Studies of selected voids.
Surface photometry of faint galaxies in the direction of 1600+18 in Hercules void.

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Abstract. Surface photometry, coordinates, magnitudes m(B), diameters, position angles and some morphological parameters are presented for ca. 1850 faint galaxies in a field of one square degree centered at 1600+18 (1950) (Hercules void). The distribution of the magnitudes of the galaxies in this direction is compared with "Log Normal" and "Gauss" ones and with similar results from SDDS studies of galaxies. Some candidates for primeval galaxies – 38 large Low surface brightness galaxies were detected in the direction of the void.Major axes luminosity profiles are analyzed. Comparison between two different methods for automatic selection and classification – a new package, based on MIDAS INVENTORY and SExtractor packages have been made.
Key words: astronomy: Voids, Galaxies, Astrometry, Photometry, Morphology

Introduction

The scientific results shown in this paper are part of a collaborative project between the Institute of Astronomy, Bulgarian Academy of Sciences and Max Plank Institute of Astronomy, Heidelberg, Germany. The project was devoted to investigation of some known voids. For details further information concerning voids see Oort (1983) and Rood (1988).

Because of large quantity of data after full surface photometry procedure these results still have not been published. Partially some results co. voids were reported during the Balkan Astronomical Meeting'2004 (Petrov et al., 2005), Fifth Bulgarian-Serbian Conference (Petrov et al., 2007) and the International astronomical conference "NAO Rozhen - 30 years eyes to the sky", Smolyan, September'2011 (Petrov, 2012).

In section 1 observations and reductions are described. In section 2 main INVENTORY results are presented. Comparison between two methods for automated selection and classification is presented. In section 3 the morphological parameters of the galaxies are studied and some steps toward the understanding the nature of primeval galaxies are marked. In section 4 some SeXtractor results are discussed. Section 5 contains conclusions and discussion.

1. Observations and reductions

During the nights of 27 and 28 june 1991 two plates with coordinates (2000.0) of the center – No.1830 RA: 16h 01m 58s and DEC: +17d 57' 30" and No.1831 RA: 16h 02m 15s and DEC: +17d 51' 43" were taken as a part of collaborative project between MPIA, Heidelberg, Germany and IA of BAS (Petrov et al., 1993). The Ritchie camera of the 2-m RCC telescope at National Astronomical Observatory, Rozhen - Bulgaria was utilized. ORWO plate ZU21 30x30 sqr. cm and Schott filter GG 385 were combined to realize the standard B-system.

The exposition time for the two plates was 180 minutes, enough to detect objects fainter than 21 mag. Neutral wedge was exposed for 40 minutes on each plate after the main exposure. The seeing was very good – ca.1" - 1.5". The unvignetted field is ca. 50 sqr. minutes for each plate and common unvignetted field is ca. 1x1 sqr.deg.

Two sets of CCD frames in B and R were taken with 1024 x 1024 sqr. px Photometrics camera, attached to the prime focus on the 2_m RCC telescope during the night of 28.07.2003. M92 standard fields (Cristian et al., 1985) were taken twice during the same night.

In our earlier work (Petrov et al., 1999) coordinates of 1745 galaxies, all that were detected visually on the two plates, were measured on an GLAREX machine in MPIA Heidelberg. SAO standard stars taken with OVERLAY program developed by MPIA, were used as astrometric standards. Another program – AMETRY was used to convert the rectangular coordinates to equatorial ones. Third order polynomial was used to determine the coefficient of transformation of the coordinates. After the procedure of visual inspection of glass copy of POSS we got 225 galaxies in the same field.

In the same time, 207 galaxies, Radio sources, Ir Sources and X_ray Sources were catalogued in NED till the end of 2003 in the same 1 x 1 sqr.deg. field. Now after SDSS a lot of objects were found in the same region – see, e.g NED search with "near position" option.

In the second stage of this study the two plates were scanned in the former Astronomical Institute, University of Muenster on PDS 2020 GMplus scanning machine with 25x25 mkm square slit and 20 mkm step, getting 14400 x 14400 sqr.px with scale 0."25/px and seeing of 1" covering 4 px. (see Schuecker et al., 1989 and citation herein).

The linearization of the images was performed with a photometer wedge super exposed on the plates and the program package INTENAIP from the AIP context added from dr. G. Richter, Potsdam to the ESO MIDAS package.

All the reduction after uses d-r Kniazev's realization of the AIP context of ESO-MIDAS package (Kniazev et al., 2003) and standard INVENTORY package.

2. INVENTORY results

Automatic procedure for finding objects above the given background (Kniazev et al., 2003) was used. The program finds galaxies and stars. The new program package created for the purposes of discovering Low Surface Brightness Galaxies from the Sloan Digital Sky Survey is based on the Kitt Peak International Spectral Survey (for **KISS** see Salzer et al. 2000) reduction package (Kniazev et al. 1997, 1998) and some programs from the Astrophysical Institute of Potsdam (**AIP**) package in MIDAS (Lorenz et al., 1993; Kniazev, 1997) for adaptive filtering and topological operations with masks.

These programs have been recompiled for our purpose – to discover and make photometry and astrometry of all galaxies in the direction of some voids. The basic steps are:

– Search for all objects in the field and construct the main table
– Convert X,Y in RA,DEC

- First separation Stars/Galaxies
- Photometry of selected objects
- Visual inspection of all selected objects and separation of close pairs
- Deleting all multiple identified objects
- Determining magnitudes and surface brightness in 25_isophote
- Comparison with other galaxy number counts – e.g. with SDSS

As a result of three independent interactive visual selection and confirmation we found 1171 galaxies on plate No.1830 and 1229 on plate No.1831 with the limiting B_magnitude of 20.72 and 21.85 respectively. Figure 1 presents distribution of detected galaxies in RA_DEC plane.
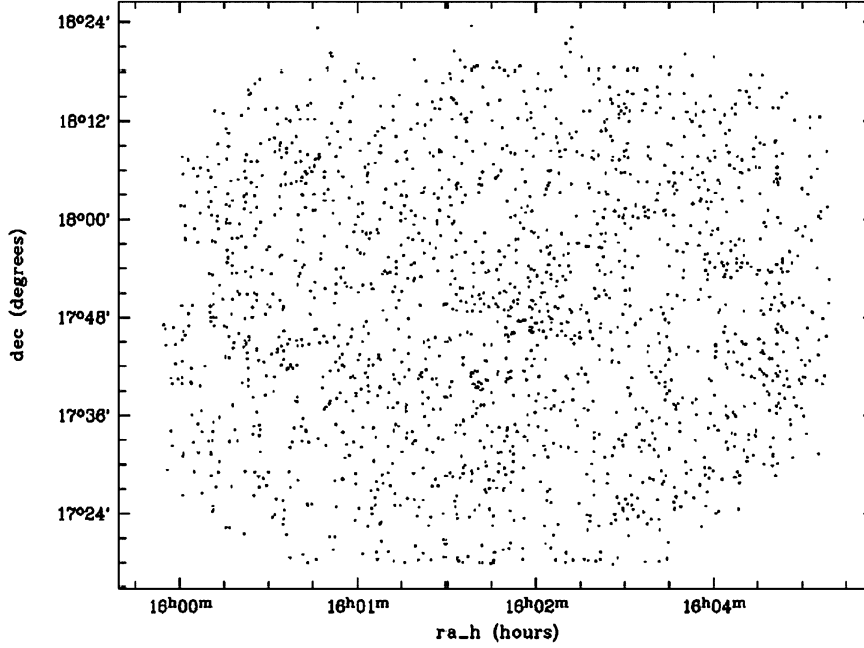
Fig. 1. Distribution of selected galaxies in the region of Hercules void

The main MIDAS Table 1 contains all information about the detected galaxies: accurate positions X_cent, Y_cent, major axes Large_D, axis ratio AX_RA, position angle Pos_A, coordinates RA, DEC (2000), total flux B_fl, effective radius R_eff, integrated magnitudes B_t and B_msk with its uncertainties, effective radii with 50% and 90% of the luminosity – R50_B and R90_B (in arcsec), effective surface brightness SBB_50 and SBB_90 in mag/sqr.arcs, concentration indices C, composite SDSS_like_NAME and radii for determining the magnitudes to 25_isophote with their uncertainties (in arcsec). The table containing large quantity of data has been constructed as two_parts –

Tabl.1 and Tabl.2 here is some extraction from the data for illustration purposes only. The table could be accessed in electronic form from the site of the Bulgarian Astronomical Journal www.astro.bas.bg/AIJ/, volume 19, under the names "Studies of gelected voids. Table 1" and "Studies of gelected voids. Table 2".

Table 1. V16full-part1 – extractions

Seq	D	ratio	PA	ra	dec	B_msk	eB_msk	RB_ef	SBB_ef	B_t	RB_50	SBB_50
1	10.77	0.789	64.5	239.9728	17.7849	19.83	0.289	1.88	23.41	19.82	2.34	23.25
2	28.42	0.545	-21.1	239.9759	17.7767	18.60	0.184	3.15	22.29	18.59	4.42	23.58
3	17.82	0.984	64.6	239.9766	17.7437	19.06	0.216	2.71	22.98	19.05	2.84	22.90
4	13.87	0.857	54.4	239.9790	17.4893	19.20	0.224	2.19	22.58	19.20	2.10	22.23
5	26.29	0.350	-22.1	239.9850	17.6762	20.10	0.324	2.48	22.82	20.05	4.27	25.16
6	12.00	0.928	-59.5	239.9851	17.5688	20.03	0.308	2.08	22.56	20.04	1.93	22.97
1847	18.13	0.868	84.5	241.0880	17.6810	18.87	0.262	2.03	22.39	18.87	2.00	22.37
1848	22.05	0.808	83.4	241.0909	17.7620	18.62	0.236	1.85	21.71	18.61	1.29	21.16
1849	63.42	0.306	-71.9	241.0912	18.1387	16.92	0.114	4.05	21.90	16.92	5.83	22.74
1850	27.16	0.929	-14.9	241.0929	18.0259	17.84	0.171	3.18	22.17	17.84	2.97	22.20
1851	19.41	0.947	28.2	241.0950	17.8298	18.95	0.273	1.95	21.95	18.95	1.02	21.00
1852	35.43	0.821	84.8	241.0961	17.8785	15.90	0.073	3.35	20.50	15.90	3.26	20.46

Table 2. V16full-part2 – extractions

Seq	RB_90	SBB_90	C	RA'2000	DEC'2000	SDSS_like_NAME	RB_25	B_25	eB_25
1	4.20	24.17	1.791	15:59:53.52	17:47:05.64	J155953+174705	3.67	20.34	0.32
2	7.32	24.27	1.657	15:59:54.24	17:46:36.12	J155954+174636	7.65	18.80	0.18
3	4.91	23.76	1.728	15:59:54.48	17:44:37.32	J155954+174437	5.64	19.22	0.21
4	4.98	23.94	2.375	15:59:54.96	17:29:21.48	J155954+172921	4.99	19.45	0.23
5	6.92	25.67	1.620	15:59:56.40	17:40:34.32	J155956+174034	3.43	21.24	0.43
6	4.05	24.31	2.101	15:59:56.40	17:34:05.52	J155956+173405	4.08	20.32	0.32
1847	5.65	23.99	2.874	16:04:21.12	17:40:51.60	J160421+174051	4.46	19.11	0.29
1848	4.23	23.10	3.687	16:04:21.84	17:45:43.20	J160421+174543	3.61	18.78	0.25
1849	14.28	24.05	2.441	16:04:21.84	18:08:19.32	J160421+180819	11.96	17.14	0.13
1850	8.06	23.73	2.832	16:04:22.32	18:01:33.24	J160422+180133	7.03	18.05	0.19
1851	5.85	24.15	7.743	16:04:22.80	17:49:47.28	J160422+174947	2.23	19.41	0.33
1852	9.37	22.11	3.168	16:04:23.04	17:52:42.60	J160423+175242	11.97	15.91	0.07

2.1. Detection

After a number of tests, at the beginning we use the combination of two filters that work one after the other with the same window size of 27 pixels – a smooth-and-clip (SAC) filter (Shergin et al., 1996) and the fast median smoothing algorithm with circular window, implemented into MIDAS by Shergin (1997). We use simple thresholding to detect galaxies with large angular sizes, and we divide this procedure into two separate iterations: 1) detection

of objects above the 3_sigma noise level on the unsmoothed images and 2) additional detection of objects above the 3_sigma noise level on the smoothed images.

Mask frames are generated during each step. For illustration, two our test galaxies with overplotted mask borders are shown in Fig.2.
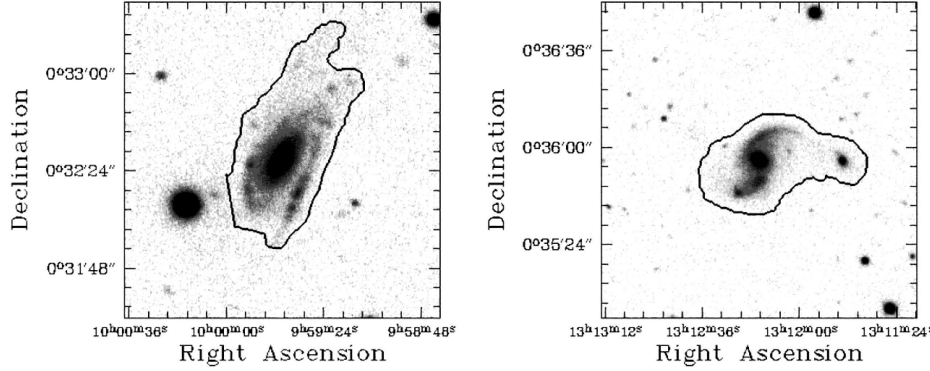
Fig. 2. Two test galaxies with overplotted mask borders.

2.2. Integrated photometry

After that the apparent flux is measured inside the same mask for background subtracted images. The instrumental flux is transformed into the apparent magnitude in the standard photometric system. For calibration we used the NED magnitudes for bright galaxies in our field.

A code for fitting the sky background from the AIP package for adaptive filtering is used, which constructs the background within the masked regions. This algorithm iteratively fills the background inside the mask by interpolating the background from the regions outside the mask (Lorenz et al. 1993; Kniazev 1997) and it is used twice: 1) to subtract any contaminating sources like foreground stars or background galaxies and 2) to fit and subtract the sky background.

2.3. Creation of surface brightness profiles

The software generates SBP by measuring magnitudes in circular apertures. As the analysis in Bremnes et al. (1999) showed, good agreement exists between an elliptical fit and circular aperture photometry. Our module is capable of measuring SBPs with any constant step size. After a SBP is created, the effective radius Reff_B, the effective surface brightness SBB_eff, the radius of the region containing 90% of the integrated (RB_90), and the concentration index C=R90/RB_eff are calculated. We also use set of programs from the

AIP package to calculate the following parameters: the PA of the major axis for each filter, the axis ratio b/a, effective surface brightnesses SBB_eff, and effective radii RB_eff. All these additional parameters are calculated using the multilevel mask approach (Kniazev 1997), in which each region of intensities of the studied object is labeled with a different mask. Figure 3 and Fig. 4 present distribution of galaxies acc. to their magnitudes. The slope of the fit on Fig. 4 is 0.6.
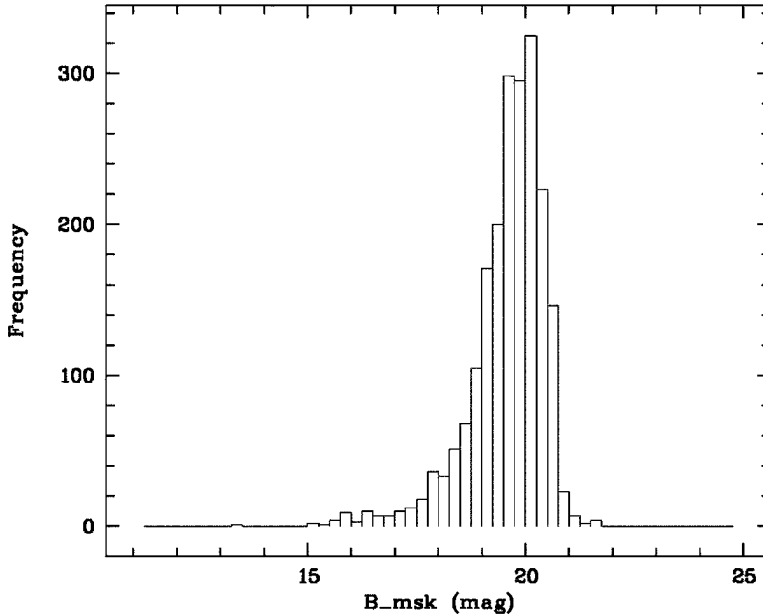
Fig. 3. Histogram of galaxies distribution acc. to their magnitudes.

2.4. Rejection of false detections

The primary selection algorithm identifies all sufficiently large objects and calculates their model-independent parameters. Thereafter we clean the list of false detections. Additionaly we checked visually all the rejected objects. Since our programs are very simple and, by design, are looking for extended objects, they cannot recognize all possible blends and other complicated cases (ghosts, parts of halos around bright stars) if these have photometric parameters close to normal galaxies. Such cases thus cannot be rejected by our module automatically either. Therefore, during the second step we interactively checked all remaining candidates by eye to identify such objects.
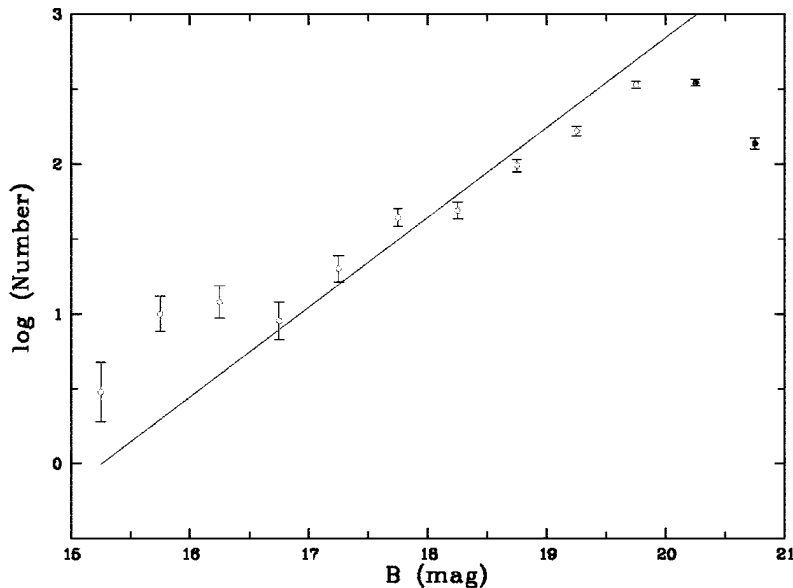
Fig. 4. Fitting of the magnitudes distribution of galaxies

3. Morphological types and concentration index

The photometric programs calculate a number of global morphological parameters for every galaxy. Some of these may be useful for morphological galaxy classifications (see earlier discussions by, e.g., Kent (1985); Kodaira et al. (1986); Fioc & Rocca-Volmerange (1999); Shimasaku et al. (2001); Strateva et al. (2001)). A particularly useful parameter is the concentration index (C hereafter), defined as the ratio of the radii containing 90% and 50% of a galaxy's light. For the classical de Vaucouleur's profile, C is $\sim$ 5.5, and for pure exponential disks, C $\sim$ 2-3. These values are valid for the idealized seeing-free case, which we are approximating due to the limiting angular size of PSF that we impose in this work. Figure 5 and Fig. 6 present dependences of effective Surface Brightness and effective radius at 25.0 isophote from concentration index.

4. Giant LSB galaxies

An interesting aspect of this pilot study is the identification of a substantial number of luminous distant galaxies with considerable bulge and/or bar components. The underlying disks are low-surface-brightness disks with disk scale lengths in the range of ca. 7.5 to 13 kpc. These galaxies fall into the category of the so-called "giant LSB galaxies", or "cousins" of Malin 1 (Bothun et al.,

1987). On the Fig. 5 and Fig. 6 dependences of Surface Brightness and effective radius at 25.0 isophote from concentration index – R90_B/R50_B-ratio are presented. Here R90_B and R50_B are the radii containing 90% and 50% of the energy respectively.
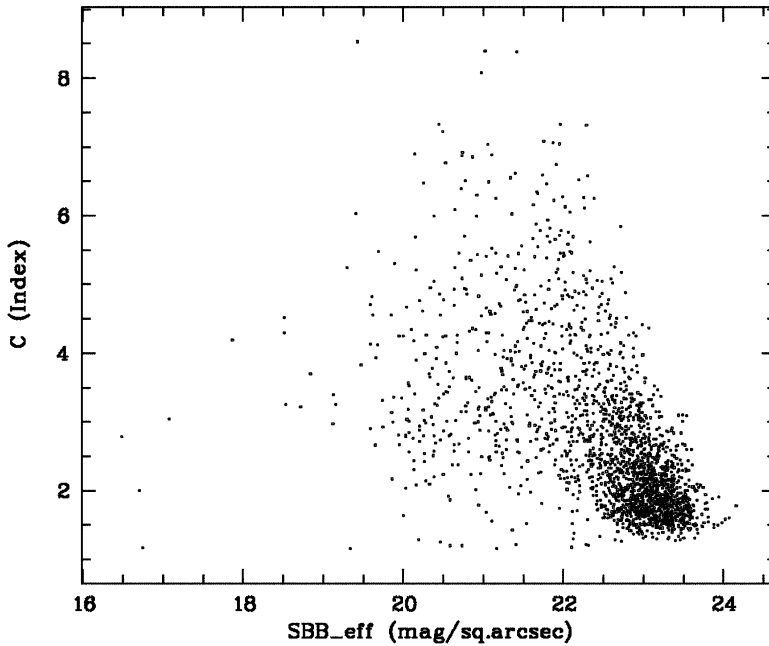
Fig. 5. Dependences of Surface Brightness at 25.0 isophote from concentration index – R90_B/R50_B-ratio.

The properties of giant LSB galaxies are summarized in the paper by Sprayberry et al. (1995). Currently, only few galaxies of this type are known. Turner et al. (1993), studying A3574 cluster found a significant number of large LSBG among their list with 300 objects. Kniazev et al., 2003 added a list of ten giant LSB galaxy candidates. As Bothun et al. (1997) emphasize, giant LSB galaxies are quite enigmatic from the point of view that they normally formed their spheroidal component, but no conspicuous stellar disk ever formed around their bulge. Fig.7 and Fig.8 present dependence of Surface brightness from Integrated magnitude and major diameters of galaxies. Some LSBG could be selected here – bright galaxies with B_mag ca. 15.5–18 or such ones with large - > 40 arcsec diameters and SB > 22 mag/sqr.sec – we select 38 large LSBG. Recently both LSBG in SDSS has been studied very actively – see e.g. Galaz et al. (2011).
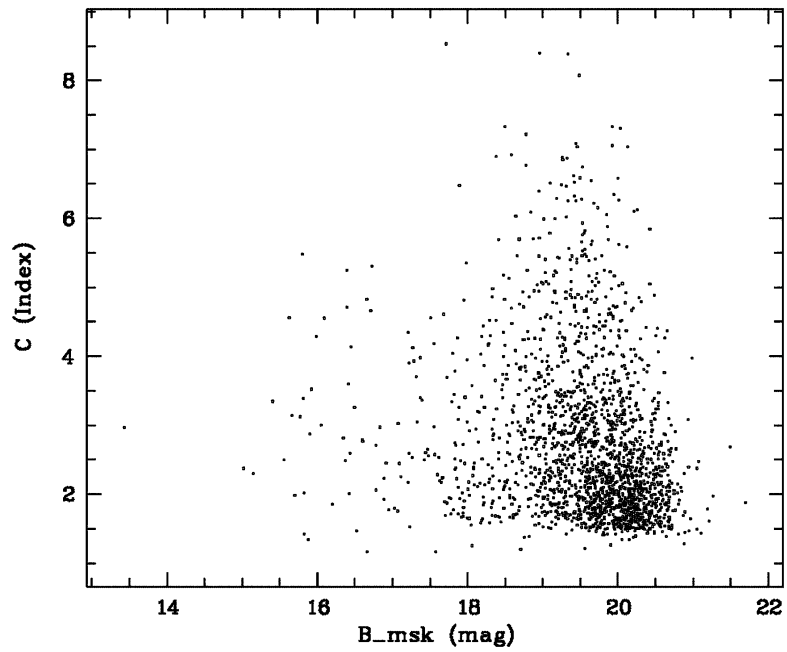
Fig. 6. Dependences of integrated magnitude from concentration index – R90_B/R50_B-ratio.
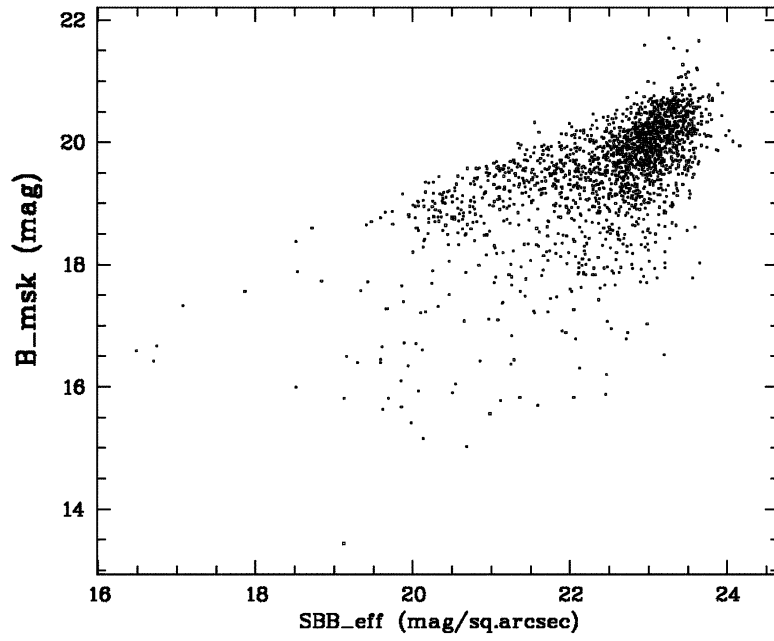
Fig. 7. Dependence of Surface brightness from Integrated magnitude of the galaxies.
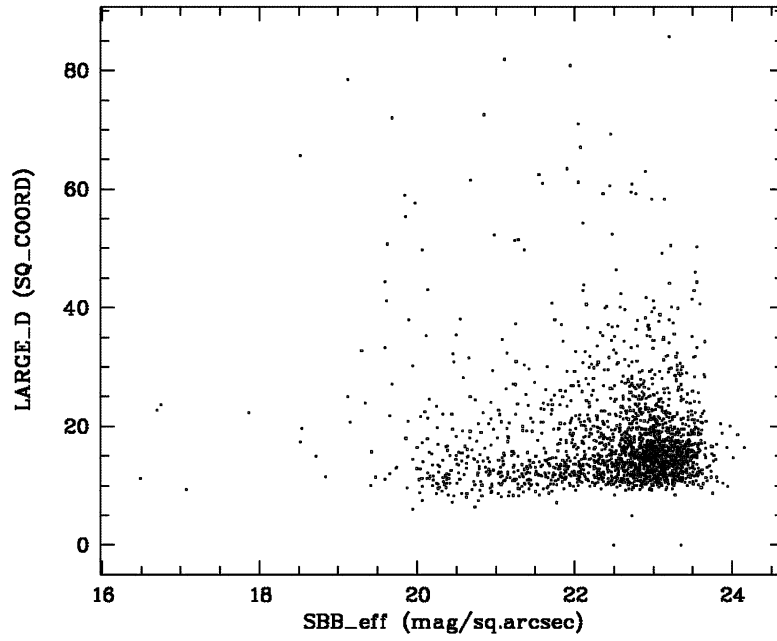
Fig. 8. Dependence of Surface brightness from the major diameters of the galaxies.

