -0.425 | 7.230 | -1.489 | 7.233 | -1.448 | 7.239 | -1.385 | 7.246 | -1.099 |
| 5.914 | -0.375 | 5.923 | -0.112 | 5.932 | 0.481 | 5.940 | 1.234 | 7.253 | -0.809 | 7.261 | -0.632 | 7.270 | -0.469 | 7.278 | -0.311 |

| | | | | | | | | | | | | | | | |
|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7.286 | -0.079 | 7.293 | 0.220 | 7.302 | 0.542 | 7.311 | 0.764 | 8.889 | -0.471 | 8.897 | -0.511 | 8.906 | -0.538 | 8.916 | -0.479 |
| 7.315 | 0.845 | 7.319 | 0.859 | 7.323 | 0.818 | 7.330 | 0.735 | 8.924 | -0.488 | 8.932 | -0.506 | 8.937 | -0.466 | 8.945 | -0.343 |
| 7.335 | 0.668 | 7.339 | 0.636 | 7.346 | 0.691 | 7.355 | 0.858 | 8.954 | -0.148 | 8.958 | -0.085 | 8.964 | -0.057 | 8.968 | -0.080 |
| 7.360 | 1.017 | 7.364 | 1.085 | 7.369 | 1.108 | 7.373 | 1.085 | 8.976 | -0.139 | 8.980 | -0.297 | 8.985 | -0.420 | 8.987 | -0.456 |
| 7.379 | 0.958 | 7.384 | 0.677 | 7.393 | 0.310 | 7.399 | 0.024 | 8.992 | -0.479 | 8.998 | -0.429 | 9.006 | -0.311 | 9.015 | -0.134 |
| 7.403 | -0.107 | 7.410 | -0.203 | 7.416 | -0.280 | 7.422 | -0.339 | 9.023 | 0.088 | 9.034 | 0.428 | 9.043 | 0.669 | 9.053 | 0.809 |
| 7.433 | -0.384 | 7.439 | -0.443 | 7.445 | -0.493 | 7.451 | -0.520 | 9.062 | 1.077 | 9.073 | 1.417 | 9.073 | 1.417 | 9.078 | 1.458 |
| 7.457 | -0.493 | 7.465 | -0.397 | 7.471 | -0.275 | 7.475 | -0.098 | 9.084 | 1.426 | 9.092 | 1.335 | 9.097 | 1.372 | 9.104 | 1.250 |
| 7.483 | -0.003 | 7.487 | 0.106 | 7.493 | 0.151 | 7.498 | 0.101 | 9.110 | 1.055 | 9.118 | 0.833 | 9.129 | 0.439 | 9.138 | 0.131 |
| 7.503 | -0.057 | 7.510 | -0.420 | 7.517 | -0.719 | 7.523 | -0.896 | 9.145 | -0.154 | 9.153 | -0.404 | 9.157 | -0.558 | 9.167 | -0.653 |
| 7.528 | -1.005 | 7.534 | -1.037 | 7.541 | -0.996 | 7.546 | -0.901 | 9.175 | -0.811 | 9.182 | -1.079 | 9.189 | -1.296 | 9.196 | -1.427 |
| 7.553 | -0.860 | 7.559 | -0.901 | 7.565 | -0.991 | 7.571 | -1.055 | 9.199 | -1.527 | 9.209 | -1.568 | 9.215 | -1.540 | 9.221 | -1.386 |
| 7.574 | -1.086 | 7.579 | -1.037 | 7.588 | -0.647 | 7.597 | 0.011 | 9.228 | -1.196 | 9.235 | -0.756 | 9.248 | -0.357 | 9.255 | -0.057 |
| 7.608 | 0.654 | 7.614 | 1.026 | 7.621 | 1.212 | 7.632 | 1.203 | 9.264 | 0.450 | 9.279 | 0.455 | 9.286 | 0.541 | 9.286 | 0.541 |
| 7.638 | 1.293 | 7.647 | 1.466 | 7.652 | 1.520 | 7.657 | 1.529 | 9.291 | 0.562 | 9.296 | 0.542 | 9.304 | 0.415 | 9.311 | 0.256 |
| 7.662 | 1.493 | 7.670 | 1.343 | 7.677 | 1.216 | 7.685 | 0.881 | 9.318 | 0.093 | 9.323 | 0.034 | 9.330 | 0.016 | 9.338 | 0.071 |
| 7.693 | 0.400 | 7.706 | -0.592 | 7.714 | -1.059 | 7.719 | -1.349 | 9.348 | 0.130 | 9.355 | 0.221 | 9.365 | 0.439 | 9.372 | 0.706 |
| 7.722 | -1.494 | 7.726 | -1.526 | 7.732 | -1.485 | 7.739 | -1.381 | 9.381 | 1.005 | 9.388 | 1.164 | 9.397 | 1.214 | 9.404 | 1.169 |
| 7.748 | -1.227 | 7.756 | -0.978 | 7.767 | -0.633 | 7.779 | -0.334 | 9.410 | 1.060 | 9.416 | 0.793 | 9.424 | 0.480 | 9.431 | 0.009 |
| 7.789 | 0.001 | 7.797 | 0.233 | 7.806 | 0.350 | 7.811 | 0.396 | 9.442 | -0.489 | 9.452 | -1.051 | 9.459 | -1.296 | 9.467 | -1.468 |
| 7.817 | 0.432 | 7.823 | 0.405 | 7.831 | 0.278 | 7.837 | 0.169 | 9.474 | -1.541 | 9.479 | -1.568 | 9.485 | -1.545 | 9.494 | -1.455 |
| 7.844 | 0.069 | 7.849 | 0.011 | 7.855 | 0.024 | 7.862 | 0.015 | 9.500 | -1.301 | 9.507 | -1.106 | 9.516 | -0.707 | 9.524 | -0.448 |
| 7.867 | 0.092 | 7.875 | 0.260 | 7.884 | 0.418 | 7.893 | 0.532 | 9.531 | -0.199 | 9.535 | -0.068 | 9.543 | -0.018 | 9.549 | -0.036 |
| 7.901 | 0.604 | 7.908 | 0.795 | 7.915 | 0.949 | 7.923 | 1.017 | 9.556 | -0.140 | 9.562 | -0.267 | 9.567 | -0.317 | 9.572 | -0.335 |
| 7.930 | 0.985 | 7.936 | 0.899 | 7.942 | 0.758 | 7.950 | 0.450 | 9.582 | -0.299 | 9.587 | -0.190 | 9.594 | -0.063 | 9.603 | 0.018 |
| 7.958 | 0.133 | 7.968 | -0.139 | 7.974 | -0.316 | 7.980 | -0.406 | 9.609 | 0.055 | 9.616 | 0.023 | 9.621 | -0.054 | 9.626 | -0.072 |
| 7.988 | -0.465 | 7.996 | -0.493 | 8.007 | -0.474 | 8.011 | -0.511 | 9.631 | -0.041 | 9.638 | 0.077 | 9.645 | 0.150 | 9.655 | 0.191 |
| 8.017 | -0.620 | 8.024 | -0.660 | 8.031 | -0.633 | 8.041 | -0.565 | 9.662 | 0.268 | 9.667 | 0.172 | 9.674 | 0.150 | 9.682 | 0.073 |
| 8.047 | -0.474 | 8.056 | -0.348 | 8.065 | -0.298 | 8.072 | -0.307 | 9.689 | -0.145 | 9.697 | -0.345 | 9.707 | -0.404 | 9.716 | -0.327 |
| 8.080 | -0.357 | 8.087 | -0.368 | 8.093 | -0.366 | 8.101 | -0.221 | 9.724 | -0.309 | 9.735 | -0.050 | 9.741 | -0.055 | 9.752 | -0.181 |
| 8.110 | -0.103 | 8.116 | -0.048 | 8.126 | -0.048 | 8.132 | -0.044 | 9.767 | 0.371 | 9.779 | 0.362 | 9.785 | 0.552 | 9.795 | 0.584 |
| 8.143 | 0.029 | 8.153 | 0.219 | 8.164 | 0.527 | 8.172 | 0.894 | 9.790 | 0.574 | 9.799 | 0.660 | 9.805 | 0.701 | 9.811 | 0.647 |
| 8.179 | 1.035 | 8.188 | 1.121 | 8.198 | 1.180 | 8.207 | 1.253 | 9.817 | 0.515 | 9.826 | 0.393 | 9.834 | 0.134 | 9.839 | -0.124 |
| 8.212 | 1.216 | 8.219 | 1.112 | 8.228 | 0.876 | 8.236 | 0.559 | 9.851 | -0.197 | 9.855 | -0.414 | 9.861 | -0.569 | 9.868 | -0.628 |
| 8.247 | 0.174 | 8.257 | -0.112 | 8.269 | -0.334 | 8.282 | -0.560 | 9.872 | -0.745 | 9.878 | -0.795 | 9.884 | -0.732 | 9.895 | -0.709 |
| 8.297 | -0.814 | 8.311 | -0.981 | 8.323 | -1.095 | 8.330 | -1.153 | 9.902 | -0.478 | 9.907 | -0.338 | 9.917 | -0.075 | 9.924 | 0.252 |
| 8.336 | -1.172 | 8.342 | -1.140 | 8.350 | -1.044 | 8.357 | -0.831 | 9.933 | 0.360 | 9.940 | 0.519 | 9.947 | 0.732 | 9.952 | 0.786 |
| 8.365 | -0.487 | 8.374 | -0.206 | 8.379 | -0.024 | 8.385 | 0.098 | 9.960 | 0.318 | 9.964 | 0.277 | 9.971 | 0.560 | 9.979 | 0.115 |
| 8.389 | 0.207 | 8.395 | 0.230 | 8.402 | 0.271 | 8.407 | 0.303 | 9.988 | -0.211 | 9.994 | -0.411 | 9.998 | -0.519 | 10.004 | -0.714 |
| 8.412 | 0.271 | 8.416 | 0.212 | 8.426 | 0.117 | 8.434 | -0.032 | 10.013 | -0.341 | 10.021 | -0.977 | 10.027 | -0.950 | 10.035 | -0.928 |
| 8.442 | -0.213 | 8.450 | -0.526 | 8.455 | -0.662 | 8.460 | -0.752 | 10.045 | -0.792 | 10.054 | -0.583 | 10.062 | -0.325 | 10.069 | -0.135 |
| 8.464 | -0.770 | 8.470 | -0.743 | 8.474 | -0.648 | 8.480 | -0.389 | 10.079 | -0.121 | 10.084 | -0.148 | 10.089 | -0.261 | 10.098 | -0.484 |
| 8.489 | -0.008 | 8.495 | 0.264 | 8.500 | 0.441 | 8.506 | 0.500 | 10.104 | -0.588 | 10.108 | -0.769 | 10.121 | -0.801 | 10.128 | -0.733 |
| 8.512 | 0.478 | 8.523 | 0.396 | 8.530 | 0.310 | 8.542 | 0.220 | 10.134 | -0.674 | 10.143 | -0.656 | 10.150 | -0.746 | 10.155 | -0.801 |
| 8.550 | 0.134 | 8.557 | 0.044 | 8.565 | -0.137 | 8.574 | -0.368 | 10.160 | -0.824 | 10.170 | -0.746 | 10.177 | -0.502 | 10.191 | -0.021 |
| 8.583 | -0.604 | 8.591 | -0.794 | 8.598 | -0.934 | 8.602 | -0.975 | 10.203 | 0.242 | 10.215 | 0.441 | 10.226 | 0.517 | 10.237 | 1.198 |
| 8.608 | -1.011 | 8.614 | -0.984 | 8.623 | -0.893 | 8.631 | -0.766 | 10.245 | 1.443 | 10.251 | 1.538 | 10.266 | 1.543 | 10.267 | 1.466 |
| 8.641 | -0.634 | 8.648 | -0.557 | 8.657 | -0.566 | 8.666 | -0.529 | 10.272 | 1.366 | 10.281 | 1.230 | 10.290 | 0.835 | 10.298 | 0.264 |
| 8.674 | -0.339 | 8.685 | -0.142 | 8.694 | -0.586 | 8.701 | -0.854 | 10.309 | -0.542 | 10.320 | -1.250 | 10.327 | -1.744 | 10.332 | -1.998 |
| 8.708 | 1.054 | 8.713 | 1.176 | 8.719 | 1.235 | 8.722 | 1.190 | 10.341 | -2.052 | 10.347 | -2.025 | 10.356 | -1.852 | 10.364 | -1.648 |
| 8.726 | 1.131 | 8.734 | 1.072 | 8.739 | 0.923 | 8.748 | 0.615 | 10.374 | -1.245 | 10.384 | -0.715 | 10.394 | -0.334 | 10.403 | 0.033 |
| 8.754 | 0.275 | 8.763 | 0.119 | 8.770 | -0.387 | 8.776 | -0.577 | 10.411 | 0.201 | 10.417 | 0.278 | 10.424 | 0.246 | 10.429 | 0.151 |
| 8.780 | -0.690 | 8.789 | -0.722 | 8.797 | -0.699 | 8.807 | -0.649 | 10.435 | -0.116 | 10.442 | -0.302 | 10.449 | -0.533 | 10.453 | -0.651 |
| 8.812 | -0.499 | 8.821 | -0.236 | 8.830 | 0.054 | 8.838 | 0.336 | 10.460 | -0.683 | 10.468 | -0.561 | 10.478 | -0.357 | 10.488 | 0.006 |
| 8.844 | 0.544 | 8.850 | 0.630 | 8.854 | 0.599 | 8.861 | 0.563 | 10.499 | -0.432 | 10.513 | 0.517 | 10.526 | 1.379 | 10.536 | 1.647 |
| 8.867 | 0.241 | 8.874 | -0.027 | 8.881 | -0.240 | 8.885 | -0.375 | 10.543 | 1.801 | 10.548 | 1.855 | 10.553 | 1.801 | 10.560 | 1.479 |