5. Results using SExtractor

Bertin's (1996) SExtractor give us the same possibilities – to find, classified as Stars or Galaxies, make aperture and isophotal photometry, astrometry and evaluate some parameters as ellipticity and elongation of the objects in question. Tuning the program correctly is the most important thing to get appropriate results. For details see Holwerda (2003). When applyed to our plates we identified 3412 common objects.
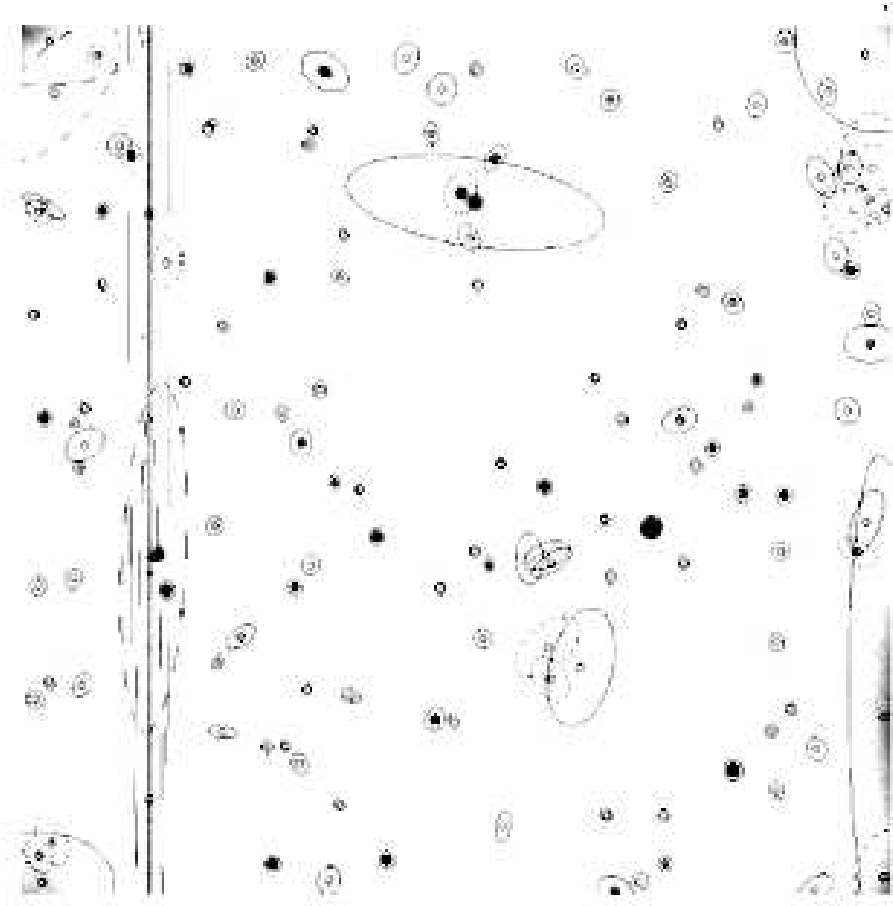
Fig. 9. CCD frame, taken on the 2_m RCC telescope of NAO. Sextractor's ellipses for each galaxy found are shown.

As it is known, automatic stars-galaxies selection is quite inefficient. We define to search all the objects with 30 pixels and above. An illustration of the isophotal photometry is presented on the Fig. 9, where 10 CCD R_frame,

taken on the 2_m RCC telescope of NAO were aligned and averaged and the photometry in the appropriate ellipses was done. SExtractor's ellipses for Mag_auto with 8 arcsec apertures are shown. Brightest "stars" here probably is galaxy – see fig. 10 below for details.

Following is a comparison between the results from search procedures with Kniazev's package and Bertin's SExtractor package – Tabl. 3.

Table 3. Comparison between the results from search procedures with Kniazev's package and Bertin's SExtractor package

Plate No.	Akn_All	Akn_Gal	Vis_gal	SE_all	SE_Akn_comm
1830	3613	1445	-	3953	-
1831	5782	1261	1665	3412	1175

6. Results

Table 4 below presents a selection of objects after execution of SExtractor (Bertin, 1996) find procedure. Here, for example, only 10 from all the 95 objects have been presented. The full Table 4 in PDF format could be reached in electronic form as *v16full-tabl4.pdf*, which can be found at the site of the Bulgarian Astronomical Journal www.astro.bas.bg/AIJ/, volume 19.

Table 4. Selection of objects after SExtractor's find procedure.

Iden	m_iso	m_ap6	m_ap8	m_ap12	m_auto	r_kron	mu_max	xcen	ycen	d_larg	elong	ellipt
19	19.031	20.082	19.656	19.167	18.738	4.550	20.757	16.94	907.33	3.52	1.34	0.25
71	21.308	21.948	21.372	20.736	19.588	7.430	22.582	17.43	202.89	2.37	1.38	0.28
82	20.918	21.978	21.479	20.724	18.841	8.710	22.473	21.48	195.52	4.79	3.78	0.74
45	16.679	17.064	16.819	16.689	16.679	3.500	17.486	23.02	428.16	2.45	1.19	0.16
70	21.205	22.031	21.485	20.768	18.849	8.710	22.646	23.74	212.91	3.88	2.43	0.59
52	18.057	19.866	19.380	18.796	17.684	5.490	20.665	927.89	347.23	6.00	1.42	0.30
79	19.775	21.625	21.141	20.471	17.684	8.110	22.170	928.86	190.43	6.84	2.20	0.55
55	21.145	21.491	21.113	20.748	20.353	6.370	22.162	929.85	314.32	2.08	1.37	0.27
81	19.218	21.666	21.023	20.206	17.075	8.430	22.071	930.30	155.59	8.18	1.96	0.49
77	21.012	22.009	21.410	20.628	19.076	8.170	22.556	945.08	199.01	2.71	1.18	0.15

Conclusions

There follow the main results and conclusions:

– Plates centered of the void 1600 +18 (1950) on the 2-m RCC telescope at NAO Rozhen, Bulgaria, with exposure 150 min and very good seeing, is received.
– More than 1850 galaxies are selected on these plates and their coordinates are measured and presented in the files described inside this paper.

- Ring aperture and isophotal photometry for all of them is performed. Magnitudes and surface brightness are presented.
- Histograms that show distribution of magnitudes and diameters by numbers of galaxies are presented.
- The presented data give us some possibility for studying LSBG population, but spectroscopic data are needed for the final conclusions or the appropriate cluster analysis of data.
- 38 large LSBG - i.e such ones with > 40 arcsec diameters and SB > 22 mag/sqr.sec have been found.

In the Fig.10 the object is probably a bright galaxy with star like nucleus, however classified as star in GSC – 0150700373, is presented. For comparison – see the isophotes of the star near the position (570, 505) on the frame below. The coordinate of the object are RA(2000): 16h 02m 03.41s, DEC(2000): +17d 51' 36.46".
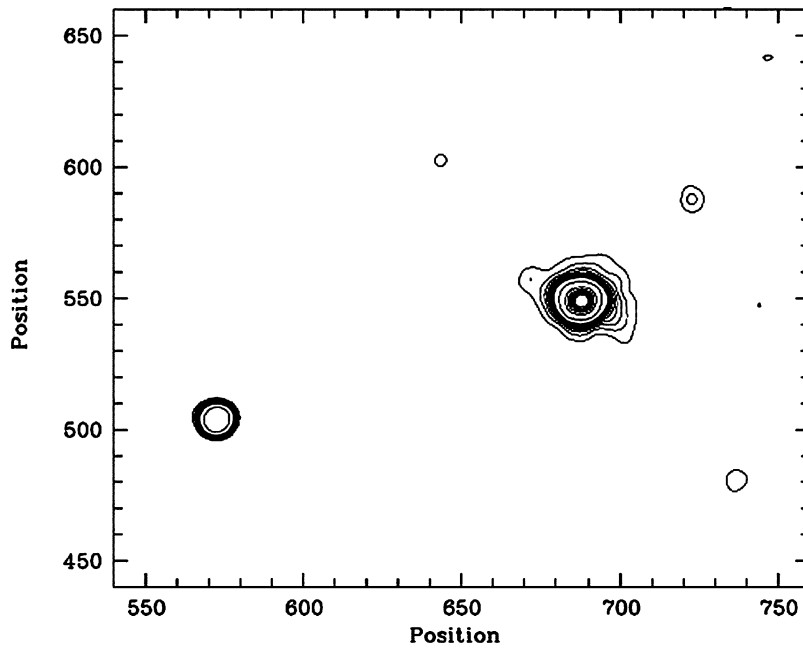
Fig. 10. The brightest star GSC 0150700373 at (690,550), m_R = 13.8 mag with its unusual envelop. Probably galaxy with starlike nucleus.

Acknowledgments

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Table: V16full-part1

Seq	D	AX_RA	POS_A	ra	dec	B_msk	eB_msk	RB_ef	SBB_ef	B_t	eB_t	RB_50	SBB_50
1	10.77	0.789	64.5	239.9728	17.7849	19.83	0.289	1.88	23.41	19.82	0.28	2.34	23.25
2	28.42	0.545	-21.1	239.9759	17.7767	18.60	0.184	3.15	22.29	18.59	0.18	4.42	23.58
3	17.82	0.984	64.6	239.9766	17.7437	19.06	0.216	2.71	22.98	19.05	0.21	2.84	22.90
4	13.87	0.857	54.4	239.9790	17.4893	19.20	0.224	2.19	22.58	19.20	0.22	2.10	22.23
5	26.29	0.350	-22.1	239.9850	17.6762	20.10	0.324	2.48	22.82	20.05	0.31	4.27	25.16
6	12.00	0.928	-59.5	239.9851	17.5688	20.03	0.308	2.08	22.56	20.04	0.30	1.93	22.97
7	24.91	0.653	13.0	239.9877	17.6654	18.78	0.193	2.46	22.72	18.86	0.19	1.53	20.98
8	31.59	0.827	1.5	239.9878	17.5387	17.67	0.124	3.84	23.16	17.67	0.12	3.58	21.95
9	25.02	0.805	43.7	239.9898	17.7796	17.87	0.134	2.42	21.42	17.87	0.13	1.56	19.91
10	15.49	0.664	65.3	239.9926	17.7447	19.96	0.304	2.17	23.61	19.94	0.29	3.23	24.26
11	31.04	0.715	-4.3	239.9929	17.7058	18.18	0.153	3.70	16.54	18.18	0.15	5.56	23.74
12	9.94	0.898	63.8	239.9977	17.6747	18.64	0.180	1.24	22.47	18.64	0.18	0.69	18.57
13	14.71	0.556	-51.7	240.0018	18.0289	20.34	0.344	2.04	23.22	20.47	0.35	2.54	24.21
14	21.67	0.587	48.8	240.0034	17.8243	19.63	0.268	2.60	22.90	19.61	0.26	4.24	24.62
15	17.38	0.867	48.1	240.0037	17.6776	20.01	0.309	2.17	22.76	20.07	0.31	0.99	21.19
16	10.91	0.950	17.3	240.0039	17.6644	19.58	0.259	1.53	22.70	19.57	0.25	0.82	20.10
17	14.86	0.810	64.0	240.0044	18.1273	19.66	0.267	2.03	22.51	19.65	0.26	1.77	22.30
18	25.29	0.470	-78.6	240.0047	17.7546	19.50	0.256	2.62	22.95	19.49	0.25	4.13	24.43
19	14.90	0.916	38.1	240.0049	17.7108	19.71	0.274	2.17	23.34	19.70	0.27	1.77	22.35
20	15.39	0.919	38.7	240.0054	17.4372	20.33	0.342	2.26	23.04	20.31	0.33	2.79	24.29
21	13.93	0.568	41.1	240.0054	18.0924	20.18	0.323	2.00	22.58	20.16	0.32	3.10	24.41
22	18.68	0.601	42.5	240.0054	17.5177	19.57	0.258	2.48	21.45	19.56	0.25	4.00	24.41
23	11.15	0.742	-45.7	240.0061	17.7715	20.06	0.314	1.89	23.00	20.04	0.30	2.86	24.05
24	14.90	0.909	65.2	240.0063	17.5226	18.59	0.177	1.10	22.83	18.59	0.18	0.72	18.61
25	15.51	0.842	69.2	240.0080	18.0271	19.63	0.264	2.13	22.54	19.58	0.25	1.70	22.09
26	15.08	0.626	-6.2	240.0093	17.7641	20.37	0.354	2.01	21.47	20.35	0.34	2.80	24.34
27	11.19	0.822	32.4	240.0093	17.9618	19.19	0.222	1.23	22.40	19.18	0.22	0.74	19.35
28	12.95	0.975	76.8	240.0097	17.9876	19.02	0.208	1.50	22.00	19.02	0.21	1.11	20.28
29	12.18	0.830	68.4	240.0100	17.9588	19.80	0.280	1.84	23.77	19.79	0.28	3.28	24.13
30	16.17	0.919	-44.5	240.0141	18.1216	19.60	0.261	2.36	23.34	19.59	0.26	1.89	22.39

31	10.04	0.827	83.1	240.0145	17.8083	20.05	0.311	1.66	23.32	20.13	0.31	0.88	20.93
32	37.94	0.720	-86.9	240.0154	17.7828	17.44	0.114	3.71	23.08	17.44	0.11	3.04	21.24
33	12.35	0.559	33.2	240.0196	17.6685	20.64	0.389	1.82	22.91	20.63	0.37	2.52	24.37
34	16.40	0.918	-25.3	240.0199	17.6651	19.68	0.271	2.40	21.91	19.67	0.26	3.22	23.95
35	11.25	0.942	-80.2	240.0201	17.6959	19.04	0.210	1.30	22.79	19.09	0.21	0.84	19.63
36	11.56	0.888	-0.1	240.0210	17.6014	20.05	0.309	1.99	22.34	20.04	0.30	3.27	24.41
37	14.04	0.924	-23.2	240.0215	17.8248	18.95	0.204	1.63	22.29	18.95	0.20	0.91	19.65
38	17.36	0.948	1.7	240.0229	17.5453	18.38	0.163	1.14	20.18	18.38	0.16	0.83	18.75
39	15.81	0.832	-45.0	240.0233	18.1036	19.88	0.290	2.31	22.53	19.86	0.28	2.30	23.24
40	17.13	0.925	9.4	240.0246	17.4858	20.20	0.328	2.34	22.66	20.19	0.32	4.11	25.21
41	11.13	0.790	48.3	240.0249	17.9814	20.31	0.338	1.79	22.97	20.44	0.35	1.49	22.71
42	16.56	0.756	6.0	240.0286	18.0555	19.36	0.237	2.05	21.39	19.35	0.23	1.65	21.75
43	15.17	0.743	51.2	240.0308	17.9533	19.47	0.247	1.86	22.97	19.46	0.24	1.10	20.76
44	10.08	0.887	-72.4	240.0308	18.0878	19.57	0.256	1.28	23.08	19.54	0.25	0.71	19.67
45	12.15	0.916	-53.5	240.0311	17.5825	19.20	0.223	1.38	22.57	19.19	0.22	0.87	19.80
46	14.43	0.979	-56.3	240.0318	17.5244	18.81	0.192	1.38	22.25	18.81	0.19	0.78	19.09
47	15.32	0.897	-62.4	240.0340	18.0138	19.85	0.286	2.30	21.00	20.00	0.30	2.23	23.31
48	12.17	0.603	83.5	240.0342	17.6611	19.85	0.286	1.62	19.57	19.82	0.28	1.28	21.61
49	15.08	0.825	86.2	240.0352	18.1052	19.43	0.244	1.91	23.00	19.42	0.24	1.25	21.07
50	26.17	0.599	83.3	240.0367	17.6093	19.21	0.226	2.95	23.53	19.20	0.22	3.86	23.91
51	13.33	0.862	-41.9	240.0375	17.4423	20.14	0.316	2.12	20.81	20.12	0.31	2.16	23.37
52	23.29	0.895	2.0	240.0382	17.5673	18.19	0.197	3.07	22.59	18.19	0.20	4.88	23.63
53	18.80	0.753	44.9	240.0422	17.7014	19.75	0.277	2.52	22.56	19.87	0.28	2.33	23.29
54	11.65	0.839	-26.1	240.0469	18.1278	20.19	0.444	1.60	22.63	20.21	0.44	0.97	22.14
55	25.05	0.912	-74.7	240.0482	18.1002	18.42	0.166	3.15	23.30	18.42	0.16	2.52	21.84
56	9.78	0.934	-85.7	240.0488	18.0557	20.16	0.437	1.65	22.85	20.15	0.43	1.48	22.99
57	11.19	0.724	-72.1	240.0490	18.0257	20.49	0.497	1.58	23.02	20.49	0.49	1.42	23.25
58	13.54	0.758	50.8	240.0496	17.5481	19.65	0.358	0.91	21.34	19.64	0.36	0.69	20.83
59	13.45	0.776	-10.6	240.0504	17.8891	20.30	0.463	1.81	23.09	20.29	0.46	2.40	24.19
60	11.15	0.911	74.0	240.0514	17.8103	19.04	0.209	1.26	21.65	19.12	0.21	0.75	19.32
61	24.57	0.639	42.9	240.0517	17.8232	19.37	0.321	2.57	23.07	19.36	0.32	4.32	24.54
62	12.19	0.787	38.8	240.0521	17.5205	19.59	0.258	1.55	23.14	19.77	0.27	0.74	20.03
63	20.97	0.553	49.3	240.0522	17.8008	19.67	0.269	2.54	22.57	19.66	0.26	3.29	23.99

64	11.33	0.704	36.3	240.0523	17.5236	20.45	0.356	1.84	23.64	20.47	0.35	1.67	23.07
65	18.55	0.768	58.5	240.0528	18.0864	19.14	0.293	2.19	22.60	19.14	0.29	2.05	22.69
66	16.07	0.716	-21.0	240.0528	17.7920	19.86	0.390	2.07	23.11	19.86	0.39	3.21	24.39
67	12.34	0.808	-53.2	240.0530	18.0370	20.21	0.326	2.02	23.11	20.20	0.32	2.80	24.16
68	10.81	0.585	-39.7	240.0532	17.4777	18.67	0.182	2.70	22.51	18.66	0.18	2.26	21.82
69	13.87	0.742	14.5	240.0541	18.0088	20.31	0.464	1.80	23.16	20.31	0.46	2.73	24.49
70	13.84	0.479	-76.0	240.0547	17.9559	20.36	0.472	1.73	23.16	20.36	0.47	2.74	24.54
71	14.18	0.898	22.7	240.0548	17.5492	20.05	0.309	1.98	23.91	20.11	0.31	1.19	21.72
72	11.63	0.861	-51.2	240.0553	17.8868	19.33	0.235	1.23	22.52	19.33	0.23	0.62	19.04
73	17.24	0.661	-3.7	240.0553	17.4051	20.13	0.316	2.12	20.87	20.11	0.31	3.71	24.84
74	16.88	0.709	-48.2	240.0559	17.5679	19.30	0.233	1.90	22.97	19.29	0.23	1.81	21.94
75	20.04	0.707	-89.4	240.0563	17.4157	20.11	0.314	2.45	22.92	20.10	0.31	3.62	24.76
76	14.19	0.709	28.3	240.0571	17.4082	20.68	0.387	1.96	23.00	20.82	0.40	1.99	23.94
77	14.77	0.776	45.2	240.0571	17.8267	19.98	0.302	2.24	22.73	19.97	0.30	2.44	23.53
78	15.08	0.518	26.8	240.0572	17.5862	20.17	0.322	2.07	23.42	20.16	0.32	2.84	24.16
79	35.22	0.606	-84.6	240.0573	17.8009	18.53	0.228	3.39	22.92	18.53	0.23	3.92	23.49
80	30.20	0.826	-30.9	240.0574	17.8485	16.35	0.089	2.13	19.94	16.35	0.09	1.92	19.76
81	33.51	0.764	60.6	240.0579	17.7831	17.83	0.170	3.32	22.29	17.83	0.17	3.07	22.26
82	25.34	0.887	77.0	240.0593	18.2211	19.01	0.279	2.95	23.00	19.01	0.28	3.00	23.39
83	11.24	0.710	38.3	240.0601	17.9539	20.28	0.334	1.76	19.58	20.27	0.33	2.60	24.05
84	30.45	0.666	-22.0	240.0607	18.0667	18.34	0.210	2.62	22.21	18.34	0.21	2.21	22.06
85	19.42	0.834	-39.7	240.0616	17.4543	19.30	0.232	2.57	23.52	19.29	0.23	2.19	22.46
86	19.74	0.855	-63.2	240.0619	17.7997	19.72	0.370	2.36	23.12	19.71	0.37	3.26	24.27
87	11.94	0.876	-25.0	240.0627	17.9964	20.54	0.505	1.69	23.09	20.53	0.50	1.60	23.54
88	17.08	0.700	-4.0	240.0637	18.0072	20.37	0.350	2.20	22.92	20.35	0.34	2.50	24.03
89	13.82	0.860	-1.3	240.0644	18.1541	19.87	0.392	1.66	22.52	20.06	0.42	0.79	21.55
90	34.94	0.233	-2.1	240.0655	17.9809	18.81	0.193	2.89	21.36	18.81	0.19	4.75	24.03
91	34.28	0.976	62.8	240.0657	17.4843	18.02	0.143	4.86	21.65	18.02	0.14	5.57	23.56
92	21.56	0.688	49.1	240.0661	18.1125	19.82	0.385	2.36	23.24	19.82	0.38	3.37	24.45
93	10.61	0.664	53.4	240.0670	17.5061	20.72	0.392	1.81	22.33	20.69	0.38	2.67	24.61
94	18.69	0.644	86.4	240.0671	17.5967	20.20	0.330	2.38	19.71	20.17	0.32	3.69	24.89
95	11.06	0.812	87.4	240.0679	17.8656	20.20	0.444	1.69	23.10	20.20	0.44	2.30	24.01
96	30.22	0.449	8.2	240.0726	17.8371	18.49	0.224	2.90	22.69	18.49	0.22	3.22	23.02

97	22.25	0.899	28.2	240.0734	18.2159	19.38	0.323	2.13	22.59	19.38	0.32	1.42	22.15
98	21.58	0.919	21.0	240.0754	17.7834	20.30	0.464	2.30	23.27	20.23	0.45	2.42	24.14
99	11.11	0.865	-54.9	240.0771	17.7194	19.59	0.259	1.75	22.81	19.58	0.26	1.16	21.04
100	15.94	0.845	40.5	240.0779	17.3716	19.02	0.207	1.39	22.76	19.01	0.21	0.87	19.61
101	9.54	0.912	-5.9	240.0782	18.0303	19.34	0.235	1.18	23.09	19.34	0.23	0.97	20.27
102	11.02	0.754	41.8	240.0789	17.9927	19.31	0.232	1.28	23.36	19.31	0.23	1.08	20.55
103	15.33	0.841	-54.2	240.0790	18.1851	20.04	0.418	1.80	22.93	20.05	0.42	1.75	22.75
104	31.73	0.510	5.0	240.0795	18.0004	19.86	0.392	2.47	23.29	19.89	0.39	4.85	25.31
105	18.98	0.887	-27.4	240.0800	18.1233	20.03	0.417	2.12	23.19	20.02	0.41	2.69	24.17
106	11.21	0.675	-76.9	240.0800	17.7808	20.24	0.330	1.86	23.05	20.22	0.32	2.57	23.96
107	29.40	0.523	64.4	240.0802	17.9373	19.41	0.327	2.38	22.86	19.45	0.33	2.08	23.03
108	14.65	0.673	9.8	240.0803	17.9122	20.47	0.493	1.75	23.28	20.47	0.49	2.28	24.26
109	24.39	0.815	-41.9	240.0812	18.0522	19.28	0.310	2.23	22.70	19.46	0.33	1.37	22.14
110	14.13	0.901	55.8	240.0819	17.9213	20.05	0.420	1.72	22.91	20.05	0.42	1.96	23.50
111	14.19	0.874	5.2	240.0825	18.1492	20.56	0.510	1.82	23.31	20.53	0.50	2.77	24.74
112	14.62	0.906	-64.2	240.0826	18.1764	19.79	0.379	1.80	22.83	19.79	0.38	1.68	22.91
113	15.00	0.802	-53.0	240.0832	17.7609	20.43	0.486	1.83	23.43	20.43	0.48	2.81	24.68
114	15.80	0.757	32.3	240.0837	17.7188	20.33	0.467	1.81	23.18	20.33	0.46	1.77	23.56
115	12.19	0.888	13.3	240.0840	18.0284	20.52	0.501	1.64	23.23	20.52	0.50	2.48	24.49
116	14.46	0.893	14.4	240.0842	17.3718	20.10	0.312	2.23	22.57	20.10	0.31	2.35	23.62
117	27.89	0.807	15.6	240.0843	17.5476	18.68	0.184	3.41	22.72	18.68	0.18	3.84	23.29
118	12.74	0.751	78.3	240.0847	17.9924	19.32	0.314	1.13	21.36	19.31	0.31	0.73	20.61
119	17.56	0.846	-64.0	240.0869	18.0785	20.04	0.419	2.07	23.24	20.14	0.43	1.78	23.38
120	18.51	0.787	89.3	240.0874	17.4554	19.59	0.259	2.47	22.16	19.58	0.26	2.50	23.15
121	11.16	0.836	86.0	240.0874	17.8076	19.01	0.277	0.81	20.40	19.07	0.28	0.49	19.53
122	11.95	0.783	-56.0	240.0883	17.8900	19.91	0.292	1.61	22.85	19.90	0.29	1.23	21.58
123	11.41	0.561	87.9	240.0886	17.9616	20.28	0.457	1.17	22.28	20.27	0.45	0.69	21.47
124	14.31	0.912	-31.2	240.0887	17.9051	20.53	0.504	1.79	23.33	20.53	0.50	2.65	24.64
125	10.30	0.878	43.2	240.0890	17.8370	20.29	0.459	1.29	22.50	20.28	0.45	0.84	21.89
126	11.93	0.818	24.0	240.0892	18.0386	20.01	0.303	2.08	22.09	20.00	0.30	2.74	23.88
127	13.69	0.580	44.7	240.0893	17.9317	20.42	0.354	1.96	22.58	20.72	0.39	1.56	23.16
128	13.66	0.855	-85.6	240.0900	17.6218	19.37	0.239	1.81	21.88	19.36	0.24	1.13	20.73
129	19.66	0.856	-67.6	240.0906	17.7375	19.29	0.311	1.78	22.33	19.29	0.31	1.30	21.86

130	16.05	0.874	69.4	240.0917	17.7486	19.94	0.402	1.82	22.93	19.94	0.40	1.48	22.79
131	16.53	0.913	-26.2	240.0929	17.5718	18.77	0.190	1.57	22.99	18.77	0.19	1.11	20.01
132	17.77	0.960	83.3	240.0958	17.8906	19.77	0.376	2.20	23.15	19.86	0.39	1.83	23.17
133	9.95	0.753	-50.6	240.0963	17.9621	21.27	0.658	1.45	23.43	21.33	0.66	1.55	24.27
134	15.05	0.861	-70.0	240.0978	17.5489	19.80	0.282	2.02	21.72	19.79	0.28	1.14	21.24
135	11.96	0.883	-5.1	240.0980	17.8533	20.66	0.528	1.62	23.37	20.66	0.52	2.23	24.40
136	12.51	0.896	-46.3	240.0984	17.9618	20.94	0.585	1.62	23.42	21.08	0.61	1.53	24.00
137	14.05	0.777	-43.5	240.0990	18.0816	20.03	0.416	1.29	22.29	20.03	0.41	0.74	21.36
138	16.20	0.899	-86.0	240.0998	17.7675	19.67	0.361	1.75	22.60	19.74	0.37	1.18	22.10
139	17.03	0.844	-77.4	240.1010	17.8480	19.47	0.334	1.72	22.44	19.47	0.33	1.30	22.04
140	10.65	0.753	-34.4	240.1013	17.9913	20.62	0.519	1.30	22.85	20.70	0.53	0.82	22.26
141	10.91	0.934	-25.2	240.1046	17.9659	20.44	0.485	1.47	23.04	20.44	0.48	1.77	23.68
142	22.43	0.605	22.4	240.1046	18.2115	20.00	0.411	2.10	23.45	19.99	0.41	3.25	24.54
143	10.01	0.871	-69.8	240.1059	17.6676	20.06	0.309	1.88	23.04	20.04	0.30	2.42	23.59
144	16.58	0.602	-32.7	240.1081	17.7404	19.79	0.281	2.20	22.20	19.78	0.28	3.28	24.12
145	15.97	0.691	-10.4	240.1088	18.0477	19.71	0.273	1.98	22.88	19.70	0.27	3.17	23.94
146	16.69	0.776	-6.3	240.1095	17.3592	19.33	0.234	2.31	22.78	19.32	0.23	2.07	22.33
147	12.11	0.884	10.9	240.1096	18.0216	19.24	0.227	1.73	22.14	19.24	0.22	1.60	21.53
148	20.49	0.739	-86.6	240.1100	18.0979	19.00	0.276	1.53	21.82	19.00	0.28	1.20	21.40
149	12.30	0.651	8.3	240.1103	17.7526	19.99	0.302	1.71	20.78	19.96	0.29	1.67	22.47
150	62.95	0.441	-3.0	240.1104	17.7978	17.72	0.162	4.51	22.90	17.72	0.16	7.11	23.98
151	37.40	0.379	1.9	240.1106	18.1199	19.50	0.339	2.50	23.25	19.50	0.34	3.99	24.50
152	10.40	0.816	-67.2	240.1106	17.4864	20.95	0.428	1.87	22.14	20.92	0.42	2.78	24.98
153	17.21	0.830	-86.6	240.1111	17.8939	18.60	0.234	0.85	20.06	18.60	0.23	0.54	19.27
154	51.41	0.622	-40.7	240.1115	18.0356	16.44	0.092	3.74	21.29	16.44	0.09	3.75	21.30
155	12.15	0.649	68.8	240.1116	18.0847	20.72	0.538	1.50	23.34	20.70	0.53	1.91	24.11
156	11.92	0.945	-39.8	240.1117	17.9436	19.00	0.275	0.81	20.41	19.00	0.27	0.53	19.60
157	11.60	0.827	73.3	240.1123	17.7474	20.47	0.362	1.92	22.18	20.42	0.35	2.16	23.71
158	15.88	0.747	-88.7	240.1131	18.1325	19.49	0.337	1.28	21.79	19.76	0.37	0.55	20.46
159	12.34	0.900	-3.6	240.1133	18.0517	19.79	0.378	1.15	21.96	19.79	0.38	0.85	21.42
160	12.68	0.689	-81.6	240.1140	17.8475	19.79	0.280	1.96	22.99	19.77	0.27	1.94	22.69
161	20.02	0.744	-9.8	240.1140	17.7281	19.26	0.307	1.60	22.14	19.26	0.31	1.22	21.68
162	10.93	0.940	-18.5	240.1141	17.7161	20.71	0.536	1.50	23.24	20.71	0.53	1.54	23.64

163	10.01	0.763	25.1	240.1156	17.6728	20.13	0.431	0.98	21.95	20.13	0.43	0.66	21.24
164	17.04	0.888	-52.8	240.1156	17.6599	19.55	0.258	2.55	23.01	19.51	0.25	2.28	22.81
165	8.85	0.963	-18.5	240.1156	18.2260	19.51	0.338	0.80	20.94	19.50	0.34	0.58	20.33
166	72.52	0.309	-74.8	240.1160	18.2638	16.42	0.092	3.06	20.85	16.42	0.09	3.51	21.14
167	10.21	0.902	20.8	240.1162	17.6974	19.16	0.220	1.28	22.90	19.25	0.23	0.71	19.34
168	16.44	0.897	-11.4	240.1171	17.7606	19.53	0.257	2.28	21.89	19.83	0.28	1.24	21.53
169	20.46	0.725	37.2	240.1174	17.7541	19.80	0.380	2.22	23.37	19.80	0.38	3.45	24.48
170	11.34	0.705	22.8	240.1174	18.2545	20.58	0.510	1.38	23.37	20.57	0.51	2.10	24.18
171	9.44	0.845	-14.6	240.1203	18.2571	20.23	0.448	1.12	22.34	20.23	0.45	0.82	21.81
172	10.85	0.775	-62.5	240.1204	18.0144	20.20	0.443	1.09	22.18	20.21	0.44	0.68	21.38
173	85.68	0.941	-10.5	240.1206	17.8830	16.53	0.096	8.67	23.20	16.53	0.10	15.04	24.41
174	28.92	0.816	-25.9	240.1208	18.1185	19.17	0.297	2.90	23.32	19.14	0.29	4.17	24.24
175	15.40	0.847	76.4	240.1209	18.0751	19.95	0.299	2.29	22.85	20.15	0.32	2.57	23.88
176	15.53	0.954	-29.7	240.1222	17.9023	20.17	0.440	1.89	23.31	20.17	0.44	2.49	24.14
177	13.81	0.689	-43.6	240.1229	17.8006	20.09	0.316	1.97	23.09	20.08	0.31	2.02	23.13
178	14.28	0.792	-67.7	240.1232	17.8209	19.86	0.290	2.12	23.19	19.85	0.28	2.69	23.66
179	13.89	0.919	19.3	240.1238	17.5625	20.57	0.509	1.56	23.44	20.56	0.51	1.75	23.77
180	36.39	0.691	54.0	240.1238	17.6375	18.32	0.209	3.10	22.78	18.32	0.21	3.37	22.96
181	11.09	0.696	-25.3	240.1253	17.4368	19.50	0.250	1.40	23.07	19.49	0.25	1.09	20.77
182	18.94	0.874	58.9	240.1255	17.5779	20.14	0.434	1.93	23.57	20.16	0.44	2.76	24.37
183	12.26	0.755	13.3	240.1256	17.8500	20.62	0.386	1.90	22.60	20.55	0.36	1.66	23.14
184	14.36	0.799	-60.5	240.1262	18.0480	19.04	0.211	1.53	22.41	19.04	0.21	0.92	19.79
185	7.49	0.879	1.3	240.1265	18.2769	19.02	0.277	0.66	20.07	19.01	0.28	0.45	19.25
186	17.03	0.932	-20.7	240.1270	17.4843	20.52	0.500	1.52	23.58	20.52	0.50	2.23	24.26
187	16.19	0.773	-73.1	240.1271	17.9669	20.17	0.438	1.79	23.19	20.17	0.44	1.90	23.55
188	18.69	0.596	-0.2	240.1295	17.9809	19.74	0.276	2.34	22.72	19.72	0.27	3.75	24.43
189	15.60	0.884	58.7	240.1300	17.7337	18.73	0.187	1.66	22.45	18.73	0.18	1.04	19.79
190	13.64	0.433	-85.8	240.1301	18.0243	20.33	0.342	1.87	22.72	20.32	0.33	2.93	24.43
191	19.95	0.830	39.2	240.1302	17.6077	19.21	0.227	2.75	22.26	19.20	0.22	3.75	23.83
192	13.53	0.927	46.1	240.1305	17.7369	18.78	0.190	1.51	22.55	18.77	0.19	1.19	20.20
193	12.17	0.902	-74.8	240.1307	17.8352	19.10	0.287	0.92	20.77	19.10	0.29	0.61	20.02
194	21.65	0.779	10.5	240.1307	17.8463	20.11	0.326	2.59	22.80	20.35	0.34	2.56	24.11
195	15.60	0.839	86.5	240.1309	18.0658	20.39	0.355	2.26	22.48	20.37	0.34	3.56	25.02

196	19.55	0.729	-69.5	240.1311	18.1187	20.76	0.414	2.36	22.37	20.67	0.38	1.91	23.66
197	16.24	0.833	-22.4	240.1330	17.7131	20.34	0.350	2.21	23.04	20.63	0.37	2.01	23.75
198	16.22	0.673	13.6	240.1333	17.4758	20.07	0.311	2.12	22.89	20.06	0.30	2.51	23.71
199	12.20	0.746	-2.0	240.1344	17.4542	19.89	0.289	1.87	21.89	20.02	0.30	1.78	22.72
200	11.34	0.633	8.1	240.1345	17.5593	20.59	0.378	1.82	22.39	20.57	0.37	2.83	24.63
201	12.77	0.593	-65.1	240.1346	17.5802	20.60	0.382	1.89	21.96	20.58	0.37	2.42	24.21
202	13.95	0.918	-26.6	240.1353	18.2856	19.50	0.249	2.14	22.82	19.49	0.25	1.76	22.09
203	10.31	0.962	-32.6	240.1359	17.5265	19.96	0.404	0.80	21.37	19.94	0.40	0.57	20.70
204	20.74	0.894	-30.7	240.1361	17.5716	18.13	0.148	2.90	23.08	18.13	0.15	2.45	21.44
205	13.55	0.866	-46.4	240.1366	17.9949	20.02	0.413	1.31	22.33	20.02	0.41	0.87	21.71
206	10.11	0.872	-38.5	240.1367	18.1550	20.08	0.424	1.24	22.40	20.08	0.42	1.01	22.09
207	13.51	0.760	-81.4	240.1396	17.8961	19.65	0.267	1.94	23.10	19.64	0.26	1.73	22.21
208	15.20	0.983	-15.5	240.1397	18.0895	19.94	0.401	2.03	23.35	19.94	0.40	2.58	23.99
209	20.68	0.893	-14.1	240.1413	17.4716	20.55	0.506	1.58	23.61	20.49	0.49	2.21	24.21
210	19.40	0.898	-43.7	240.1426	17.7093	19.26	0.232	2.70	22.74	19.26	0.23	2.57	22.86
211	15.26	0.878	56.1	240.1443	17.6422	19.46	0.249	2.22	21.73	19.44	0.24	2.83	23.33
212	14.23	0.838	72.6	240.1447	17.8069	19.95	0.301	2.22	22.56	19.94	0.29	3.36	24.36
213	9.22	0.914	0.1	240.1449	18.2242	19.57	0.347	0.75	20.80	19.57	0.35	0.48	19.99
214	14.71	0.894	84.4	240.1464	17.6808	19.42	0.245	1.93	22.72	19.41	0.24	1.08	20.66
215	12.97	0.868	89.8	240.1464	17.6808	19.45	0.249	1.76	22.68	19.44	0.24	1.11	20.77
216	19.23	0.855	-78.0	240.1468	17.4573	19.25	0.229	2.66	23.07	19.41	0.24	2.02	22.38
217	14.74	0.824	-1.5	240.1473	17.9386	20.05	0.419	1.57	22.79	20.04	0.41	1.24	22.51
218	10.35	0.884	-3.0	240.1482	17.8267	19.60	0.351	0.96	21.36	19.67	0.36	0.60	20.56
219	13.11	0.780	52.1	240.1505	17.4849	20.08	0.313	2.13	20.51	20.07	0.31	3.13	24.33
220	11.00	0.629	-28.0	240.1511	17.9446	20.50	0.366	1.80	22.70	20.49	0.36	2.06	23.66
221	13.51	0.961	64.2	240.1516	18.1630	18.69	0.243	0.84	20.20	18.69	0.24	0.57	19.48
222	49.21	0.749	6.7	240.1528	17.8217	17.78	0.166	4.74	23.11	17.78	0.17	6.27	23.76
223	23.29	0.595	-20.6	240.1546	17.8887	19.87	0.391	1.98	23.08	19.87	0.39	1.98	23.35
224	11.83	0.973	57.4	240.1551	17.7257	20.21	0.444	1.45	22.74	20.20	0.44	1.11	22.43
225	15.04	0.828	-17.2	240.1571	17.3927	20.24	0.332	2.20	23.69	20.36	0.34	1.67	22.95
226	9.49	0.770	31.7	240.1579	17.8482	19.16	0.218	2.08	22.80	19.14	0.22	2.85	23.00
227	17.46	0.847	56.3	240.1586	17.6493	19.46	0.250	2.48	21.95	19.45	0.24	3.09	23.59
228	9.66	0.970	84.9	240.1602	18.1666	20.54	0.503	1.43	23.17	20.54	0.50	2.03	24.08

229	13.99	0.741	-19.6	240.1607	17.6794	19.18	0.223	1.57	22.57	19.17	0.22	0.84	19.71
230	11.55	0.871	-65.4	240.1611	17.3985	20.14	0.319	2.05	22.95	20.13	0.31	2.63	23.92
231	14.92	0.886	77.2	240.1611	18.0099	19.99	0.308	2.46	16.58	19.96	0.29	3.73	24.68
232	21.62	0.440	-81.0	240.1612	18.1377	20.26	0.338	2.30	22.66	20.47	0.35	2.70	24.38
233	15.02	0.674	5.5	240.1631	17.4299	19.11	0.216	1.43	23.47	19.32	0.23	0.70	19.37
234	15.41	0.744	13.7	240.1644	18.2270	20.58	0.512	1.58	23.31	20.61	0.51	1.44	23.39
235	12.34	0.831	22.8	240.1650	17.7287	20.14	0.433	1.05	21.89	20.04	0.41	0.62	21.00
236	19.74	0.828	-19.1	240.1654	18.1942	19.13	0.218	2.48	22.40	19.12	0.22	3.34	23.42
237	13.23	0.764	-3.4	240.1655	17.7347	19.31	0.234	1.83	21.22	19.30	0.23	1.58	21.58
238	15.69	0.689	35.4	240.1677	17.7603	19.82	0.287	2.24	22.75	19.83	0.28	3.44	24.31
239	12.53	0.805	7.7	240.1690	18.1422	19.93	0.400	1.40	22.43	19.93	0.40	1.10	22.13
240	14.97	0.877	-26.7	240.1692	17.9240	20.36	0.472	1.84	23.39	20.36	0.47	2.90	24.67
241	16.78	0.929	-61.2	240.1692	18.0462	19.86	0.389	1.85	22.91	19.86	0.39	1.57	22.82
242	19.18	0.850	69.0	240.1694	17.8352	19.46	0.333	1.87	22.57	19.58	0.35	1.30	22.14
243	18.00	0.742	25.6	240.1695	18.1505	19.74	0.371	1.85	22.76	19.82	0.38	1.39	22.53
244	10.81	0.844	7.0	240.1704	18.1569	20.48	0.493	1.36	22.96	20.48	0.49	1.29	23.03
245	21.72	0.748	71.8	240.1708	18.0225	17.28	0.133	1.21	19.66	17.28	0.13	0.99	19.25
246	27.16	0.646	72.8	240.1708	18.0225	17.27	0.133	1.24	19.68	17.27	0.13	1.00	19.26
247	15.01	0.856	82.5	240.1711	18.0694	20.29	0.460	1.84	23.34	20.30	0.46	2.67	24.43
248	11.10	0.893	-25.6	240.1718	17.9272	19.89	0.393	1.09	21.89	19.96	0.40	0.65	21.01
249	10.26	0.901	49.3	240.1720	17.7030	19.68	0.362	0.90	21.28	19.74	0.37	0.56	20.46
250	14.92	0.809	-11.9	240.1723	18.3000	20.59	0.512	1.49	23.48	20.59	0.51	2.23	24.32
251	35.84	0.732	-55.6	240.1727	18.1262	17.83	0.170	3.27	22.33	17.83	0.17	3.17	22.33
252	16.87	0.809	15.7	240.1727	17.7417	20.21	0.446	1.97	23.41	20.21	0.44	2.94	24.54
253	22.22	0.659	4.6	240.1740	17.3787	19.13	0.218	2.52	22.90	19.12	0.21	1.99	22.00
254	20.59	0.671	-10.1	240.1740	17.8167	19.81	0.382	2.14	23.16	19.81	0.38	2.75	24.00
255	21.64	0.721	-32.1	240.1743	17.4263	19.91	0.397	1.82	23.60	19.91	0.39	3.15	24.39
256	15.72	0.902	45.1	240.1752	17.7320	18.92	0.203	1.92	22.27	18.89	0.20	1.37	20.73
257	14.70	0.823	-51.1	240.1756	17.8227	19.15	0.221	1.66	22.16	19.21	0.22	0.75	19.44
258	10.11	0.963	33.8	240.1757	17.3899	20.26	0.332	1.95	22.91	20.25	0.33	2.90	24.32
259	19.14	0.767	71.2	240.1758	17.7151	19.53	0.343	1.77	22.57	19.67	0.36	1.26	22.17
260	10.62	0.857	71.2	240.1763	17.7726	20.18	0.440	1.30	22.44	20.21	0.44	0.79	21.68
261	13.98	0.819	80.3	240.1770	17.4071	19.87	0.288	2.01	21.86	19.97	0.29	1.29	21.78

262	11.75	0.937	-33.7	240.1776	18.0934	20.54	0.505	1.55	23.18	20.54	0.50	1.45	23.34
263	32.31	0.870	-29.1	240.1788	18.0708	17.90	0.174	3.53	22.53	17.89	0.17	3.35	22.51
264	15.86	0.879	82.6	240.1791	18.0955	19.94	0.402	1.49	22.47	19.91	0.39	1.04	21.98
265	17.12	0.918	-24.1	240.1803	18.2054	19.73	0.276	2.56	22.36	19.71	0.27	3.64	24.33
266	12.73	0.859	77.2	240.1806	17.3576	19.69	0.269	2.21	21.70	19.65	0.26	2.45	23.17
267	12.41	0.621	82.7	240.1806	18.1361	20.85	0.417	1.85	22.35	20.83	0.40	2.52	24.60
268	14.21	0.923	-67.6	240.1807	18.1449	19.18	0.223	1.78	21.96	19.18	0.22	0.97	20.09
269	15.50	0.667	64.1	240.1811	17.6951	19.07	0.214	1.52	21.97	19.32	0.23	0.72	19.46
270	10.82	0.772	42.7	240.1823	17.7464	20.54	0.504	1.57	23.32	20.54	0.50	2.59	24.60
271	16.94	0.931	28.0	240.1835	17.6963	19.95	0.404	1.65	22.72	19.95	0.40	1.23	22.39
272	19.20	0.451	-42.8	240.1850	17.4857	20.08	0.423	1.61	23.20	20.08	0.42	1.92	23.49
273	16.25	0.951	-44.6	240.1857	17.7560	19.66	0.360	2.01	22.91	19.66	0.36	2.04	23.21
274	12.01	0.715	-77.3	240.1865	18.2011	20.67	0.386	1.88	22.87	20.65	0.38	2.80	24.68
275	14.48	0.894	-55.8	240.1866	17.5349	20.52	0.501	1.52	23.29	20.62	0.52	1.41	23.36
276	13.42	0.564	59.9	240.1868	17.3106	19.99	0.300	1.95	21.53	19.97	0.30	2.96	24.07
277	11.09	0.823	-7.4	240.1869	17.4539	20.00	0.302	2.00	23.39	19.99	0.30	2.92	24.05
278	14.60	0.670	13.9	240.1877	17.7040	19.86	0.292	2.17	22.66	19.82	0.28	3.39	24.25
279	21.17	0.625	-35.5	240.1881	17.6998	19.41	0.247	2.57	23.61	19.40	0.24	4.07	24.28
280	19.44	0.829	41.4	240.1886	18.0731	18.33	0.160	1.86	23.13	18.33	0.16	1.21	19.73
281	27.15	0.636	26.5	240.1894	18.1563	19.90	0.397	2.34	23.35	19.90	0.39	3.42	24.56
282	12.64	0.762	52.0	240.1908	17.5461	19.49	0.335	0.81	20.97	19.49	0.33	0.57	20.27
283	18.78	0.956	78.4	240.1916	17.6966	19.11	0.220	2.75	22.50	19.10	0.21	3.83	23.77
284	18.42	0.689	58.8	240.1935	17.5751	19.08	0.216	2.17	23.43	19.08	0.21	1.57	21.30
285	18.67	0.754	84.5	240.1956	17.9159	20.04	0.418	2.00	23.26	20.04	0.41	3.17	24.54
286	18.83	0.846	-82.1	240.1957	18.1162	19.38	0.322	1.65	22.20	19.37	0.32	1.24	21.83
287	13.80	0.583	-1.5	240.1965	17.6299	19.68	0.270	2.02	23.24	19.67	0.26	2.66	23.42
288	19.65	0.714	-11.8	240.1966	18.1688	19.22	0.227	2.11	22.75	19.21	0.22	1.20	20.72
289	60.97	0.825	40.4	240.1967	18.0784	15.70	0.067	6.03	21.59	15.70	0.07	6.37	21.72
290	11.73	0.818	-0.2	240.1979	18.2306	19.93	0.399	0.93	21.64	20.01	0.41	0.58	20.82
291	9.30	0.708	6.7	240.1979	17.7530	17.33	0.108	1.23	22.56	17.35	0.11	0.84	17.62
292	19.19	0.690	23.6	240.1981	17.7033	19.35	0.240	2.57	23.50	19.34	0.23	3.83	24.04
293	15.02	0.854	62.1	240.1985	17.6377	19.90	0.298	2.15	21.20	19.88	0.29	3.17	24.14
294	15.31	0.711	-14.7	240.1991	17.9573	20.12	0.431	1.66	22.86	20.45	0.48	0.87	22.14

21.08	0.85	0.34	20.35	22.68	2.22	0.324	20.10	17.6280	240.1992	-60.3	0.856	16.64	295
24.49	2.87	0.35	20.42	22.87	1.91	0.370	20.49	17.8669	240.1993	43.0	0.654	12.69	296
24.14	2.07	0.41	20.90	22.99	1.88	0.396	20.68	17.7427	240.1995	75.9	0.689	12.21	297
24.76	2.30	0.46	21.19	23.37	1.80	0.475	21.21	17.4683	240.1997	-51.4	0.857	9.67	298
24.42	2.99	0.33	20.26	20.94	2.05	0.340	20.28	18.0097	240.2002	9.8	0.781	13.25	299
24.81	3.65	0.31	20.13	22.68	2.27	0.321	20.14	18.2233	240.2004	6.8	0.619	17.68	300
24.38	2.75	0.35	20.43	22.97	2.00	0.377	20.53	17.8849	240.2017	85.4	0.825	14.37	301
21.38	0.79	0.39	19.90	22.13	1.23	0.396	19.90	18.2038	240.2035	0.8	0.942	11.81	302
23.06	1.65	0.40	19.98	23.08	2.09	0.397	19.91	18.1387	240.2036	31.9	0.919	18.39	303
24.23	3.75	0.32	19.37	23.04	2.56	0.321	19.37	17.8900	240.2039	4.1	0.871	23.72	304
22.24	1.37	0.34	19.56	22.58	1.83	0.346	19.56	18.1189	240.2045	-61.1	0.787	19.53	305
20.61	0.62	0.36	19.64	21.29	0.91	0.359	19.66	18.0785	240.2052	-83.2	0.817	8.26	306
22.49	2.24	0.23	19.26	23.20	2.46	0.232	19.27	17.9796	240.2054	-28.0	0.846	16.51	307
18.95	0.74	0.19	18.82	22.57	1.28	0.190	18.77	17.5776	240.2057	17.9	0.953	11.13	308
24.01	2.77	0.38	19.80	23.11	2.21	0.381	19.80	17.7557	240.2060	-58.3	0.716	20.93	309
22.74	5.44	0.12	17.07	22.48	4.98	0.122	17.07	18.0506	240.2065	-11.3	0.632	52.39	310
23.27	2.27	0.29	19.92	22.83	1.97	0.296	19.93	17.5484	240.2066	-4.4	0.726	11.12	311
24.32	2.68	0.44	20.19	23.05	1.67	0.462	20.30	18.0859	240.2069	22.1	0.898	13.97	312
23.89	2.06	0.46	20.33	23.10	1.73	0.467	20.33	17.7432	240.2073	-68.9	0.972	12.82	313
24.44	2.30	0.52	20.64	23.29	1.94	0.526	20.64	17.9023	240.2074	36.1	0.769	17.43	314
22.67	2.14	0.25	19.54	22.71	1.93	0.256	19.55	18.0493	240.2077	-57.4	0.836	12.29	315
22.37	1.29	0.35	20.47	23.41	1.79	0.365	20.50	17.3170	240.2079	82.9	0.727	11.72	316
21.23	1.26	0.25	19.53	18.36	2.47	0.222	19.15	17.5937	240.2081	82.5	0.892	18.16	317
20.60	1.14	0.22	19.22	23.41	1.77	0.228	19.23	17.9546	240.2083	-75.8	0.823	13.10	318
19.44	0.86	0.20	18.90	23.13	1.41	0.204	18.95	17.9079	240.2107	-11.3	0.938	12.13	319
23.54	2.30	0.37	19.74	23.08	2.03	0.371	19.74	18.0976	240.2123	17.1	0.806	16.95	320
21.52	1.18	0.30	19.17	22.50	2.40	0.286	19.08	18.0249	240.2124	28.9	0.853	32.83	321
21.79	1.41	0.28	19.05	22.22	1.89	0.283	19.06	18.0249	240.2125	27.8	0.870	18.69	322
20.37	0.66	0.31	19.27	20.87	0.83	0.307	19.27	17.5703	240.2134	59.5	0.881	13.03	323
22.63	1.56	0.36	19.67	22.82	2.03	0.353	19.61	18.0730	240.2136	4.8	0.608	26.62	324
22.89	1.96	0.33	19.44	22.80	2.00	0.330	19.44	18.0730	240.2136	56.6	0.867	16.02	325
22.86	2.31	0.25	19.51	22.96	2.34	0.254	19.52	17.5669	240.2140	87.9	0.823	14.20	326
24.21	2.14	0.51	20.56	23.27	1.56	0.514	20.59	18.0932	240.2147	53.5	0.759	10.99	327