| | | | | | | | | | | | | | | | |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 10.571 | 0.922 | 10.578 | 0.391 | 10.587 | -0.057 | 10.596 | -0.678 | 12.423 | 0.009 | 12.436 | -0.494 | 12.449 | -0.853 | 12.458 | -1.202 |
| 10.604 | -0.050 | 10.616 | -1.590 | 10.624 | -1.884 | 10.628 | -2.034 | 12.468 | -1.316 | 12.477 | -1.176 | 12.486 | -1.022 | 12.492 | -1.081 |
| 10.638 | -2.115 | 10.641 | -2.066 | 10.647 | -1.871 | 10.655 | -1.730 | 12.508 | -0.776 | 12.520 | -0.570 | 12.527 | -0.326 | 12.533 | -0.280 |
| 10.663 | -0.955 | 10.675 | -0.107 | 10.685 | -0.849 | 10.697 | 1.311 | 12.537 | -0.176 | 12.551 | -0.036 | 12.559 | -0.005 | 12.567 | -0.117 |
| 10.705 | 1.774 | 10.714 | 1.978 | 10.719 | 2.059 | 10.725 | 2.109 | 12.577 | -0.006 | 12.597 | 0.102 | 12.608 | 0.174 | 12.626 | 0.351 |
| 10.732 | 2.000 | 10.739 | 1.701 | 10.745 | 1.266 | 10.754 | 0.709 | 12.643 | 0.431 | 12.654 | 0.327 | 12.681 | 0.186 | 12.692 | 0.001 |
| 10.765 | 0.042 | 10.774 | -0.588 | 10.783 | -0.928 | 10.788 | -1.150 | 12.701 | -0.276 | 12.707 | -0.330 | 12.711 | -0.412 | 12.719 | -0.371 |
| 10.797 | -1.313 | 10.803 | -1.254 | 10.809 | -1.132 | 10.818 | -0.969 | 12.732 | -0.393 | 12.738 | -0.488 | 12.748 | -0.497 | 12.753 | -0.574 |
| 10.828 | -0.901 | 10.838 | -0.624 | 10.853 | -0.275 | 10.861 | -0.103 | 12.760 | -0.473 | 12.767 | -0.574 | 12.777 | -0.429 | 12.784 | -0.393 |
| 10.869 | 0.137 | 10.874 | 0.215 | 10.880 | 0.246 | 10.885 | 0.215 | 12.792 | -0.279 | 12.800 | -0.311 | 12.818 | 0.179 | 12.832 | 0.641 |
| 10.894 | 0.083 | 10.902 | -0.067 | 10.906 | -0.171 | 10.912 | -0.212 | 12.838 | 0.660 | 12.846 | 0.886 | 12.852 | 0.991 | 12.871 | 0.819 |
| 10.920 | -0.166 | 10.926 | -0.062 | 10.933 | 0.101 | 10.943 | 0.201 | 12.884 | 0.696 | 12.891 | -0.373 | 12.907 | -0.071 | 12.919 | -0.137 |
| 10.952 | 0.450 | 10.962 | 0.618 | 10.972 | 0.799 | 10.981 | 0.863 | 12.924 | -0.328 | 12.931 | -0.373 | 12.943 | -0.232 | 12.953 | -0.042 |
| 10.989 | 1.053 | 10.998 | 1.257 | 11.006 | 1.357 | 11.014 | 1.411 | 12.963 | -0.069 | 12.973 | 0.022 | 12.984 | -0.209 | 12.993 | -0.463 |
| 11.021 | 1.370 | 11.028 | 1.239 | 11.038 | 0.931 | 11.047 | 0.664 | 13.003 | -0.200 | 13.011 | -0.218 | 13.022 | -0.027 | 13.032 | -0.281 |
| 11.059 | -0.162 | 11.072 | -1.195 | 11.086 | -1.784 | 11.091 | -2.061 | 13.043 | -0.340 | 13.051 | -0.471 | 13.059 | -0.526 | 13.064 | -0.430 |
| 11.095 | -2.134 | 11.099 | -2.165 | 11.108 | -2.115 | 11.117 | -1.880 | 13.069 | -0.431 | 13.077 | -0.213 | 13.092 | -0.241 | 13.101 | -0.087 |
| 11.129 | -1.481 | 11.144 | -0.982 | 11.153 | -0.620 | 11.158 | -0.538 | 13.107 | -0.060 | 13.118 | 0.162 | 13.126 | 0.171 | 13.135 | 0.384 |
| 11.163 | -0.520 | 11.170 | -0.456 | 11.177 | -0.484 | 11.185 | -0.533 | 13.139 | 0.389 | 13.148 | 0.588 | 13.156 | 0.574 | 13.166 | 0.769 |
| 11.189 | -0.579 | 11.194 | -0.592 | 11.204 | -0.461 | 11.212 | -0.447 | 13.177 | 0.678 | 13.191 | 0.592 | 13.202 | 0.369 | 13.207 | 0.365 |
| 11.223 | -0.366 | 11.230 | -0.284 | 11.240 | 0.001 | 11.250 | 0.477 | 13.212 | 0.301 | 13.217 | 0.342 | 13.223 | -0.016 | 13.225 | -0.098 |
| 11.261 | 0.836 | 11.270 | 1.080 | 11.276 | 1.144 | 11.282 | 1.148 | 13.235 | -0.229 | 13.243 | -0.425 | 13.251 | -0.620 | 13.261 | -0.933 |
| 11.288 | 1.003 | 11.296 | 0.935 | 11.302 | 0.759 | 11.310 | 0.414 | 13.265 | -0.960 | 13.273 | -1.100 | 13.282 | -1.069 | 13.290 | -1.132 |
| 11.321 | 0.124 | 11.326 | -0.111 | 11.330 | -0.284 | 11.338 | -0.343 | 13.300 | -0.109 | 13.314 | -0.856 | 13.322 | -0.693 | 13.328 | -0.907 |
| 11.340 | -0.406 | 11.346 | -0.438 | 11.354 | -0.306 | 11.362 | -0.270 | 13.341 | -0.617 | 13.350 | -0.508 | 13.358 | -0.413 | 13.375 | -0.205 |
| 11.372 | 0.088 | 11.381 | 0.437 | 11.391 | 0.678 | 11.399 | 0.732 | 13.387 | 0.022 | 13.397 | 0.022 | 13.404 | 0.080 | 13.419 | -0.101 |
| 11.406 | 0.932 | 11.410 | 1.004 | 11.414 | 1.022 | 11.420 | 1.000 | 13.428 | -0.206 | 13.436 | -0.142 | 13.451 | -0.315 | 13.469 | -0.446 |
| 11.426 | 0.841 | 11.432 | 0.660 | 11.444 | 0.442 | 11.449 | 0.261 | 13.480 | -0.569 | 13.490 | -0.537 | 13.503 | -0.284 | 13.514 | 0.056 |
| 11.461 | 0.116 | 11.466 | -0.043 | 11.474 | -0.092 | 11.479 | -0.188 | 13.523 | 0.292 | 13.530 | 0.446 | 13.539 | 0.391 | 13.548 | 0.514 |
| 11.487 | -0.242 | 11.495 | -0.473 | 11.501 | -0.468 | 11.510 | -0.441 | 13.558 | 0.699 | 13.579 | 0.726 | 13.596 | 0.563 | 13.606 | 0.164 |
| 11.517 | -0.282 | 11.526 | -0.191 | 11.533 | 0.135 | 11.541 | 0.457 | 13.618 | -0.063 | 13.624 | -0.154 | 13.631 | -0.113 | 13.640 | -0.177 |
| 11.546 | 0.607 | 11.554 | 0.657 | 11.562 | 0.689 | 11.568 | 0.848 | 13.644 | -0.136 | 13.651 | -0.290 | 13.667 | -0.413 | 13.675 | -0.521 |
| 11.574 | 0.907 | 11.582 | 0.866 | 11.586 | 0.826 | 11.590 | 0.676 | 13.689 | -0.340 | 13.705 | -0.354 | 13.712 | -0.345 | 13.729 | -0.409 |
| 11.595 | 0.663 | 11.600 | 0.608 | 11.606 | 0.387 | 11.619 | 0.187 | 13.740 | -0.264 | 13.751 | -0.046 | 13.762 | -0.019 | 13.777 | -0.092 |
| 11.621 | 0.051 | 11.625 | -0.035 | 11.634 | -0.007 | 11.638 | -0.034 | 13.782 | -0.060 | 13.792 | -0.078 | 13.805 | 0.012 | 13.824 | 0.125 |
| 11.643 | 0.034 | *11.650 | 0.034 | 11.658 | 0.116 | 11.663 | 0.094 | 13.834 | 0.130 | 13.844 | 0.125 | 13.860 | 0.215 | 13.877 | 0.235 |
| 11.672 | 0.171 | 11.680 | 0.112 | 11.691 | 0.344 | 11.702 | 0.485 | 13.888 | 0.278 | 13.906 | 0.074 | 13.926 | -0.162 | 13.943 | -0.235 |
| 11.709 | 0.621 | 11.716 | 0.649 | 11.721 | 0.635 | 11.727 | 0.500 | 13.950 | -0.153 | 13.959 | -0.267 | 13.965 | -0.199 | 13.973 | -0.272 |
| 11.732 | 0.463 | 11.740 | 0.264 | 11.746 | 0.011 | 11.753 | -0.189 | 13.996 | -0.200 | 14.010 | -0.014 | 14.022 | 0.158 | 14.040 | 0.248 |
| 11.762 | -0.338 | 11.767 | -0.478 | 11.778 | -0.537 | 11.785 | -0.641 | 14.051 | 0.176 | 14.060 | 0.194 | 14.080 | 0.017 | 14.090 | -0.201 |
| 11.795 | -0.604 | 11.800 | -0.640 | 11.806 | -0.595 | 11.809 | -0.504 | 14.100 | -0.292 | 14.119 | -0.193 | 14.141 | -0.048 | 14.155 | 0.215 |
| 11.814 | -0.445 | 11.823 | -0.177 | 11.835 | 0.109 | 11.849 | 0.268 | 14.161 | 0.206 | 14.177 | 0.282 | 14.188 | 0.260 | 14.205 | 0.141 |
| 11.864 | 0.205 | 11.877 | 0.106 | 11.891 | -0.030 | 11.903 | 0.025 | 14.222 | 0.082 | 14.235 | -0.127 | 14.246 | -0.294 | 14.258 | -0.589 |
| 11.917 | 0.343 | 11.929 | 0.588 | 11.936 | 0.869 | 11.945 | 0.978 | 14.267 | -0.626 | 14.284 | -0.862 | 14.313 | -0.844 | 14.338 | -0.427 |
| 11.950 | 1.218 | 11.962 | 1.296 | 11.969 | 1.196 | 11.981 | 1.033 | 14.358 | 0.143 | 14.377 | 0.637 | 14.398 | 0.827 | 14.422 | 0.713 |
| 11.986 | 0.843 | 11.998 | 0.354 | 12.010 | 0.073 | 12.027 | -0.448 | 14.449 | 0.699 | 14.466 | 0.359 | 14.486 | 0.059 | 14.498 | -0.060 |
| 12.028 | -0.447 | 12.038 | -0.928 | 12.045 | -0.928 | 12.052 | -1.299 | 14.507 | -0.015 | 14.534 | -0.048 | 14.547 | -0.017 | 14.566 | -0.049 |
| 12.063 | -1.299 | 12.074 | -1.172 | 12.079 | -1.023 | 12.085 | -0.755 | 14.589 | 0.181 | 14.602 | 0.294 | 14.633 | 0.097 | 14.642 | 0.088 |
| 12.096 | -0.252 | 12.106 | 0.029 | 12.113 | 0.029 | 12.123 | 0.111 | 14.654 | 0.033 | 14.672 | 0.104 | 14.690 | 0.158 | 14.711 | 0.043 |
| 12.134 | 0.174 | 12.145 | 0.052 | 12.153 | 0.002 | 12.162 | -0.256 | 14.726 | -0.071 | 14.744 | -0.171 | 14.767 | -0.191 | 14.783 | -0.255 |
| 12.169 | -0.574 | 12.175 | -0.768 | 12.182 | -0.850 | 12.192 | -1.058 | 14.792 | -0.138 | 14.798 | -0.133 | 14.805 | -0.007 | 14.818 | 0.165 |
| 12.199 | -0.999 | 12.204 | -1.022 | 12.219 | -0.887 | 12.225 | -0.542 | 14.827 | -0.200 | 14.834 | 0.273 | 14.847 | 0.372 | 14.874 | 0.471 |
| 12.233 | -0.356 | 12.245 | 0.111 | 12.258 | 0.963 | 12.270 | 0.963 | 14.884 | 0.408 | 14.894 | 0.226 | 14.906 | 0.158 | 14.921 | -0.160 |
| 12.280 | 1.316 | 12.293 | 1.397 | 12.306 | 1.256 | 12.317 | 0.897 | 14.935 | -0.237 | 14.956 | -0.500 | 14.967 | -0.460 | 14.982 | -0.464 |
| 12.322 | 0.716 | 12.338 | 0.561 | 12.349 | 0.488 | 12.366 | 0.265 | 15.003 | -0.324 | 15.024 | -0.320 | 15.042 | -0.406 | 15.059 | -0.320 |
| 12.374 | 0.165 | 12.388 | 0.179 | 12.396 | 0.183 | 12.404 | 0.250 | 15.066 | -0.271 | 15.087 | -0.026 | 15.102 | 0.033 | 15.122 | 0.056 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 15.135 | 0.068 | 15.156 | 0.020 | 15.167 | -0.053 | 15.184 | -0.053 | 18.186 | 0.028 | 18.195 | 0.074 | 18.203 | -0.026 | 18.211 | -0.098 |
| 15.192 | 0.024 | 15.206 | 0.219 | 15.227 | 0.369 | 15.242 | 0.337 | 18.228 | 0.015 | 18.236 | -0.030 | 18.242 | 0.097 | 18.247 | 0.060 |
| 15.265 | 0.590 | 15.280 | 0.590 | 15.293 | 0.459 | 15.310 | 0.317 | 18.256 | 0.178 | 18.276 | 0.188 | 18.283 | 0.074 | 18.302 | 0.306 |
| 15.326 | 0.073 | 15.347 | -0.027 | 15.361 | -0.159 | 15.377 | -0.091 | 18.310 | 0.188 | 18.322 | 0.328 | 18.329 | 0.324 | 18.354 | 0.424 |
| 15.401 | 0.099 | 15.412 | 0.095 | 15.432 | -0.123 | 15.445 | -0.034 | 18.371 | 0.424 | 18.391 | 0.270 | 18.398 | 0.161 | 18.407 | 0.157 |
| 15.455 | -0.464 | 15.474 | -0.233 | 15.491 | -0.052 | 15.508 | 0.152 | 18.415 | 0.070 | 18.428 | 0.143 | 18.435 | 0.025 | 18.466 | 0.329 |
| 15.522 | 0.396 | 15.532 | 0.486 | 15.546 | 0.364 | 15.562 | 0.155 | 18.476 | 0.298 | 18.485 | 0.434 | 18.501 | 0.421 | 18.553 | 0.027 |
| 15.569 | 0.064 | 15.577 | 0.118 | 15.584 | 0.095 | 15.590 | 0.268 | 18.578 | -0.145 | 18.588 | -0.113 | 18.596 | -0.190 | 18.604 | -0.081 |
| 15.597 | 0.254 | 15.611 | 0.421 | 15.630 | 0.430 | 15.643 | 0.466 | 18.616 | -0.153 | 18.630 | -0.157 | 18.638 | -0.207 | 18.656 | -0.089 |
| 15.659 | 0.370 | 15.671 | 0.265 | 15.691 | -0.026 | 15.709 | -0.217 | 18.673 | 0.233 | 18.703 | 0.442 | 18.714 | 0.442 | 18.731 | 0.524 |
| 15.738 | -0.109 | 15.749 | -0.018 | 15.754 | -0.055 | 15.776 | 0.076 | 18.761 | 0.384 | 18.772 | 0.230 | 18.787 | 0.185 | 18.796 | 0.266 |
| 15.801 | 0.152 | 15.819 | 0.079 | 15.833 | -0.062 | 15.853 | -0.276 | 18.808 | 0.176 | 18.818 | 0.203 | 18.833 | -0.033 | 18.851 | -0.273 |
| 15.865 | -0.449 | 15.880 | -0.467 | 15.891 | -0.563 | 15.906 | -0.505 | 18.866 | -0.482 | 18.874 | -0.451 | 18.882 | -0.510 | 18.900 | -0.456 |
| 15.923 | -0.401 | 15.944 | -0.207 | 15.962 | -0.031 | 15.986 | 0.122 | 18.922 | -0.312 | 18.931 | -0.162 | 18.951 | -0.027 | 18.970 | -0.091 |
| 16.011 | 0.375 | 16.036 | 0.565 | 16.049 | 0.678 | 16.061 | 0.709 | 18.982 | -0.168 | 18.990 | -0.100 | 19.004 | -0.124 | 19.009 | -0.015 |
| 16.078 | 0.596 | 16.105 | 0.287 | 16.131 | -0.121 | 16.144 | -0.380 | 19.056 | 0.024 | 19.061 | -0.026 | 19.086 | 0.232 | 19.110 | 0.322 |
| 16.158 | -0.529 | 16.168 | -0.507 | 16.174 | -0.403 | 16.181 | -0.416 | 19.132 | 0.230 | 19.142 | 0.167 | 19.153 | 0.048 | 19.162 | 0.071 |
| 16.188 | -0.298 | 16.203 | -0.240 | 16.228 | -0.090 | 16.251 | 0.127 | 19.173 | -0.156 | 19.182 | -0.134 | 19.189 | -0.343 | 19.199 | -0.289 |
| 16.275 | 0.250 | 16.300 | 0.177 | 16.318 | -0.049 | 16.333 | 0.065 | 19.209 | -0.420 | 19.229 | -0.326 | 19.247 | -0.190 | 19.274 | 0.010 |
| 16.341 | 0.187 | 16.348 | 0.146 | 16.356 | 0.169 | 16.375 | 0.055 | 19.288 | 0.119 | 19.303 | 0.096 | 19.321 | 0.024 | 19.344 | 0.053 |
| 16.385 | -0.026 | 16.413 | -0.203 | 16.440 | -0.357 | 16.457 | -0.438 | 19.367 | -0.080 | 19.382 | -0.066 | 19.412 | 0.311 | 19.423 | 0.451 |
| 16.478 | -0.320 | 16.498 | -0.112 | 16.506 | 0.033 | 16.513 | -0.003 | 19.434 | 0.383 | 19.445 | 0.451 | 19.462 | 0.261 | 19.483 | -0.006 |
| 16.531 | 0.151 | 16.550 | 0.260 | 16.562 | 0.350 | 16.572 | 0.378 | 19.499 | -0.155 | 19.516 | -0.264 | 19.533 | -0.132 | 19.553 | 0.108 |
| 16.596 | 0.278 | 16.617 | 0.110 | 16.635 | -0.039 | 16.659 | -0.162 | 19.590 | 0.394 | 19.619 | 0.245 | 19.643 | -0.104 | 19.663 | -0.358 |
| 16.667 | -0.184 | 16.681 | -0.325 | 16.690 | -0.388 | 16.710 | -0.343 | 19.679 | -0.381 | 19.730 | 0.122 | 19.751 | 0.262 | 19.776 | 0.099 |
| 16.724 | -0.148 | 16.735 | -0.162 | 16.746 | -0.085 | 16.757 | 0.142 | 19.790 | 0.085 | 19.809 | -0.187 | 19.825 | -0.355 | 19.860 | -0.011 |
| 16.780 | 0.323 | 16.789 | 0.310 | 16.806 | 0.069 | 16.824 | -0.098 | 19.885 | 0.143 | 19.899 | 0.143 | 19.924 | 0.279 | 19.947 | 0.147 |
| 16.836 | -0.266 | 16.853 | -0.443 | 16.861 | -0.425 | 16.872 | -0.506 | 19.974 | 0.034 | 19.997 | 0.052 | 20.042 | 0.024 | 20.071 | -0.144 |
| 16.880 | -0.347 | 16.900 | 0.020 | 16.912 | 0.224 | 16.927 | 0.256 | 20.091 | -0.207 | 20.124 | -0.185 | 20.139 | -0.253 | 20.164 | -0.199 |
| 16.934 | 0.351 | 16.944 | 0.265 | 16.950 | 0.265 | 16.962 | 0.129 | 20.192 | -0.153 | 20.203 | -0.231 | 20.215 | -0.090 | 20.228 | -0.063 |
| 16.972 | -0.111 | 16.992 | -0.387 | 17.000 | -0.338 | 17.007 | -0.365 | 20.237 | 0.077 | 20.249 | 0.018 | 20.257 | 0.086 | 20.262 | 0.055 |
| 17.019 | -0.256 | 17.031 | -0.283 | 17.051 | -0.215 | 17.061 | -0.328 | 20.289 | 0.150 | 20.299 | 0.077 | 20.307 | 0.150 | 20.316 | 0.041 |
| 17.070 | -0.215 | 17.079 | -0.237 | 17.087 | -0.187 | 17.096 | -0.260 | 20.325 | 0.136 | 20.337 | 0.090 | 20.379 | 0.086 | 20.396 | 0.027 |
| 17.108 | -0.137 | 17.119 | -0.146 | 17.130 | -0.005 | 17.144 | -0.117 | 20.416 | -0.064 | 20.429 | -0.177 | 20.444 | -0.282 | 20.452 | -0.218 |
| 17.159 | 0.090 | 17.170 | -0.028 | 17.177 | 0.045 | 17.190 | -0.154 | 20.461 | -0.295 | 20.469 | -0.232 | 20.510 | -0.458 | 20.521 | -0.331 |
| 17.198 | -0.109 | 17.208 | -0.159 | 17.218 | -0.054 | 17.230 | -0.059 | 20.529 | -0.426 | 20.542 | -0.254 | 20.552 | -0.276 | 20.560 | -0.282 |
| 17.241 | 0.064 | 17.260 | 0.136 | 17.268 | 0.086 | 17.275 | 0.141 | 20.569 | -0.194 | 20.586 | 0.046 | 20.609 | 0.341 | 20.612 | 0.282 |
| 17.295 | 0.208 | 17.311 | 0.181 | 17.320 | 0.199 | 17.326 | 0.190 | 20.620 | 0.432 | 20.628 | 0.192 | 20.641 | 0.432 | 20.648 | 0.260 |
| 17.330 | 0.254 | 17.352 | 0.281 | 17.358 | 0.326 | 17.370 | 0.281 | 20.657 | 0.351 | 20.671 | 0.229 | 20.680 | 0.279 | 20.690 | 0.220 |
| 17.386 | 0.117 | 17.408 | -0.227 | 17.422 | -0.363 | 17.439 | -0.472 | 20.699 | 0.369 | 20.708 | 0.243 | 20.740 | 0.252 | 20.757 | 0.062 |
| 17.458 | -0.364 | 17.469 | -0.214 | 17.480 | -0.001 | 17.487 | -0.074 | 20.780 | -0.132 | 20.799 | -0.313 | 20.811 | -0.449 | 20.836 | -0.294 |
| 17.497 | 0.089 | 17.505 | 0.026 | 17.510 | 0.066 | 17.520 | 0.021 | 20.851 | -0.068 | 20.870 | 0.069 | 20.878 | 0.051 | 20.888 | 0.155 |
| 17.540 | -0.111 | 17.558 | -0.156 | 17.566 | -0.107 | 17.575 | -0.147 | 20.895 | 0.151 | 20.933 | 0.196 | 20.946 | 0.224 | 20.966 | 0.369 |
| 17.581 | -0.070 | 17.590 | -0.071 | 17.596 | -0.052 | 17.626 | -0.125 | 20.972 | 0.328 | 20.980 | 0.405 | 21.011 | 0.315 | 21.019 | 0.202 |
| 17.646 | -0.075 | 17.654 | -0.116 | 17.663 | -0.098 | 17.672 | -0.265 | 21.028 | 0.270 | 21.040 | 0.098 | 21.049 | 0.134 | 21.056 | -0.052 |
| 17.680 | -0.134 | 17.691 | -0.206 | 17.703 | -0.138 | 17.718 | -0.026 | 21.065 | 0.048 | 21.079 | 0.012 | 21.092 | 0.089 | 21.114 | 0.184 |
| 17.729 | 0.193 | 17.744 | 0.207 | 17.761 | 0.008 | 17.777 | -0.196 | 21.138 | 0.243 | 21.168 | 0.180 | 21.189 | 0.085 | 21.214 | -0.001 |
| 17.793 | -0.290 | 17.818 | -0.236 | 17.833 | -0.163 | 17.846 | -0.072 | 21.243 | 0.054 | 21.265 | 0.108 | 21.286 | 0.067 | 21.319 | -0.069 |
| 17.863 | 0.064 | 17.873 | 0.124 | 17.890 | 0.029 | 17.906 | -0.048 | 21.361 | 0.012 | 21.406 | 0.034 | 21.434 | -0.111 | 21.456 | -0.202 |
| 17.921 | -0.043 | 17.924 | -0.175 | 17.934 | -0.818 | 17.949 | 0.497 | 21.493 | -0.080 | 21.515 | -0.012 | 21.529 | 0.074 | 21.547 | 0.087 |
| 17.953 | -0.038 | 17.957 | -0.482 | 17.965 | -0.028 | 17.971 | -0.191 | 21.592 | 0.005 | 21.616 | -0.208 | 21.638 | -0.358 | 21.672 | -0.258 |
| 17.977 | 0.103 | 17.983 | -0.060 | 17.993 | 0.208 | 18.013 | 0.169 | 21.709 | 0.063 | 21.725 | 0.245 | 21.744 | 0.308 | 21.770 | 0.240 |
| 18.026 | -0.018 | 18.034 | -0.191 | 18.045 | 0.009 | 18.094 | -0.077 | 21.815 | 0.122 | 21.847 | 0.113 | 21.898 | 0.013 | 21.937 | -0.077 |
| 18.061 | 0.064 | 18.077 | -0.090 | 18.085 | 0.069 | 18.093 | 0.177 | 21.984 | -0.086 | 22.001 | -0.023 | 22.010 | -0.081 | 22.043 | -0.027 |
| 18.101 | 0.105 | 18.113 | 0.164 | 18.120 | 0.359 | 18.130 | 0.196 | 22.069 | 0.200 | 22.077 | 0.141 | 22.089 | 0.250 | 22.099 | 0.182 |
| 18.142 | 0.377 | 18.152 | 0.191 | 18.167 | 0.228 | 18.179 | 0.092 | 22.133 | 0.246 | 22.147 | 0.147 | 22.167 | 0.065 | 22.181 | 0.052 |

| | | | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 22.198 | -0.052 | 22.211 | -0.161 | 22.244 | -0.265 | 22.272 | -0.219 | 24.578 | 0.005 | 24.586 | 0.036 | 24.593 | -0.072 | 24.603 | -0.068 |
| 22.300 | -0.219 | 22.330 | -0.037 | 22.372 | 0.331 | 22.401 | 0.413 | 24.615 | -0.167 | 24.629 | -0.185 | 24.642 | -0.194 | 24.648 | -0.194 |
| 22.434 | 0.287 | 22.471 | 0.174 | 22.503 | 0.039 | 22.539 | -0.064 | 24.657 | -0.140 | 24.667 | -0.099 | 24.674 | 0.010 | 24.682 | 0.083 |
| 22.581 | 0.113 | 22.598 | 0.112 | 22.637 | 0.002 | 22.684 | 0.185 | 24.690 | 0.164 | 24.707 | 0.228 | 24.718 | 0.269 | 24.731 | 0.233 |
| 22.724 | 0.082 | 22.755 | 0.079 | 22.781 | 0.043 | 22.811 | 0.067 | 24.743 | 0.174 | 24.749 | 0.119 | 24.757 | 0.069 | 24.766 | 0.015 |
| 22.849 | 0.018 | 22.880 | 0.001 | 22.926 | -0.061 | 22.973 | -0.145 | 24.775 | -0.089 | 24.784 | -0.203 | 24.793 | -0.307 | 24.800 | -0.370 |
| 23.004 | -0.045 | 23.048 | 0.124 | 23.074 | 0.193 | 23.106 | 0.225 | 24.819 | -0.375 | 24.829 | -0.361 | 24.840 | -0.280 | 24.852 | -0.184 |
| 23.132 | 0.140 | 23.166 | 0.163 | 23.199 | 0.064 | 23.225 | -0.036 | 24.866 | -0.103 | 24.877 | -0.017 | 24.886 | 0.056 | 24.896 | 0.119 |
| 23.261 | -0.077 | 23.314 | -0.024 | 23.338 | 0.029 | 23.346 | 0.029 | 24.908 | -0.169 | 24.920 | 0.165 | 24.933 | 0.169 | 24.947 | 0.151 |
| 23.348 | 0.025 | 23.353 | 0.052 | 23.360 | 0.092 | 23.362 | 0.079 | 24.954 | 0.101 | 24.961 | 0.038 | 24.968 | -0.034 | 24.976 | -0.111 |
| 23.365 | 0.069 | 23.370 | 0.079 | 23.373 | 0.092 | 23.377 | 0.106 | 24.987 | -0.170 | 24.999 | -0.197 | 25.014 | -0.211 | 25.036 | -0.143 |
| 23.381 | 0.097 | 23.385 | 0.074 | 23.391 | 0.092 | 23.395 | 0.097 | 25.044 | -0.084 | 25.055 | -0.034 | 25.068 | 0.012 | 25.080 | 0.012 |
| *23.400 | 0.092 | 23.403 | 0.079 | 23.406 | 0.069 | 23.409 | 0.051 | 25.095 | 0.012 | 25.110 | 0.035 | 25.120 | 0.026 | 25.133 | 0.013 |
| 23.414 | 0.047 | 23.417 | 0.038 | 23.424 | 0.020 | 23.427 | -0.012 | 25.142 | -0.005 | 25.153 | -0.023 | 25.160 | -0.023 | 25.170 | -0.063 |
| 23.432 | 0.001 | 23.437 | 0.001 | 23.439 | -0.021 | 23.443 | -0.057 | 25.187 | -0.063 | 25.196 | -0.090 | 25.208 | -0.054 | 25.220 | -0.013 |
| 23.446 | -0.076 | 23.452 | -0.071 | 23.457 | -0.071 | 23.461 | -0.080 | 25.228 | 0.019 | 25.242 | 0.074 | 25.252 | 0.074 | 25.262 | 0.061 |
| 23.467 | -0.103 | 23.471 | -0.107 | 23.476 | -0.089 | 23.484 | -0.116 | 25.276 | 0.034 | 25.286 | 0.016 | 25.299 | 0.012 | 25.308 | -0.001 |
| 23.487 | -0.130 | 23.493 | -0.116 | 23.503 | -0.121 | 23.506 | -0.107 | 25.315 | -0.014 | 25.323 | -0.014 | 25.336 | 0.004 | 25.348 | 0.046 |
| 23.514 | -0.116 | 23.517 | -0.125 | 23.525 | -0.098 | 23.531 | -0.098 | 25.359 | 0.091 | 25.371 | 0.128 | 25.381 | 0.105 | 25.386 | 0.060 |
| 23.535 | -0.166 | 23.543 | -0.112 | 23.547 | -0.125 | 23.550 | -0.144 | 25.394 | 0.024 | 25.400 | -0.012 | 25.403 | -0.044 | 25.409 | -0.071 |
| 23.552 | -0.121 | 23.555 | -0.171 | 23.561 | -0.153 | 23.567 | -0.184 | 25.416 | -0.107 | 25.427 | -0.116 | 25.439 | -0.093 | 25.451 | -0.061 |
| 23.571 | -0.207 | 23.581 | -0.212 | 23.595 | -0.212 | 23.603 | -0.130 | 25.458 | -0.038 | 25.471 | 0.003 | 25.483 | 0.040 | 25.495 | 0.081 |
| 23.609 | -0.135 | 23.618 | -0.103 | 23.628 | -0.030 | 23.632 | 0.015 | 25.500 | 0.090 | 25.516 | 0.081 | 25.528 | 0.073 | 25.536 | 0.064 |
| 23.636 | 0.047 | 23.643 | 0.092 | 23.652 | 0.165 | 23.664 | 0.165 | 25.552 | 0.068 | 25.564 | 0.060 | 25.580 | 0.042 | 25.596 | 0.010 |
| 23.672 | 0.133 | 23.677 | 0.083 | 23.679 | 0.060 | 23.688 | 0.015 | 25.610 | -0.008 | 25.623 | -0.044 | 25.635 | -0.067 | 25.645 | -0.062 |
| 23.693 | -0.012 | 23.697 | -0.089 | 23.699 | -0.103 | 23.705 | -0.080 | 25.664 | -0.035 | 25.671 | -0.003 | 25.681 | 0.029 | 25.693 | 0.106 |
| 23.714 | -0.162 | 23.716 | -0.175 | 23.723 | -0.139 | 23.726 | -0.135 | 25.697 | 0.142 | 25.717 | 0.165 | 25.726 | 0.165 | 25.740 | 0.174 |
| 23.731 | -0.203 | 23.740 | -0.203 | 23.751 | -0.166 | 23.756 | -0.125 | 25.749 | 0.174 | 25.761 | 0.196 | 25.768 | 0.215 | 25.776 | 0.219 |
| 23.762 | -0.076 | 23.770 | -0.071 | 23.775 | -0.035 | 23.781 | 0.015 | 25.785 | 0.210 | 25.795 | 0.192 | 25.808 | 0.174 | 25.830 | 0.151 |
| 23.789 | -0.033 | 23.804 | 0.038 | 23.809 | 0.038 | 23.817 | 0.015 | 25.850 | 0.128 | 25.857 | 0.101 | 25.863 | 0.065 | 25.872 | 0.038 |
| 23.829 | -0.076 | 23.840 | -0.166 | 23.848 | -0.198 | 23.852 | -0.175 | 25.880 | -0.008 | 25.889 | -0.035 | 25.897 | -0.062 | 25.905 | -0.071 |
| 23.859 | -0.212 | 23.872 | -0.212 | 23.877 | -0.225 | 23.889 | -0.189 | 25.916 | -0.107 | 25.929 | -0.121 | 25.938 | -0.121 | 25.953 | -0.098 |
| 23.901 | -0.144 | 23.906 | -0.121 | 23.912 | -0.076 | 23.923 | -0.085 | 25.963 | -0.048 | 25.970 | -0.012 | 25.981 | 0.029 | 25.993 | 0.069 |
| 23.926 | -0.048 | 23.934 | -0.071 | 23.945 | 0.020 | 23.954 | -0.048 | 26.004 | 0.110 | 26.011 | 0.142 | 26.026 | 0.160 | 26.034 | 0.160 |
| 23.963 | 0.051 | 23.968 | 0.001 | 23.978 | 0.038 | 23.986 | -0.003 | 26.049 | 0.178 | 26.060 | 0.201 | 26.074 | 0.215 | 26.087 | 0.215 |
| 23.998 | 0.083 | 24.005 | 0.011 | 24.017 | 0.083 | 24.026 | 0.065 | 26.098 | 0.201 | 26.104 | 0.165 | 26.115 | 0.119 | 26.122 | 0.092 |
| 24.037 | 0.151 | 24.040 | 0.178 | 24.047 | 0.160 | 24.061 | 0.255 | 26.133 | 0.074 | 26.145 | 0.056 | 26.151 | 0.028 | 26.155 | 0.006 |
| 24.067 | 0.264 | 24.071 | 0.246 | 24.078 | 0.323 | 24.090 | 0.332 | 26.161 | -0.053 | 26.169 | -0.085 | 26.175 | -0.117 | 26.185 | -0.131 |
| 24.101 | 0.323 | 24.106 | 0.296 | 24.116 | 0.314 | 24.120 | 0.314 | 26.203 | -0.149 | 26.216 | -0.135 | 26.227 | -0.126 | 26.239 | -0.136 |
| 24.123 | 0.292 | 24.126 | 0.219 | 24.131 | 0.187 | 24.137 | 0.187 | 26.249 | -0.122 | 26.262 | -0.095 | 26.271 | -0.077 | 26.279 | -0.077 |
| 24.140 | -0.156 | 24.143 | 0.088 | 24.148 | 0.033 | 24.152 | -0.008 | 26.302 | -0.109 | 26.308 | -0.005 | 26.321 | 0.022 | 26.335 | 0.053 |
| 24.161 | -0.017 | 24.164 | -0.071 | 24.175 | -0.112 | 24.181 | -0.153 | 26.345 | 0.103 | 26.363 | 0.180 | 26.368 | 0.166 | 26.373 | 0.143 |
| 24.184 | -0.184 | 24.196 | -0.144 | 24.205 | -0.216 | 24.211 | -0.180 | 26.381 | 0.157 | 26.389 | 0.134 | 26.398 | 0.107 | 26.408 | 0.075 |
| 24.215 | -0.207 | 24.220 | -0.230 | 24.228 | -0.143 | 24.238 | -0.161 | 26.417 | 0.052 | 26.430 | 0.020 | 26.435 | -0.016 | 26.440 | -0.043 |
| 24.249 | -0.007 | 24.256 | -0.025 | 24.266 | -0.025 | 24.269 | 0.057 | 26.447 | -0.089 | 26.452 | -0.148 | 26.458 | -0.193 | 26.464 | -0.225 |
| 24.276 | 0.025 | 24.286 | 0.102 | 24.293 | 0.061 | 24.298 | 0.061 | 26.469 | -0.266 | 26.474 | -0.293 | 26.482 | -0.311 | 26.491 | -0.311 |
| 24.304 | 0.093 | 24.311 | 0.066 | 24.318 | 0.116 | 24.324 | 0.102 | 26.499 | -0.320 | 26.511 | -0.311 | 26.517 | -0.280 | 26.526 | -0.239 |
| 24.332 | 0.116 | 24.341 | 0.152 | 24.344 | 0.120 | 24.350 | 0.075 | 26.533 | -0.203 | 26.539 | -0.125 | 26.547 | -0.085 | 26.551 | -0.030 |
| 24.354 | 0.061 | 24.362 | 0.102 | 24.367 | 0.048 | 24.370 | 0.002 | 26.555 | 0.029 | 26.560 | 0.074 | 26.565 | 0.110 | 26.570 | 0.137 |
| 24.374 | -0.016 | 24.380 | 0.003 | 24.382 | 0.012 | 24.390 | -0.061 | 26.576 | 0.160 | 26.581 | 0.183 | 26.588 | 0.178 | 26.596 | 0.160 |
| 24.392 | -0.061 | 24.397 | 0.003 | 24.406 | -0.043 | 24.411 | -0.024 | 26.601 | 0.169 | 26.604 | 0.142 | 26.607 | 0.124 | 26.612 | 0.092 |
| 24.414 | -0.056 | 24.421 | -0.043 | 24.424 | -0.092 | 24.430 | -0.097 | 26.616 | 0.060 | 26.619 | 0.038 | 26.622 | 0.024 | 26.625 | -0.003 |
| 24.432 | -0.115 | 24.439 | -0.178 | 24.445 | -0.156 | 24.452 | -0.132 | 26.630 | -0.021 | 26.634 | -0.039 | 26.637 | -0.067 | 26.643 | -0.085 |
| 24.465 | -0.169 | 24.469 | -0.151 | 24.473 | -0.164 | 24.493 | -0.114 | 26.647 | -0.098 | 26.650 | -0.121 | 26.658 | -0.130 | 26.661 | -0.139 |
| 24.502 | -0.114 | 24.521 | -0.023 | 24.529 | 0.031 | 24.540 | 0.090 | 26.666 | -0.166 | 26.677 | -0.144 | 26.685 | -0.144 | 26.696 | -0.062 |
| 24.550 | 0.145 | 24.555 | 0.095 | 24.564 | 0.136 | 24.575 | 0.027 | 26.699 | -0.044 | 26.704 | -0.057 | 26.713 | 0.015 | 26.725 | -0.035 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 26.735 | -0.017 | 26.746 | -0.116 | 26.753 | -0.089 | 26.762 | -0.153 | 26.769 | 0.159 | 26.778 | 0.132 | 26.788 | 0.096 | 26.793 | 0.060 |
| 26.767 | -0.153 | 26.774 | -0.125 | 26.780 | -0.157 | 26.789 | -0.135 | 26.799 | 0.024 | 26.808 | 0.001 | 26.818 | -0.035 | 26.829 | -0.062 |
| 26.803 | -0.135 | 26.810 | -0.097 | 26.816 | 0.065 | 26.825 | 0.115 | 26.834 | -0.089 | 26.843 | -0.117 | 26.852 | -0.103 | 26.861 | -0.121 |
| 26.863 | 0.056 | 26.874 | 0.092 | 26.889 | 0.079 | 26.895 | 0.124 | 26.901 | -0.089 | 26.909 | -0.089 | 26.918 | -0.039 | 26.927 | -0.008 |
| 26.901 | 0.088 | 26.910 | 0.079 | 26.921 | 0.051 | 26.922 | 0.042 | 26.930 | -0.089 | 26.939 | -0.089 | 26.948 | -0.006 | 26.957 | -0.012 |
| 26.933 | 0.056 | 26.942 | 0.020 | 26.948 | 0.065 | 26.954 | 0.015 | 26.961 | -0.089 | 26.970 | -0.089 | 26.979 | -0.076 | 26.988 | -0.085 |
| 26.963 | 0.008 | 26.974 | -0.021 | 26.980 | -0.057 | 26.989 | -0.017 | 26.998 | -0.107 | 27.007 | -0.125 | 27.016 | -0.103 | 27.025 | -0.121 |
| 26.998 | -0.062 | 27.007 | -0.030 | 27.011 | -0.067 | 27.018 | -0.067 | 27.025 | -0.107 | 27.034 | -0.085 | 27.043 | -0.071 | 27.052 | -0.044 |
| 27.026 | -0.085 | 27.034 | -0.116 | 27.041 | -0.103 | 27.049 | -0.062 | 27.056 | -0.089 | 27.065 | -0.042 | 27.074 | -0.133 | 27.083 | 0.079 |
| 27.054 | -0.085 | 27.063 | -0.039 | 27.068 | -0.017 | 27.077 | -0.094 | 27.086 | 0.060 | 27.095 | 0.042 | 27.104 | 0.133 | 27.113 | 0.147 |
| 27.082 | -0.080 | 27.097 | -0.098 | 27.103 | -0.130 | 27.116 | -0.048 | 27.125 | 0.128 | 27.134 | 0.151 | 27.143 | 0.128 | 27.152 | 0.110 |
| 27.118 | -0.044 | 27.121 | -0.076 | 27.126 | -0.089 | 27.133 | -0.017 | 27.140 | -0.074 | 27.148 | -0.076 | 27.156 | -0.020 | 27.164 | -0.012 |
| 27.140 | -0.071 | 27.150 | -0.030 | 27.155 | -0.057 | 27.160 | 0.020 | 27.167 | -0.057 | 27.175 | -0.076 | 27.183 | -0.020 | 27.191 | -0.098 |
| 27.174 | 0.069 | 27.181 | 0.015 | 27.189 | 0.088 | 27.196 | 0.069 | 27.204 | -0.130 | 27.212 | -0.080 | 27.220 | -0.112 | 27.228 | -0.121 |
| 27.206 | 0.106 | 27.211 | 0.137 | 27.219 | 0.092 | 27.223 | 0.165 | 27.231 | -0.067 | 27.239 | -0.103 | 27.247 | -0.035 | 27.255 | -0.081 |
| 27.238 | 0.115 | 27.250 | 0.156 | 27.255 | 0.124 | 27.258 | 0.101 | 27.266 | -0.033 | 27.274 | -0.042 | 27.282 | -0.137 | 27.290 | -0.119 |
| 27.263 | 0.115 | 27.269 | 0.079 | 27.274 | 0.069 | 27.277 | 0.011 | 27.285 | -0.156 | 27.293 | -0.128 | 27.301 | -0.165 | 27.309 | -0.110 |
| 27.285 | 0.029 | 27.294 | -0.003 | 27.301 | -0.030 | 27.313 | 0.006 | 27.321 | 0.110 | 27.329 | 0.069 | 27.337 | 0.056 | 27.345 | -0.003 |
| 27.319 | -0.030 | 27.328 | 0.029 | 27.334 | 0.006 | 27.345 | 0.065 | 27.353 | -0.076 | 27.361 | -0.021 | 27.369 | -0.057 | 27.377 | -0.035 |
| 27.351 | -0.033 | 27.363 | 0.133 | 27.367 | 0.079 | 27.372 | 0.051 | 27.379 | -0.206 | 27.387 | -0.112 | 27.395 | -0.067 | 27.403 | -0.067 |
| 27.377 | 0.074 | 27.385 | 0.056 | 27.394 | 0.001 | 27.397 | 0.030 | 27.405 | -0.234 | 27.413 | -0.006 | 27.421 | -0.008 | 27.429 | 0.024 |
| 27.407 | -0.008 | 27.411 | -0.048 | 27.421 | -0.085 | 27.432 | -0.098 | 27.440 | -0.260 | 27.448 | -0.047 | 27.456 | -0.060 | 27.464 | 0.097 |
| 27.440 | -0.080 | 27.446 | -0.130 | 27.454 | -0.116 | 27.460 | -0.085 | 27.468 | -0.282 | 27.476 | -0.083 | 27.484 | -0.106 | 27.492 | 0.038 |
| 27.466 | -0.112 | 27.473 | -0.071 | 27.480 | -0.098 | 27.494 | -0.053 | 27.502 | -0.311 | 27.510 | -0.003 | 27.518 | -0.044 | 27.526 | -0.071 |
| 27.505 | -0.017 | 27.517 | -0.012 | 27.527 | 0.024 | 27.531 | 0.028 | 27.539 | -0.332 | 27.547 | -0.112 | 27.555 | -0.171 | 27.563 | -0.207 |
| 27.536 | 0.006 | 27.541 | 0.001 | 27.553 | 0.033 | 27.556 | 0.019 | 27.564 | -0.403 | 27.572 | -0.243 | 27.580 | -0.184 | 27.588 | -0.239 |
| 27.567 | 0.074 | 27.574 | 0.114 | 27.581 | 0.155 | 27.591 | 0.187 | 27.600 | -0.466 | 27.608 | -0.296 | 27.616 | -0.140 | 27.624 | -0.205 |
| 27.597 | 0.237 | 27.603 | 0.214 | 27.606 | 0.196 | 27.613 | 0.223 | 27.621 | -0.485 | 27.629 | -0.268 | 27.637 | -0.137 | 27.645 | -0.287 |
| 27.623 | 0.218 | 27.627 | 0.182 | 27.634 | 0.137 | 27.642 | 0.195 | 27.650 | -0.529 | 27.658 | -0.303 | 27.666 | -0.154 | 27.674 | -0.113 |
| 27.646 | 0.123 | 27.652 | 0.050 | 27.659 | 0.059 | 27.667 | 0.014 | 27.675 | -0.564 | 27.683 | -0.140 | 27.691 | -0.140 | 27.699 | -0.104 |
| 27.671 | -0.027 | 27.680 | -0.068 | 27.688 | -0.104 | 27.698 | -0.100 | 27.706 | -0.604 | 27.714 | -0.081 | 27.722 | -0.009 | 27.730 | -0.009 |
| 27.708 | -0.159 | 27.717 | -0.123 | 27.724 | -0.127 | 27.731 | -0.168 | 27.739 | -0.657 | 27.747 | -0.059 | 27.755 | -0.064 | 27.763 | -0.127 |
| 27.739 | -0.119 | 27.745 | -0.137 | 27.751 | -0.137 | 27.758 | -0.096 | 27.766 | -0.708 | 27.774 | -0.096 | 27.782 | -0.064 | 27.790 | -0.010 |
| 27.766 | -0.110 | 27.775 | -0.083 | 27.781 | -0.056 | 27.787 | -0.083 | 27.795 | -0.753 | 27.803 | -0.094 | 27.811 | -0.094 | 27.819 | 0.067 |
| 27.790 | -0.119 | 27.797 | -0.042 | 27.803 | -0.110 | 27.816 | -0.070 | 27.824 | -0.796 | 27.832 | -0.017 | 27.840 | -0.008 | 27.848 | -0.028 |
| 27.824 | -0.115 | 27.835 | -0.084 | 27.846 | -0.165 | 27.856 | -0.111 | 27.864 | -0.835 | 27.872 | -0.038 | 27.880 | -0.020 | 27.888 | 0.030 |
| 27.862 | -0.161 | 27.874 | -0.170 | 27.888 | -0.170 | 27.898 | -0.162 | 27.908 | -0.879 | 27.916 | -0.098 | 27.924 | -0.034 | 27.932 | 0.148 |
| 27.907 | -0.148 | 27.913 | -0.116 | 27.920 | -0.085 | 27.923 | -0.044 | 27.930 | -0.928 | 27.938 | -0.093 | 27.946 | -0.039 | 27.954 | 0.025 |
| 27.931 | -0.008 | 27.943 | 0.033 | 27.950 | 0.069 | 27.955 | 0.069 | 27.962 | -0.028 | 27.970 | -0.011 | 27.978 | -0.034 | 27.986 | -0.048 |
| 28.005 | 0.081 | 28.013 | 0.049 | 28.021 | -0.005 | 28.027 | -0.033 | 28.034 | -0.028 | 28.042 | -0.030 | 28.050 | -0.039 | 28.058 | -0.052 |
| 28.034 | -0.065 | 28.044 | -0.097 | 28.052 | -0.092 | 28.064 | -0.066 | 28.072 | -0.074 | 28.080 | -0.080 | 28.088 | -0.062 | 28.096 | -0.035 |
| 28.072 | -0.043 | 28.083 | -0.016 | 28.093 | -0.003 | 28.106 | -0.022 | 28.114 | -0.169 | 28.122 | -0.057 | 28.130 | -0.107 | 28.138 | -0.080 |
| 28.119 | -0.026 | 28.130 | -0.027 | 28.141 | -0.028 | 28.155 | -0.006 | 28.163 | -0.219 | 28.171 | -0.042 | 28.179 | -0.039 | 28.187 | -0.012 |
| 28.164 | 0.007 | 28.184 | 0.070 | 28.192 | 0.106 | 28.204 | 0.142 | 28.212 | -0.304 | 28.220 | -0.060 | 28.228 | -0.065 | 28.236 | 0.065 |
| 28.232 | 0.164 | 28.241 | 0.136 | 28.252 | 0.113 | 28.261 | 0.072 | 28.270 | -0.263 | 28.278 | -0.030 | 28.286 | -0.034 | 28.294 | 0.047 |
| 28.268 | 0.031 | 28.276 | 0.004 | 28.284 | -0.023 | 28.300 | -0.028 | 28.308 | -0.350 | 28.316 | -0.085 | 28.324 | -0.008 | 28.332 | -0.021 |
| 28.310 | -0.041 | 28.324 | 0.009 | 28.336 | 0.041 | 28.350 | 0.081 | 28.358 | -0.390 | 28.366 | -0.017 | 28.374 | -0.017 | 28.382 | -0.039 |
| 28.373 | 0.136 | 28.378 | 0.163 | 28.388 | 0.191 | 28.400 | 0.213 | 28.408 | -0.427 | 28.416 | -0.011 | 28.424 | -0.020 | 28.432 | -0.008 |
| 28.410 | 0.200 | 28.420 | 0.182 | 28.429 | 0.151 | 28.441 | 0.137 | 28.449 | -0.454 | 28.457 | -0.012 | 28.465 | -0.030 | 28.473 | 0.006 |
| 28.482 | 0.029 | 28.491 | 0.007 | 28.501 | -0.016 | 28.514 | -0.034 | 28.522 | -0.480 | 28.530 | -0.035 | 28.538 | -0.053 | 28.546 | -0.080 |
| 28.526 | -0.056 | 28.539 | -0.079 | 28.551 | -0.124 | 28.563 | -0.146 | 28.571 | -0.539 | 28.579 | -0.012 | 28.587 | -0.029 | 28.595 | -0.083 |
| 28.573 | -0.151 | 28.587 | -0.123 | 28.596 | -0.082 | 28.605 | -0.028 | 28.613 | -0.599 | 28.621 | -0.101 | 28.629 | -0.147 | 28.637 | -0.115 |
| 28.613 | 0.009 | 28.620 | 0.059 | 28.626 | 0.086 | 28.636 | 0.136 | 28.644 | -0.633 | 28.652 | -0.069 | 28.660 | -0.103 | 28.668 | -0.130 |
| 28.643 | 0.173 | 28.652 | 0.177 | 28.664 | 0.195 | 28.671 | 0.177 | 28.679 | -0.633 | 28.687 | -0.071 | 28.695 | -0.103 | 28.703 | -0.076 |