328	12.71	0.578	20.9	240.2154	17.4202	21.19	0.472	1.85	22.84	21.25	0.46	1.81	24.17
329	11.07	0.698	24.9	240.2159	18.1328	19.71	0.367	0.96	21.42	19.82	0.38	0.53	20.45
330	19.87	0.776	32.6	240.2160	17.2999	19.59	0.261	2.61	22.65	19.58	0.26	3.99	24.44
331	11.71	0.738	9.3	240.2163	18.2325	20.37	0.347	1.92	22.57	20.36	0.34	2.62	24.16
332	14.96	0.955	-85.0	240.2165	17.4176	20.49	0.495	1.51	23.52	20.49	0.49	2.08	24.08
333	16.46	0.592	-71.3	240.2167	18.2037	20.26	0.336	2.08	21.19	20.36	0.34	1.62	22.86
334	57.60	0.637	-23.0	240.2179	17.5457	15.41	0.058	3.25	19.98	15.41	0.06	3.14	19.89
335	12.11	0.784	-15.6	240.2186	17.7453	20.31	0.464	1.82	23.26	20.31	0.46	2.35	24.16
336	40.56	0.526	65.5	240.2197	18.1058	17.99	0.182	2.85	22.15	17.99	0.18	2.67	22.11
337	19.26	0.690	-28.5	240.2206	18.2852	20.62	0.520	1.61	23.32	20.61	0.51	3.40	25.26
338	9.78	0.911	-16.2	240.2206	17.8069	20.15	0.324	1.85	22.88	20.13	0.31	1.88	23.01
339	14.57	0.951	-5.3	240.2213	17.8545	18.86	0.198	1.74	22.48	18.93	0.20	0.84	19.42
340	11.20	0.601	-68.7	240.2216	18.2370	20.51	0.365	1.79	22.99	20.50	0.36	2.32	23.99
341	13.54	0.701	-5.1	240.2229	17.4198	20.31	0.341	2.04	22.91	20.24	0.33	2.74	24.16
342	27.15	0.656	89.9	240.2233	18.0972	19.13	0.292	2.47	22.87	19.13	0.29	2.60	23.19
343	9.98	0.908	-16.8	240.2256	18.0190	20.55	0.506	1.61	23.11	20.55	0.50	1.39	23.26
344	11.89	0.831	13.7	240.2266	18.0510	20.44	0.362	1.96	23.19	20.46	0.35	1.84	23.32
345	14.38	0.934	51.0	240.2272	18.1094	20.34	0.469	1.78	23.13	20.34	0.47	1.57	23.31
346	15.27	0.978	-21.8	240.2279	17.8399	19.64	0.357	2.16	22.91	19.63	0.35	2.00	23.14
347	19.87	0.780	-48.6	240.2280	17.7755	19.32	0.239	2.65	23.23	19.31	0.23	4.53	24.47
348	21.07	0.806	-14.7	240.2283	18.2036	19.71	0.276	2.75	22.79	19.80	0.28	2.58	23.50
349	13.26	0.857	17.8	240.2285	17.8718	18.99	0.208	1.49	23.00	19.09	0.21	0.75	19.30
350	19.77	0.875	78.0	240.2293	18.1225	19.22	0.302	1.87	22.30	19.29	0.31	1.37	21.96
351	14.94	0.801	62.7	240.2295	18.0198	20.09	0.426	1.98	23.20	20.09	0.42	2.54	24.11
352	17.63	0.956	-31.4	240.2311	17.3062	19.68	0.270	2.48	22.58	19.67	0.26	1.88	22.47
353	10.53	0.772	-65.8	240.2318	17.7760	20.18	0.329	1.83	23.15	20.17	0.32	2.39	23.70
354	18.52	0.878	49.9	240.2328	18.3871	20.22	0.446	1.49	23.47	20.20	0.44	2.13	23.84
355	17.61	0.759	87.0	240.2340	18.1245	20.17	0.440	1.93	23.18	20.16	0.44	1.91	23.56
356	12.33	0.876	-69.2	240.2347	17.5535	19.44	0.330	0.91	21.15	19.44	0.33	0.66	20.54
357	12.34	0.867	-15.5	240.2356	18.1329	19.21	0.224	1.62	22.31	19.20	0.22	1.24	20.79
358	11.30	0.898	-70.3	240.2363	17.7481	19.49	0.251	2.00	23.07	19.48	0.25	1.60	21.83
359	15.15	0.797	68.2	240.2368	18.1272	18.82	0.194	1.69	23.16	18.82	0.19	1.03	19.85
360	20.40	0.703	-56.9	240.2379	17.9195	19.41	0.327	2.16	22.73	19.41	0.33	1.93	22.84

361	22.58	0.711	8.4	240.2387	17.9307	18.85	0.198	2.66	21.94	18.84	0.19	3.06	22.85
362	29.52	0.581	-57.0	240.2413	17.6574	18.60	0.234	2.46	22.43	18.60	0.23	3.04	23.01
363	15.07	0.733	10.0	240.2423	17.6794	18.95	0.206	2.56	23.49	18.94	0.20	2.74	22.67
364	13.38	0.864	-61.5	240.2438	17.7621	19.33	0.237	2.04	21.92	19.38	0.24	1.30	21.12
365	15.29	0.944	-47.6	240.2445	18.0528	19.37	0.240	2.18	23.19	19.36	0.24	1.52	21.53
366	16.93	0.837	59.2	240.2446	17.6129	19.61	0.267	2.41	23.59	19.60	0.26	3.07	23.74
367	13.48	0.913	-3.0	240.2446	18.0861	19.34	0.237	1.81	23.13	19.33	0.23	1.02	20.39
368	11.98	0.941	-68.0	240.2447	17.9662	18.86	0.196	1.28	22.74	18.85	0.19	0.86	19.40
369	9.63	0.798	-33.9	240.2450	18.0386	20.58	0.512	1.50	22.96	20.72	0.54	1.24	23.18
370	13.82	0.924	47.1	240.2450	18.0972	20.17	0.439	1.82	23.15	20.17	0.44	2.57	24.21
371	16.65	0.507	21.2	240.2453	17.8589	20.13	0.433	1.83	22.95	20.13	0.43	2.92	24.45
372	12.88	0.955	-82.1	240.2471	17.5394	19.03	0.210	1.59	23.01	19.06	0.21	1.04	20.17
373	17.48	0.853	-85.6	240.2473	17.6178	20.17	0.439	1.96	23.37	20.17	0.44	2.54	24.19
374	20.36	0.461	21.2	240.2484	17.7506	18.85	0.260	2.43	22.58	18.85	0.26	2.84	23.10
375	11.41	0.933	-22.4	240.2486	18.1673	20.18	0.440	1.40	22.52	20.18	0.44	0.90	21.93
376	11.21	0.415	52.3	240.2490	17.7498	19.62	0.354	1.71	22.48	19.62	0.35	2.34	23.45
377	61.15	0.349	-19.2	240.2499	18.3061	17.26	0.132	3.64	22.05	17.26	0.13	4.25	22.40
378	13.57	0.781	-19.8	240.2508	18.0609	20.18	0.328	2.14	22.85	20.24	0.33	2.20	23.55
379	12.88	0.782	-39.9	240.2526	17.6242	18.97	0.208	1.36	22.64	18.96	0.20	0.91	19.68
380	51.34	0.455	-27.2	240.2530	18.1546	16.37	0.090	3.81	21.25	16.37	0.09	4.21	21.49
381	12.21	0.789	-54.1	240.2533	17.3533	20.21	0.326	2.02	22.47	20.20	0.32	2.95	24.31
382	10.20	0.847	-63.1	240.2546	17.6292	20.46	0.490	1.30	22.85	20.50	0.49	1.07	22.64
383	14.20	0.827	-80.6	240.2546	17.6915	19.64	0.269	2.30	22.02	19.63	0.26	3.19	23.87
384	25.44	0.920	-62.6	240.2551	18.3361	19.30	0.312	2.68	23.43	19.31	0.31	3.01	23.70
385	18.99	0.642	15.0	240.2567	18.1962	20.14	0.434	1.92	23.29	20.14	0.43	3.09	24.58
386	11.92	0.936	19.2	240.2578	18.3298	20.67	0.527	1.27	23.00	20.60	0.51	1.08	22.77
387	21.72	0.737	-28.1	240.2595	18.0128	19.12	0.290	2.21	22.53	19.12	0.29	1.82	22.42
388	13.34	0.911	-10.6	240.2596	18.0385	20.20	0.332	2.17	22.39	20.21	0.32	2.16	23.48
389	18.76	0.831	64.0	240.2597	17.3266	19.64	0.269	2.62	23.50	19.59	0.26	2.90	23.57
390	17.59	0.704	-12.5	240.2612	17.8299	19.71	0.280	2.23	22.84	19.70	0.27	2.28	23.03
391	13.45	0.947	-16.3	240.2616	17.7593	19.07	0.215	1.83	22.60	19.07	0.21	1.11	20.35
392	14.86	0.744	-88.0	240.2627	17.3532	20.34	0.345	2.15	23.27	20.45	0.35	2.98	24.63
393	23.39	0.842	25.9	240.2627	17.4677	19.20	0.299	2.22	22.80	19.17	0.30	2.01	22.68

394	19.95	0.844	28.8	240.2637	17.7089	19.16	0.225	2.51	22.67	19.15	0.22	2.00	22.05
395	19.43	0.911	-85.4	240.2638	17.8495	19.39	0.325	2.29	22.68	19.71	0.37	1.18	22.06
396	17.30	0.864	21.6	240.2645	18.1283	19.54	0.257	2.50	22.28	19.53	0.25	3.25	23.82
397	16.56	0.703	-9.3	240.2646	17.5820	19.78	0.283	2.34	22.82	19.77	0.27	2.68	23.56
398	14.62	0.889	-37.5	240.2649	17.8990	19.91	0.398	2.04	23.01	19.90	0.39	2.15	23.56
399	8.63	0.938	69.0	240.2650	17.4143	19.66	0.359	0.76	21.03	19.66	0.36	0.55	20.35
400	25.26	0.553	74.0	240.2652	17.8683	19.83	0.388	2.27	22.88	19.83	0.38	2.60	23.90
401	17.88	0.806	17.3	240.2655	17.6351	20.09	0.426	1.88	23.22	20.02	0.41	2.51	24.01
402	14.02	0.930	10.4	240.2669	18.1799	20.05	0.420	1.51	22.61	20.09	0.42	0.95	21.97
403	22.42	0.855	82.0	240.2682	17.6922	17.21	0.129	1.54	20.10	17.21	0.13	1.28	19.74
404	27.94	0.714	37.7	240.2684	17.7419	18.99	0.213	3.18	20.99	18.98	0.20	4.27	23.93
405	12.13	0.825	17.1	240.2685	18.0978	19.71	0.367	1.02	21.44	19.73	0.37	0.56	20.46
406	15.36	0.786	-74.0	240.2697	17.7843	19.77	0.284	2.19	22.76	19.75	0.27	3.16	23.98
407	19.76	0.638	45.9	240.2702	17.7184	19.67	0.274	2.38	21.66	19.77	0.28	2.39	23.25
408	14.47	0.883	39.4	240.2702	17.9915	19.96	0.406	1.82	22.81	19.96	0.40	1.49	22.81
409	11.48	0.842	-30.4	240.2711	17.6465	20.28	0.342	1.93	22.73	20.26	0.33	2.65	24.09
410	13.15	0.874	-33.4	240.2719	18.1475	20.58	0.513	1.63	23.16	20.58	0.51	1.78	23.82
411	18.55	0.845	14.8	240.2720	18.2280	20.14	0.434	1.95	23.27	20.21	0.44	1.88	23.58
412	14.47	0.962	6.3	240.2726	17.8820	20.46	0.493	1.68	22.57	20.33	0.46	0.64	21.37
413	11.71	0.785	68.5	240.2742	18.2364	20.62	0.519	1.54	23.49	20.62	0.52	2.54	24.64
414	17.45	0.717	64.8	240.2748	17.7252	18.69	0.243	1.13	20.76	18.74	0.25	0.67	19.85
415	18.24	0.453	-25.3	240.2753	17.7032	19.31	0.241	2.92	22.70	19.68	0.27	1.96	22.60
416	13.74	0.798	-80.4	240.2754	17.4705	20.48	0.493	1.27	22.77	20.48	0.49	0.95	22.37
417	16.01	0.829	40.1	240.2757	17.5666	20.88	0.573	1.68	23.45	20.88	0.57	2.50	24.86
418	17.41	0.868	-71.1	240.2758	18.0872	20.68	0.535	1.89	23.30	20.68	0.53	3.53	25.42
419	30.82	0.682	71.2	240.2769	17.9010	18.05	0.186	1.32	20.47	18.05	0.19	4.82	23.46
420	11.27	0.688	-10.2	240.2776	17.7002	20.50	0.498	1.55	23.06	20.48	0.49	1.71	23.64
421	22.81	0.868	59.3	240.2788	18.2821	19.66	0.360	1.12	21.62	19.69	0.36	0.60	20.59
422	11.99	0.901	72.2	240.2791	17.5133	19.58	0.260	2.10	23.57	19.57	0.25	2.78	23.43
423	22.00	0.824	50.6	240.2792	17.8708	18.91	0.204	2.97	20.33	18.90	0.20	4.09	23.72
424	19.05	0.761	74.7	240.2811	17.6287	19.55	0.346	2.21	22.98	19.55	0.34	2.15	23.21
425	11.94	0.760	-20.2	240.2823	17.5417	19.50	0.252	1.63	23.36	19.61	0.26	0.69	19.68
426	11.91	0.923	79.1	240.2824	17.8633	18.83	0.257	1.02	20.60	18.83	0.26	0.61	19.76

427	25.44	0.867	-62.7	240.2829	17.9453	17.97	0.179	2.06	21.38	17.98	0.18	1.58	20.96
428	14.73	0.888	88.8	240.2842	17.7461	19.38	0.323	1.57	22.00	19.38	0.32	0.91	21.17
429	20.24	0.889	-44.4	240.2861	18.0447	19.60	0.352	2.38	23.08	19.59	0.35	2.67	23.72
430	16.70	0.946	-76.4	240.2870	17.5194	18.56	0.176	1.73	23.08	18.56	0.17	1.09	19.70
431	10.10	0.767	19.0	240.2880	18.1988	19.70	0.364	0.95	21.45	19.70	0.36	0.66	20.78
432	12.52	0.948	-85.7	240.2884	17.6776	18.82	0.256	0.91	20.43	18.84	0.26	0.56	19.58
433	11.06	0.956	65.2	240.2884	18.1642	19.25	0.228	1.37	22.57	19.28	0.23	0.70	19.34
434	14.23	0.902	56.6	240.2896	17.8612	19.51	0.340	1.71	22.25	19.51	0.34	1.13	21.78
435	22.01	0.932	63.4	240.2898	17.7604	17.32	0.136	1.66	20.32	17.32	0.14	1.28	19.85
436	26.60	0.629	74.9	240.2913	18.0673	19.20	0.300	2.37	22.76	19.20	0.30	2.33	23.03
437	17.75	0.861	54.5	240.2915	17.7763	18.87	0.202	2.71	22.54	18.86	0.20	3.70	23.40
438	18.51	0.808	23.5	240.2926	17.6097	19.24	0.231	2.42	23.78	19.23	0.22	1.90	22.00
439	11.06	0.798	72.1	240.2926	17.6802	20.16	0.327	1.93	22.56	20.15	0.32	2.51	23.81
440	16.11	0.784	-3.5	240.2927	18.2505	19.77	0.278	2.38	23.04	19.75	0.27	3.19	24.01
441	17.11	0.826	29.7	240.2945	17.5459	19.64	0.268	2.47	22.75	19.60	0.26	2.47	23.15
442	14.23	0.922	-55.9	240.2950	17.9745	20.09	0.427	1.86	22.95	20.09	0.42	1.59	23.10
443	23.25	0.800	-7.1	240.2962	17.6764	19.44	0.330	2.53	23.11	19.44	0.33	2.80	23.67
444	11.76	0.852	20.9	240.2963	17.3870	19.48	0.248	1.61	22.19	19.47	0.25	0.98	20.47
445	15.14	0.779	41.0	240.2969	17.9895	18.74	0.188	1.92	22.55	18.74	0.19	1.23	20.25
446	16.88	0.952	42.5	240.2971	17.4815	20.49	0.495	1.69	23.49	20.49	0.49	1.99	23.98
447	11.62	0.908	69.1	240.2976	17.4601	19.61	0.351	0.81	21.08	19.60	0.35	0.60	20.48
448	20.60	0.646	-81.3	240.2983	17.6457	19.85	0.389	2.00	23.04	19.91	0.39	2.30	23.71
449	10.91	0.863	-71.7	240.2984	17.6394	18.90	0.264	0.78	20.20	18.95	0.27	0.48	19.35
450	9.97	0.881	-54.0	240.2987	18.3009	19.88	0.391	0.85	21.44	19.88	0.39	0.60	20.78
451	10.61	0.756	13.6	240.3002	17.9385	18.88	0.198	1.41	21.74	18.88	0.20	0.97	19.76
452	11.63	0.672	15.3	240.3013	18.0058	20.35	0.349	1.88	22.04	20.30	0.33	2.77	24.26
453	19.29	0.768	-19.7	240.3015	17.7135	19.59	0.351	2.30	23.00	19.59	0.35	2.33	23.42
454	15.07	0.988	-20.7	240.3019	18.0319	19.86	0.391	1.98	22.92	19.86	0.39	1.61	22.89
455	16.52	0.915	-62.9	240.3019	18.3153	20.47	0.491	1.74	23.56	20.47	0.49	2.26	24.24
456	13.28	0.676	-68.6	240.3020	17.8510	19.92	0.401	1.90	22.88	19.92	0.40	1.82	23.22
457	29.48	0.969	75.6	240.3034	17.4106	19.69	0.366	2.34	23.35	19.77	0.37	2.77	23.98
458	15.08	0.693	51.8	240.3045	17.7241	20.24	0.452	1.81	22.99	20.24	0.45	1.74	23.43
459	16.05	0.956	69.0	240.3051	17.9315	18.65	0.183	1.81	22.05	18.65	0.18	1.08	19.78

460	9.95	0.894	-87.6	240.3055	18.1403	19.89	0.290	1.86	20.65	19.88	0.29	1.74	22.50
461	15.01	0.870	89.7	240.3065	17.6542	18.98	0.207	1.92	22.60	18.97	0.20	1.07	20.14
462	15.34	0.822	80.5	240.3070	17.5357	19.66	0.270	2.35	22.68	19.65	0.26	2.22	22.91
463	19.82	0.925	-64.7	240.3085	17.7502	19.00	0.277	2.41	22.58	19.00	0.28	2.05	22.56
464	14.47	0.967	34.8	240.3087	18.2882	19.62	0.262	2.34	23.28	19.62	0.26	1.95	22.53
465	16.26	0.788	-13.9	240.3089	17.9758	19.88	0.393	1.83	22.83	19.88	0.39	1.86	23.22
466	19.45	0.922	-22.6	240.3090	18.0338	19.68	0.364	2.37	23.18	19.68	0.36	3.31	24.27
467	24.19	0.645	-29.2	240.3093	17.8654	18.57	0.231	2.74	22.50	18.57	0.23	2.80	22.79
468	22.36	0.940	-8.4	240.3096	17.3184	17.56	0.118	1.32	23.04	17.56	0.12	0.94	18.16
469	16.90	0.892	74.0	240.3097	18.0118	19.39	0.245	2.56	21.34	19.38	0.24	2.48	22.90
470	24.54	0.697	-27.1	240.3099	17.8670	18.57	0.232	2.80	22.52	18.56	0.23	3.15	23.05
471	15.32	0.904	28.2	240.3102	17.5763	19.64	0.269	2.36	22.52	19.63	0.26	2.33	23.01
472	24.62	0.721	-19.9	240.3113	17.7818	18.69	0.245	3.02	22.84	18.69	0.24	4.00	23.70
473	12.69	0.817	-65.9	240.3118	17.9301	20.23	0.450	1.48	22.56	20.33	0.46	0.67	21.45
474	20.54	0.854	30.9	240.3136	18.1067	19.84	0.387	2.25	23.15	19.83	0.38	2.78	24.05
475	14.32	0.932	-25.6	240.3139	17.6873	18.71	0.189	1.65	23.25	18.70	0.18	1.01	19.66
476	20.49	0.596	76.5	240.3155	17.7922	18.84	0.260	2.37	22.37	18.84	0.26	2.59	22.90
477	9.37	0.880	-24.6	240.3155	17.9710	20.29	0.459	1.58	22.95	20.29	0.46	1.47	23.12
478	10.88	0.794	56.3	240.3165	18.0897	20.39	0.477	1.28	22.58	20.59	0.51	0.64	21.60
479	9.69	0.867	22.6	240.3179	18.0953	20.38	0.475	1.27	22.54	20.69	0.53	0.54	21.35
480	23.28	0.914	21.2	240.3179	18.0760	18.30	0.159	3.03	23.16	18.29	0.16	2.38	21.55
481	9.93	0.921	57.9	240.3180	17.6267	19.37	0.240	1.47	22.58	19.35	0.23	1.23	20.95
482	15.10	0.799	-32.6	240.3180	17.3751	19.08	0.214	1.68	21.71	19.15	0.22	1.05	20.29
483	61.53	0.886	-24.4	240.3181	17.6781	15.02	0.049	5.43	20.68	15.02	0.05	5.81	20.84
484	14.60	0.865	-74.8	240.3182	17.6610	19.40	0.245	2.10	21.31	19.39	0.24	1.71	21.89
485	43.07	0.731	21.1	240.3188	17.7677	15.15	0.052	4.00	20.13	15.15	0.05	3.76	20.02
486	17.79	0.896	-83.9	240.3190	18.1122	19.70	0.367	2.14	23.07	19.70	0.36	2.84	23.97
487	14.30	0.855	71.3	240.3190	17.7020	19.23	0.245	1.97	21.63	19.22	0.23	1.23	20.79
488	16.02	0.817	-60.5	240.3194	18.1557	20.57	0.511	1.78	23.30	20.57	0.51	2.43	24.49
489	14.03	0.714	-59.4	240.3196	17.6488	20.16	0.436	1.74	23.17	20.16	0.43	2.75	24.35
490	11.42	0.823	8.9	240.3197	17.7152	20.14	0.434	1.64	22.84	20.14	0.43	2.15	23.80
491	10.17	0.979	57.5	240.3209	17.9609	19.33	0.236	1.42	22.04	19.32	0.23	0.74	19.53
492	10.31	0.820	64.3	240.3224	17.9731	19.88	0.392	1.07	21.73	19.96	0.40	0.57	20.72

493	11.74	0.472	18.9	240.3230	17.4467	19.40	0.244	1.99	22.42	19.34	0.23	1.17	20.79
494	12.11	0.763	79.3	240.3241	17.8692	20.30	0.463	1.77	22.99	20.34	0.47	2.48	24.31
495	8.25	0.940	30.2	240.3247	17.4107	19.20	0.299	0.73	20.46	19.21	0.30	0.52	19.80
496	8.07	0.949	85.3	240.3251	17.3996	19.42	0.326	0.73	20.63	19.38	0.32	0.50	19.86
497	11.81	0.959	-11.7	240.3263	17.8586	19.93	0.401	1.87	22.88	19.93	0.40	1.94	23.37
498	13.94	0.943	-64.2	240.3265	17.7033	20.02	0.415	1.93	23.02	20.02	0.41	1.98	23.50
499	14.01	0.739	-69.3	240.3272	17.5753	19.80	0.286	2.07	22.49	19.78	0.28	1.77	22.43
500	14.71	0.824	-14.4	240.3282	18.2876	20.42	0.483	1.30	22.71	20.41	0.48	0.89	22.15
501	11.87	0.624	-59.3	240.3283	17.5082	20.04	0.311	1.92	22.25	20.03	0.30	1.62	22.47
502	12.77	0.836	-47.8	240.3299	18.1153	20.29	0.460	1.63	23.00	20.36	0.47	1.39	23.07
503	29.29	0.593	-10.3	240.3300	17.4328	18.45	0.169	3.31	22.73	18.44	0.17	4.86	23.67
504	12.69	0.902	56.2	240.3303	18.1718	19.68	0.362	1.21	21.88	19.68	0.36	0.74	21.02
505	8.93	0.877	32.9	240.3304	17.4174	19.62	0.353	0.82	21.17	19.62	0.35	0.63	20.60
506	26.37	0.891	-57.8	240.3313	17.5565	17.37	0.139	2.23	21.13	17.37	0.14	2.17	21.04
507	11.40	0.849	89.7	240.3325	17.4654	18.70	0.184	1.27	20.22	18.69	0.18	0.99	19.60
508	15.07	0.916	-70.3	240.3326	17.3220	19.36	0.238	2.32	22.82	19.35	0.23	2.15	22.47
509	12.10	0.553	4.0	240.3335	17.9793	19.96	0.301	1.90	21.27	19.95	0.29	3.20	24.25
510	10.10	0.694	-70.8	240.3340	17.3072	19.49	0.248	1.55	23.72	19.48	0.25	1.18	20.99
511	17.79	0.879	31.8	240.3346	17.6405	18.85	0.198	2.41	20.74	18.84	0.19	2.75	22.57
512	40.13	0.373	46.1	240.3353	18.1799	19.56	0.347	2.60	23.23	19.55	0.34	7.05	25.79
513	13.28	0.595	76.0	240.3354	17.4491	19.99	0.303	1.99	21.82	19.97	0.30	2.89	23.99
514	23.72	0.645	-7.6	240.3361	17.9716	19.49	0.259	2.73	22.82	19.49	0.25	4.27	24.51
515	18.82	0.727	-31.7	240.3366	17.7180	19.76	0.286	2.50	22.69	19.73	0.27	3.61	24.33
516	24.45	0.673	-22.1	240.3368	17.7233	18.59	0.180	2.12	22.70	18.58	0.17	0.94	19.32
517	11.24	0.722	-65.5	240.3378	18.1367	20.52	0.500	1.53	23.08	20.52	0.50	1.81	23.80
518	16.12	0.522	18.2	240.3383	18.0003	20.29	0.346	2.00	21.92	20.28	0.33	2.68	24.14
519	11.40	0.890	-6.1	240.3385	17.6578	19.55	0.259	1.85	23.34	19.53	0.25	1.30	21.30
520	14.27	0.629	-67.6	240.3385	17.3794	20.43	0.357	1.96	23.28	20.41	0.35	2.14	23.68
521	10.59	0.633	-88.5	240.3395	17.7140	20.04	0.419	1.88	22.93	20.04	0.42	1.91	23.45
522	16.11	0.798	-50.8	240.3400	18.1503	19.98	0.409	1.87	22.99	20.23	0.45	1.28	22.76
523	15.12	0.924	-21.7	240.3400	18.2312	19.84	0.287	2.32	21.99	19.83	0.28	2.93	23.88
524	10.54	0.801	62.9	240.3405	17.3831	20.88	0.421	1.81	23.21	20.82	0.40	2.79	24.86
525	14.32	0.905	-1.8	240.3406	18.1359	20.06	0.421	1.80	23.03	20.12	0.43	2.37	23.99

526	14.46	0.848	83.5	240.3411	17.3439	19.24	0.227	1.81	20.12	19.23	0.22	1.11	20.52
527	10.00	0.800	5.0	240.3416	18.1876	20.47	0.491	1.64	23.35	20.47	0.49	2.30	24.28
528	17.46	0.912	-28.1	240.3420	17.4795	19.43	0.249	2.48	23.41	19.31	0.23	1.86	22.04
529	25.75	0.626	50.4	240.3423	17.8882	19.15	0.294	2.67	22.86	19.21	0.30	3.62	24.00
530	13.30	0.768	10.8	240.3437	17.8143	19.78	0.287	2.08	21.74	19.77	0.28	2.75	23.63
531	33.10	0.742	11.4	240.3442	17.4615	18.59	0.233	3.11	22.99	18.61	0.23	3.13	23.08
532	14.75	0.889	-82.4	240.3455	18.1861	20.26	0.455	1.81	23.23	20.27	0.45	2.68	24.41
533	14.65	0.677	-22.7	240.3458	18.0337	19.93	0.401	1.57	22.58	19.93	0.40	1.21	22.35
534	12.42	0.805	-54.6	240.3468	17.8945	19.50	0.255	2.13	23.12	19.49	0.25	3.08	23.62
535	14.25	0.728	39.1	240.3483	18.0613	19.14	0.220	1.87	23.39	19.12	0.22	1.51	21.25
536	16.36	0.986	39.1	240.3499	17.7956	19.86	0.393	2.05	22.64	19.76	0.37	1.24	22.23
537	22.08	0.911	-8.4	240.3513	17.8902	17.79	0.167	1.92	21.05	17.79	0.17	1.48	20.64
538	12.18	0.633	16.2	240.3516	17.6162	20.48	0.371	1.88	22.80	20.46	0.35	2.45	24.10
539	11.10	0.766	31.5	240.3521	17.5375	19.59	0.261	1.85	22.75	19.58	0.26	2.25	22.86
540	14.03	0.599	81.9	240.3523	17.4833	20.16	0.326	1.91	22.92	20.17	0.32	2.93	24.26
541	13.42	0.829	-84.7	240.3524	17.3223	20.07	0.311	2.01	21.89	20.14	0.31	1.54	22.47
542	12.10	0.847	-70.1	240.3528	17.9228	20.17	0.441	1.93	22.95	20.32	0.46	1.51	23.21
543	12.52	0.789	-47.3	240.3542	17.6463	19.30	0.234	1.73	21.48	19.42	0.24	0.80	19.84
544	10.30	0.764	-80.9	240.3557	17.8922	20.20	0.445	1.68	22.91	20.29	0.46	1.88	23.66
545	11.89	0.971	-60.5	240.3564	17.4570	19.61	0.353	0.85	21.15	19.67	0.36	0.56	20.41
546	81.88	0.433	-10.1	240.3582	18.0248	15.77	0.069	4.76	21.11	15.71	0.07	5.73	21.49
547	50.45	0.477	31.5	240.3595	17.5021	18.85	0.260	3.08	23.22	18.85	0.26	3.83	23.77
548	19.85	0.754	15.6	240.3596	17.5022	19.45	0.331	2.14	23.03	19.37	0.32	2.24	23.11
549	13.42	0.918	-40.1	240.3601	17.8527	19.16	0.223	2.00	20.93	19.20	0.22	1.18	20.66
550	12.77	0.860	-55.8	240.3606	18.2308	19.79	0.280	1.83	23.18	19.73	0.27	1.20	21.30
551	20.42	0.954	-7.7	240.3609	17.6160	18.48	0.172	2.21	22.62	18.48	0.17	1.26	20.01
552	15.45	0.935	21.2	240.3610	17.6161	18.51	0.173	1.87	22.64	18.51	0.17	1.24	20.02
553	13.71	0.628	57.7	240.3611	18.2023	21.05	0.455	1.91	21.92	21.06	0.44	2.15	24.43
554	16.08	0.890	82.3	240.3615	17.6838	19.99	0.411	2.02	23.07	19.99	0.41	2.44	23.93
555	19.09	0.815	43.4	240.3619	17.5696	20.18	0.441	1.80	23.02	20.38	0.47	1.06	22.50
556	20.52	0.700	46.3	240.3620	17.3032	19.64	0.266	2.63	20.22	19.63	0.26	4.01	24.50
557	15.68	0.962	-43.8	240.3625	17.7340	19.55	0.346	2.05	22.72	19.53	0.34	1.79	22.79
558	11.56	0.752	43.9	240.3631	17.6744	19.80	0.283	2.00	22.86	19.79	0.28	2.85	23.75

559	13.14	0.664	46.2	240.3633	17.4169	20.31	0.342	1.95	16.32	20.29	0.33	2.38	23.83
560	13.38	0.629	9.8	240.3640	17.4404	19.79	0.283	2.01	23.59	19.77	0.28	2.96	23.83
561	16.18	0.819	41.0	240.3642	17.8633	19.20	0.229	2.47	22.92	19.18	0.22	3.21	23.38
562	10.84	0.761	8.2	240.3655	17.5816	20.41	0.480	1.67	23.35	20.40	0.48	2.61	24.48
563	16.84	0.464	65.0	240.3656	18.0724	20.08	0.318	2.07	22.76	20.06	0.31	3.26	24.43
564	13.98	0.654	-38.7	240.3660	18.1692	19.67	0.269	1.78	18.37	19.66	0.26	1.25	21.35
565	80.81	0.229	-1.2	240.3662	17.9139	16.89	0.092	4.97	22.20	16.89	0.09	7.15	22.95
566	49.68	0.508	-13.8	240.3662	17.9015	15.93	0.074	2.75	20.07	15.93	0.07	2.53	19.94
567	13.83	0.647	37.2	240.3663	17.8199	18.96	0.208	2.41	20.76	18.96	0.20	2.08	21.94
568	18.66	0.895	80.5	240.3665	17.8884	18.91	0.203	2.72	21.95	18.90	0.20	2.66	22.55
569	14.19	0.931	51.3	240.3670	18.1189	20.37	0.475	1.85	23.18	20.33	0.46	2.07	23.90
570	13.67	0.793	-7.2	240.3680	17.6265	19.47	0.252	1.99	20.34	19.46	0.24	1.19	20.98
571	10.07	0.878	-88.4	240.3698	17.5784	20.56	0.508	1.55	23.27	20.54	0.50	1.95	23.98
572	11.73	0.937	69.4	240.3698	17.7776	19.55	0.345	1.60	22.25	19.55	0.34	1.24	22.02
573	20.75	0.868	76.7	240.3709	17.8351	18.29	0.207	2.10	21.60	18.29	0.21	1.38	20.98
574	23.55	0.622	-10.8	240.3710	17.6669	19.48	0.336	2.65	23.19	19.48	0.33	4.00	24.48
575	11.05	0.718	6.0	240.3712	18.2539	20.16	0.436	1.16	22.17	20.20	0.44	0.63	21.20
576	18.65	0.615	83.5	240.3716	17.6650	19.97	0.409	2.17	23.22	19.97	0.40	2.78	24.19
577	17.24	0.772	-61.1	240.3734	17.4168	19.71	0.367	1.63	22.69	19.71	0.37	1.47	22.54
578	13.12	0.918	5.1	240.3738	18.0145	19.37	0.321	1.22	21.45	19.56	0.34	0.54	20.22
579	14.56	0.800	-70.6	240.3740	17.9972	19.29	0.234	2.09	23.15	19.28	0.23	1.75	21.83
580	11.33	0.939	-34.2	240.3742	17.9471	19.50	0.339	1.05	21.18	19.50	0.34	0.54	20.16
581	8.60	0.731	-2.4	240.3743	18.0122	18.73	0.188	1.72	22.82	18.73	0.19	1.00	19.68
582	16.79	0.924	29.0	240.3750	18.0487	19.70	0.367	2.22	23.08	19.70	0.36	3.22	24.23
583	17.18	0.927	67.6	240.3755	17.8539	19.13	0.224	2.60	22.85	19.12	0.22	3.03	23.15
584	17.20	0.880	-8.8	240.3755	17.7090	19.04	0.216	2.48	20.00	19.04	0.21	2.44	22.47
585	10.35	0.869	62.8	240.3764	17.5264	19.56	0.346	0.86	21.08	19.55	0.34	0.58	20.35
586	13.32	0.825	-76.8	240.3783	17.9265	19.52	0.342	1.53	22.10	19.52	0.34	0.93	21.35
587	10.26	0.877	13.8	240.3786	18.0784	20.15	0.436	1.40	22.50	20.24	0.45	0.74	21.58
588	67.04	0.455	-49.7	240.3797	18.0288	16.78	0.108	4.78	22.07	16.79	0.11	4.80	22.19
589	17.95	0.829	-4.5	240.3799	17.6790	17.65	0.157	1.16	19.86	17.65	0.16	1.05	19.75
590	23.91	0.575	-32.4	240.3808	17.3008	19.46	0.248	2.69	23.64	19.45	0.24	4.34	24.51
591	32.58	0.842	4.1	240.3814	18.0014	17.63	0.155	3.43	22.14	17.63	0.16	3.09	22.08

592	11.88	0.743	-26.2	240.3816	18.1369	20.69	0.396	1.91	22.82	20.71	0.39	2.65	24.61
593	12.00	0.851	-32.7	240.3823	17.6170	20.20	0.444	1.68	23.07	20.20	0.44	1.82	23.50
594	16.58	0.897	38.7	240.3828	17.6087	19.27	0.235	2.47	23.39	19.26	0.23	3.04	23.32
595	15.90	0.772	71.8	240.3831	18.1404	20.27	0.456	1.88	23.22	20.36	0.47	2.53	24.37
596	13.60	0.869	56.5	240.3832	17.5540	20.48	0.494	1.80	23.39	20.72	0.53	1.99	24.21
597	16.37	0.812	52.9	240.3835	17.6223	19.64	0.273	2.22	21.14	19.66	0.26	1.29	21.42
598	12.20	0.730	-56.7	240.3836	18.0473	20.03	0.415	1.61	22.72	20.03	0.41	1.63	23.07
599	19.55	0.800	34.6	240.3844	18.1228	19.23	0.304	2.02	22.51	19.23	0.30	1.66	22.33
600	20.47	0.827	-7.5	240.3845	17.5642	18.39	0.165	2.11	22.85	18.39	0.16	1.45	20.31
601	35.18	0.822	-78.6	240.3851	17.4311	18.28	0.205	3.36	22.96	18.28	0.20	3.89	23.23
602	20.99	0.673	32.1	240.3853	17.8802	19.21	0.229	2.65	21.47	19.20	0.22	3.77	23.84
603	13.69	0.844	16.5	240.3866	17.9623	19.81	0.383	1.75	22.62	19.90	0.39	1.20	22.30
604	12.78	0.793	-11.9	240.3870	17.7974	20.27	0.458	1.83	22.98	20.27	0.45	2.40	24.17
605	22.63	0.501	42.5	240.3872	17.7266	19.52	0.342	2.16	22.71	19.52	0.34	2.75	23.71
606	31.49	0.881	82.7	240.3878	17.6934	17.08	0.122	2.16	20.66	17.07	0.12	2.09	20.68
607	27.08	0.661	25.2	240.3882	17.7596	19.39	0.326	2.77	22.99	19.39	0.32	2.77	23.60
608	12.29	0.740	16.7	240.3906	18.1837	20.54	0.505	1.49	22.91	20.60	0.51	0.90	22.36
609	13.70	0.919	62.5	240.3916	17.9075	19.93	0.401	2.06	22.98	19.93	0.40	2.28	23.71
610	10.62	0.984	-52.7	240.3918	18.0182	18.95	0.271	0.98	20.72	18.95	0.27	0.63	19.96
611	12.48	0.894	-71.7	240.3932	17.5675	18.97	0.206	1.70	22.36	18.96	0.20	1.00	19.94
612	16.48	0.955	10.1	240.3937	17.5429	20.18	0.441	2.02	23.40	20.25	0.45	2.72	24.41
613	11.04	0.796	65.0	240.3940	18.1039	20.19	0.329	1.93	23.12	20.18	0.32	2.48	23.81
614	16.67	0.872	29.1	240.3941	17.9588	19.98	0.410	2.07	22.91	19.95	0.40	2.42	23.87
615	19.08	0.540	-82.4	240.3954	17.4824	19.82	0.288	2.32	22.47	19.79	0.28	3.83	24.56
616	11.73	0.889	12.7	240.3958	17.9898	19.52	0.341	1.39	21.99	19.52	0.34	0.90	21.30
617	15.98	0.976	83.2	240.3961	17.8751	19.30	0.313	2.00	22.34	19.30	0.31	1.27	21.82
618	11.25	0.702	-16.1	240.3966	17.4289	20.01	0.305	1.83	22.82	20.00	0.30	1.63	22.45
619	25.72	0.610	22.2	240.3968	17.8801	19.03	0.281	2.64	22.70	19.03	0.28	3.37	23.66
620	17.29	0.914	-31.0	240.3969	17.9108	18.94	0.270	1.94	22.10	18.94	0.27	2.33	22.77
621	16.64	0.859	-47.6	240.3970	18.3231	20.36	0.471	1.67	23.23	20.35	0.47	2.57	24.39
622	19.75	0.790	-58.8	240.3970	17.5486	17.89	0.174	1.22	20.25	17.89	0.17	1.06	20.02
623	14.38	0.815	59.9	240.3985	17.3338	19.71	0.272	2.29	23.21	19.70	0.27	2.90	23.69
624	15.19	0.906	53.0	240.3986	18.0078	19.65	0.360	1.89	22.57	19.64	0.36	1.28	22.17

625	11.49	0.898	2.2	240.3990	17.5496	20.19	0.442	1.17	22.13	20.31	0.46	0.59	21.16
626	25.47	0.769	60.9	240.4013	17.3950	19.10	0.288	2.36	22.88	19.10	0.29	2.53	23.12
627	10.90	0.712	4.9	240.4021	18.2349	20.33	0.465	1.46	22.88	20.33	0.46	1.23	22.77
628	10.44	0.920	-40.1	240.4023	18.1956	19.10	0.288	0.80	20.42	19.10	0.29	0.46	19.41
629	20.74	0.928	9.7	240.4034	17.6755	19.24	0.306	2.53	22.93	19.24	0.30	2.52	23.25
630	21.37	0.637	13.4	240.4035	17.3056	19.09	0.215	2.10	23.11	19.09	0.21	1.19	20.57
631	20.27	0.910	17.2	240.4043	17.9719	18.93	0.270	2.26	22.37	19.08	0.28	1.75	22.29
632	15.18	0.989	-43.3	240.4048	17.4129	19.28	0.232	2.08	23.46	19.39	0.24	1.19	20.90
633	16.85	0.706	38.2	240.4065	17.8257	18.48	0.223	1.36	20.94	18.48	0.22	2.59	22.54
634	19.16	0.885	79.3	240.4067	17.6829	19.65	0.360	2.37	23.07	19.80	0.38	2.09	23.39
635	14.56	0.699	33.0	240.4073	17.8251	18.68	0.242	1.23	20.90	18.68	0.24	1.14	20.95
636	9.91	0.835	-24.0	240.4078	17.8834	18.95	0.204	1.34	23.21	19.02	0.21	0.79	19.37
637	13.76	0.819	0.3	240.4086	17.6877	20.30	0.463	1.78	22.97	20.44	0.48	1.49	23.29
638	12.56	0.752	-70.6	240.4094	18.0538	19.88	0.393	1.68	22.66	19.88	0.39	1.43	22.65
639	12.69	0.718	41.4	240.4095	17.6794	20.41	0.481	1.70	23.14	20.41	0.48	2.30	24.21
640	11.50	0.957	-49.4	240.4106	17.9579	20.49	0.498	1.68	22.95	20.49	0.49	1.65	23.57
641	14.27	0.719	20.5	240.4107	17.6241	20.55	0.508	1.74	23.28	20.55	0.50	2.14	24.20
642	10.24	0.804	55.9	240.4109	17.6478	20.24	0.419	1.89	20.29	20.22	0.33	2.56	23.96
643	13.05	0.709	-65.8	240.4114	17.4283	19.38	0.240	1.56	22.81	19.37	0.24	0.87	20.03
644	21.07	0.886	50.0	240.4116	17.3197	19.20	0.225	2.93	22.78	19.20	0.22	4.33	24.22
645	11.83	0.847	-22.7	240.4116	17.4933	19.67	0.268	1.97	22.72	19.66	0.26	1.84	22.40
646	10.60	0.863	30.6	240.4123	18.0555	19.69	0.271	1.93	23.43	19.68	0.27	1.72	22.24
647	16.12	0.712	-51.8	240.4130	17.7498	20.59	0.516	1.67	23.12	20.71	0.53	1.90	24.10
648	19.72	0.812	13.6	240.4137	18.0643	19.90	0.398	2.29	23.18	19.89	0.39	3.11	24.35
649	15.93	0.806	82.1	240.4137	18.1653	20.25	0.453	1.82	23.00	20.37	0.47	1.85	23.71
650	12.48	0.896	-37.8	240.4138	18.0023	20.07	0.423	1.77	22.81	20.06	0.42	1.54	22.99
651	16.42	0.898	-70.8	240.4138	17.9315	18.20	0.153	1.77	22.94	18.20	0.15	3.98	22.85
652	12.84	0.954	4.3	240.4142	17.5978	20.40	0.480	1.29	22.42	20.31	0.46	0.73	21.61
653	17.49	0.850	15.7	240.4149	18.1928	19.76	0.375	1.56	22.28	19.93	0.40	0.62	20.87
654	15.55	0.538	11.2	240.4158	17.7157	19.87	0.391	1.66	22.64	19.87	0.39	1.75	23.07
655	19.40	0.580	-73.3	240.4167	18.2827	21.05	0.612	1.79	23.48	21.16	0.63	2.04	24.70
656	12.38	0.738	12.9	240.4169	17.6934	19.85	0.388	1.28	22.08	19.85	0.39	0.78	21.32
657	12.14	0.826	37.7	240.4181	17.5309	20.68	0.531	1.49	23.29	20.67	0.53	1.98	24.15

658	13.38	0.760	84.3	240.4197	17.6363	19.20	0.226	1.75	22.71	19.23	0.22	0.89	19.92
659	13.07	0.821	-77.5	240.4200	17.7539	19.53	0.343	1.36	21.80	19.53	0.34	0.73	20.85
660	34.07	0.792	4.4	240.4208	17.3760	18.21	0.154	3.98	22.84	18.20	0.15	5.21	23.58
661	19.55	0.535	12.4	240.4215	17.5797	20.34	0.469	1.90	23.37	20.34	0.47	3.36	24.97
662	11.75	0.808	56.7	240.4218	17.7390	20.35	0.471	1.55	22.67	20.37	0.47	1.10	22.56
663	55.34	0.465	-71.2	240.4226	17.9510	15.67	0.066	2.80	19.85	15.67	0.07	2.84	19.92
664	12.00	0.821	3.4	240.4227	18.1360	20.56	0.377	1.94	20.40	20.54	0.36	3.36	25.07
665	15.57	0.880	-18.9	240.4248	17.3934	20.27	0.455	1.74	23.29	20.36	0.47	1.64	23.43
666	17.28	0.564	71.9	240.4250	17.3058	19.88	0.290	2.03	21.27	20.21	0.32	1.59	22.63
667	13.23	0.670	17.0	240.4251	18.2031	20.04	0.308	1.90	23.25	20.03	0.30	3.20	24.34
668	49.66	0.941	19.8	240.4268	17.4563	15.83	0.059	6.01	22.73	15.85	0.06	6.85	21.64
669	12.22	0.575	39.7	240.4270	18.2397	19.95	0.402	1.07	21.89	20.15	0.43	0.54	20.79
670	12.99	0.755	20.2	240.4278	17.6741	20.15	0.437	1.63	22.79	20.15	0.43	1.27	22.68
671	15.80	0.809	-81.5	240.4283	17.5255	20.25	0.453	1.87	23.36	20.25	0.45	2.44	24.18
672	14.88	0.610	40.3	240.4285	17.6128	20.07	0.355	2.09	23.02	20.06	0.31	2.14	23.28
673	15.91	0.791	35.7	240.4286	18.1286	19.39	0.243	2.27	23.45	19.57	0.25	1.45	21.65
674	11.99	0.629	-16.6	240.4298	17.9202	20.11	0.430	1.62	22.77	20.11	0.43	1.73	23.30
675	13.19	0.786	14.9	240.4302	18.0522	20.41	0.482	1.82	23.11	20.53	0.50	1.89	23.91
676	15.37	0.852	4.3	240.4314	18.2264	20.06	0.422	1.80	22.96	20.05	0.42	2.24	23.80
677	17.57	0.822	-31.1	240.4319	17.7594	19.37	0.322	1.84	22.25	19.37	0.32	1.11	21.59
678	17.26	0.930	16.4	240.4324	17.4706	19.17	0.296	1.45	21.89	19.17	0.30	1.17	21.50
679	14.74	0.614	65.1	240.4329	17.9416	20.21	0.335	2.02	22.99	20.20	0.32	2.96	24.31
680	11.77	0.714	66.1	240.4337	17.6756	19.33	0.237	1.77	23.44	19.32	0.23	1.22	20.90
681	15.28	0.810	-40.3	240.4353	17.9910	20.06	0.423	1.98	23.05	20.06	0.42	2.71	24.22
682	14.81	0.695	-60.6	240.4356	17.9967	19.91	0.298	2.12	22.71	19.89	0.29	2.54	23.55
683	13.37	0.884	-67.2	240.4357	17.6634	20.10	0.428	1.93	23.12	20.10	0.42	2.27	23.87
684	16.08	0.786	-68.4	240.4368	17.8950	18.58	0.178	1.80	22.99	18.58	0.17	1.20	20.00
685	12.35	0.705	-84.8	240.4372	18.0439	20.60	0.517	1.66	23.12	20.60	0.51	2.76	24.80
686	11.75	0.912	-83.7	240.4373	17.4565	20.70	0.535	1.33	23.02	20.70	0.53	1.65	23.78
687	11.95	0.876	12.9	240.4374	17.5536	19.51	0.254	2.10	22.91	19.50	0.25	2.02	22.48
688	14.51	0.807	13.4	240.4383	18.1372	19.87	0.292	2.02	21.85	19.86	0.28	2.85	23.83
689	21.18	0.900	37.1	240.4386	17.7216	18.15	0.151	2.37	22.52	18.15	0.15	1.83	20.66
690	14.34	0.889	-71.0	240.4386	18.1428	19.59	0.263	2.08	21.80	19.81	0.28	1.17	21.33

20.72	1.17	0.23	19.27	16.91	1.62	0.231	19.28	18.1004	240.4389	53.8	0.747	11.64	691
20.09	1.31	0.15	17.51	20.46	1.61	0.147	17.51	18.2250	240.4394	46.0	0.633	32.25	692
19.70	1.57	0.10	16.72	19.89	1.77	0.105	16.72	18.0194	240.4395	8.4	0.635	37.95	693
23.40	2.63	0.27	19.68	22.47	2.16	0.276	19.70	17.6130	240.4407	56.1	0.884	12.46	694
19.83	0.60	0.27	18.94	20.79	1.07	0.266	18.90	17.9668	240.4410	54.8	0.899	13.25	695
23.75	2.01	0.45	20.23	23.22	1.89	0.453	20.25	18.2449	240.4414	-68.7	0.850	15.92	696
24.75	3.44	0.32	20.22	22.59	2.02	0.334	20.24	18.1379	240.4419	74.8	0.568	15.20	697
20.74	0.67	0.35	19.62	21.81	1.30	0.352	19.60	18.0641	240.4432	41.6	0.949	12.81	698
23.44	2.90	0.29	19.14	23.11	2.63	0.292	19.14	18.2779	240.4448	-25.9	0.715	28.02	699
24.93	3.52	0.34	20.32	23.41	2.17	0.338	20.23	17.5516	240.4451	63.2	0.581	16.23	700
23.86	2.33	0.41	20.03	23.19	1.75	0.415	20.03	17.4001	240.4455	14.1	0.831	18.11	701
20.61	0.99	0.26	19.58	22.94	1.39	0.257	19.56	17.3470	240.4458	46.1	0.775	10.89	702
23.73	4.59	0.18	18.64	22.42	3.42	0.182	18.64	17.3116	240.4461	17.0	0.837	27.03	703
23.06	1.14	0.55	20.78	22.94	1.97	0.554	20.75	17.8264	240.4465	-79.3	0.891	15.91	704
23.61	6.44	0.15	17.57	19.34	0.92	0.151	17.57	17.6384	240.4475	-37.3	0.806	23.94	705
23.23	3.11	0.25	18.77	22.78	3.00	0.253	18.77	17.8283	240.4483	-58.6	0.793	26.36	706
19.83	0.78	0.25	19.47	22.78	1.21	0.244	19.44	17.3382	240.4484	-81.9	0.611	11.35	707
21.55	1.99	0.19	18.06	21.72	2.20	0.187	18.07	17.4763	240.4486	-2.1	0.917	23.61	708
19.22	1.29	0.13	17.73	21.76	1.47	0.126	17.73	17.6369	240.4491	-57.2	0.714	11.48	709
19.74	0.91	0.21	19.01	23.34	1.87	0.216	19.06	17.7502	240.4498	-84.0	0.951	14.64	710
23.70	2.45	0.37	19.76	23.00	2.25	0.378	19.77	18.0059	240.4520	-43.3	0.792	19.73	711
24.38	3.22	0.39	19.85	23.12	2.24	0.389	19.85	18.0818	240.4522	85.3	0.711	20.31	712
24.28	2.93	0.40	19.95	23.03	1.95	0.404	19.95	17.7586	240.4530	-19.5	0.938	12.62	713
22.57	1.22	0.43	20.13	22.63	1.38	0.433	20.13	17.6581	240.4541	72.6	0.687	11.01	714
20.09	0.88	0.24	19.40	23.00	1.58	0.230	19.26	18.0459	240.4542	55.9	0.683	12.29	715
23.03	1.38	0.46	20.33	23.06	1.62	0.465	20.32	18.2976	240.4542	-51.8	0.913	14.92	716
24.22	3.00	0.31	20.08	21.59	2.28	0.318	20.08	17.4829	240.4550	52.6	0.648	17.78	717
23.81	4.01	0.21	19.02	23.30	2.80	0.214	19.03	17.8678	240.4556	58.1	0.564	24.62	718
24.48	2.73	0.46	20.31	23.05	1.67	0.465	20.32	17.7541	240.4558	82.7	0.842	10.08	719
22.77	8.20	0.08	16.21	22.46	7.29	0.083	16.21	17.6406	240.4558	17.1	0.990	69.26	720
24.41	2.18	0.53	20.72	23.43	1.67	0.530	20.67	18.2875	240.4560	40.5	0.675	16.75	721
21.78	2.90	0.14	17.47	21.83	3.15	0.145	17.47	18.0295	240.4564	32.1	0.685	37.18	722
24.24	2.70	0.42	20.09	23.31	2.03	0.427	20.10	18.2479	240.4566	-55.4	0.915	17.60	723