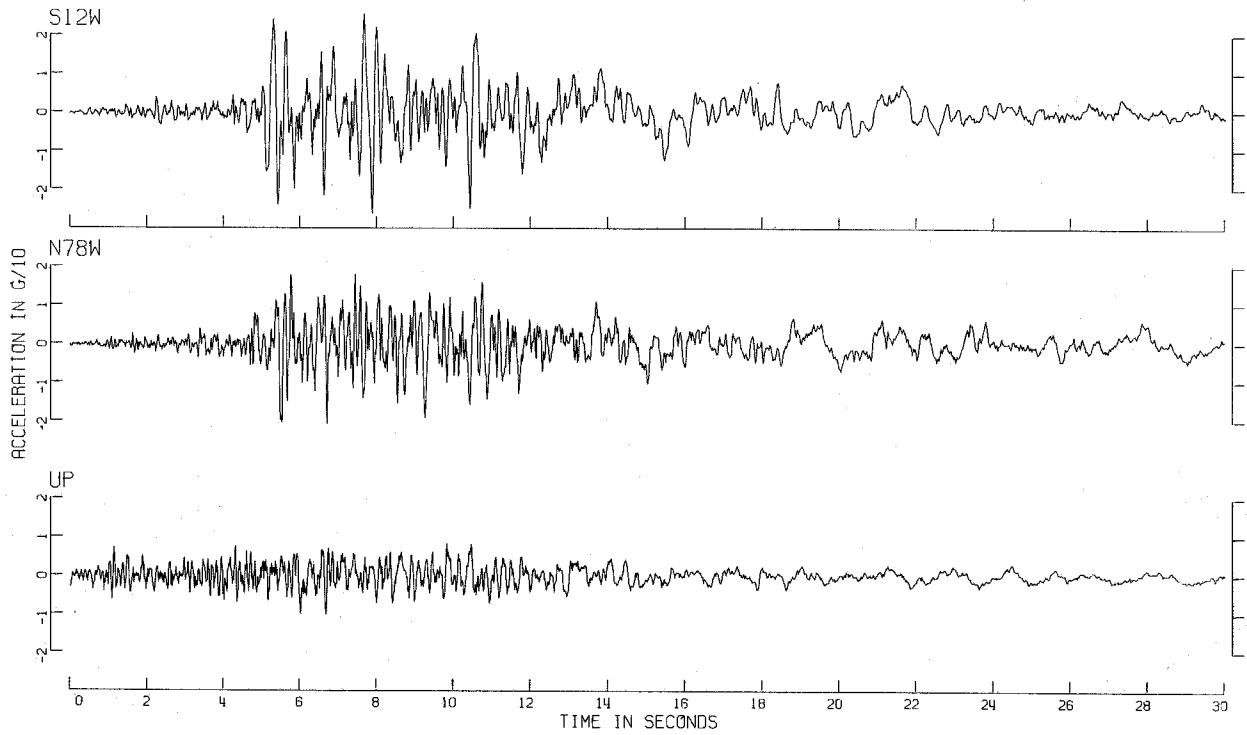
| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 30.667 | -0.098 | 30.675 | -0.035 | 30.678 | -0.021 | 30.687 | -0.030 | 32.795 | -0.070 | 32.806 | 0.003 | 32.818 | -0.060 | 32.831 | -0.019 |
| 30.694 | 0.015 | 30.696 | -0.008 | 30.704 | -0.026 | 30.713 | 0.024 | 32.841 | -0.078 | 32.848 | -0.005 | 32.862 | -0.055 | 32.867 | 0.019 |
| 30.720 | -0.003 | 30.732 | 0.038 | 30.740 | -0.008 | 30.747 | -0.030 | 32.873 | -0.014 | 32.883 | 0.023 | 32.904 | 0.050 | 32.916 | 0.060 |
| 30.758 | -0.039 | 30.761 | -0.103 | 30.760 | -0.148 | 30.791 | -0.089 | 32.937 | 0.092 | 32.942 | 0.011 | 32.955 | -0.024 | 32.958 | 0.011 |
| 30.798 | -0.112 | 30.809 | -0.048 | 30.815 | -0.080 | 30.836 | 0.006 | 32.969 | 0.029 | 32.981 | -0.002 | 32.998 | -0.024 | 33.013 | -0.006 |
| 30.844 | 0.101 | 30.855 | 0.147 | 30.861 | 0.165 | 30.865 | 0.174 | 33.028 | 0.003 | 33.033 | -0.024 | 33.041 | 0.017 | 33.048 | -0.041 |
| 30.870 | 0.156 | 30.876 | 0.174 | 30.895 | 0.128 | 30.901 | 0.097 | 33.061 | 0.063 | 33.066 | 0.013 | 33.079 | 0.041 | 33.095 | 0.028 |
| 30.902 | 0.029 | 30.912 | 0.042 | 30.919 | -0.021 | 30.926 | -0.058 | 33.104 | -0.022 | 33.114 | 0.019 | 33.119 | -0.003 | 33.126 | 0.074 |
| 30.936 | -0.135 | 30.949 | -0.099 | 30.952 | -0.117 | 30.972 | -0.017 | 33.134 | 0.011 | 33.148 | 0.079 | 33.159 | 0.030 | 33.170 | 0.062 |
| 30.989 | 0.015 | 30.994 | 0.001 | 31.007 | 0.042 | 31.013 | 0.019 | 33.178 | -0.010 | 33.199 | -0.046 | 33.230 | -0.055 | 33.234 | -0.100 |
| 31.031 | 0.010 | 31.036 | -0.054 | 31.047 | -0.117 | 31.053 | -0.208 | 33.243 | -0.118 | 33.258 | -0.100 | 33.275 | -0.104 | 33.288 | -0.086 |
| 31.065 | -0.271 | 31.079 | -0.285 | 31.089 | -0.303 | 31.095 | -0.244 | 33.309 | -0.054 | 33.337 | 0.033 | 33.352 | 0.069 | 33.369 | 0.074 |
| 31.110 | -0.204 | 31.123 | -0.104 | 31.135 | 0.000 | 31.151 | 0.132 | 33.385 | 0.051 | 33.401 | 0.024 | 33.413 | 0.001 | 33.430 | -0.030 |
| 31.164 | 0.213 | 31.173 | 0.249 | 31.187 | 0.204 | 31.201 | 0.100 | 33.446 | -0.071 | 33.468 | -0.039 | 33.477 | -0.057 | 33.497 | -0.021 |
| 31.223 | 0.054 | 31.245 | -0.041 | 31.257 | -0.114 | 31.269 | -0.073 | 33.514 | 0.011 | 33.530 | 0.029 | 33.546 | 0.029 | 33.566 | 0.042 |
| 31.276 | -0.050 | 31.289 | 0.018 | 31.301 | 0.049 | 31.309 | 0.031 | 33.575 | 0.015 | 33.585 | -0.012 | 33.603 | -0.030 | 33.615 | -0.030 |
| 31.325 | 0.022 | 31.342 | 0.045 | 31.358 | 0.067 | 31.371 | 0.049 | 33.624 | -0.053 | 33.639 | -0.053 | 33.652 | -0.112 | 33.682 | -0.112 |
| 31.380 | 0.045 | 31.403 | 0.090 | 31.413 | 0.049 | 31.434 | -0.068 | 33.709 | -0.112 | 33.722 | -0.085 | 33.737 | -0.035 | 33.750 | 0.011 |
| 31.452 | -0.086 | 31.465 | -0.063 | 31.475 | -0.045 | 31.487 | -0.049 | 33.764 | 0.024 | 33.778 | 0.001 | 33.793 | -0.021 | 33.813 | -0.003 |
| 31.501 | 0.019 | 31.509 | 0.087 | 31.518 | 0.169 | 31.531 | 0.128 | 33.823 | -0.021 | 33.836 | -0.039 | 33.850 | -0.053 | 33.861 | -0.017 |
| 31.539 | 0.069 | 31.545 | 0.028 | 31.549 | -0.003 | 31.563 | -0.008 | 33.877 | 0.038 | 33.889 | 0.047 | 33.899 | 0.056 | 33.911 | 0.033 |
| 31.574 | -0.012 | 31.587 | -0.012 | 31.603 | 0.021 | 31.611 | -0.071 | 33.934 | 0.056 | 33.953 | 0.024 | 33.972 | -0.012 | 33.994 | 0.020 |
| 31.620 | -0.021 | 31.634 | 0.098 | 31.646 | 0.139 | 31.653 | 0.152 | 34.014 | 0.056 | 34.024 | 0.056 | 34.041 | 0.025 | 34.062 | 0.057 |
| 31.677 | 0.131 | 31.690 | 0.171 | 31.696 | 0.199 | 31.701 | 0.158 | 34.080 | 0.057 | 34.089 | 0.030 | 34.099 | 0.002 | 34.111 | -0.029 |
| 31.704 | 0.131 | 31.711 | 0.158 | 31.719 | 0.179 | 31.725 | 0.072 | 34.129 | -0.065 | 34.143 | -0.111 | 34.150 | -0.156 | 34.159 | -0.132 |
| 31.730 | 0.004 | 31.734 | -0.018 | 31.742 | 0.005 | 31.749 | -0.023 | 34.176 | -0.196 | 34.193 | -0.146 | 34.207 | -0.096 | 34.215 | -0.033 |
| 31.757 | -0.032 | 31.768 | -0.031 | 31.771 | -0.077 | 31.775 | -0.127 | 34.235 | 0.036 | 34.248 | 0.086 | 34.262 | 0.136 | 34.277 | 0.159 |
| 31.786 | -0.126 | 31.793 | -0.172 | 31.796 | -0.203 | 31.805 | -0.144 | 34.291 | 0.145 | 34.310 | 0.132 | 34.325 | 0.096 | 34.335 | 0.065 |
| 31.811 | -0.099 | 31.813 | -0.067 | 31.819 | -0.117 | 31.831 | -0.081 | 34.347 | 0.029 | 34.361 | -0.012 | 34.381 | -0.047 | 34.402 | -0.056 |
| 31.854 | -0.103 | 31.863 | -0.121 | 31.875 | -0.080 | 31.879 | -0.094 | 34.416 | -0.024 | 34.433 | 0.012 | 34.458 | -0.001 | 34.468 | -0.041 |
| 31.889 | -0.031 | 31.901 | -0.003 | 31.913 | 0.051 | 31.922 | 0.060 | 34.483 | -0.113 | 34.510 | -0.154 | 34.533 | -0.112 | 34.544 | -0.026 |
| 31.932 | 0.142 | 31.942 | 0.196 | 31.948 | 0.255 | 31.961 | 0.264 | 34.563 | 0.020 | 34.603 | 0.066 | 34.635 | 0.017 | 34.660 | -0.018 |
| 31.969 | 0.224 | 31.977 | 0.205 | 31.981 | 0.169 | 31.989 | 0.133 | 34.686 | -0.047 | 34.729 | -0.124 | 34.742 | 0.053 | 34.770 | -0.095 |
| 31.994 | 0.110 | 32.000 | 0.115 | 32.009 | 0.024 | 32.021 | -0.003 | 34.807 | -0.134 | 34.829 | -0.124 | 34.840 | -0.079 | 34.864 | -0.037 |
| 32.021 | -0.048 | 32.026 | -0.098 | 32.036 | -0.085 | 32.040 | -0.148 | 34.897 | 0.010 | 34.928 | 0.033 | 34.958 | 0.071 | 34.967 | 0.121 |
| 32.031 | -0.130 | 32.065 | -0.130 | 32.073 | -0.103 | 32.078 | -0.057 | 34.982 | 0.157 | 35.000 | 0.158 | 35.028 | 0.186 | 35.036 | 0.186 |
| 32.082 | -0.039 | 32.087 | -0.062 | 32.090 | -0.071 | 32.096 | -0.039 | 35.053 | 0.196 | 35.061 | 0.165 | 35.064 | 0.165 | 35.069 | 0.165 |
| 32.102 | 0.011 | 32.116 | 0.011 | 32.124 | 0.097 | 32.133 | 0.011 | 35.073 | 0.169 | 35.080 | 0.156 | 35.083 | 0.133 | 35.089 | 0.115 |
| 32.142 | 0.047 | 32.148 | 0.002 | 32.157 | -0.021 | 32.162 | -0.071 | 35.095 | 0.134 | 35.099 | 0.102 | 35.103 | 0.080 | 35.107 | 0.084 |
| 32.169 | -0.098 | 32.183 | -0.120 | 32.191 | -0.129 | 32.201 | -0.102 | 35.112 | 0.043 | 35.118 | -0.020 | 35.125 | -0.006 | 35.133 | -0.038 |
| 32.206 | -0.088 | 32.213 | -0.116 | 32.221 | -0.070 | 32.227 | 0.034 | 35.138 | -0.060 | 35.143 | -0.083 | 35.149 | -0.060 | 35.157 | -0.119 |
| 32.237 | 0.038 | 32.247 | 0.025 | 32.255 | 0.084 | 32.259 | 0.098 | 35.161 | -0.091 | 35.166 | -0.064 | 35.174 | -0.105 | 35.183 | -0.136 |
| 32.274 | 0.207 | 32.284 | 0.225 | 32.293 | 0.243 | 32.296 | 0.216 | 35.191 | -0.140 | 35.204 | -0.154 | 35.208 | -0.136 | 35.212 | -0.095 |
| 32.298 | 0.180 | 32.305 | 0.212 | 32.310 | 0.189 | 32.311 | 0.148 | 35.216 | -0.040 | 35.223 | -0.058 | 35.234 | 0.024 | 35.245 | -0.044 |
| 32.314 | 0.112 | 32.317 | 0.085 | 32.331 | 0.108 | 32.335 | 0.072 | 35.253 | 0.011 | 35.262 | -0.025 | 35.269 | -0.021 | 35.278 | 0.002 |
| 32.342 | 0.035 | 32.355 | 0.040 | 32.360 | -0.001 | 32.365 | -0.046 | 35.285 | 0.034 | 35.291 | 0.066 | 35.297 | 0.030 | 35.305 | 0.071 |
| 32.379 | -0.087 | 32.393 | -0.109 | 32.396 | -0.082 | 32.412 | -0.109 | 35.314 | 0.021 | 35.319 | 0.035 | 35.328 | 0.044 | 35.336 | 0.035 |
| 32.430 | -0.091 | 32.439 | -0.086 | 32.447 | -0.036 | 32.464 | 0.033 | 35.340 | 0.103 | 35.352 | 0.081 | 35.359 | 0.176 | 35.366 | 0.117 |
| 32.478 | 0.083 | 32.493 | 0.088 | 32.500 | 0.138 | 32.506 | 0.102 | 35.376 | 0.195 | 35.383 | 0.154 | 35.391 | 0.290 | 35.399 | 0.223 |
| 32.513 | 0.075 | 32.521 | 0.103 | 32.528 | 0.048 | 32.584 | -0.036 | 35.409 | 0.300 | 35.424 | 0.200 | 35.424 | 0.241 | 35.433 | 0.164 |
| 32.545 | 0.004 | 32.561 | -0.032 | 32.575 | 0.014 | 32.584 | -0.067 | 35.439 | 0.119 | 35.444 | 0.160 | 35.453 | 0.088 | 35.458 | 0.142 |
| 32.598 | 0.028 | 32.611 | 0.015 | 32.621 | 0.079 | 32.639 | 0.098 | 35.468 | 0.052 | 35.482 | 0.066 | 35.489 | -0.029 | 35.497 | 0.021 |
| 32.648 | -0.003 | 32.655 | 0.048 | 32.663 | -0.010 | 32.682 | -0.001 | 35.509 | -0.128 | 35.522 | -0.037 | 35.525 | -0.137 | 35.535 | -0.078 |
| 32.687 | -0.037 | 32.694 | -0.023 | 32.701 | 0.068 | 32.709 | 0.040 | 35.543 | -0.163 | 35.552 | -0.181 | 35.559 | -0.122 | 35.563 | -0.176 |
| 32.715 | -0.122 | 32.732 | -0.058 | 32.738 | -0.103 | 32.747 | -0.062 | 35.576 | -0.117 | 35.581 | -0.131 | 35.587 | -0.085 | 35.591 | -0.071 |
| 32.755 | -0.075 | 32.766 | -0.020 | 32.773 | -0.048 | 32.786 | -0.020 | 35.598 | -0.085 | 35.603 | -0.030 | 35.615 | -0.057 | 35.629 | 0.029 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 35.638 | -0.011 | 35.643 | 0.034 | 35.651 | -0.043 | 35.656 | -0.020 | 37.763 | 0.102 | 37.776 | 0.052 | 37.788 | -0.024 | 37.800 | -0.106 |
| 35.671 | -0.119 | 35.680 | -0.032 | 35.695 | -0.045 | 35.702 | 0.100 | 37.813 | -0.160 | 37.822 | -0.227 | 37.836 | -0.249 | 37.846 | -0.267 |
| 35.710 | 0.118 | 35.717 | 0.137 | 35.724 | 0.282 | 35.734 | 0.233 | 37.859 | -0.249 | 37.872 | -0.212 | 37.885 | -0.157 | 37.896 | -0.084 |
| 35.744 | 0.319 | 35.755 | 0.247 | 35.760 | 0.311 | 35.768 | 0.198 | 37.905 | -0.034 | 37.910 | 0.016 | 37.917 | 0.079 | 37.925 | 0.148 |
| 35.775 | 0.148 | 35.783 | 0.071 | 35.787 | 0.017 | 35.792 | -0.055 | 37.933 | 0.198 | 37.940 | 0.230 | 37.952 | 0.379 | 37.957 | 0.257 |
| 35.800 | -0.064 | 35.805 | -0.113 | 35.810 | -0.190 | 35.817 | -0.122 | 37.965 | 0.235 | 37.978 | 0.231 | 37.988 | 0.222 | 38.005 | 0.150 |
| 35.826 | -0.185 | 35.833 | -0.112 | 35.839 | -0.167 | 35.843 | -0.112 | 38.011 | 0.123 | 38.029 | 0.110 | 38.046 | 0.101 | 38.055 | 0.101 |
| 35.857 | -0.179 | 35.863 | -0.098 | 35.877 | -0.143 | 35.884 | -0.079 | 38.068 | 0.102 | 38.081 | 0.079 | 38.087 | 0.066 | 38.102 | 0.025 |
| 35.892 | -0.083 | 35.906 | -0.019 | 35.909 | -0.073 | 35.918 | 0.008 | 38.113 | -0.015 | 38.126 | -0.074 | 38.135 | -0.101 | 38.149 | -0.128 |
| 35.926 | -0.037 | 35.933 | 0.036 | 35.940 | 0.064 | 35.950 | 0.150 | 38.163 | -0.150 | 38.178 | -0.141 | 38.190 | -0.140 | 38.202 | -0.086 |
| 35.960 | 0.191 | 35.973 | 0.269 | 35.979 | 0.206 | 35.986 | 0.260 | 38.215 | -0.031 | 38.224 | 0.033 | 38.233 | 0.078 | 38.249 | 0.097 |
| 35.992 | 0.165 | 35.998 | 0.202 | 36.007 | 0.175 | 36.016 | 0.112 | 38.267 | 0.088 | 38.273 | 0.107 | 38.280 | 0.111 | 38.287 | 0.152 |
| 36.027 | -0.024 | 36.035 | 0.026 | 36.051 | -0.059 | 36.058 | -0.014 | 38.296 | 0.175 | 38.309 | 0.166 | 38.322 | 0.162 | 38.329 | 0.163 |
| 36.066 | -0.095 | 36.076 | -0.005 | 36.085 | 0.023 | 36.091 | 0.123 | 38.336 | 0.181 | 38.343 | 0.204 | 38.353 | 0.222 | 38.366 | 0.204 |
| 36.099 | 0.073 | 36.106 | 0.114 | 36.115 | 0.001 | 36.128 | -0.021 | 38.383 | 0.169 | 38.392 | 0.178 | 38.400 | 0.192 | 38.410 | 0.178 |
| 36.135 | -0.094 | 36.145 | -0.112 | 36.155 | -0.175 | 36.164 | -0.125 | 38.420 | 0.152 | 38.429 | 0.093 | 38.434 | 0.075 | 38.448 | 0.044 |
| 36.171 | -0.211 | 36.179 | -0.174 | 36.185 | -0.124 | 36.195 | -0.169 | 38.457 | 0.021 | 38.467 | -0.001 | 38.479 | -0.028 | 38.487 | -0.050 |
| 36.200 | -0.033 | 36.206 | -0.074 | 36.214 | 0.049 | 36.224 | 0.076 | 38.494 | -0.122 | 38.504 | -0.131 | 38.518 | -0.153 | 38.528 | -0.126 |
| 36.227 | 0.112 | 36.231 | 0.126 | 36.242 | 0.222 | 36.251 | 0.186 | 38.538 | -0.107 | 38.554 | -0.089 | 38.564 | -0.066 | 38.569 | -0.056 |
| 36.258 | 0.258 | 36.264 | 0.213 | 36.271 | 0.290 | 36.282 | 0.250 | 38.580 | -0.006 | 38.589 | -0.020 | 38.595 | 0.035 | 38.604 | 0.013 |
| 36.286 | 0.300 | 36.308 | 0.228 | 36.315 | 0.156 | 36.322 | 0.115 | 38.610 | 0.067 | 38.615 | 0.045 | 38.626 | 0.091 | 38.636 | 0.073 |
| 36.330 | 0.047 | 36.337 | 0.057 | 36.348 | -0.038 | 36.352 | -0.025 | 38.643 | 0.136 | 38.654 | 0.110 | 38.663 | 0.155 | 38.674 | 0.156 |
| 36.363 | -0.083 | 36.374 | -0.160 | 36.382 | -0.105 | 36.391 | -0.160 | 38.686 | 0.197 | 38.700 | 0.152 | 38.712 | 0.189 | 38.720 | 0.139 |
| 36.399 | -0.096 | 36.408 | -0.164 | 36.416 | -0.091 | 36.430 | -0.113 | 38.729 | 0.162 | 38.738 | 0.117 | 38.745 | 0.117 | 38.753 | 0.127 |
| 36.436 | -0.068 | 36.441 | -0.117 | 36.448 | -0.049 | 36.456 | -0.112 | 38.761 | 0.190 | 38.770 | 0.136 | 38.783 | 0.191 | 38.795 | 0.137 |
| 36.467 | -0.048 | 36.476 | -0.089 | 36.484 | -0.034 | 36.492 | -0.061 | 38.803 | 0.165 | 38.812 | 0.079 | 38.820 | 0.056 | 38.829 | 0.002 |
| 36.511 | -0.037 | 36.528 | -0.000 | 36.544 | -0.018 | 36.558 | -0.022 | 38.833 | -0.093 | 38.840 | -0.111 | 38.852 | -0.201 | 38.859 | -0.183 |
| 36.573 | -0.003 | 36.584 | 0.011 | 36.605 | -0.016 | 36.612 | -0.051 | 38.868 | -0.228 | 38.881 | -0.164 | 38.887 | -0.182 | 38.902 | -0.063 |
| 36.622 | -0.024 | 36.631 | -0.001 | 36.644 | -0.000 | 36.649 | 0.041 | 38.906 | -0.041 | 38.918 | 0.019 | 38.928 | 0.073 | 38.935 | 0.110 |
| 36.660 | 0.087 | 36.669 | 0.114 | 36.678 | 0.096 | 36.686 | 0.061 | 38.943 | 0.124 | 38.953 | 0.120 | 38.961 | 0.102 | 38.967 | 0.093 |
| 36.701 | 0.075 | 36.712 | 0.071 | 36.725 | 0.026 | 36.740 | -0.037 | 38.977 | 0.112 | 38.984 | 0.075 | 38.994 | -0.015 | 39.000 | 0.017 |
| 36.750 | -0.091 | 36.760 | -0.090 | 36.774 | -0.062 | 36.784 | -0.017 | 39.009 | -0.005 | 39.019 | 0.049 | 39.028 | 0.077 | 39.031 | 0.113 |
| 36.798 | 0.020 | 36.808 | -0.024 | 36.827 | -0.083 | 36.847 | -0.168 | 39.035 | 0.127 | 39.045 | 0.168 | 39.054 | 0.209 | 39.060 | 0.254 |
| 36.859 | -0.204 | 36.874 | -0.190 | 36.887 | -0.139 | 36.893 | -0.071 | 39.070 | 0.255 | 39.077 | 0.273 | 39.082 | 0.251 | 39.086 | 0.255 |
| 36.900 | 0.015 | 36.907 | 0.065 | 36.914 | 0.111 | 36.922 | 0.170 | 39.091 | 0.219 | 39.099 | 0.188 | 39.113 | 0.143 | 39.119 | 0.093 |
| 36.929 | 0.211 | 36.936 | 0.229 | 36.948 | 0.194 | 36.968 | 0.131 | 39.124 | 0.081 | 39.128 | 0.098 | 39.132 | 0.021 | 39.138 | 0.035 |
| 36.982 | 0.104 | 36.990 | 0.091 | 36.998 | 0.055 | 37.015 | 0.051 | 39.150 | -0.033 | 39.159 | -0.010 | 39.167 | -0.073 | 39.175 | -0.063 |
| 37.026 | 0.060 | 37.038 | 0.020 | 37.049 | -0.039 | 37.061 | -0.120 | 39.190 | -0.118 | 39.196 | -0.068 | 39.204 | -0.104 | 39.210 | -0.063 |
| 37.067 | -0.161 | 37.083 | -0.205 | 37.097 | -0.237 | 37.103 | -0.191 | 39.220 | -0.083 | 39.228 | -0.022 | 39.238 | -0.062 | 39.244 | -0.017 |
| 37.109 | -0.150 | 37.119 | -0.145 | 37.125 | -0.073 | 37.138 | 0.000 | 39.261 | -0.044 | 39.271 | -0.066 | 39.278 | -0.007 | 39.285 | -0.079 |
| 37.145 | 0.023 | 37.153 | 0.001 | 37.161 | 0.019 | 37.170 | -0.021 | 39.294 | -0.020 | 39.301 | -0.070 | 39.309 | -0.074 | 39.320 | -0.092 |
| 37.180 | -0.030 | 37.194 | -0.030 | 37.202 | -0.029 | 37.214 | -0.011 | 39.331 | -0.074 | 39.340 | -0.042 | 39.346 | -0.046 | 39.353 | 0.004 |
| 37.220 | 0.021 | 37.233 | 0.031 | 37.241 | 0.058 | 37.249 | 0.095 | 39.362 | -0.000 | 39.371 | 0.041 | 39.381 | 0.059 | 39.389 | 0.100 |
| 37.263 | 0.109 | 37.273 | 0.110 | 37.283 | 0.142 | 37.295 | 0.092 | 39.395 | 0.127 | 39.403 | 0.141 | 39.407 | 0.177 | 39.415 | 0.205 |
| 37.301 | 0.124 | 37.314 | 0.084 | 37.322 | 0.044 | 37.328 | 0.076 | 39.426 | 0.196 | 39.437 | 0.151 | 39.444 | 0.124 | 39.454 | 0.111 |
| 37.337 | 0.004 | 37.344 | 0.040 | 37.350 | -0.023 | 37.361 | -0.041 | 39.466 | 0.075 | 39.482 | 0.025 | 39.495 | 0.007 | 39.506 | -0.001 |
| 37.371 | -0.077 | 37.381 | -0.149 | 37.390 | -0.098 | 37.400 | -0.143 | 39.523 | -0.006 | 39.540 | -0.031 | 39.556 | -0.000 | 39.578 | -0.009 |
| 37.407 | -0.093 | 37.415 | -0.102 | 37.425 | -0.015 | 37.430 | -0.056 | 39.591 | -0.008 | 39.609 | -0.031 | 39.618 | -0.044 | 39.637 | -0.053 |
| 37.442 | 0.053 | 37.452 | 0.018 | 37.462 | 0.109 | 37.474 | 0.046 | 39.658 | -0.052 | 39.669 | -0.048 | 39.691 | -0.075 | 39.716 | -0.079 |
| 37.479 | 0.105 | 37.490 | 0.033 | 37.495 | 0.047 | 37.505 | -0.012 | 39.733 | -0.014 | 39.745 | -0.092 | 39.757 | -0.078 | 39.773 | -0.064 |
| 37.515 | -0.061 | 37.524 | -0.102 | 37.533 | -0.133 | 37.544 | -0.174 | 39.786 | -0.005 | 39.798 | 0.031 | 39.811 | 0.063 | 39.827 | 0.114 |
| 37.557 | -0.128 | 37.569 | -0.087 | 37.581 | -0.004 | 37.589 | 0.050 | 39.836 | 0.141 | 39.852 | 0.159 | 39.857 | 0.187 | 39.868 | 0.196 |
| 37.601 | 0.101 | 37.607 | 0.137 | 37.613 | 0.169 | 37.620 | 0.192 | 39.876 | 0.205 | 39.888 | 0.223 | 39.900 | 0.187 | 39.918 | 0.120 |
| 37.632 | 0.179 | 37.646 | 0.202 | 37.654 | 0.175 | 37.661 | 0.135 | 39.933 | 0.088 | 39.945 | 0.043 | 39.960 | 0.002 | 39.974 | -0.038 |
| 37.673 | 0.167 | 37.682 | 0.126 | 37.693 | 0.117 | 37.704 | 0.145 | 39.986 | -0.070 | 40.001 | -0.106 | 40.013 | -0.083 | 40.023 | -0.092 |
| 37.713 | 0.163 | 37.723 | 0.191 | 37.736 | 0.173 | 37.748 | 0.147 | 40.031 | -0.074 | 40.047 | -0.073 | 40.058 | -0.096 | 40.071 | -0.114 |

| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 40.085 | -0.091 | 40.102 | -0.072 | 40.111 | -0.049 | 40.125 | -0.008 | 42.391 | 0.078 | 42.403 | 0.056 | 42.414 | 0.038 | 42.423 | 0.034 |
| 40.136 | 0.024 | 40.144 | 0.060 | 40.152 | 0.092 | 40.167 | 0.106 | 42.431 | 0.007 | 42.446 | 0.048 | 42.453 | 0.071 | 42.462 | 0.067 |
| 40.182 | 0.120 | 40.190 | 0.134 | 40.200 | 0.143 | 40.211 | 0.166 | 42.472 | 0.085 | 42.481 | 0.085 | 42.496 | 0.081 | 42.505 | 0.077 |
| 40.223 | 0.148 | 40.236 | 0.112 | 40.243 | 0.144 | 40.260 | 0.144 | 42.513 | 0.064 | 42.529 | 0.078 | 42.537 | 0.055 | 42.554 | 0.047 |
| 40.277 | 0.136 | 40.289 | 0.118 | 40.297 | 0.104 | 40.311 | 0.105 | 42.568 | 0.043 | 42.581 | 0.056 | 42.592 | 0.048 | 42.606 | 0.012 |
| 40.321 | 0.105 | 40.343 | 0.069 | 40.356 | 0.051 | 40.362 | 0.033 | 42.618 | 0.062 | 42.630 | 0.026 | 42.637 | 0.049 | 42.650 | 0.031 |
| 40.375 | 0.020 | 40.386 | -0.020 | 40.397 | -0.047 | 40.409 | -0.088 | 42.664 | -0.010 | 42.683 | -0.005 | 42.700 | 0.009 | 42.716 | 0.032 |
| 40.428 | -0.115 | 40.443 | -0.137 | 40.452 | -0.155 | 40.464 | -0.168 | 42.727 | 0.059 | 42.736 | 0.059 | 42.745 | 0.082 | 42.758 | 0.109 |
| 40.477 | -0.118 | 40.490 | -0.077 | 40.500 | -0.049 | 40.515 | -0.013 | 42.767 | 0.128 | 42.786 | 0.110 | 42.798 | 0.078 | 42.807 | 0.060 |
| 40.524 | 0.006 | 40.532 | 0.001 | 40.545 | 0.052 | 40.555 | 0.052 | 42.814 | 0.042 | 42.825 | 0.006 | 42.836 | -0.039 | 42.845 | -0.066 |
| 40.566 | 0.052 | 40.577 | 0.021 | 40.587 | 0.044 | 40.597 | 0.044 | 42.854 | -0.084 | 42.862 | -0.098 | 42.873 | -0.116 | 42.882 | -0.093 |
| 40.612 | 0.104 | 40.618 | 0.081 | 40.630 | 0.118 | 40.636 | 0.077 | 42.888 | -0.084 | 42.897 | -0.084 | 42.909 | -0.070 | 42.919 | -0.057 |
| 40.656 | 0.155 | 40.659 | 0.082 | 40.671 | 0.092 | 40.677 | 0.069 | 42.928 | -0.029 | 42.936 | -0.016 | 42.943 | -0.006 | 42.952 | 0.039 |
| 40.683 | 0.106 | 40.690 | 0.042 | 40.696 | 0.015 | 40.707 | 0.011 | 42.963 | 0.007 | 42.974 | 0.026 | 42.987 | 0.035 | 42.999 | 0.044 |
| 40.714 | 0.025 | 40.723 | -0.020 | 40.730 | -0.029 | 40.746 | -0.024 | 43.008 | 0.049 | 43.028 | 0.053 | 43.037 | 0.076 | 43.045 | 0.090 |
| 40.756 | -0.033 | 40.765 | -0.055 | 40.773 | -0.028 | 40.784 | -0.063 | 43.054 | 0.113 | 43.065 | 0.109 | 43.077 | 0.123 | 43.086 | 0.132 |
| 40.793 | -0.027 | 40.804 | -0.045 | 40.813 | -0.049 | 40.819 | -0.044 | 43.099 | 0.052 | 43.112 | 0.119 | 43.122 | 0.106 | 43.130 | 0.079 |
| 40.833 | -0.003 | 40.843 | -0.035 | 40.850 | 0.015 | 40.860 | -0.030 | 43.139 | 0.052 | 43.149 | 0.030 | 43.162 | 0.021 | 43.176 | 0.008 |
| 40.868 | 0.011 | 40.877 | -0.039 | 40.888 | -0.011 | 40.899 | -0.034 | 43.191 | 0.018 | 43.202 | 0.018 | 43.214 | 0.018 | 43.223 | 0.023 |
| 40.907 | 0.012 | 40.917 | -0.011 | 40.926 | 0.039 | 40.938 | 0.062 | 43.235 | 0.046 | 43.248 | 0.033 | 43.260 | 0.015 | 43.272 | -0.016 |
| 40.949 | 0.103 | 40.955 | 0.121 | 40.971 | 0.140 | 40.982 | 0.158 | 43.288 | -0.011 | 43.297 | -0.002 | 43.306 | 0.008 | 43.318 | -0.005 |
| 40.993 | 0.154 | 41.004 | 0.131 | 41.018 | 0.154 | 41.028 | 0.113 | 43.326 | -0.010 | 43.336 | 0.022 | 43.346 | 0.032 | 43.356 | 0.055 |
| 41.037 | 0.100 | 41.054 | 0.100 | 41.064 | 0.109 | 41.077 | 0.064 | 43.368 | 0.051 | 43.385 | 0.047 | 43.396 | 0.061 | 43.410 | 0.020 |
| 41.085 | 0.091 | 41.098 | 0.087 | 41.115 | 0.091 | 41.127 | 0.073 | 43.425 | 0.025 | 43.432 | 0.026 | 43.442 | -0.001 | 43.451 | -0.015 |
| 41.136 | 0.037 | 41.151 | -0.022 | 41.161 | -0.058 | 41.173 | -0.126 | 43.461 | -0.005 | 43.478 | -0.000 | 43.488 | 0.023 | 43.499 | 0.055 |
| 41.178 | -0.144 | 41.186 | -0.130 | 41.196 | -0.153 | 41.207 | -0.148 | 43.512 | 0.091 | 43.520 | 0.114 | 43.530 | 0.133 | 43.541 | 0.146 |
| 41.215 | -0.121 | 41.223 | -0.085 | 41.238 | -0.044 | 41.248 | -0.003 | 43.546 | 0.160 | 43.559 | 0.169 | 43.569 | 0.183 | 43.580 | 0.147 |
| 41.254 | 0.043 | 41.262 | 0.088 | 41.270 | 0.133 | 41.278 | 0.161 | 43.592 | 0.120 | 43.614 | 0.093 | 43.614 | 0.067 | 43.628 | 0.026 |
| 41.288 | 0.179 | 41.303 | 0.147 | 41.316 | 0.125 | 41.325 | 0.116 | 43.637 | 0.026 | 43.656 | 0.022 | 43.668 | -0.000 | 43.684 | -0.013 |
| 41.329 | 0.134 | 41.337 | 0.111 | 41.356 | 0.134 | 41.369 | 0.148 | 43.695 | -0.040 | 43.709 | -0.036 | 43.718 | -0.067 | 43.732 | -0.085 |
| 41.377 | 0.162 | 41.388 | 0.166 | 41.400 | 0.171 | 41.412 | 0.139 | 43.741 | -0.116 | 43.751 | -0.116 | 43.762 | -0.098 | 43.784 | -0.061 |
| 41.426 | 0.090 | 41.435 | 0.053 | 41.447 | -0.001 | 41.457 | -0.046 | 43.805 | 0.116 | 43.815 | 0.044 | 43.827 | 0.085 | 43.840 | 0.112 |
| 41.465 | -0.104 | 41.475 | -0.140 | 41.477 | -0.154 | 41.485 | -0.181 | 43.845 | 0.153 | 43.855 | 0.176 | 43.865 | 0.149 | 43.871 | 0.109 |
| 41.491 | -0.181 | 41.500 | -0.171 | 41.510 | -0.144 | 41.519 | -0.116 | 43.881 | 0.154 | 43.888 | 0.082 | 43.895 | 0.132 | 43.903 | 0.105 |
| 41.525 | -0.098 | 41.531 | -0.053 | 41.539 | -0.021 | 41.544 | -0.020 | 43.914 | 0.082 | 43.926 | 0.042 | 43.937 | 0.074 | 43.947 | 0.069 |
| 41.551 | 0.043 | 41.556 | 0.084 | 41.562 | 0.120 | 41.573 | 0.112 | 43.955 | 0.110 | 43.962 | 0.133 | 43.971 | 0.147 | 43.984 | 0.170 |
| 41.581 | 0.121 | 41.589 | 0.121 | 41.599 | 0.117 | 41.611 | 0.095 | 43.996 | 0.143 | 44.002 | 0.143 | 44.008 | 0.161 | 44.015 | 0.139 |
| 41.621 | 0.095 | 41.630 | 0.077 | 41.645 | 0.091 | 41.662 | 0.110 | 44.032 | 0.098 | 44.042 | 0.062 | 44.053 | 0.031 | 44.064 | 0.009 |
| 41.681 | 0.137 | 41.697 | 0.128 | 41.706 | 0.120 | 41.720 | 0.102 | 44.071 | -0.023 | 44.079 | -0.009 | 44.094 | 0.000 | 44.103 | 0.000 |
| 41.730 | 0.075 | 41.738 | 0.039 | 41.748 | -0.020 | 41.757 | -0.047 | 44.114 | 0.001 | 44.119 | 0.051 | 44.126 | 0.014 | 44.133 | 0.055 |
| 41.761 | -0.079 | 41.770 | -0.097 | 41.781 | -0.096 | 41.792 | -0.087 | 44.141 | 0.019 | 44.151 | 0.056 | 44.160 | 0.011 | 44.167 | 0.034 |
| 41.800 | -0.078 | 41.811 | -0.059 | 41.819 | -0.027 | 41.831 | 0.005 | 44.174 | -0.021 | 44.184 | -0.034 | 44.190 | -0.034 | 44.197 | -0.084 |
| 41.837 | 0.027 | 41.844 | 0.050 | 41.852 | 0.073 | 41.861 | 0.096 | 44.206 | -0.034 | 44.217 | -0.088 | 44.224 | -0.051 | 44.237 | -0.051 |
| 41.869 | 0.109 | 41.880 | 0.141 | 41.889 | 0.109 | 41.899 | 0.087 | 44.246 | -0.010 | 44.263 | 0.013 | 44.270 | 0.049 | 44.282 | 0.086 |
| 41.912 | 0.037 | 41.920 | 0.014 | 41.929 | -0.013 | 41.940 | -0.008 | 44.287 | 0.108 | 44.292 | 0.140 | 44.303 | 0.095 | 44.314 | 0.127 |
| 41.951 | 0.015 | 41.964 | 0.010 | 41.969 | 0.037 | 41.976 | 0.037 | 44.320 | 0.127 | 44.329 | 0.172 | 44.336 | 0.114 | 44.343 | 0.141 |
| 41.982 | 0.074 | 41.988 | 0.101 | 41.994 | 0.096 | 41.998 | 0.124 | 44.349 | 0.105 | 44.359 | 0.159 | 44.370 | 0.105 | 44.375 | 0.164 |
| 42.006 | 0.155 | 42.018 | 0.169 | 42.023 | 0.205 | 42.034 | 0.165 | 44.385 | 0.114 | 44.391 | 0.141 | 44.398 | 0.087 | 44.407 | 0.142 |
| 42.040 | 0.169 | 42.049 | 0.133 | 42.060 | 0.106 | 42.072 | 0.083 | 44.417 | 0.078 | 44.427 | 0.087 | 44.435 | 0.042 | 44.450 | 0.029 |
| 42.082 | 0.065 | 42.091 | 0.033 | 42.103 | 0.006 | 42.110 | -0.007 | 44.461 | 0.011 | 44.472 | -0.039 | 44.478 | -0.062 | 44.490 | -0.084 |
| 42.117 | 0.002 | 42.126 | -0.012 | 42.141 | 0.020 | 42.151 | 0.047 | 44.499 | -0.102 | 44.508 | -0.125 | 44.518 | -0.111 | 44.522 | -0.079 |
| 42.163 | 0.047 | 42.176 | 0.029 | 42.186 | 0.016 | 42.196 | 0.002 | 44.532 | -0.120 | 44.539 | -0.075 | 44.546 | -0.093 | 44.559 | -0.029 |
| 42.213 | 0.016 | 42.227 | -0.007 | 42.237 | 0.003 | 42.248 | -0.020 | 44.567 | -0.065 | 44.573 | -0.011 | 44.584 | 0.003 | 44.595 | 0.062 |
| 42.263 | -0.006 | 42.269 | 0.017 | 42.282 | 0.031 | 42.292 | 0.053 | 44.604 | 0.026 | 44.612 | 0.094 | 44.621 | 0.044 | 44.632 | 0.085 |
| 42.300 | 0.067 | 42.312 | 0.099 | 42.321 | 0.149 | 42.337 | 0.141 | 44.640 | 0.071 | 44.648 | 0.081 | 44.661 | 0.067 | 44.671 | 0.068 |
| 42.349 | 0.127 | 42.360 | 0.100 | 42.372 | 0.087 | 42.382 | 0.087 | 44.680 | 0.050 | 44.691 | 0.063 | 44.703 | 0.041 | 44.715 | 0.055 |