724	11.85	0.802	47.0	240.4572	17.6697	19.93	0.304	1.93	23.20	19.93	0.29	1.31	21.79
725	14.98	0.897	-22.0	240.4578	17.9233	18.79	0.195	1.78	22.76	18.79	0.19	0.98	19.67
726	18.95	0.889	2.2	240.4582	18.2043	19.63	0.266	2.60	23.11	19.62	0.26	3.36	24.01
727	13.27	0.913	1.0	240.4583	17.8949	19.92	0.400	2.00	22.93	19.94	0.40	1.73	23.13
728	26.80	0.414	-15.1	240.4586	17.9917	19.00	0.211	2.77	23.36	19.00	0.21	3.77	23.61
729	20.76	0.845	45.4	240.4594	17.8173	18.19	0.197	1.65	21.07	18.19	0.20	1.16	20.51
730	13.62	0.478	-15.2	240.4594	17.4751	19.52	0.253	1.80	22.21	19.51	0.25	1.59	21.83
731	13.81	0.897	12.1	240.4606	18.2442	20.51	0.499	1.73	23.32	20.62	0.52	1.97	24.09
732	13.84	0.945	-33.1	240.4608	18.1274	19.12	0.219	1.88	21.91	19.11	0.21	1.09	20.34
733	71.99	0.288	-37.0	240.4616	17.9957	15.81	0.070	2.44	19.69	15.81	0.07	2.22	19.54
734	11.06	0.902	-3.7	240.4617	18.3402	19.14	0.291	0.73	20.37	19.16	0.29	0.48	19.57
735	8.10	0.930	-83.4	240.4624	17.4260	19.69	0.363	0.77	21.07	19.76	0.37	0.50	20.27
736	12.83	0.766	-88.7	240.4628	17.8798	18.96	0.205	1.41	22.97	19.09	0.21	0.72	19.18
737	12.03	0.578	-23.1	240.4633	17.5661	20.50	0.496	1.29	22.88	20.50	0.49	1.31	23.09
738	11.24	0.688	31.0	240.4634	17.4140	20.05	0.309	1.93	23.12	20.04	0.30	2.91	24.09
739	78.49	0.643	48.0	240.4642	17.9574	13.44	0.024	5.47	19.12	13.41	0.02	5.54	19.12
740	13.01	0.702	78.9	240.4646	18.0713	20.37	0.475	1.70	23.10	20.37	0.47	2.53	24.39
741	9.70	0.969	11.3	240.4653	18.1677	20.54	0.505	1.58	23.07	20.54	0.50	1.48	23.39
742	12.66	0.984	18.4	240.4653	18.2374	20.38	0.476	1.61	22.98	20.37	0.47	1.22	22.80
743	14.73	0.867	-76.2	240.4653	17.5805	20.31	0.463	1.87	23.35	20.36	0.47	2.42	24.27
744	16.38	0.907	-71.1	240.4655	17.8478	19.05	0.215	2.30	22.88	19.04	0.21	1.74	21.54
745	35.29	0.632	-35.5	240.4658	17.9281	16.60	0.099	2.08	20.12	16.60	0.10	2.06	20.17
746	23.40	0.744	-25.9	240.4660	18.0654	17.83	0.170	3.18	22.20	17.84	0.17	2.86	22.12
747	18.15	0.750	22.1	240.4661	17.8142	19.50	0.259	2.35	21.64	19.74	0.27	1.21	21.34
748	16.76	0.677	-33.7	240.4662	17.4360	20.69	0.532	1.48	23.45	20.69	0.53	2.25	24.44
749	14.36	0.937	-29.1	240.4662	18.2357	19.93	0.401	1.60	22.60	19.93	0.40	1.47	22.76
750	19.40	0.416	-81.0	240.4662	18.0624	20.13	0.434	2.02	23.01	20.13	0.43	2.98	24.50
751	28.82	0.806	-18.0	240.4663	17.3989	19.12	0.291	2.87	23.36	19.14	0.29	3.55	23.89
752	17.08	0.917	-80.3	240.4670	17.3105	19.56	0.258	2.50	22.63	19.71	0.27	2.07	22.79
753	13.90	0.876	18.9	240.4670	17.3911	20.43	0.483	1.16	22.48	20.44	0.48	0.70	21.65
754	22.18	0.622	7.6	240.4675	18.0739	19.84	0.388	2.29	23.21	19.84	0.39	3.65	24.65
755	16.22	0.579	-9.4	240.4688	17.3045	20.01	0.304	1.97	22.65	20.18	0.32	1.64	22.69
756	12.53	0.769	-53.0	240.4694	17.3026	20.43	0.355	1.86	20.74	20.39	0.34	2.12	23.63

757	16.59	0.861	59.7	240.4711	17.8603	19.75	0.292	2.70	21.04	20.13	0.31	0.91	21.03
758	13.42	0.859	-62.4	240.4711	17.4733	20.62	0.519	1.52	23.35	20.62	0.52	1.65	23.70
759	17.81	0.539	10.8	240.4713	17.7643	19.52	0.259	2.32	22.62	19.51	0.25	3.61	24.07
760	13.92	0.819	-50.1	240.4715	17.5812	19.37	0.243	2.14	20.33	19.36	0.24	2.00	22.29
761	14.79	0.804	2.1	240.4716	18.3219	20.68	0.530	1.56	23.44	20.68	0.53	1.76	23.89
762	20.79	0.654	-82.8	240.4722	17.9722	19.42	0.328	2.24	22.74	19.42	0.33	2.20	23.13
763	14.92	0.796	-80.9	240.4723	17.8341	19.03	0.280	1.42	21.51	19.03	0.28	0.88	20.74
764	10.02	0.763	-77.7	240.4731	18.0667	20.30	0.343	1.78	22.53	20.29	0.33	2.67	24.13
765	19.29	0.857	-56.0	240.4732	18.2139	18.65	0.239	1.48	21.35	18.65	0.24	1.06	20.77
766	13.13	0.814	80.6	240.4739	17.5172	19.24	0.229	1.63	23.39	19.48	0.25	0.66	19.39
767	12.25	0.601	74.5	240.4742	18.1140	20.39	0.354	1.91	20.76	20.36	0.34	2.73	24.28
768	15.70	0.668	50.3	240.4751	18.0347	20.19	0.443	1.90	23.08	20.19	0.44	2.69	24.33
769	19.41	0.715	69.7	240.4751	18.2825	20.36	0.472	1.28	22.47	20.67	0.53	0.61	21.60
770	11.71	0.755	-77.7	240.4759	17.8599	19.97	0.407	1.64	22.63	20.01	0.41	1.12	22.24
771	16.76	0.745	-5.0	240.4762	17.3012	19.87	0.289	2.33	23.07	19.86	0.28	2.73	23.71
772	10.79	0.872	22.0	240.4767	17.7188	19.96	0.405	1.45	22.47	20.18	0.44	0.83	21.76
773	10.96	0.829	83.1	240.4767	17.4826	20.46	0.366	1.82	23.36	20.51	0.36	2.06	23.69
774	13.54	0.732	-30.4	240.4768	17.7040	19.70	0.276	2.08	23.36	19.69	0.27	2.82	23.60
775	12.56	0.893	-27.4	240.4770	17.4950	19.65	0.266	2.19	23.14	19.64	0.26	2.62	23.35
776	14.78	0.881	52.0	240.4773	17.5876	20.12	0.330	2.25	22.77	20.06	0.31	1.73	22.68
777	11.45	0.774	-13.2	240.4773	17.5923	20.07	0.421	1.10	22.06	20.16	0.44	0.67	21.27
778	14.60	0.638	68.2	240.4787	17.5623	19.80	0.286	2.01	22.30	19.78	0.28	2.15	22.97
779	10.20	0.786	59.4	240.4791	18.2056	20.17	0.439	1.30	22.46	20.17	0.44	0.90	21.93
780	44.39	0.521	88.2	240.4792	18.3079	16.39	0.091	1.74	19.59	16.39	0.09	1.57	19.36
781	18.79	0.664	-46.1	240.4793	17.4988	19.25	0.231	2.43	22.12	19.25	0.23	2.78	23.06
782	11.41	0.910	-75.4	240.4802	17.9332	19.36	0.241	1.89	23.50	19.36	0.24	1.50	21.49
783	10.03	0.976	-7.8	240.4806	18.0497	20.27	0.455	1.53	22.99	20.20	0.44	1.69	23.34
784	17.26	0.903	31.6	240.4807	18.0498	19.85	0.389	2.16	23.02	19.85	0.39	2.06	23.42
785	14.36	0.584	-37.4	240.4815	17.8311	19.55	0.259	2.02	21.07	19.54	0.25	3.17	23.75
786	23.43	0.974	-70.2	240.4820	18.1987	19.04	0.281	2.86	23.06	19.04	0.28	2.98	23.40
787	14.89	0.596	30.9	240.4821	18.1598	20.50	0.498	1.72	23.05	20.50	0.49	2.67	24.62
788	16.04	0.899	63.0	240.4825	18.2075	19.91	0.398	1.84	22.87	19.91	0.39	1.63	22.96
789	12.51	0.638	-55.8	240.4831	17.8122	19.88	0.295	1.97	21.43	19.86	0.28	3.10	24.06

790	17.73	0.936	42.9	240.4836	17.7703	19.40	0.325	2.31	22.82	19.40	0.32	2.16	23.07
791	13.29	0.656	80.4	240.4839	17.3121	20.29	0.338	1.99	22.76	20.31	0.33	2.20	23.64
792	12.86	0.643	31.7	240.4863	17.3129	20.23	0.329	1.96	19.49	20.21	0.32	2.24	23.57
793	15.56	0.916	49.8	240.4874	17.3933	20.30	0.460	1.79	23.35	20.31	0.46	2.56	24.35
794	14.69	0.627	88.7	240.4897	17.6803	19.78	0.285	2.09	19.83	19.77	0.27	2.86	23.73
795	10.47	0.852	61.9	240.4901	17.7660	20.45	0.489	1.68	23.02	20.44	0.48	2.32	24.27
796	11.22	0.612	-86.8	240.4902	17.6866	19.84	0.387	1.74	22.61	19.84	0.38	1.71	23.00
797	9.42	0.880	40.3	240.4904	18.3912	20.16	0.436	0.76	21.60	20.23	0.45	0.57	21.01
798	24.78	0.541	50.5	240.4904	17.6879	19.21	0.302	2.55	22.86	19.27	0.31	2.78	23.48
799	15.68	0.911	69.2	240.4907	18.2190	17.72	0.161	0.91	19.42	17.72	0.16	0.66	18.82
800	15.07	0.903	23.4	240.4907	17.4662	19.79	0.378	1.45	22.47	19.82	0.38	1.15	22.11
801	9.27	0.908	-76.7	240.4911	17.4867	20.54	0.503	1.16	22.72	20.66	0.52	0.82	22.22
802	12.77	0.886	87.4	240.4911	18.3038	19.31	0.232	1.39	20.63	19.30	0.23	0.81	19.75
803	16.39	0.818	-79.2	240.4920	17.8431	19.56	0.347	2.08	22.74	19.56	0.34	1.80	22.84
804	14.89	0.650	-78.2	240.4922	17.4821	20.04	0.312	2.13	22.98	20.02	0.30	3.03	24.18
805	11.68	0.854	13.4	240.4924	17.8131	19.57	0.261	1.76	20.37	19.57	0.25	2.25	22.85
806	14.97	0.840	-1.0	240.4925	17.5980	19.75	0.285	2.17	20.22	19.78	0.28	1.21	21.41
807	17.78	0.864	55.3	240.4930	18.1395	19.29	0.234	2.09	21.34	19.63	0.26	0.73	19.83
808	14.28	0.937	63.0	240.4934	17.9095	19.78	0.288	2.18	22.46	19.77	0.28	2.27	23.10
809	18.05	0.905	83.5	240.4935	17.6646	19.57	0.349	2.27	23.03	19.57	0.35	2.89	23.88
810	11.55	0.554	21.8	240.4939	17.6873	19.38	0.246	2.31	23.42	19.37	0.24	1.89	22.14
811	13.48	0.601	-31.5	240.4940	17.6287	19.26	0.233	1.65	22.73	19.47	0.25	0.75	19.72
812	10.03	0.874	86.5	240.4940	17.8633	19.71	0.275	1.78	22.21	19.69	0.27	1.87	22.49
813	14.69	0.877	40.7	240.4945	17.8912	20.20	0.445	1.99	23.09	20.24	0.45	2.47	24.20
814	21.61	0.867	-83.6	240.4957	18.3087	19.39	0.323	2.28	23.01	19.45	0.33	1.97	22.91
815	11.33	0.817	-7.9	240.4964	17.8272	20.61	0.521	1.66	23.04	20.73	0.54	1.48	23.57
816	15.82	0.658	-58.4	240.4964	17.6641	19.47	0.256	2.42	22.52	19.65	0.26	2.57	23.30
817	15.92	0.748	23.4	240.4966	17.6912	19.66	0.360	1.87	22.63	19.94	0.40	1.05	22.05
818	15.82	0.942	2.3	240.4967	17.4070	20.25	0.452	1.86	23.49	20.25	0.45	2.66	24.37
819	14.26	0.835	67.9	240.4979	17.9549	19.50	0.254	2.15	22.68	19.49	0.25	2.28	22.80
820	16.86	0.847	88.5	240.4990	17.6581	19.48	0.335	2.00	22.71	19.48	0.33	1.74	22.68
821	13.58	0.710	82.6	240.4991	17.6036	19.26	0.232	1.70	22.96	19.25	0.23	0.77	19.57
822	16.19	0.569	58.7	240.4998	17.6150	19.48	0.251	2.22	22.52	19.48	0.25	3.29	23.78

823	16.95	0.819	21.1	240.5001	17.6906	19.34	0.242	2.43	22.67	19.33	0.23	2.19	22.50
824	16.64	0.874	60.7	240.5002	18.3108	20.26	0.455	1.86	23.37	20.25	0.45	2.56	24.28
825	15.53	0.899	75.2	240.5018	17.6687	18.97	0.272	1.34	21.40	19.11	0.29	0.73	20.42
826	12.46	0.730	-0.6	240.5019	17.4914	19.39	0.242	1.68	22.54	19.38	0.24	1.03	20.48
827	18.50	0.828	44.8	240.5020	17.6575	19.03	0.216	2.57	22.77	19.03	0.21	2.20	22.17
828	11.54	0.707	-16.7	240.5033	18.0543	20.09	0.426	1.58	22.74	20.09	0.42	1.40	22.82
829	15.80	0.866	-67.0	240.5034	18.0720	19.82	0.289	2.37	21.93	19.79	0.28	3.87	24.59
830	12.46	0.897	-55.3	240.5036	17.8464	19.52	0.341	1.52	22.07	19.57	0.35	0.87	21.27
831	11.37	0.827	6.5	240.5041	17.2996	20.47	0.360	1.93	22.94	20.46	0.35	2.44	24.08
832	15.19	0.614	20.9	240.5045	17.4172	19.82	0.285	2.15	19.98	19.81	0.28	3.28	24.16
833	27.49	0.740	3.9	240.5047	18.0842	18.43	0.169	3.36	21.34	18.42	0.16	3.74	22.93
834	14.89	0.906	-75.9	240.5049	17.6681	19.01	0.212	2.05	23.46	19.01	0.21	1.22	20.54
835	13.04	0.760	-67.0	240.5052	17.5489	20.69	0.533	1.62	23.38	20.68	0.53	2.13	24.32
836	16.97	0.894	-6.2	240.5058	17.8388	19.42	0.329	2.16	22.68	19.42	0.33	2.02	22.94
837	13.39	0.716	35.2	240.5063	17.8123	20.38	0.477	1.78	23.00	20.35	0.47	3.17	24.85
838	24.39	0.764	-18.4	240.5069	17.6209	18.69	0.189	2.96	23.38	18.69	0.18	3.25	22.85
839	17.76	0.779	-35.1	240.5071	17.6522	19.92	0.400	2.06	23.08	19.92	0.40	2.21	23.64
840	40.23	0.418	86.3	240.5078	17.6650	18.31	0.163	3.50	23.37	18.31	0.16	5.30	23.75
841	9.25	0.977	59.5	240.5082	18.0700	20.25	0.453	1.65	22.98	20.24	0.45	1.92	23.65
842	10.42	0.840	-19.7	240.5086	17.3358	19.44	0.244	1.40	22.33	19.43	0.24	0.83	19.98
843	17.80	0.869	-73.2	240.5088	17.3000	19.59	0.260	2.53	19.43	19.58	0.26	2.30	22.92
844	21.35	0.501	-18.0	240.5089	17.9120	19.32	0.240	2.48	22.67	19.31	0.23	3.45	23.72
845	9.25	0.862	23.6	240.5090	18.0969	19.88	0.293	1.63	22.95	19.97	0.29	1.35	21.90
846	13.65	0.629	70.9	240.5098	17.9333	19.63	0.267	1.88	23.28	19.61	0.26	3.23	23.88
847	11.62	0.670	24.7	240.5101	18.2698	19.76	0.276	1.57	22.85	19.88	0.29	1.57	22.22
848	16.50	0.849	11.2	240.5102	17.6546	20.18	0.442	2.00	23.12	20.24	0.45	2.03	23.77
849	20.56	0.946	86.4	240.5112	17.8499	18.46	0.222	2.23	21.95	18.46	0.22	1.67	21.57
850	37.11	0.472	-11.1	240.5116	17.6217	17.94	0.138	3.69	22.21	17.94	0.14	5.57	23.47
851	15.26	0.777	-48.4	240.5118	17.8277	20.17	0.441	1.99	23.10	20.15	0.43	2.84	24.41
852	15.37	0.926	53.6	240.5122	17.7441	19.22	0.230	2.44	22.89	19.21	0.22	2.53	22.75
853	11.81	0.895	59.1	240.5122	17.5352	19.89	0.296	2.04	22.57	19.88	0.29	2.27	23.23
854	14.17	0.706	7.1	240.5124	17.9724	19.58	0.621	1.52	21.07	19.57	0.31	1.88	22.36
855	14.41	0.798	77.6	240.5133	17.7123	20.01	0.415	1.91	22.92	20.07	0.42	1.61	23.10

856	16.53	0.814	29.6	240.5139	17.4488	19.75	0.282	2.37	22.53	19.70	0.27	2.53	23.32
857	8.31	0.631	61.8	240.5139	18.1544	19.23	0.303	1.13	21.16	19.45	0.33	0.48	19.87
858	21.04	0.806	44.7	240.5145	17.5058	21.50	0.719	1.73	23.49	21.68	0.75	1.13	23.95
859	10.43	0.751	62.1	240.5148	17.8915	20.17	0.331	1.85	23.00	20.16	0.32	2.71	24.03
860	23.72	0.762	-17.0	240.5152	17.6726	19.09	0.288	2.52	22.78	19.09	0.29	2.70	23.24
861	19.50	0.779	17.9	240.5157	17.4437	19.64	0.357	1.82	22.85	19.64	0.36	1.74	22.84
862	13.50	0.894	-50.0	240.5159	17.4975	19.61	0.266	1.97	22.21	19.60	0.26	1.14	21.02
863	13.85	0.906	82.7	240.5166	17.7117	20.04	0.324	2.17	22.15	20.31	0.33	1.27	22.14
864	33.22	0.674	29.4	240.5181	17.5800	18.30	0.162	3.84	22.18	18.30	0.16	5.55	23.87
865	21.91	0.788	-42.3	240.5182	17.6721	17.87	0.133	3.25	20.63	17.87	0.13	4.14	22.58
866	15.41	0.662	51.8	240.5187	18.2352	19.69	0.270	2.24	23.20	19.68	0.27	2.92	23.69
867	10.99	0.870	-60.5	240.5197	17.8218	20.99	0.599	1.58	22.99	20.88	0.57	1.08	23.05
868	25.29	0.844	12.9	240.5197	17.8947	18.22	0.200	2.28	21.74	18.22	0.20	1.62	21.26
869	22.42	0.609	11.5	240.5202	17.4694	19.04	0.213	2.74	23.25	19.03	0.21	4.23	23.96
870	13.73	0.734	62.7	240.5205	17.4513	19.12	0.218	1.53	20.56	19.24	0.22	0.71	19.32
871	16.53	0.876	-2.0	240.5211	17.4096	19.98	0.407	1.89	23.31	19.98	0.41	2.23	23.71
872	15.29	0.907	-54.1	240.5221	17.4519	20.17	0.438	1.71	23.12	20.21	0.44	1.69	23.35
873	14.49	0.897	-19.9	240.5234	17.2986	20.13	0.317	2.18	22.95	20.14	0.31	1.80	22.90
874	13.45	0.769	68.0	240.5242	17.6466	19.67	0.272	2.15	23.36	19.66	0.26	2.81	23.56
875	16.63	0.765	22.8	240.5244	17.5379	18.89	0.201	1.74	22.66	18.93	0.20	1.23	20.47
876	11.14	0.953	-23.8	240.5246	17.7444	19.62	0.265	2.09	23.06	19.60	0.26	2.95	23.63
877	12.91	0.641	-18.7	240.5255	17.5669	19.77	0.280	2.03	20.61	19.76	0.27	2.96	23.81
878	10.30	0.821	19.9	240.5260	18.2012	19.90	0.396	1.42	22.43	19.90	0.39	1.22	22.33
879	37.00	0.730	-5.6	240.5265	17.3759	17.81	0.168	4.11	22.94	17.81	0.17	4.71	23.17
880	21.00	0.817	-17.8	240.5271	18.3066	18.93	0.269	1.73	21.96	18.93	0.27	1.29	21.47
881	23.25	0.891	27.0	240.5274	17.8404	18.99	0.277	3.01	22.90	18.99	0.27	4.20	24.10
882	11.41	0.597	-12.2	240.5280	17.2999	20.54	0.368	1.85	23.07	20.52	0.36	2.35	24.05
883	17.67	0.766	-65.2	240.5284	17.6264	19.36	0.245	2.47	23.38	19.35	0.24	2.60	23.00
884	12.50	0.816	88.3	240.5285	17.3954	20.06	0.312	1.94	18.35	20.05	0.30	1.48	22.25
885	14.01	0.838	-88.9	240.5285	18.1123	18.56	0.231	0.88	20.07	18.64	0.24	0.50	19.14
886	28.02	0.904	68.9	240.5286	17.4675	18.21	0.155	3.66	23.01	18.25	0.15	3.34	22.43
887	24.61	0.667	38.0	240.5286	17.3054	19.02	0.210	2.88	23.45	19.01	0.21	3.27	23.24
888	14.54	0.890	-28.8	240.5297	17.3211	19.49	0.251	1.95	19.97	19.48	0.25	1.44	21.53

889	21.38	0.548	1.5	240.5310	17.8284	17.76	0.129	3.02	23.03	17.76	0.13	4.79	22.85
890	12.85	0.829	87.2	240.5316	18.0848	19.92	0.299	2.11	22.72	19.91	0.29	2.83	23.87
891	62.39	0.418	46.1	240.5326	17.8276	17.23	0.131	3.18	21.54	17.32	0.14	4.76	22.70
892	12.86	0.939	-0.0	240.5335	18.3184	19.82	0.382	1.34	22.24	19.82	0.38	0.98	21.76
893	58.93	0.447	-50.8	240.5336	17.8968	16.10	0.079	2.33	19.85	16.10	0.08	2.12	19.72
894	20.09	0.700	-65.3	240.5336	17.4522	19.53	0.341	1.65	22.54	19.53	0.34	1.59	22.53
895	11.41	0.915	-15.8	240.5348	17.6840	19.71	0.280	1.84	22.77	19.77	0.27	0.92	20.63
896	15.86	0.817	25.9	240.5349	17.7914	20.22	0.451	1.95	22.87	20.53	0.50	1.95	23.98
897	19.33	0.836	14.2	240.5354	17.8217	19.17	0.297	2.23	22.51	19.17	0.30	1.82	22.47
898	12.77	0.688	19.7	240.5358	18.0897	19.93	0.300	1.94	22.09	19.92	0.29	2.09	23.04
899	18.87	0.908	74.3	240.5360	17.5239	19.19	0.227	2.49	22.93	19.44	0.24	1.64	21.84
900	13.17	0.906	28.4	240.5362	17.6904	20.10	0.429	1.75	22.69	20.38	0.47	0.74	21.71
901	12.07	0.834	-81.3	240.5367	17.4854	20.01	0.412	1.81	23.02	20.01	0.41	1.56	22.96
902	22.05	0.803	77.2	240.5370	17.8777	18.97	0.274	2.38	22.44	18.97	0.27	2.03	22.50
903	13.48	0.859	89.6	240.5374	17.5757	19.48	0.253	2.13	23.21	19.47	0.25	2.60	23.13
904	23.05	0.748	-86.1	240.5377	17.5018	19.59	0.350	2.14	22.94	19.58	0.35	1.94	23.02
905	17.68	0.795	31.4	240.5377	17.9351	19.05	0.215	2.10	21.59	19.09	0.21	1.20	20.59
906	16.12	0.910	14.5	240.5381	18.3070	20.14	0.435	1.95	23.39	20.14	0.43	2.43	24.07
907	11.26	0.662	88.2	240.5385	18.2436	20.07	0.311	1.67	22.24	20.12	0.31	1.18	21.71
908	15.95	0.838	77.2	240.5385	17.8501	19.75	0.285	2.36	23.28	19.73	0.27	3.74	24.43
909	13.77	0.962	4.1	240.5400	17.9080	19.81	0.298	2.19	23.51	19.99	0.30	1.37	21.97
910	18.38	0.929	-58.0	240.5404	18.0995	18.89	0.265	1.92	21.98	18.89	0.26	1.23	21.33
911	14.09	0.903	75.5	240.5408	17.5255	19.67	0.272	2.26	23.55	19.66	0.26	2.81	23.56
912	13.52	0.727	-68.4	240.5426	18.1872	20.64	0.390	1.97	23.40	20.62	0.37	2.66	24.51
913	14.99	0.503	-86.5	240.5434	18.1447	19.88	0.292	2.03	19.90	19.87	0.28	2.96	23.94
914	28.62	0.457	73.5	240.5444	17.3262	19.70	0.275	2.71	20.37	19.69	0.27	5.01	25.18
915	11.75	0.657	11.7	240.5445	17.4477	20.43	0.358	1.87	20.66	20.41	0.35	2.95	24.55
916	28.05	0.896	-84.3	240.5459	17.8155	18.42	0.218	2.78	22.24	18.40	0.21	2.08	21.99
917	34.49	0.522	14.8	240.5460	17.4520	18.53	0.228	2.54	22.47	18.53	0.23	2.77	22.74
918	12.39	0.847	-28.9	240.5463	17.9237	19.95	0.303	2.09	21.97	19.90	0.29	2.80	23.83
919	10.60	0.763	-12.3	240.5464	17.8549	19.58	0.349	1.33	21.85	19.57	0.35	0.75	20.94
920	10.89	0.754	1.1	240.5464	17.4932	20.12	0.430	1.09	22.06	20.12	0.43	0.69	21.30
921	18.91	0.871	68.2	240.5465	17.5479	18.70	0.187	1.95	19.78	18.95	0.20	0.76	19.17