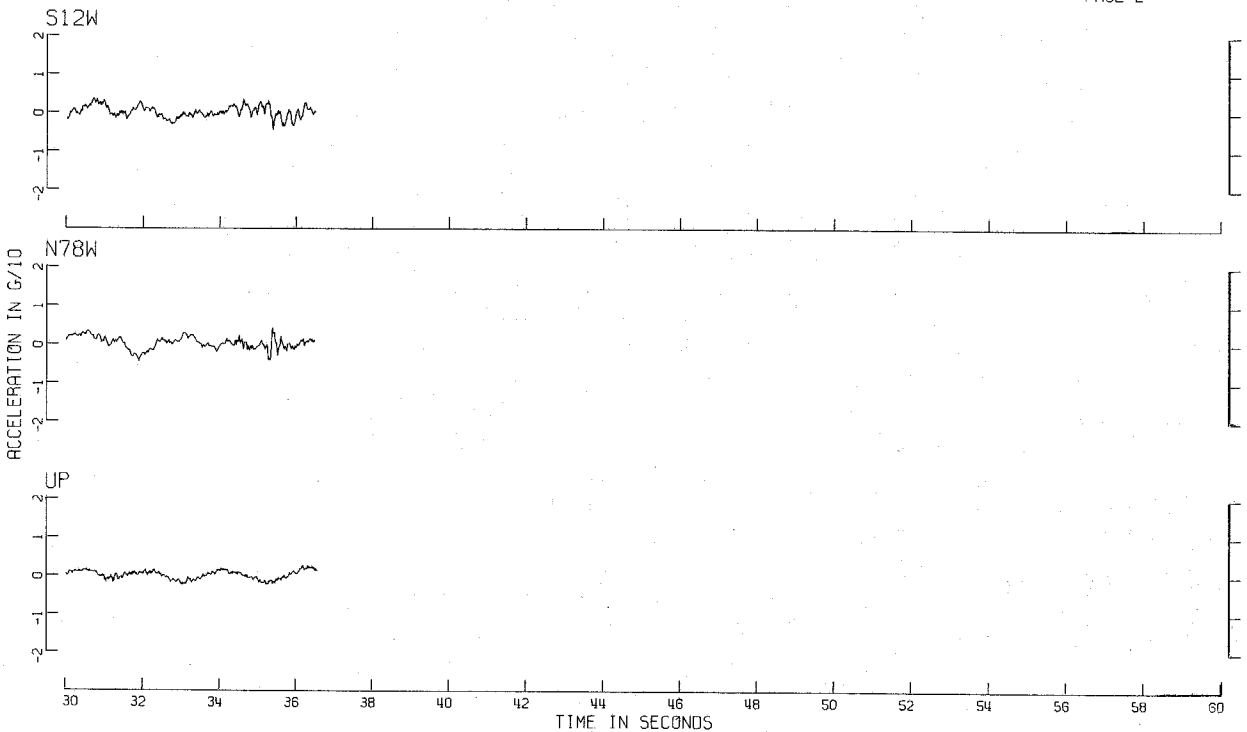
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|--------|--------|--------|--------|--------|--------|--------|--------|
| 44.718 | 0.064 | 44.727 | 0.100 | 44.733 | 0.037 | 44.741 | 0.078 |
| 44.752 | 0.033 | 44.765 | 0.011 | 44.777 | 0.011 | 44.788 | -0.007 |
| 44.804 | -0.011 | 44.815 | -0.011 | 44.823 | -0.024 | 44.831 | -0.020 |
| 44.839 | -0.020 | 44.849 | 0.003 | 44.861 | -0.001 | 44.872 | -0.010 |
| 44.881 | -0.023 | 44.892 | -0.000 | 44.912 | 0.014 | 44.923 | 0.023 |
| 44.935 | 0.037 | 44.950 | 0.042 | 44.957 | 0.065 | 44.970 | 0.052 |
| 44.979 | 0.065 | 44.986 | 0.097 | 44.997 | 0.088 | 45.006 | 0.066 |
| 45.021 | 0.075 | 45.029 | 0.076 | 45.042 | 0.067 | 45.055 | 0.081 |
| 45.062 | 0.099 | 45.075 | 0.059 | 45.092 | 0.069 | 45.099 | 0.060 |
| 45.106 | 0.047 | 45.116 | 0.061 | 45.122 | 0.075 | 45.130 | 0.057 |
| 45.138 | 0.039 | 45.145 | 0.039 | 45.159 | 0.013 | 45.168 | 0.031 |
| 45.178 | 0.027 | 45.184 | 0.064 | 45.196 | 0.046 | 45.202 | 0.069 |
| 45.215 | 0.038 | 45.222 | 0.024 | 45.230 | 0.052 | 45.238 | 0.025 |
| 45.246 | 0.057 | 45.257 | 0.067 | 45.268 | 0.072 | 45.277 | 0.054 |
| 45.287 | 0.050 | 45.301 | 0.060 | 45.308 | 0.060 | 45.317 | 0.097 |
| 45.327 | 0.102 | 45.340 | 0.102 | 45.351 | 0.103 | 45.364 | 0.099 |
| 45.372 | 0.090 | 45.385 | 0.095 | 45.395 | 0.073 | 45.411 | 0.051 |
| 45.421 | 0.043 | 45.430 | 0.038 | 45.436 | 0.021 | 45.446 | 0.035 |
| 45.453 | -0.001 | 45.467 | 0.031 | 45.475 | -0.010 | 45.487 | -0.005 |
| 45.500 | -0.027 | 45.501 | 0.004 | 45.514 | -0.018 | 45.528 | 0.019 |
| 45.534 | 0.046 | 45.542 | 0.046 | 45.554 | 0.060 | 45.567 | 0.074 |
| 45.578 | 0.084 | 45.587 | 0.084 | 45.596 | 0.102 | 45.606 | 0.103 |
| 45.618 | 0.094 | 45.627 | 0.090 | 45.638 | 0.076 | 45.650 | 0.059 |
| 45.659 | 0.072 | 45.666 | 0.086 | 45.677 | 0.096 | 45.686 | 0.110 |
| 45.702 | 0.110 | 45.711 | 0.115 | 45.715 | 0.115 | 45.728 | 0.102 |
| 45.757 | 0.030 | 45.768 | -0.005 | 45.778 | -0.023 | 45.786 | -0.032 |
| 45.800 | -0.036 | 45.813 | -0.027 | 45.823 | -0.017 | 45.834 | 0.010 |
| 45.844 | 0.043 | 45.857 | 0.043 | 45.867 | 0.052 | 45.878 | 0.048 |
| 45.890 | 0.049 | 45.901 | 0.058 | 45.920 | 0.059 | 45.936 | 0.059 |
| 45.949 | 0.069 | 45.967 | 0.069 | 45.998 | 0.066 | 46.020 | 0.062 |
| 46.036 | 0.049 | 46.061 | 0.050 | 46.123 | 0.051 | 46.172 | 0.052 |
| 46.184 | 0.043 | 46.194 | 0.025 | 46.210 | 0.017 | 46.235 | 0.013 |
| 46.252 | 0.013 | 46.272 | -0.009 | 46.292 | -0.022 | 46.311 | -0.057 |
| 46.326 | -0.070 | 46.334 | -0.102 | 46.353 | -0.078 | 46.367 | -0.028 |
| 46.378 | 0.018 | 46.392 | 0.055 | 46.407 | 0.105 | 46.423 | 0.151 |
| 46.440 | 0.166 | 46.450 | 0.166 | 46.457 | 0.131 | 46.472 | 0.100 |
| 46.492 | 0.083 | 46.515 | 0.075 | 46.533 | 0.045 | 46.552 | 0.042 |
| 46.576 | 0.034 | 46.593 | -0.010 | 46.613 | -0.036 | 46.637 | -0.057 |
| 46.657 | -0.069 | 46.677 | -0.068 | 46.691 | -0.049 | 46.705 | 0.011 |
| 46.725 | 0.076 | 46.745 | 0.114 | 46.764 | 0.133 | 46.787 | 0.153 |
| 46.802 | 0.127 | 46.824 | 0.107 | 46.843 | 0.077 | 46.865 | 0.084 |
| 46.898 | 0.069 | 46.931 | 0.059 | 46.971 | -0.048 | 46.987 | -0.030 |
| 47.021 | -0.017 | 47.051 | 0.029 | | | | |

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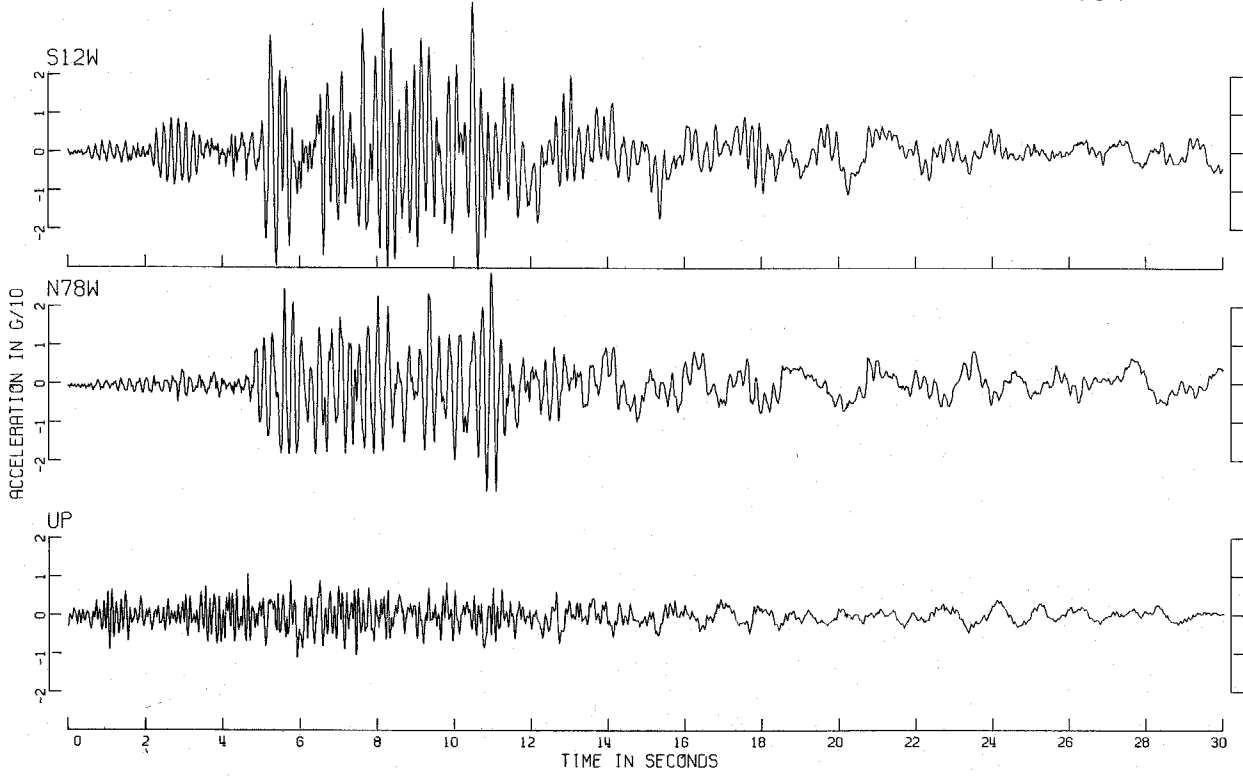


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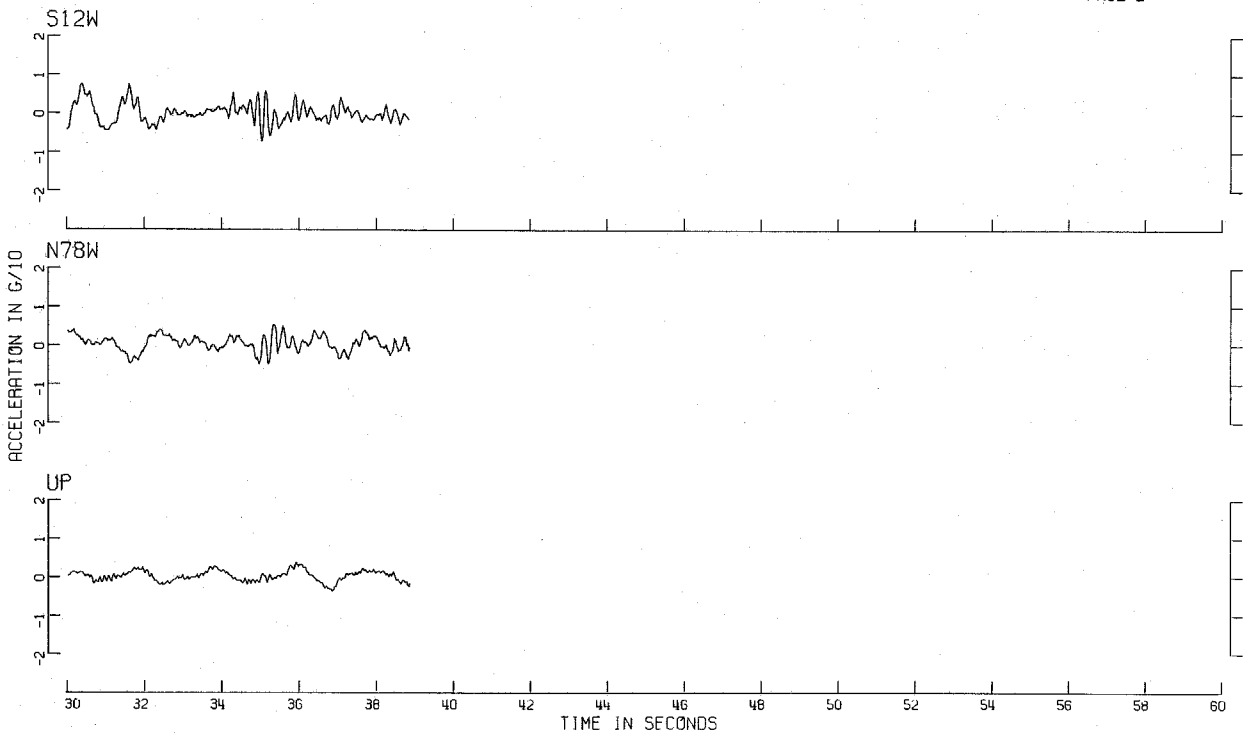


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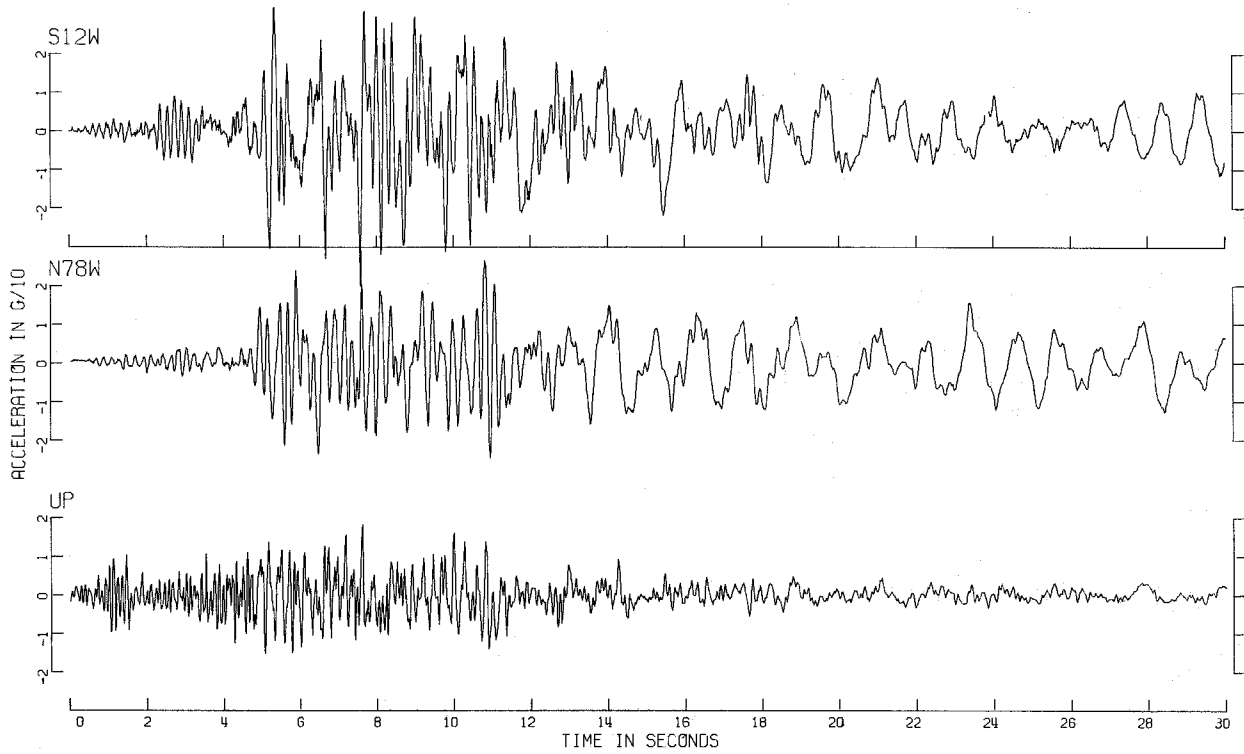


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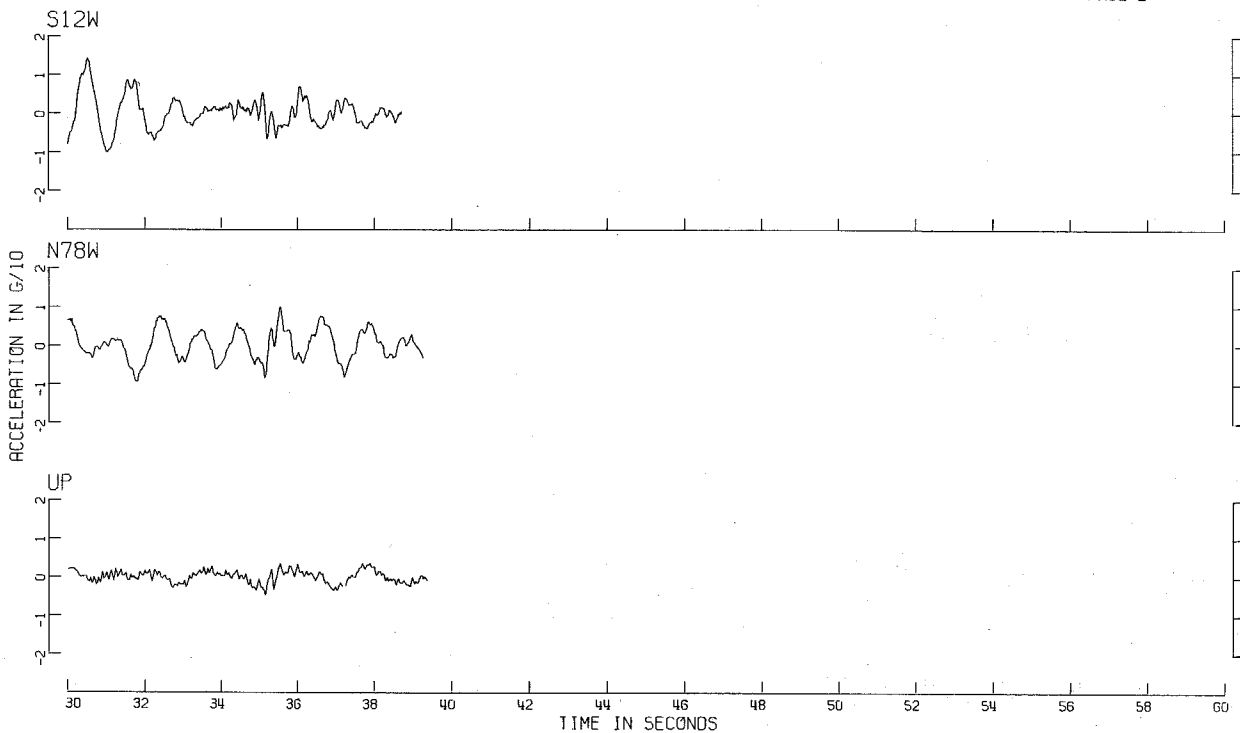


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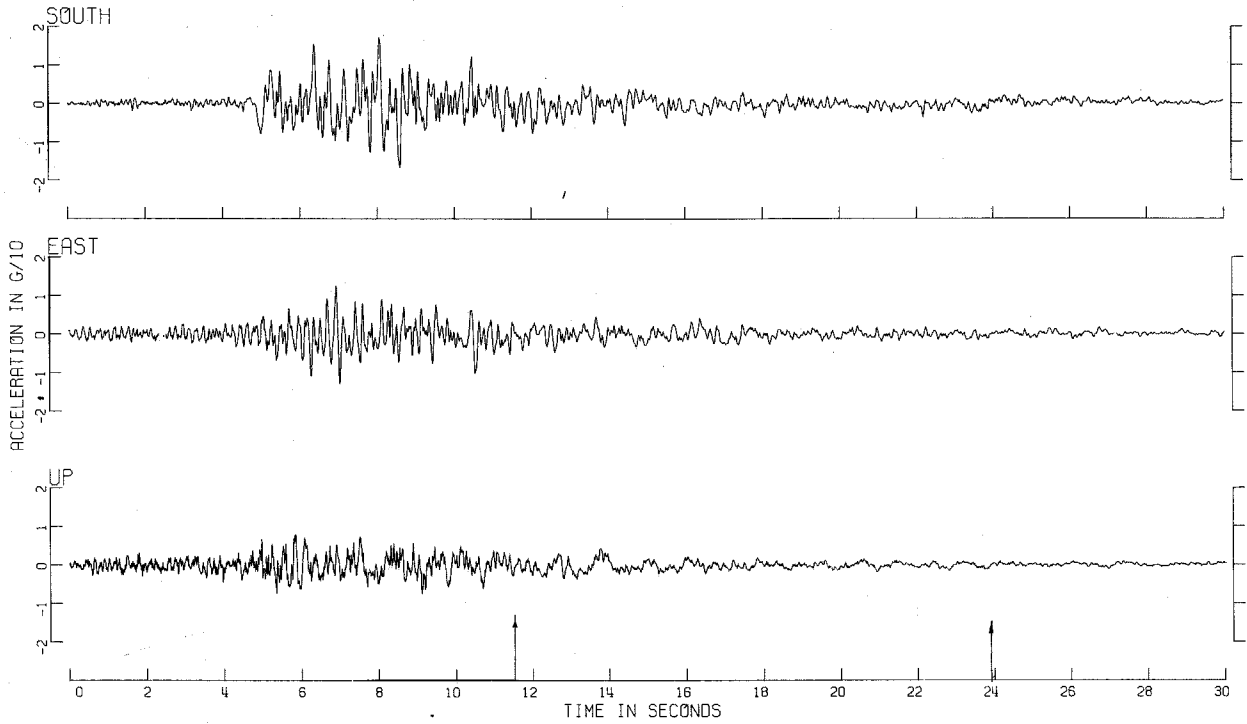