922	19.44	0.551	-68.4	240.5466	18.3027	19.82	0.284	2.32	22.07	19.81	0.28	3.88	24.61
923	17.10	0.837	32.1	240.5480	17.7650	19.74	0.374	2.12	22.83	19.74	0.37	2.82	23.99
924	12.91	0.569	24.2	240.5481	17.7810	20.57	0.388	1.87	22.01	20.53	0.36	2.43	24.16
925	14.75	0.923	6.2	240.5487	17.4800	20.79	0.555	1.66	23.38	20.82	0.55	1.60	23.83
926	19.94	0.457	-58.5	240.5494	17.7782	19.26	0.231	2.34	23.20	19.25	0.23	3.60	23.77
927	14.40	0.973	41.9	240.5494	17.7167	19.68	0.364	1.88	22.56	19.68	0.36	1.66	22.77
928	18.19	0.611	-56.4	240.5495	17.6699	19.79	0.291	2.38	22.52	19.77	0.28	3.17	24.02
929	14.62	0.971	22.1	240.5496	17.8510	19.79	0.381	1.99	22.72	19.79	0.38	1.96	23.25
930	14.64	0.782	85.0	240.5501	17.5705	20.09	0.322	2.20	22.63	20.08	0.31	2.82	24.05
931	16.79	0.893	0.2	240.5505	18.1511	20.14	0.437	2.06	22.98	20.15	0.43	1.78	23.39
932	11.83	0.703	-10.5	240.5505	18.1511	20.09	0.427	1.72	22.89	20.07	0.42	1.87	23.43
933	15.04	0.893	63.4	240.5509	17.5575	20.55	0.508	1.81	23.35	20.55	0.50	2.46	24.50
934	13.57	0.961	32.9	240.5509	17.6755	20.07	0.425	1.75	22.70	20.07	0.42	1.25	22.55
935	18.64	0.728	-77.6	240.5514	18.0376	19.68	0.364	2.02	22.67	19.68	0.36	2.14	23.32
936	25.00	0.680	-68.1	240.5514	18.0376	19.47	0.337	2.40	22.78	19.47	0.33	3.08	23.91
937	12.62	0.771	-0.8	240.5518	17.5751	20.15	0.435	1.69	22.94	20.15	0.43	1.59	23.15
938	13.88	0.547	-13.5	240.5518	17.7647	20.12	0.325	1.93	22.81	20.11	0.31	1.87	22.96
939	11.38	0.897	20.0	240.5524	18.2930	20.08	0.312	2.01	20.51	20.09	0.31	2.21	23.40
940	23.74	0.725	-1.8	240.5525	17.8032	18.22	0.201	1.85	21.28	18.25	0.20	1.16	20.57
941	14.31	0.865	3.3	240.5526	17.7604	17.71	0.124	2.48	23.30	17.64	0.12	3.31	21.70
942	14.64	0.936	46.5	240.5529	17.8143	19.75	0.375	2.15	22.91	19.75	0.37	2.61	23.83
943	10.98	0.798	84.6	240.5530	17.6886	19.38	0.242	1.67	22.94	19.37	0.24	1.07	20.59
944	10.60	0.812	-52.0	240.5533	17.6754	19.74	0.278	1.88	23.39	19.73	0.27	2.26	23.04
945	19.60	0.813	88.1	240.5534	17.9468	19.62	0.357	2.39	22.98	19.62	0.35	2.89	23.92
946	16.96	0.891	44.5	240.5536	17.7513	20.29	0.464	2.07	22.96	20.29	0.46	1.91	23.69
947	15.00	0.969	51.8	240.5543	17.3290	19.87	0.291	2.30	19.25	19.86	0.28	1.82	22.60
948	35.27	0.830	47.4	240.5553	17.6778	18.11	0.192	3.16	22.36	18.11	0.19	3.21	22.64
949	22.12	0.755	27.3	240.5560	17.8693	19.21	0.302	2.48	22.65	19.25	0.30	2.12	22.87
950	17.36	0.889	72.7	240.5561	17.5275	20.02	0.416	2.07	23.27	20.02	0.41	2.52	24.02
951	22.99	0.739	0.6	240.5564	17.8023	18.33	0.162	2.64	22.28	18.33	0.16	2.16	21.32
952	16.29	0.648	-18.1	240.5564	17.4064	19.67	0.270	2.24	22.51	19.66	0.26	3.20	23.92
953	42.85	0.708	-66.3	240.5565	18.0047	17.95	0.179	3.14	22.11	17.96	0.18	2.22	21.69
954	26.67	0.681	-56.0	240.5567	17.3403	18.80	0.193	2.90	22.46	18.79	0.19	2.59	22.35

955	11.50	0.631	-56.1	240.5569	18.1365	20.97	0.440	1.75	22.32	20.93	0.42	2.26	24.42
956	35.50	0.922	60.8	240.5574	17.4642	18.42	0.218	3.75	23.27	18.42	0.22	4.92	23.88
957	14.60	0.748	89.4	240.5574	17.8208	20.11	0.432	1.89	22.86	20.29	0.46	2.11	23.91
958	14.17	0.983	-41.4	240.5577	17.6911	19.48	0.336	1.82	22.38	19.48	0.33	1.35	22.12
959	21.18	0.721	1.8	240.5578	17.6775	18.73	0.190	2.62	22.48	18.72	0.19	2.29	21.93
960	10.65	0.819	66.8	240.5588	17.7656	19.96	0.406	1.68	22.69	19.96	0.40	1.73	23.15
961	17.64	0.970	84.4	240.5595	17.7694	19.11	0.290	2.28	22.49	19.11	0.29	1.74	22.30
962	13.23	0.669	-52.3	240.5600	17.4854	21.70	0.592	1.82	21.69	21.30	0.47	1.91	24.39
963	24.01	0.648	-2.8	240.5604	17.5368	18.49	0.172	2.08	23.00	18.59	0.18	1.14	19.88
964	58.32	0.498	-62.1	240.5611	17.5066	17.70	0.160	4.53	22.98	17.70	0.16	6.68	23.82
965	13.77	0.592	-88.3	240.5616	17.6421	19.73	0.279	1.96	22.97	19.71	0.27	1.54	21.98
966	11.17	0.745	40.0	240.5621	17.5213	19.70	0.273	1.84	23.01	19.63	0.26	1.51	21.83
967	15.46	0.831	4.1	240.5621	17.8332	19.84	0.388	2.09	22.87	19.84	0.38	3.07	24.26
968	15.68	0.881	-63.8	240.5628	17.3862	20.77	0.550	1.70	23.52	20.72	0.54	2.12	24.35
969	17.23	0.944	-43.9	240.5629	17.7688	19.14	0.225	2.53	22.63	19.29	0.23	1.85	21.99
970	12.70	0.934	1.7	240.5638	18.3012	19.89	0.291	2.16	18.56	19.87	0.28	2.58	23.57
971	26.17	0.845	-87.5	240.5639	17.8613	17.82	0.169	2.51	21.64	17.82	0.17	2.07	21.39
972	16.64	0.863	-36.8	240.5639	18.1338	19.71	0.369	2.14	22.93	19.71	0.37	2.76	23.91
973	14.16	0.828	-0.8	240.5644	18.0079	20.11	0.431	1.86	22.87	20.11	0.43	2.48	24.08
974	11.66	0.844	-7.8	240.5646	17.5819	18.86	0.260	0.86	20.36	18.85	0.26	0.54	19.52
975	16.61	0.861	16.8	240.5647	17.9590	19.63	0.358	2.25	22.88	19.63	0.35	2.59	23.70
976	36.41	0.674	24.9	240.5647	17.9592	19.01	0.280	3.29	22.95	19.00	0.28	5.60	24.74
977	26.90	0.765	-27.1	240.5651	18.0618	18.19	0.198	2.59	21.98	18.19	0.20	2.11	21.81
978	15.24	0.839	-1.3	240.5661	17.9369	19.51	0.256	2.24	22.84	19.49	0.25	2.83	23.40
979	12.96	0.917	-62.8	240.5663	17.9115	20.21	0.449	1.86	22.79	20.22	0.44	2.82	24.46
980	11.82	0.836	-41.6	240.5680	17.5677	20.62	0.520	1.56	23.21	20.62	0.52	2.36	24.48
981	17.85	0.908	85.4	240.5687	17.8281	19.37	0.323	2.26	22.67	19.37	0.32	3.15	23.86
982	14.58	0.719	-13.3	240.5695	17.8362	19.73	0.283	2.23	22.91	19.72	0.27	3.32	24.09
983	15.16	0.850	-70.1	240.5697	17.9594	20.15	0.439	2.04	23.00	20.15	0.43	2.63	24.25
984	19.04	0.928	-12.6	240.5697	18.2064	19.24	0.305	2.26	22.65	19.28	0.31	1.88	22.64
985	24.68	0.725	-86.3	240.5704	17.7933	18.73	0.248	2.57	22.46	18.73	0.25	3.30	23.31
986	12.54	0.798	-6.9	240.5720	17.8501	19.65	0.269	2.08	20.46	19.64	0.26	2.98	23.70
987	24.12	0.653	-27.4	240.5728	18.3101	19.16	0.222	2.88	23.34	19.15	0.22	3.63	23.68

988	16.23	0.918	23.4	240.5733	17.9932	20.24	0.454	2.14	23.05	20.57	0.51	1.68	23.69
989	17.06	0.912	-72.6	240.5741	17.7926	19.09	0.219	2.49	23.33	19.08	0.21	2.76	22.85
990	22.77	0.823	-54.8	240.5755	18.0236	18.47	0.222	2.05	21.71	18.47	0.22	1.39	21.18
991	34.61	0.653	77.7	240.5761	18.1027	17.09	0.123	2.67	21.08	17.09	0.12	2.30	20.90
992	9.58	0.854	-27.3	240.5774	17.3293	19.16	0.219	1.14	22.62	19.15	0.22	0.75	19.37
993	12.56	0.582	-81.9	240.5776	17.4479	19.72	0.273	1.76	21.28	19.70	0.27	1.27	21.44
994	10.82	0.871	2.9	240.5777	17.3064	20.11	0.314	1.92	22.48	20.07	0.31	2.35	23.54
995	22.62	0.861	78.2	240.5780	17.7947	18.52	0.227	2.67	22.38	18.52	0.23	2.38	22.40
996	24.48	0.868	22.9	240.5785	17.6914	18.21	0.199	2.21	21.70	18.21	0.20	1.64	21.28
997	15.93	0.798	-61.0	240.5790	17.4934	20.26	0.455	1.80	23.32	20.26	0.45	2.52	24.27
998	28.46	0.754	80.8	240.5790	17.9817	18.84	0.260	2.92	22.73	18.84	0.26	2.70	22.99
999	10.30	0.782	29.3	240.5794	17.3909	20.54	0.503	1.27	22.88	20.54	0.50	1.07	22.68
1000	14.97	0.787	89.4	240.5803	18.2617	19.72	0.369	1.51	22.33	19.72	0.37	1.02	21.75
1001	18.23	0.825	45.4	240.5808	17.5573	19.71	0.368	2.07	23.02	19.71	0.37	2.13	23.35
1002	25.92	0.692	35.7	240.5808	17.6911	18.13	0.150	2.99	22.85	18.13	0.15	2.49	21.49
1003	20.80	0.872	77.0	240.5814	17.7943	18.67	0.186	2.85	23.35	18.67	0.18	3.04	22.64
1004	19.52	0.805	57.2	240.5816	18.0770	19.57	0.350	2.36	22.91	19.56	0.34	2.61	23.63
1005	14.76	0.891	-63.6	240.5822	18.0146	18.84	0.259	1.06	20.64	18.84	0.26	0.57	19.62
1006	17.53	0.946	-88.2	240.5830	18.2358	19.79	0.380	2.19	23.11	19.98	0.41	2.01	23.48
1007	11.30	0.727	24.3	240.5837	17.6726	19.38	0.247	2.41	23.58	19.51	0.25	1.41	21.51
1008	17.49	0.698	-12.6	240.5839	17.7156	19.51	0.260	2.38	22.56	19.50	0.25	2.79	23.36
1009	16.05	0.883	-78.2	240.5840	18.1401	19.45	0.332	1.94	22.45	19.45	0.33	1.31	22.04
1010	18.86	0.891	-43.1	240.5851	18.2026	19.18	0.298	2.21	22.63	19.18	0.30	2.50	23.17
1011	22.77	0.756	-3.5	240.5853	17.6015	18.93	0.206	2.92	23.12	18.92	0.20	3.56	23.36
1012	32.54	0.924	-27.8	240.5855	18.0269	17.56	0.151	3.39	22.02	17.56	0.15	2.91	21.88
1013	11.66	0.838	86.9	240.5856	17.5491	20.20	0.444	1.51	22.76	20.22	0.44	1.17	22.55
1014	17.93	0.900	-15.4	240.5865	17.8810	19.00	0.278	2.21	22.37	19.00	0.28	1.81	22.29
1015	11.99	0.907	35.3	240.5872	17.9049	19.16	0.222	1.78	23.72	19.16	0.22	1.05	20.30
1016	16.48	0.983	48.7	240.5879	17.6406	19.67	0.362	2.25	23.04	19.67	0.36	2.62	23.75
1017	13.63	0.873	52.1	240.5881	17.5808	19.42	0.328	1.27	21.67	19.42	0.33	0.74	20.77
1018	13.37	0.737	12.2	240.5882	17.8627	19.44	0.330	1.57	22.05	19.43	0.33	0.98	21.39
1019	22.53	0.663	86.3	240.5890	17.7736	19.21	0.302	2.43	22.65	19.21	0.30	2.14	22.86
1020	10.94	0.793	80.9	240.5894	17.8215	20.41	0.483	1.65	22.84	20.41	0.48	1.57	23.38

1021	20.87	0.882	-34.9	240.5896	17.7802	18.72	0.247	2.34	22.20	18.71	0.24	1.91	22.11
1022	12.68	0.628	28.0	240.5901	18.0468	19.51	0.253	1.84	23.05	19.73	0.27	1.58	22.08
1023	19.42	0.970	-35.4	240.5903	17.8733	18.81	0.256	2.19	22.14	18.79	0.25	1.54	21.72
1024	10.99	0.990	85.6	240.5911	18.2072	20.03	0.416	1.64	22.78	20.03	0.41	1.36	22.68
1025	16.91	0.899	84.8	240.5912	17.8989	19.24	0.306	2.09	22.43	19.24	0.30	1.63	22.30
1026	15.75	0.759	66.7	240.5913	18.2181	20.12	0.319	2.18	23.17	20.14	0.31	1.33	22.07
1027	11.84	0.684	56.0	240.5919	17.7322	19.82	0.287	1.95	22.50	19.81	0.28	2.69	23.61
1028	15.63	0.927	-87.0	240.5922	17.7730	19.32	0.239	2.41	20.10	19.31	0.23	2.17	22.46
1029	19.48	0.853	51.7	240.5922	17.9759	19.73	0.372	2.33	22.89	20.07	0.42	1.31	22.65
1030	12.21	0.884	-15.0	240.5923	17.8349	19.03	0.211	1.70	22.30	19.02	0.21	1.04	20.12
1031	15.53	0.983	-74.6	240.5923	17.7706	19.59	0.352	2.06	22.61	19.59	0.35	1.61	22.61
1032	13.37	0.845	37.5	240.5924	17.7997	19.16	0.222	2.03	22.95	19.15	0.22	1.79	21.74
1033	20.13	0.870	-28.3	240.5929	17.7799	18.60	0.181	2.72	22.49	18.70	0.18	2.22	21.83
1034	23.74	0.697	76.6	240.5930	18.0176	19.49	0.339	2.42	22.77	19.47	0.33	2.98	23.84
1035	10.48	0.943	-40.1	240.5930	17.7016	19.93	0.301	1.91	20.20	19.85	0.28	2.40	23.34
1036	14.08	0.881	-47.3	240.5935	17.8182	19.69	0.366	1.71	22.29	19.84	0.38	0.76	21.25
1037	70.93	0.726	-57.3	240.5954	18.1282	15.83	0.070	7.18	22.05	15.83	0.07	7.98	22.33
1038	10.52	0.861	68.6	240.5954	17.7699	19.78	0.283	1.91	22.99	19.78	0.28	1.73	22.36
1039	14.77	0.782	-23.5	240.5956	17.8343	19.72	0.370	2.09	22.90	19.72	0.37	3.46	24.40
1040	16.16	0.967	-15.0	240.5966	17.9729	18.75	0.190	2.40	21.51	18.75	0.19	1.82	21.34
1041	30.41	0.716	75.1	240.5968	18.1869	18.56	0.231	2.81	22.54	18.56	0.23	2.62	22.65
1042	15.69	0.872	62.4	240.5968	17.5194	20.28	0.458	1.87	23.31	20.28	0.46	2.53	24.29
1043	12.89	0.828	21.9	240.5969	17.7162	19.90	0.299	2.08	22.89	19.89	0.29	2.09	23.01
1044	15.20	0.942	32.4	240.5971	17.8962	19.73	0.371	2.04	22.79	19.73	0.37	1.96	23.18
1045	13.29	0.846	-36.4	240.5975	17.7890	19.86	0.391	1.79	22.61	20.03	0.41	1.18	22.39
1046	13.82	0.766	69.8	240.5983	17.6066	19.34	0.317	1.22	21.48	19.34	0.32	0.69	20.54
1047	11.54	0.733	32.5	240.5989	17.8268	19.69	0.273	1.81	22.47	19.68	0.27	1.22	21.31
1048	15.79	0.816	-46.3	240.6002	17.6302	19.40	0.248	2.13	22.72	19.42	0.24	2.01	22.37
1049	23.55	0.757	-55.6	240.6004	18.1661	18.33	0.210	1.81	21.41	18.33	0.21	1.28	20.86
1050	11.50	0.753	-80.6	240.6010	17.7887	20.08	0.319	1.88	23.28	20.07	0.31	1.43	22.18
1051	9.30	0.826	85.1	240.6012	17.8855	20.31	0.464	1.65	22.98	20.36	0.47	2.00	23.87
1052	10.73	0.836	-54.4	240.6017	17.7434	19.76	0.279	2.01	20.10	19.75	0.27	2.51	23.35
1053	50.73	0.790	-33.6	240.6024	18.2662	15.63	0.064	2.52	19.62	15.63	0.06	2.29	19.42

1054	22.96	0.799	39.1	240.6032	17.5776	19.15	0.294	2.49	22.84	19.18	0.30	2.23	22.91
1055	16.45	0.771	33.6	240.6034	18.2978	19.60	0.261	2.33	23.18	19.59	0.26	3.00	23.66
1056	12.75	0.750	1.4	240.6037	17.6450	20.06	0.422	1.69	22.82	20.06	0.42	1.78	23.31
1057	30.79	0.964	33.2	240.6038	17.9639	17.94	0.178	3.34	22.30	17.94	0.18	3.06	22.36
1058	15.90	0.767	-85.0	240.6041	17.6796	19.77	0.377	2.05	22.96	19.77	0.37	2.99	24.15
1059	16.00	0.827	61.5	240.6048	17.7744	19.85	0.390	2.14	22.92	19.85	0.39	2.22	23.57
1060	13.99	0.851	-58.8	240.6059	17.8125	19.94	0.404	1.91	22.74	19.94	0.40	1.35	22.59
1061	16.45	0.604	20.9	240.6061	17.6796	19.80	0.286	2.22	23.36	19.79	0.28	2.78	23.68
1062	19.16	0.869	3.4	240.6078	17.4656	18.50	0.171	1.89	23.00	18.50	0.17	1.27	20.06
1063	13.22	0.823	-41.2	240.6082	17.8425	19.58	0.350	1.63	22.19	19.58	0.35	0.99	21.56
1064	13.11	0.759	30.8	240.6083	17.9358	19.80	0.382	1.77	22.63	19.80	0.38	1.57	22.78
1065	10.52	0.847	-72.6	240.6101	17.7909	19.86	0.391	1.69	22.64	19.86	0.39	1.61	22.89
1066	14.34	0.862	81.6	240.6104	17.8506	20.13	0.435	1.98	22.92	20.13	0.43	2.32	23.96
1067	27.49	0.837	86.6	240.6108	17.8706	18.53	0.228	3.04	22.60	18.53	0.23	3.16	23.02
1068	14.06	0.649	55.7	240.6116	18.1743	20.19	0.444	1.83	23.06	20.19	0.44	1.86	23.54
1069	15.66	0.921	56.6	240.6121	17.7717	19.75	0.375	2.16	22.90	19.75	0.37	2.99	24.13
1070	15.01	0.589	60.3	240.6130	17.5387	20.31	0.345	1.94	22.98	20.29	0.33	3.05	24.51
1071	12.17	0.900	61.6	240.6144	17.3755	19.59	0.350	1.64	22.75	19.59	0.35	1.69	22.72
1072	46.36	0.925	-57.1	240.6145	17.8517	16.95	0.095	5.63	21.07	16.96	0.09	6.55	22.80
1073	14.28	0.685	16.7	240.6147	18.0503	20.14	0.326	2.07	22.78	20.12	0.31	3.02	24.29
1074	13.27	0.716	-34.9	240.6151	17.6154	20.06	0.313	2.04	20.57	20.05	0.30	2.80	24.00
1075	13.78	0.780	-43.2	240.6151	18.2305	20.04	0.418	1.62	22.72	20.38	0.47	0.72	21.67
1076	12.55	0.993	-57.2	240.6155	17.5309	20.32	0.464	1.61	23.01	20.32	0.46	2.46	24.26
1077	11.48	0.872	23.5	240.6156	18.2621	19.65	0.358	1.19	21.83	19.65	0.36	0.76	21.04
1078	13.20	0.865	67.9	240.6157	17.7149	20.24	0.342	2.04	23.16	20.17	0.32	1.87	23.04
1079	60.60	0.929	-51.4	240.6161	17.3387	15.88	0.060	7.59	20.37	15.89	0.06	9.56	22.61
1080	15.51	0.915	-48.2	240.6165	17.6368	19.67	0.361	2.13	22.98	19.66	0.36	2.00	23.15
1081	26.60	0.633	27.8	240.6168	17.5704	18.90	0.203	3.03	23.13	18.89	0.20	3.32	23.15
1082	12.24	0.770	-14.3	240.6169	17.7591	20.32	0.351	1.85	21.66	20.33	0.34	2.01	23.41
1083	11.90	0.740	3.4	240.6173	18.0614	19.99	0.410	1.47	22.30	20.25	0.45	0.57	21.01
1084	16.33	0.798	-25.9	240.6178	17.8921	19.22	0.229	2.02	23.37	19.33	0.23	0.84	19.89
1085	20.54	0.666	62.1	240.6186	17.4267	20.22	0.447	1.85	23.53	20.22	0.44	3.40	24.87
1086	12.55	0.683	-31.1	240.6187	17.9782	20.46	0.492	1.72	23.05	20.46	0.49	2.23	24.19

1087	15.40	0.782	88.8	240.6189	17.8279	20.26	0.457	1.87	22.83	20.25	0.45	1.67	23.37
1088	11.73	0.660	-18.4	240.6189	17.9436	20.38	0.356	1.84	23.36	20.36	0.34	2.25	23.75
1089	19.19	0.705	-78.7	240.6195	17.4452	19.16	0.294	1.13	21.39	19.16	0.29	0.94	21.03
1090	16.39	0.879	34.2	240.6198	18.0694	20.30	0.465	2.07	22.96	20.30	0.46	2.20	24.00
1091	13.88	0.929	20.8	240.6199	17.5155	20.54	0.505	1.71	23.27	20.52	0.50	2.87	24.81
1092	10.83	0.894	54.0	240.6203	17.8133	19.98	0.409	1.79	22.80	19.98	0.41	2.39	23.86
1093	29.64	0.562	-16.4	240.6210	18.0987	17.48	0.146	2.59	21.42	17.48	0.15	2.95	21.82
1094	21.41	0.690	-16.7	240.6211	17.9074	19.79	0.382	2.32	22.99	19.79	0.38	3.42	24.46
1095	20.41	0.728	-34.7	240.6216	17.8026	19.28	0.237	2.62	23.60	19.27	0.23	2.87	23.17
1096	11.06	0.761	-26.1	240.6220	17.9291	19.77	0.280	1.95	22.92	19.75	0.27	3.27	24.08
1097	19.63	0.857	13.1	240.6223	18.0747	18.87	0.263	1.76	21.80	18.87	0.26	1.09	21.05
1098	37.85	0.887	-34.4	240.6230	17.9320	17.93	0.178	4.21	22.80	17.93	0.18	5.00	23.42
1099	19.42	0.751	-13.8	240.6233	17.4501	19.67	0.361	1.68	22.72	19.67	0.36	1.60	22.68
1100	18.76	0.751	44.3	240.6242	17.9469	19.95	0.406	2.11	22.93	19.95	0.40	2.20	23.66
1101	16.46	0.857	41.8	240.6243	18.2647	19.81	0.382	1.70	22.59	19.87	0.39	1.08	22.02
1102	37.30	0.822	-71.1	240.6243	18.0996	16.84	0.110	3.22	21.25	16.84	0.11	3.47	21.53
1103	15.58	0.936	-71.8	240.6245	17.7978	19.23	0.304	1.49	21.64	19.42	0.33	0.54	20.06
1104	15.26	0.943	-28.1	240.6247	17.8793	19.77	0.377	2.05	22.76	19.76	0.37	2.14	23.40
1105	13.66	0.963	-27.1	240.6249	18.1403	19.97	0.408	1.94	22.82	19.96	0.40	1.48	22.81
1106	12.19	0.786	17.3	240.6249	17.7757	19.75	0.280	1.82	22.97	19.74	0.27	1.12	21.15
1107	15.04	0.949	-55.2	240.6251	17.3304	19.67	0.267	2.43	23.37	19.69	0.27	2.66	23.45
1108	17.87	0.809	72.5	240.6252	17.8879	19.50	0.339	2.21	22.76	19.52	0.34	2.07	23.09
1109	15.55	0.717	89.9	240.6257	17.6138	19.37	0.242	1.90	23.08	19.36	0.24	1.04	20.49
1110	21.20	0.792	81.5	240.6259	17.4223	18.48	0.170	2.92	23.81	18.48	0.17	2.89	22.29
1111	17.52	0.915	-24.4	240.6264	17.7901	19.24	0.306	1.82	22.10	19.61	0.35	0.60	20.50
1112	14.70	0.852	-57.1	240.6269	17.7968	20.16	0.440	2.01	22.97	20.16	0.43	2.17	23.84
1113	16.35	0.766	44.2	240.6295	17.3568	20.43	0.357	2.29	22.37	20.41	0.35	3.67	25.15
1114	11.08	0.871	65.6	240.6300	17.5441	20.54	0.504	1.61	23.35	20.54	0.50	2.03	24.08
1115	29.85	0.631	67.0	240.6303	17.6517	18.08	0.188	2.90	22.24	18.08	0.19	3.01	22.47
1116	11.24	0.761	-85.0	240.6305	17.6195	20.42	0.482	1.67	23.26	20.42	0.48	2.70	24.57
1117	18.85	0.781	-49.8	240.6308	17.9204	19.62	0.355	2.29	23.01	19.61	0.35	4.03	24.63
1118	36.65	0.460	69.1	240.6319	17.6517	18.09	0.148	3.37	23.43	18.09	0.14	3.22	22.15
1119	22.00	0.644	89.1	240.6324	17.8221	18.50	0.225	1.12	20.44	18.50	0.22	0.62	19.46