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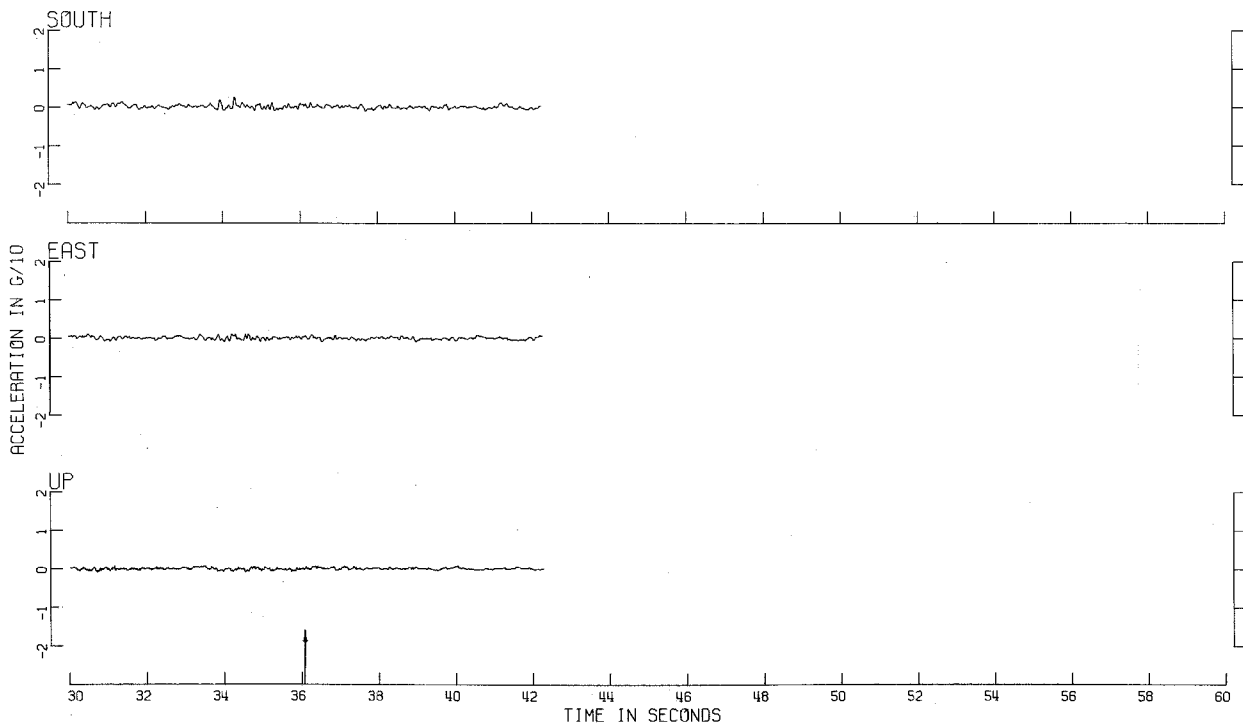


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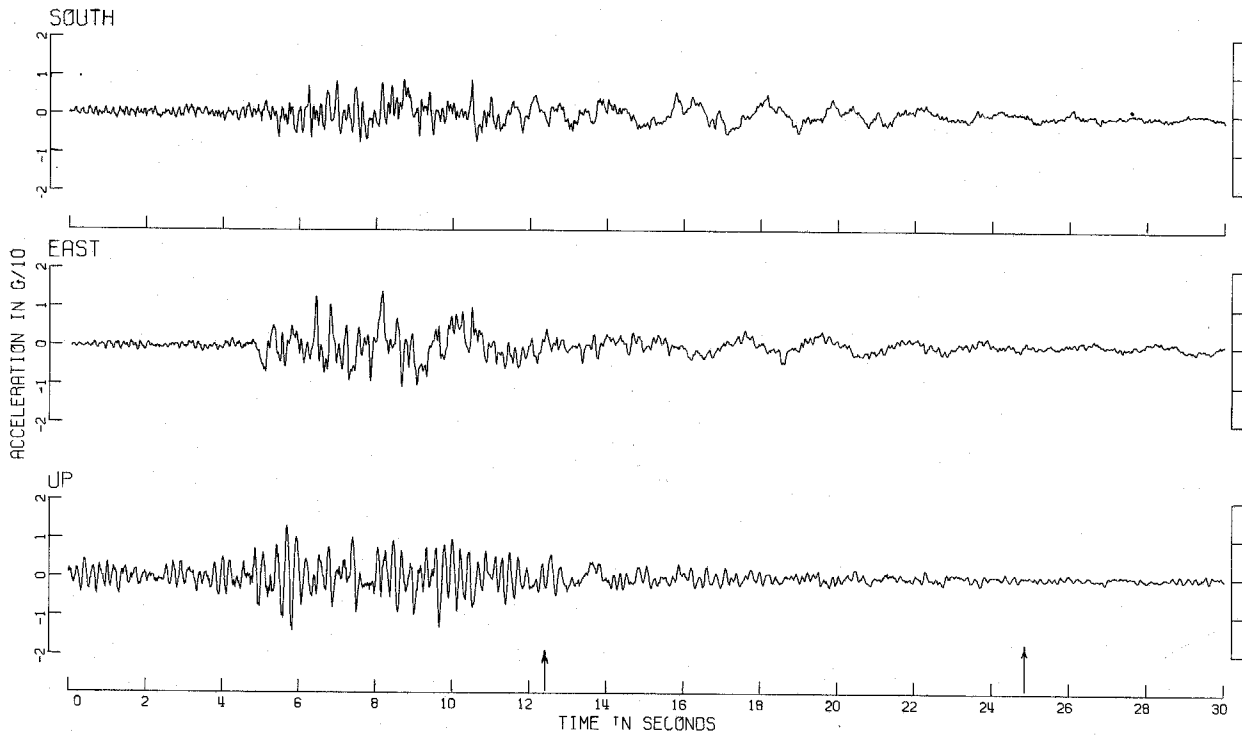


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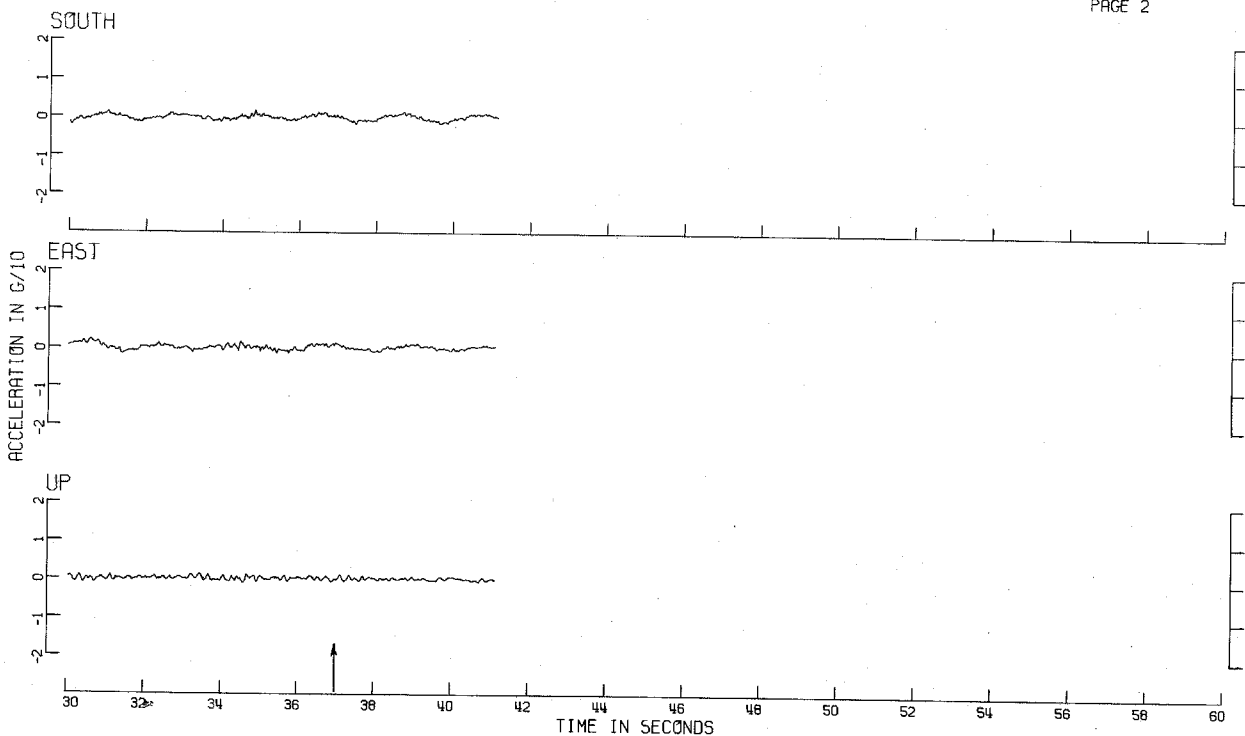


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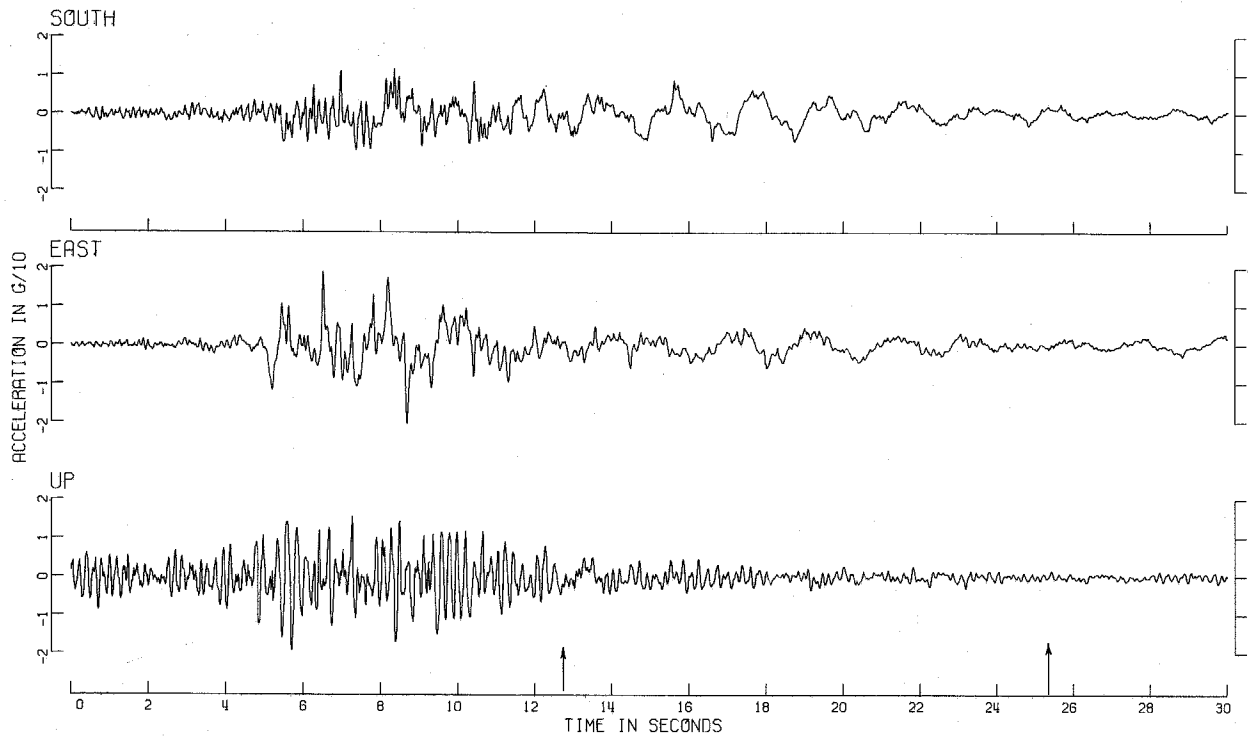


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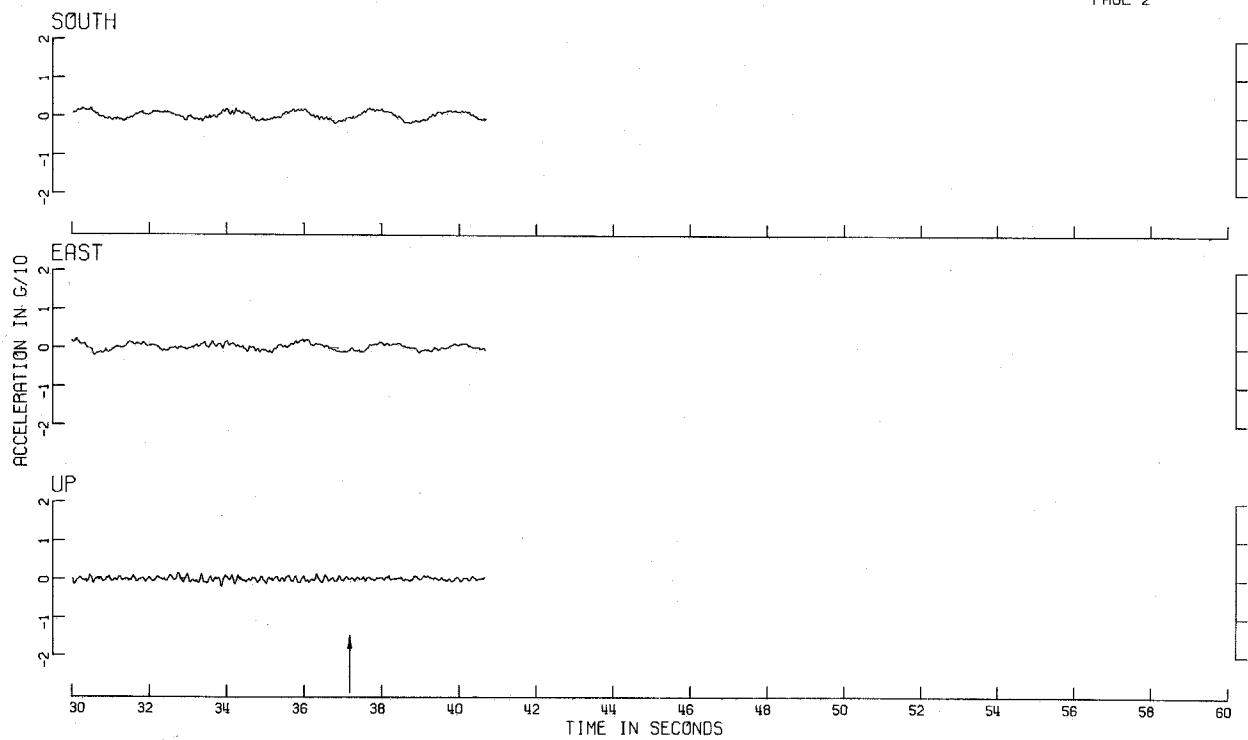


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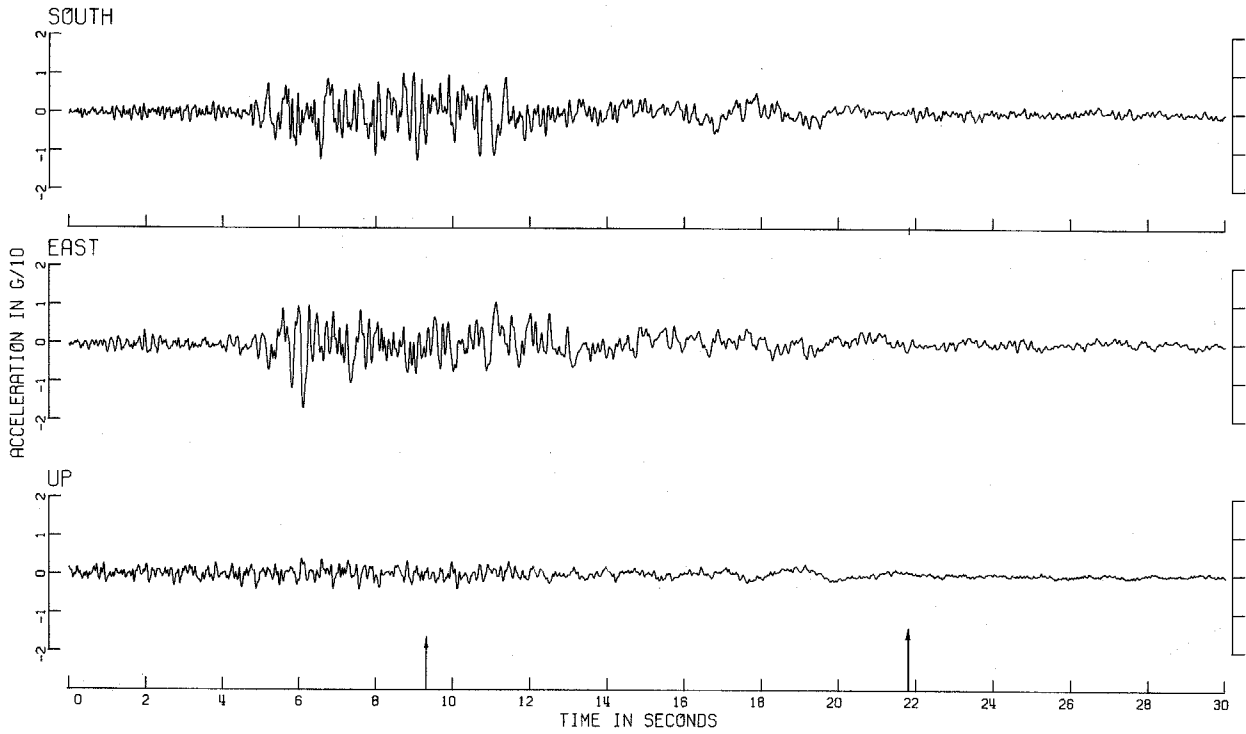


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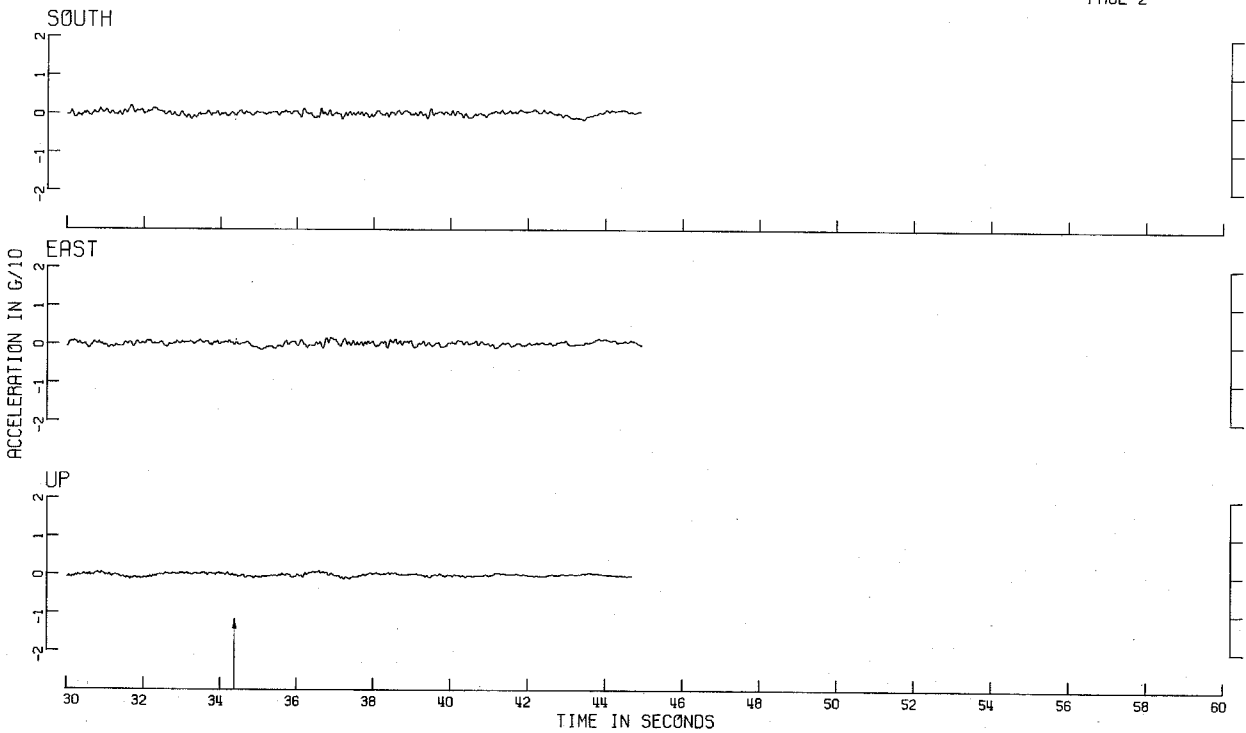


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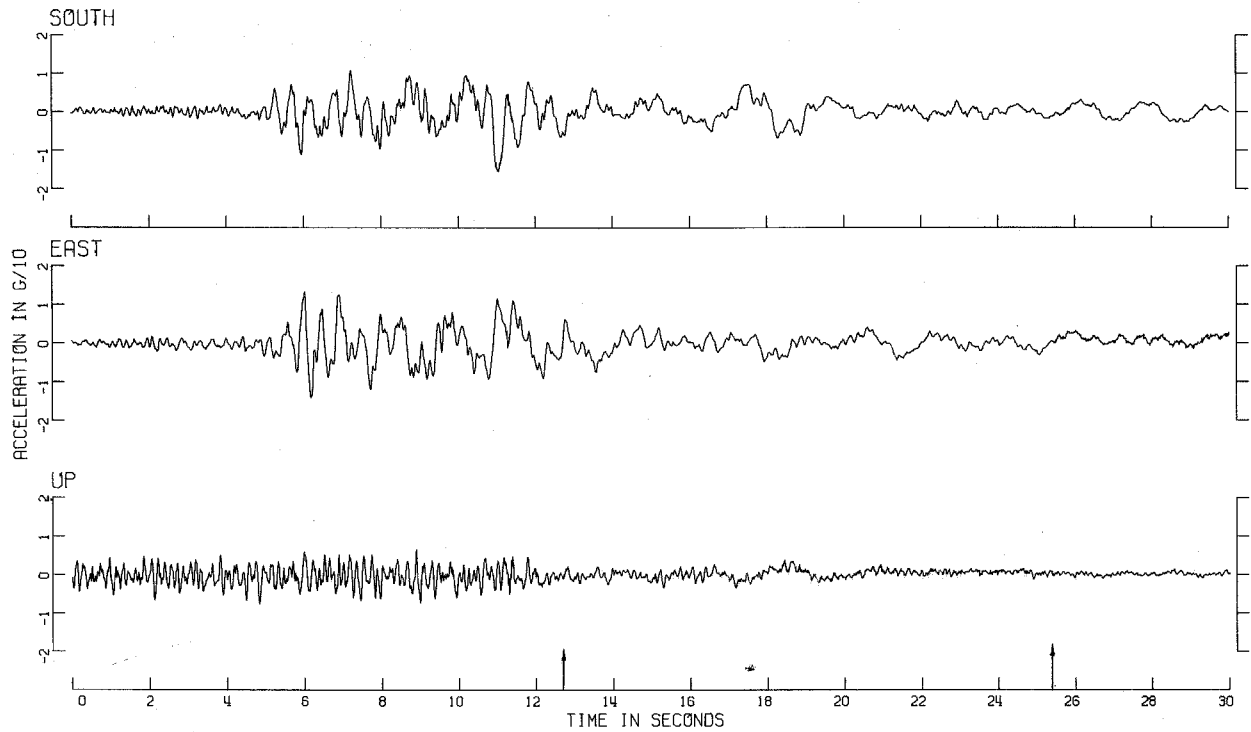


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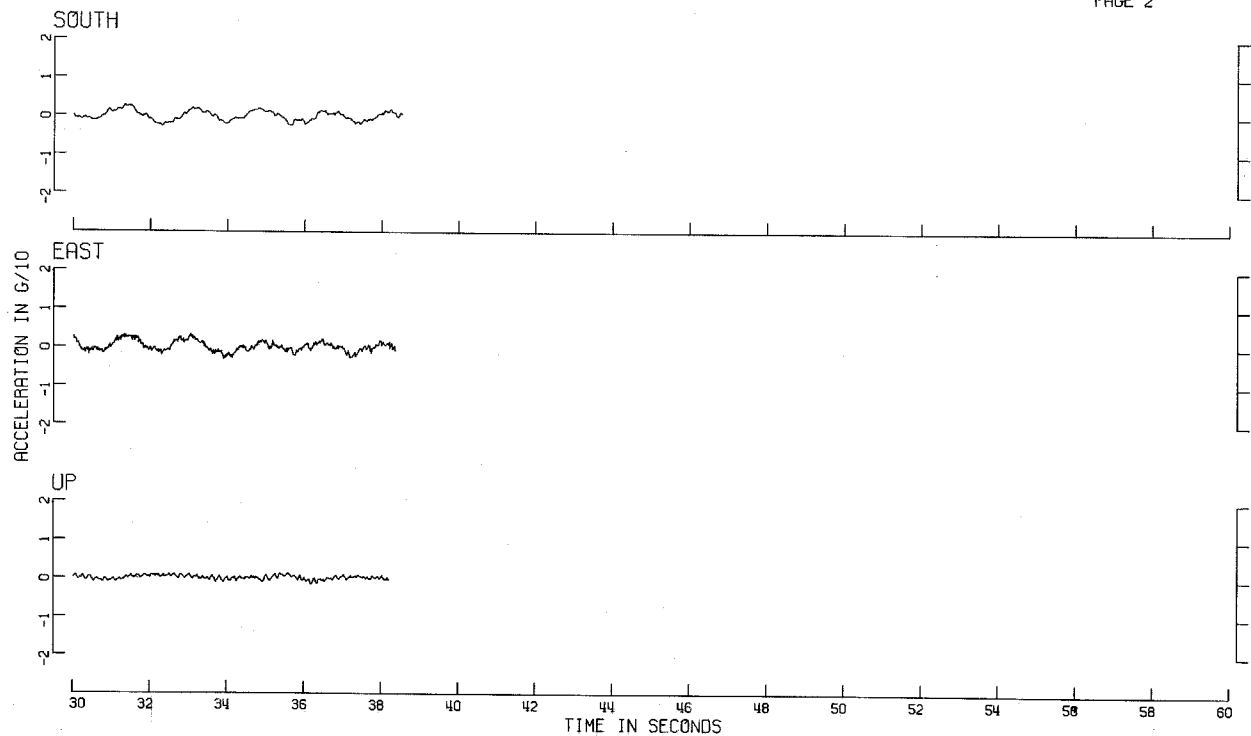


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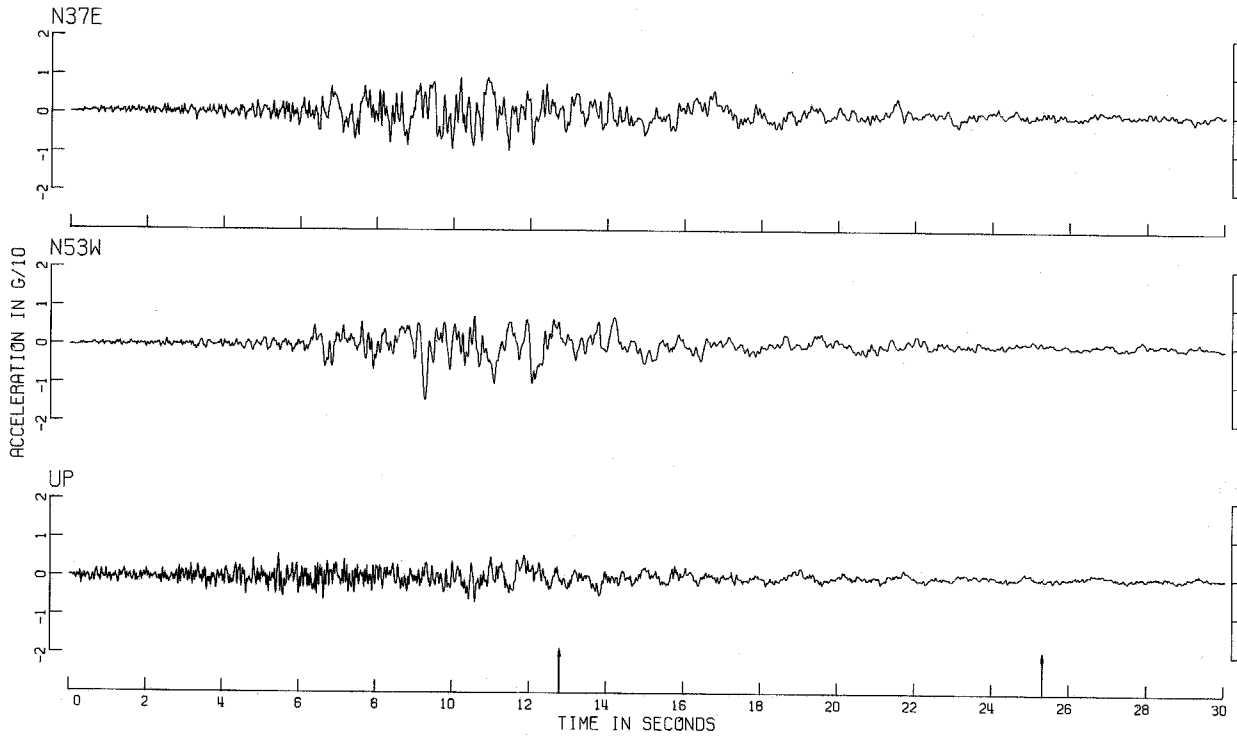


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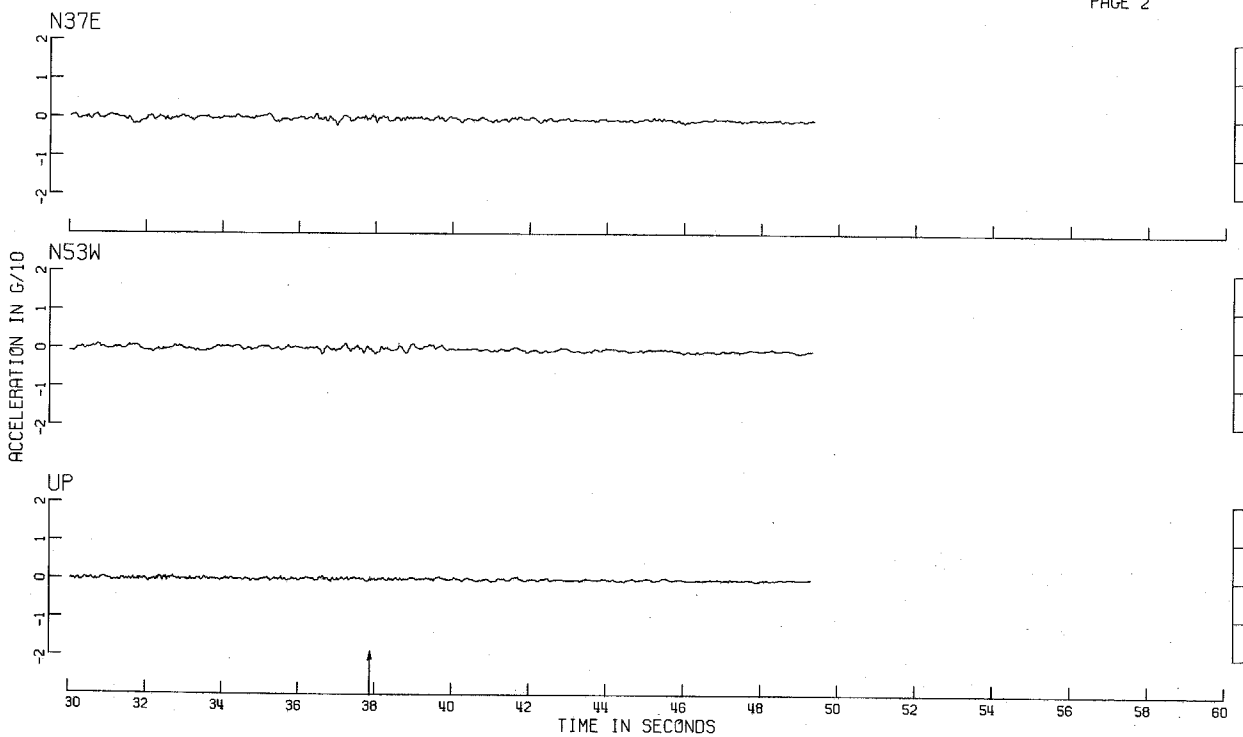


1024171.170 2/9/71 0600PST L.A. 800 W. FIRST ST. 1ST FLOOR

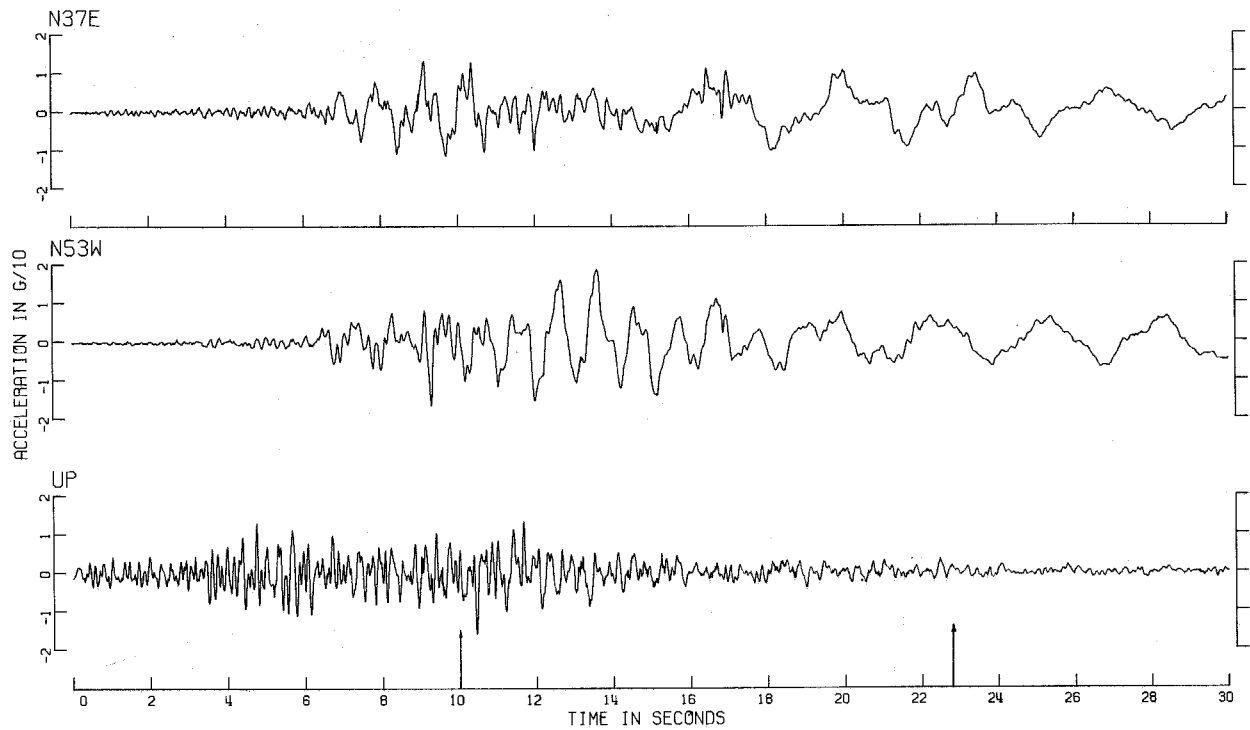


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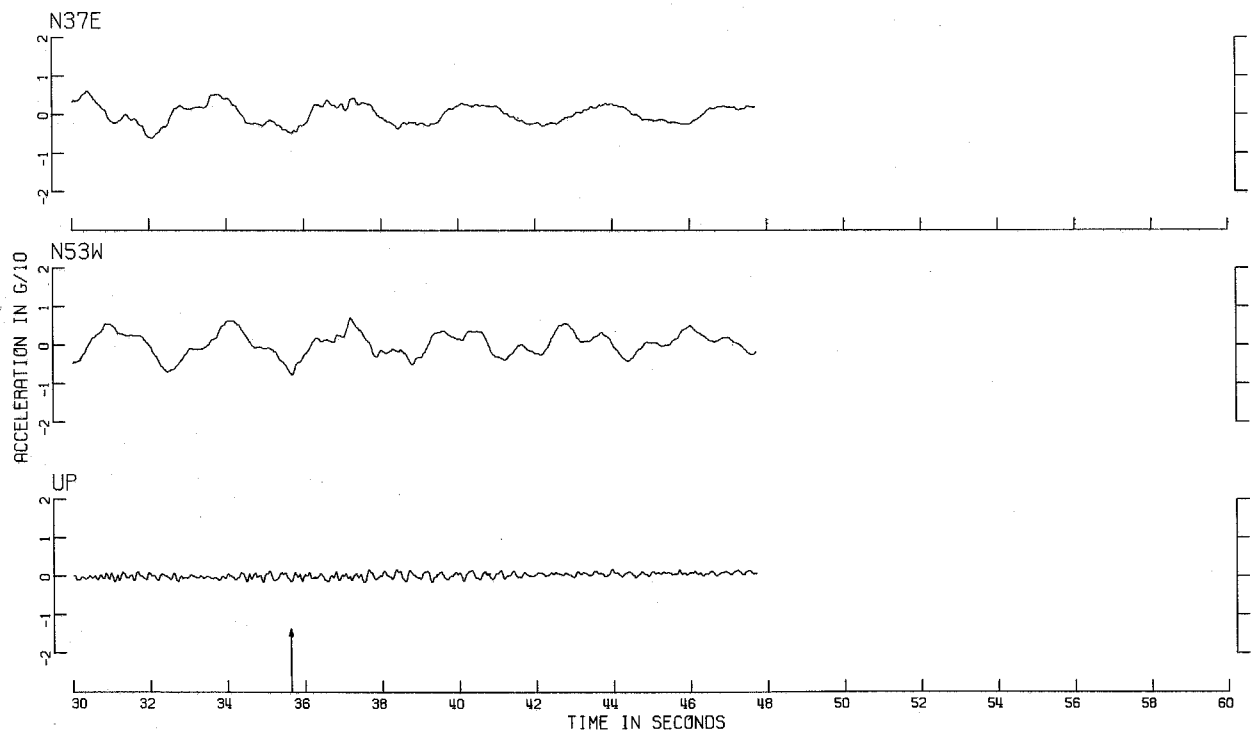


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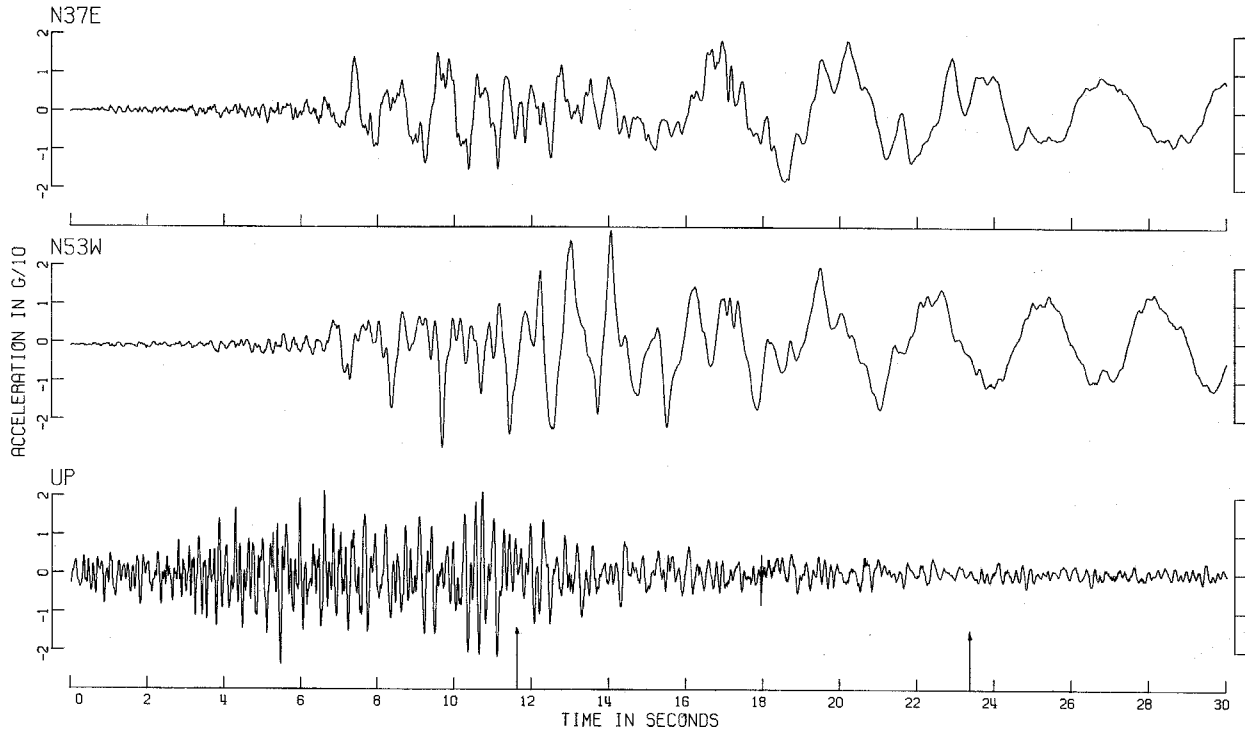


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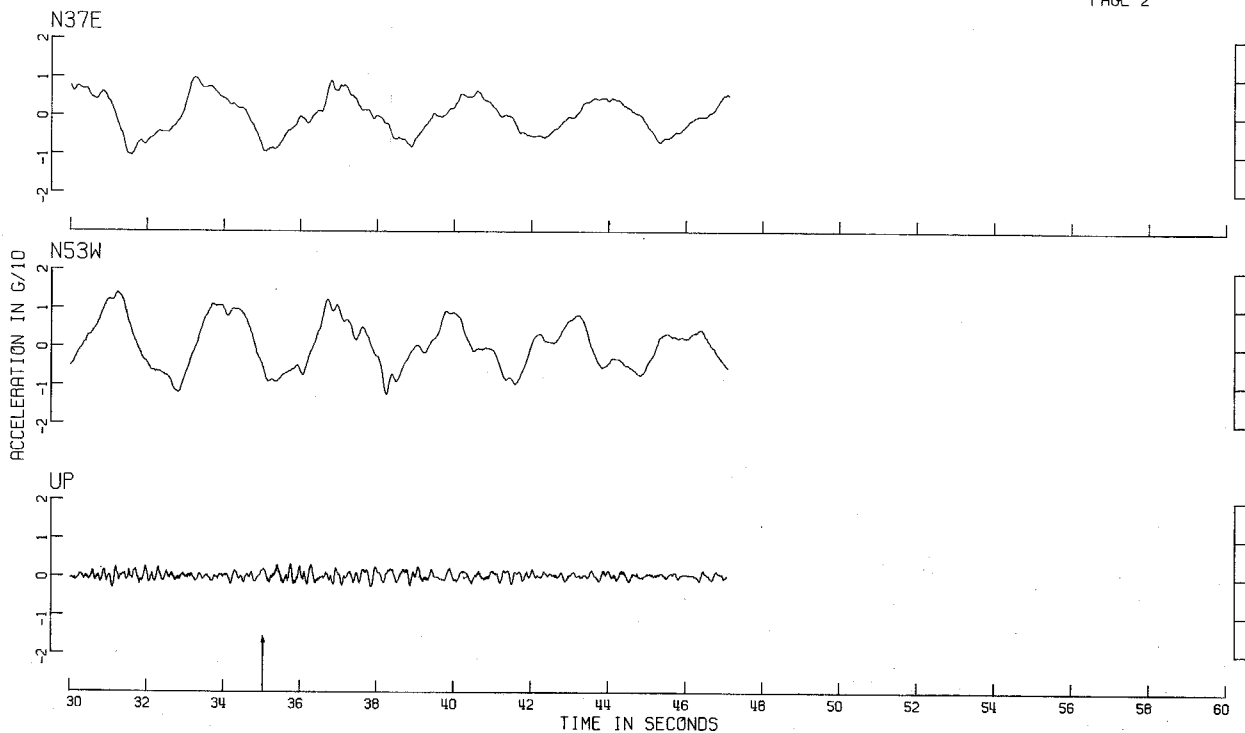


10243 71.172 2/9/71 0600PST L.A. 800 W. FIRST ST. 33RD FL.



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California Institute of Technology
Earthquake Engineering Research Laboratory

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

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| EERL 70-20 | Strong-Motion Earthquake Accelerograms - Digitized and Plotted Data (Vol. I, Part A) | PB-187 847 |
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| EERL 71-20 | " (Vol. I, Part C) | PB-204 364 |
| EERL 71-21 | " (Vol. I, Part D) | PB-208 529 |
| EERL 71-22 | " (Vol. I, Part E) | PB-209 749 |
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| 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 |
| EERL 72-50 | " (Vol. II, Part B) | PB-220 161 |
| EERL 72-51 | " (Vol. II, Part C) | PB-220 162 |
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| EERL 73-51 | " (Vol. II, Part F) | PB-224 977/9AS |

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| EERL 73-101 | " " | (Vol. IV, Part C) | PB-222 514 |
| EERL 73-102 | " " | (Vol. IV, Part D) | PB-223 969/AS |
| Joint Report: | Strong-Motion Instrumental Data on the San Fernando Earthquake of February 9, 1971 | | PB-204 198 |
| EERL 71-01 | P. C. Jennings, <u>et al</u> , Forced Vibration of a 22-Story Steel Frame Building | | PB-205 161 |
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| DRC 73-02 | Earthquakes and Insurance, Published Papers on the Earthquake Research Affiliates Conference of 2-3 April 1973 | PB-223 033 |