1120	9.73	0.551	23.6	240.6329	17.3050	20.03	0.307	1.97	23.31	20.17	0.32	1.04	21.42
1121	13.11	0.912	-50.3	240.6340	18.1685	19.65	0.266	2.09	22.79	19.64	0.26	1.63	22.06
1122	16.59	0.863	38.5	240.6341	17.8639	19.88	0.394	2.08	22.83	20.21	0.44	1.26	22.70
1123	10.24	0.963	21.3	240.6344	18.2055	20.28	0.336	1.84	21.84	20.25	0.33	1.82	23.05
1124	24.32	0.755	-52.5	240.6355	17.8743	18.53	0.228	2.41	22.15	18.53	0.23	1.87	21.88
1125	14.72	0.777	15.7	240.6359	17.7631	20.30	0.464	1.81	22.83	20.67	0.52	0.82	22.22
1126	13.04	0.934	89.4	240.6368	18.1567	20.11	0.429	1.77	22.88	20.05	0.42	1.73	23.23
1127	16.15	0.795	29.9	240.6370	17.3789	19.97	0.300	2.23	20.04	19.96	0.29	2.90	23.99
1128	13.57	0.801	53.4	240.6372	17.8188	20.19	0.444	1.78	22.75	20.19	0.44	1.49	23.05
1129	13.46	0.920	29.8	240.6383	18.0936	19.56	0.347	2.02	22.75	19.56	0.34	2.98	23.93
1130	15.30	0.816	40.2	240.6393	18.1396	20.02	0.309	2.26	23.49	20.00	0.30	3.06	24.19
1131	11.58	0.901	10.0	240.6398	17.9061	19.70	0.273	1.68	23.22	19.62	0.26	0.97	20.61
1132	17.90	0.913	61.5	240.6410	17.8424	19.56	0.347	2.32	22.87	19.56	0.34	2.46	23.51
1133	23.63	0.810	-43.1	240.6410	18.0548	18.15	0.194	2.23	21.66	18.15	0.19	1.81	21.43
1134	15.92	0.860	-14.7	240.6411	17.6103	20.09	0.427	2.03	23.19	20.09	0.42	2.27	23.86
1135	22.55	0.716	56.1	240.6415	18.1275	19.11	0.291	2.56	22.67	19.11	0.29	3.24	23.66
1136	13.54	0.711	-63.7	240.6416	17.5366	20.31	0.463	1.69	23.24	20.31	0.46	2.22	24.04
1137	11.63	0.876	7.2	240.6419	18.1958	19.89	0.291	2.11	23.13	19.88	0.29	2.65	23.66
1138	22.70	0.975	-35.4	240.6423	17.7872	16.42	0.075	1.55	23.63	16.49	0.08	1.27	17.75
1139	27.93	0.820	-87.2	240.6430	17.9711	18.34	0.163	3.46	21.93	18.34	0.16	4.30	23.21
1140	13.84	0.738	40.2	240.6432	17.7727	20.24	0.454	1.64	22.65	20.42	0.48	0.67	21.53
1141	18.51	0.726	51.4	240.6435	18.3083	20.01	0.305	2.48	23.19	20.00	0.30	3.77	24.75
1142	22.70	0.791	-20.2	240.6447	17.8440	18.31	0.160	2.33	23.30	18.30	0.16	1.41	20.12
1143	16.56	0.882	60.7	240.6455	17.8848	19.19	0.226	2.53	23.17	19.19	0.22	3.57	23.68
1144	20.57	0.893	-53.6	240.6459	17.6276	19.29	0.312	2.34	22.79	19.33	0.31	1.86	22.67
1145	15.23	0.847	54.1	240.6467	17.9277	20.05	0.421	2.02	23.03	20.05	0.42	3.11	24.50
1146	13.08	0.825	12.3	240.6495	18.1425	19.83	0.386	1.87	22.80	19.88	0.39	1.70	23.02
1147	11.40	0.832	-50.4	240.6496	17.3003	20.68	0.387	1.90	21.99	20.66	0.38	2.78	24.67
1148	15.74	0.498	7.7	240.6496	17.8770	20.74	0.415	1.94	23.44	21.03	0.43	1.74	23.82
1149	19.42	0.765	6.2	240.6500	17.7626	19.81	0.384	2.26	22.95	19.77	0.37	2.86	24.05
1150	39.92	0.566	39.4	240.6501	18.2921	18.52	0.227	3.30	23.01	18.55	0.23	3.90	23.50
1151	20.22	0.636	88.7	240.6503	18.3563	19.56	0.346	1.33	22.08	19.56	0.34	1.07	21.70
1152	11.94	0.856	-72.1	240.6512	17.3209	19.42	0.242	1.59	23.86	19.41	0.24	1.03	20.54

1153	23.68	0.736	-71.7	240.6512	17.6806	18.96	0.209	2.49	20.39	19.18	0.22	0.92	19.95
1154	33.51	0.518	-83.6	240.6523	17.7907	19.08	0.287	2.86	22.80	19.08	0.28	3.26	23.63
1155	14.54	0.579	41.8	240.6536	17.6760	19.90	0.297	2.11	20.10	19.89	0.29	3.15	24.14
1156	24.97	0.860	24.4	240.6542	17.5348	19.33	0.316	2.67	23.35	19.33	0.31	3.80	24.22
1157	13.11	0.864	-7.0	240.6544	17.9510	18.67	0.183	1.42	20.22	18.66	0.18	0.95	19.45
1158	15.06	0.696	-45.8	240.6545	17.9312	19.31	0.234	2.25	20.93	19.30	0.23	3.27	23.57
1159	23.79	0.602	86.0	240.6548	17.7902	18.95	0.207	2.86	22.17	18.94	0.20	4.18	23.83
1160	18.06	0.756	35.6	240.6551	17.9054	19.45	0.333	2.03	22.60	19.48	0.33	1.61	22.51
1161	15.42	0.917	7.5	240.6565	18.1754	19.39	0.242	2.19	20.94	19.38	0.24	1.84	22.08
1162	15.15	0.731	-72.3	240.6571	17.8161	20.13	0.434	1.96	23.04	20.17	0.44	2.75	24.36
1163	13.34	0.986	-75.4	240.6579	18.3396	20.04	0.417	1.50	22.78	20.04	0.41	1.23	22.48
1164	16.80	0.831	-42.5	240.6579	18.3655	19.84	0.386	1.67	22.88	19.90	0.39	1.41	22.64
1165	18.62	0.955	56.4	240.6584	17.8929	19.41	0.328	2.46	22.97	19.38	0.32	2.74	23.56
1166	13.97	0.630	-79.4	240.6595	17.7557	19.30	0.234	1.76	22.37	19.29	0.23	2.12	22.36
1167	12.85	0.814	-48.6	240.6597	18.0726	20.65	0.395	1.99	22.36	20.87	0.41	1.99	24.00
1168	19.48	0.801	20.9	240.6601	17.8112	18.55	0.176	2.06	20.62	18.55	0.17	1.21	19.97
1169	12.17	0.629	50.4	240.6604	18.1665	20.08	0.313	1.96	23.15	20.07	0.31	2.31	23.49
1170	8.71	0.939	-31.4	240.6605	18.3887	19.44	0.330	0.68	20.57	19.47	0.33	0.44	19.70
1171	16.46	0.930	6.9	240.6619	17.6322	19.84	0.387	1.77	22.66	19.84	0.38	1.17	22.18
1172	19.81	0.535	-32.3	240.6623	17.6547	19.33	0.241	2.43	22.40	19.32	0.23	3.80	24.00
1173	18.21	0.730	77.6	240.6626	17.3060	18.95	0.203	1.74	22.92	18.94	0.20	1.20	20.41
1174	14.92	0.019	36.3	240.6640	17.7472	19.85	0.290	1.81	21.66	19.84	0.28	2.01	22.86
1175	13.51	0.702	-47.9	240.6648	17.7627	19.27	0.232	1.75	22.19	19.26	0.23	1.11	20.57
1176	22.60	0.872	-25.8	240.6667	17.5906	19.39	0.324	2.50	23.16	19.38	0.32	3.22	23.92
1177	22.63	0.671	-46.1	240.6675	17.5264	18.81	0.194	2.91	21.56	18.81	0.19	3.54	23.22
1178	29.32	0.656	-81.9	240.6679	18.0071	17.60	0.153	3.12	22.00	17.60	0.15	3.35	22.22
1179	15.67	0.940	-68.5	240.6682	18.1791	19.58	0.261	2.24	22.46	19.64	0.26	1.60	22.00
1180	13.68	0.890	-69.4	240.6690	18.1381	20.08	0.426	1.83	22.85	20.05	0.42	2.20	23.76
1181	14.51	0.753	-36.4	240.6697	17.9516	20.09	0.428	1.84	22.88	20.09	0.42	1.62	23.14
1182	9.54	0.823	6.6	240.6705	17.5796	19.80	0.380	1.03	21.65	19.80	0.38	0.66	20.91
1183	17.05	0.909	74.4	240.6711	17.6848	19.32	0.240	2.50	22.25	19.65	0.26	1.55	21.93
1184	11.61	0.595	70.7	240.6721	17.9518	20.16	0.326	1.88	22.12	20.15	0.32	2.88	24.19
1185	11.58	0.935	47.4	240.6725	17.4213	20.32	0.464	1.43	22.96	20.37	0.47	1.17	22.71

1186	19.17	0.945	78.4	240.6737	17.7591	18.33	0.210	1.82	21.46	18.33	0.21	3.51	23.05
1187	15.77	0.919	23.1	240.6738	17.7692	20.30	0.464	2.00	23.01	20.30	0.46	2.01	23.81
1188	14.15	0.915	-83.4	240.6748	17.8176	18.91	0.202	1.66	20.87	18.93	0.20	0.86	19.50
1189	28.04	0.548	-80.9	240.6756	17.7589	18.09	0.148	3.30	21.85	18.09	0.14	4.04	22.76
1190	18.27	0.778	35.0	240.6766	18.3285	20.12	0.430	1.89	23.35	20.12	0.43	2.59	24.18
1191	13.40	0.607	54.3	240.6769	17.8258	20.04	0.321	2.01	22.49	20.01	0.30	2.59	23.74
1192	11.47	0.851	40.2	240.6770	17.6961	19.90	0.298	2.01	23.29	19.98	0.30	1.18	21.56
1193	17.47	0.861	-47.3	240.6784	18.1311	19.31	0.236	2.54	21.34	19.27	0.23	2.44	22.73
1194	14.93	0.813	43.8	240.6807	18.2207	20.64	0.527	1.77	23.22	20.64	0.52	3.05	25.06
1195	10.39	0.775	-46.8	240.6817	17.6151	20.48	0.365	1.73	22.17	20.47	0.35	2.37	24.02
1196	15.13	0.849	-36.1	240.6819	17.3071	19.77	0.277	2.12	21.35	19.73	0.27	2.21	22.99
1197	23.96	0.814	-19.0	240.6824	17.6843	18.17	0.195	2.69	22.19	18.17	0.19	2.64	22.27
1198	31.85	0.665	-17.4	240.6836	17.6840	18.00	0.143	3.47	22.23	18.04	0.14	3.32	22.16
1199	19.51	0.821	-7.0	240.6843	17.9454	19.06	0.216	2.47	22.81	19.06	0.21	3.31	23.32
1200	13.45	0.820	66.5	240.6855	17.4808	19.65	0.266	2.05	22.52	19.64	0.26	2.22	22.89
1201	10.51	0.761	74.2	240.6856	17.8093	20.47	0.493	1.68	23.05	20.46	0.49	2.27	24.24
1202	16.51	0.822	-56.1	240.6863	17.3981	19.92	0.399	1.77	23.21	19.92	0.40	1.97	23.39
1203	25.60	0.905	-1.4	240.6870	17.3668	18.63	0.180	3.29	22.98	18.62	0.18	3.84	23.23
1204	59.47	0.659	34.7	240.6877	17.3044	16.78	0.087	5.81	23.51	16.79	0.09	6.16	22.43
1205	41.64	0.732	-16.2	240.6877	17.6113	17.92	0.139	4.43	23.26	17.92	0.14	6.36	23.81
1206	17.01	0.943	-79.0	240.6878	17.6687	19.26	0.233	2.53	22.31	19.25	0.23	3.05	23.32
1207	10.65	0.730	-25.1	240.6884	18.0730	20.81	0.418	1.74	23.13	20.73	0.39	2.85	24.83
1208	15.21	0.700	84.0	240.6886	17.9454	19.61	0.266	2.20	22.81	19.60	0.26	3.47	24.07
1209	17.66	0.839	38.0	240.6893	18.3045	19.92	0.399	2.08	23.32	19.92	0.40	2.51	23.92
1210	19.54	0.692	2.5	240.6895	17.7937	18.98	0.209	2.28	22.56	18.97	0.20	1.70	21.40
1211	10.83	0.701	-22.7	240.6902	18.0642	20.63	0.522	1.44	22.81	20.61	0.51	1.09	22.80
1212	21.46	0.888	54.9	240.6907	18.2209	19.02	0.211	2.95	22.63	19.02	0.21	3.25	23.23
1213	11.53	0.724	-35.0	240.6909	17.3844	20.28	0.335	1.90	22.09	20.26	0.33	3.05	24.48
1214	8.99	0.916	72.0	240.6914	17.3964	19.76	0.275	1.39	23.18	19.75	0.27	0.80	20.24
1215	24.52	0.784	-11.4	240.6915	17.9676	18.80	0.255	2.66	22.62	18.80	0.25	2.31	22.61
1216	10.19	0.919	-20.7	240.6917	17.7716	20.07	0.316	1.90	21.32	20.03	0.30	2.08	23.17
1217	10.41	0.787	-88.7	240.6936	17.5014	19.13	0.217	1.34	22.00	19.12	0.21	0.88	19.77
1218	16.12	0.778	-23.6	240.6942	18.1264	19.46	0.249	2.40	22.58	19.44	0.24	3.24	23.71

1219	18.28	0.726	85.6	240.6958	17.7568	19.31	0.238	2.32	19.86	19.30	0.23	3.18	23.48
1220	16.78	0.890	60.0	240.6965	18.1402	19.47	0.335	2.02	22.58	19.58	0.35	1.27	22.10
1221	24.06	0.872	-74.8	240.6967	17.6298	19.39	0.324	2.59	23.12	19.49	0.33	2.52	23.49
1222	16.86	0.820	-74.6	240.6972	18.2751	20.12	0.430	1.83	23.13	20.12	0.43	1.70	23.27
1223	12.02	0.748	-68.0	240.6978	17.4377	19.19	0.223	1.48	21.88	19.19	0.22	0.92	19.97
1224	11.54	0.785	-42.2	240.6979	17.5271	19.35	0.237	1.28	22.98	19.35	0.23	0.64	19.15
1225	16.51	0.808	40.6	240.6979	17.4668	19.52	0.254	2.48	20.90	19.51	0.25	4.13	24.44
1226	13.14	0.815	30.7	240.6980	18.1230	20.03	0.417	1.79	22.88	20.03	0.41	2.46	23.98
1227	9.85	0.939	33.9	240.6980	17.5661	20.31	0.462	0.99	21.99	20.30	0.46	0.59	21.17
1228	15.69	0.765	-37.8	240.6984	17.5540	20.34	0.468	1.80	23.46	20.34	0.46	2.91	24.65
1229	12.66	0.879	-1.0	240.6985	18.0165	20.18	0.441	1.84	23.03	20.18	0.44	2.55	24.20
1230	39.72	0.383	79.6	240.6991	17.8596	18.40	0.168	3.45	22.14	18.42	0.16	4.98	23.70
1231	13.49	0.827	54.5	240.7012	17.8388	18.78	0.252	1.00	20.53	18.78	0.25	0.60	19.67
1232	50.20	0.571	37.4	240.7013	17.3033	17.78	0.130	5.00	21.68	17.78	0.13	7.59	24.13
1233	11.49	0.830	37.5	240.7036	17.9910	19.49	0.251	1.59	22.49	19.51	0.25	0.90	20.28
1234	10.05	0.955	-85.6	240.7038	17.9077	20.10	0.427	1.53	22.58	20.09	0.42	1.07	22.23
1235	21.94	0.673	69.7	240.7050	18.1313	18.27	0.204	1.55	21.05	18.27	0.20	1.15	20.57
1236	29.26	0.713	5.9	240.7055	17.3753	18.50	0.171	3.36	22.56	18.50	0.17	3.48	22.81
1237	21.17	0.789	-89.6	240.7057	18.3052	19.44	0.329	1.93	22.68	19.44	0.33	1.72	22.60
1238	11.85	0.990	47.3	240.7058	18.2869	20.23	0.329	2.05	22.78	20.22	0.32	2.50	23.88
1239	15.03	0.814	-56.4	240.7059	17.7430	19.72	0.370	1.72	22.46	19.72	0.37	1.13	21.98
1240	17.41	0.812	-28.2	240.7060	17.8446	19.61	0.354	2.04	22.71	19.61	0.35	2.70	23.76
1241	15.11	0.910	-25.5	240.7060	18.0552	18.64	0.238	1.00	20.42	18.69	0.24	0.57	19.47
1242	12.00	0.829	67.8	240.7070	17.5618	19.09	0.215	1.41	23.20	19.12	0.21	0.84	19.64
1243	13.85	0.899	20.5	240.7072	17.9436	20.06	0.422	1.72	22.71	20.05	0.42	1.14	22.33
1244	19.09	0.779	-85.3	240.7074	18.2424	19.42	0.327	1.98	22.65	19.42	0.33	1.65	22.49
1245	16.57	0.886	88.9	240.7074	17.8955	19.95	0.405	2.12	23.03	19.94	0.40	2.71	24.11
1246	11.17	0.889	38.6	240.7078	17.7145	16.59	0.081	1.40	22.30	16.60	0.08	1.09	17.47
1247	14.11	0.877	-32.1	240.7085	17.7786	19.11	0.221	1.76	23.41	19.11	0.21	1.08	20.31
1248	40.67	0.526	15.0	240.7088	17.3068	18.61	0.180	3.80	23.09	18.61	0.18	5.76	24.32
1249	12.20	0.740	-78.2	240.7091	17.3215	20.10	0.313	1.96	22.92	20.09	0.31	2.19	23.36
1250	20.79	0.844	85.0	240.7101	17.7874	17.39	0.140	1.32	19.88	17.39	0.14	1.04	19.47
1251	16.65	0.796	-18.1	240.7105	18.1803	20.14	0.436	1.99	23.02	20.19	0.44	1.69	23.32

1252	15.05	0.976	-1.7	240.7106	17.9708	19.45	0.250	2.40	22.71	19.44	0.24	2.51	23.01
1253	59.18	0.353	14.2	240.7112	17.9421	18.00	0.144	4.29	22.71	18.01	0.14	7.24	24.26
1254	16.52	0.830	81.7	240.7136	17.9240	19.18	0.223	2.55	22.78	19.17	0.22	3.62	23.69
1255	14.91	0.731	-1.0	240.7141	18.0041	19.99	0.410	1.72	22.72	20.21	0.44	0.96	22.12
1256	26.95	0.776	-2.3	240.7156	17.8558	19.09	0.288	2.75	22.84	19.10	0.29	2.76	23.31
1257	26.90	0.767	53.2	240.7157	18.1982	18.37	0.213	2.35	22.06	18.37	0.21	2.01	21.88
1258	14.42	0.889	-58.4	240.7159	17.5153	20.29	0.459	1.72	23.36	20.29	0.46	2.09	23.89
1259	13.72	0.821	34.3	240.7161	17.9552	19.92	0.400	1.66	22.66	19.92	0.40	2.72	24.09
1260	24.20	0.879	-44.1	240.7163	17.8875	19.17	0.297	2.84	23.07	19.17	0.30	4.22	24.29
1261	15.18	0.918	-82.5	240.7165	18.0214	19.89	0.394	2.07	23.03	19.89	0.39	2.76	24.08
1262	59.23	0.398	-57.1	240.7172	17.9720	17.42	0.143	4.23	22.36	17.42	0.14	4.54	22.70
1263	38.28	0.469	31.7	240.7172	18.0566	18.32	0.162	3.66	22.34	18.32	0.16	5.23	23.74
1264	19.75	0.833	-34.8	240.7172	18.1856	19.66	0.361	2.32	23.00	19.67	0.36	2.68	23.80
1265	11.98	0.841	-37.9	240.7173	18.0939	19.59	0.261	1.59	23.08	19.71	0.27	0.81	20.23
1266	11.44	0.585	-77.2	240.7183	17.8462	19.42	0.247	1.59	23.08	19.44	0.24	1.03	20.57
1267	27.55	0.703	-37.2	240.7187	18.1820	18.41	0.217	2.39	22.04	18.41	0.22	2.15	22.07
1268	17.59	0.667	-77.6	240.7199	18.2037	20.89	0.432	2.14	23.05	21.00	0.43	2.26	24.50
1269	12.03	0.657	-87.7	240.7203	17.4613	20.32	0.342	1.87	23.18	20.58	0.37	1.16	22.18
1270	11.60	0.926	34.7	240.7204	18.0512	19.84	0.288	2.04	22.35	19.83	0.28	2.19	23.08
1271	14.74	0.803	42.6	240.7207	17.4812	19.91	0.295	2.14	22.72	19.88	0.29	1.76	22.54
1272	11.95	0.877	11.5	240.7236	18.2699	20.01	0.303	2.09	22.39	20.00	0.30	3.29	24.38
1273	19.42	0.781	-57.0	240.7240	17.8404	19.59	0.352	2.30	22.91	19.59	0.35	2.67	23.72
1274	18.03	0.764	-87.2	240.7260	17.7708	19.28	0.235	2.49	21.37	19.27	0.23	3.36	23.60
1275	26.90	0.659	84.3	240.7260	18.2446	18.88	0.263	2.24	22.36	18.88	0.26	1.83	22.19
1276	15.83	0.756	51.7	240.7261	18.1700	20.15	0.437	1.97	23.09	20.14	0.43	2.72	24.31
1277	21.25	0.754	61.5	240.7267	17.8923	18.22	0.155	3.11	22.31	18.21	0.15	3.82	22.75
1278	24.35	0.970	8.3	240.7273	17.3801	18.01	0.183	2.44	21.96	18.01	0.18	2.27	21.78
1279	18.34	0.846	26.1	240.7280	17.7083	18.82	0.197	2.56	22.63	18.82	0.19	4.72	24.02
1280	36.90	0.746	34.9	240.7281	17.7343	17.85	0.171	3.71	22.55	17.85	0.17	4.04	22.88
1281	13.79	0.932	-22.3	240.7284	18.2381	20.54	0.506	1.76	23.19	20.58	0.51	2.14	24.23
1282	12.92	0.981	47.0	240.7286	18.2359	19.39	0.241	2.47	22.27	19.38	0.24	2.63	23.06
1283	26.03	0.870	-25.9	240.7287	18.1615	18.18	0.197	2.32	21.82	18.18	0.20	1.77	21.41
1284	34.33	0.499	72.5	240.7288	17.5186	18.51	0.226	1.91	21.85	18.51	0.22	1.91	21.91

22.88	3.85	0.18	17.96	22.47	3.45	0.179	17.96	18.1204	240.7290	-17.5	0.736	36.71	1285
23.69	2.90	0.27	19.70	22.58	2.04	0.274	19.71	17.7122	240.7295	82.0	0.777	11.86	1286
20.92	1.44	0.20	18.95	22.20	1.71	0.199	18.90	17.2966	240.7298	-23.1	0.897	15.41	1287
23.22	2.08	0.35	19.63	22.97	2.30	0.358	19.64	18.1277	240.7301	-68.5	0.858	19.05	1288
24.73	4.15	0.27	19.75	21.24	2.39	0.277	19.76	18.3082	240.7317	75.9	0.539	22.28	1289
20.52	0.53	0.39	19.90	21.35	0.84	0.395	19.90	17.5352	240.7322	41.5	0.825	8.98	1290
20.69	1.01	0.24	18.68	21.24	1.44	0.242	18.68	18.0173	240.7329	-81.6	0.974	15.41	1291
23.86	1.65	0.55	20.78	23.43	1.46	0.550	20.78	17.3992	240.7332	67.1	0.918	12.17	1292
23.89	2.72	0.30	20.02	20.87	1.99	0.305	20.03	17.3877	240.7345	20.6	0.950	10.56	1293
23.20	1.80	0.40	19.92	22.86	1.91	0.400	19.92	18.1023	240.7348	-70.8	0.953	14.84	1294
23.31	1.36	0.52	20.64	23.07	1.66	0.531	20.66	17.9695	240.7349	-25.3	0.643	11.77	1295
20.87	2.53	0.12	17.56	22.99	3.23	0.119	17.56	17.6073	240.7353	13.6	0.789	30.36	1296
24.32	5.68	0.23	18.56	23.49	3.64	0.230	18.56	17.4333	240.7368	-2.7	0.771	41.46	1297
23.87	3.01	0.27	19.76	22.54	2.28	0.278	19.77	17.3102	240.7378	-6.3	0.703	16.98	1298
23.14	2.34	0.27	19.73	22.86	2.03	0.282	19.75	17.7802	240.7381	38.4	0.599	15.18	1299
19.41	0.49	0.27	18.95	20.25	0.78	0.270	18.95	18.0399	240.7389	6.5	0.827	8.60	1300
20.74	0.69	0.34	19.54	21.71	1.24	0.345	19.55	17.9527	240.7389	-28.6	0.920	10.94	1301
21.54	1.11	0.31	19.31	21.99	1.45	0.313	19.31	17.5523	240.7393	42.5	0.944	16.52	1302
22.82	2.41	0.27	18.91	22.62	2.36	0.267	18.91	18.2544	240.7393	66.6	0.875	23.14	1303
23.39	3.63	0.20	18.90	21.41	2.96	0.204	18.91	17.7083	240.7394	-76.8	0.919	21.13	1304
22.76	1.62	0.37	19.72	22.76	1.88	0.370	19.72	18.2307	240.7394	-61.4	0.893	17.42	1305
24.11	2.13	0.49	20.47	23.54	1.64	0.494	20.48	17.4210	240.7396	-39.4	0.948	15.46	1306
21.82	2.12	0.20	18.19	21.15	1.67	0.197	18.19	18.2075	240.7397	29.2	0.939	19.58	1307
21.45	0.99	0.33	19.49	21.82	1.31	0.337	19.49	18.2147	240.7399	-57.7	0.807	13.29	1308
19.35	0.52	0.25	18.75	20.20	0.84	0.249	18.75	18.0067	240.7403	27.6	0.870	10.00	1309
24.51	3.41	0.39	19.86	23.02	2.33	0.392	19.86	17.9153	240.7409	-71.1	0.744	21.17	1310
23.81	2.40	0.33	20.25	23.19	1.92	0.337	20.27	18.1218	240.7409	-86.1	0.727	10.64	1311
23.86	2.58	0.31	20.12	22.61	2.08	0.319	20.14	18.2213	240.7434	19.8	0.709	12.84	1312
23.64	1.89	0.45	20.27	23.00	1.66	0.456	20.27	18.0951	240.7439	62.1	0.901	9.96	1313
23.44	2.57	0.32	19.39	23.15	2.50	0.312	19.30	17.5489	240.7455	-15.8	0.876	22.44	1314
23.23	2.08	0.31	20.09	23.19	1.87	0.322	20.11	17.8071	240.7461	59.1	0.860	10.44	1315
22.41	1.07	0.45	20.28	22.80	1.36	0.464	20.32	17.4103	240.7461	-4.5	0.963	12.58	1316
21.26	1.44	0.22	19.24	20.65	1.84	0.229	19.25	18.0035	240.7464	41.3	0.860	11.54	1317

1318	14.09	0.782	70.2	240.7465	17.5368	19.86	0.290	2.10	22.26	19.93	0.29	1.86	22.75
1319	20.86	0.688	-76.8	240.7465	17.8812	19.69	0.366	2.34	23.03	19.69	0.36	3.22	24.22
1320	14.47	0.857	-0.9	240.7468	17.5413	18.75	0.189	1.59	22.37	18.75	0.19	1.20	20.19
1321	15.39	0.892	-22.5	240.7476	17.4067	20.28	0.458	1.78	23.36	20.30	0.46	1.76	23.52
1322	22.64	0.938	-47.9	240.7480	18.0087	19.24	0.234	2.93	22.59	19.13	0.22	2.59	22.74
1323	15.51	0.612	-3.3	240.7488	18.1389	20.23	0.450	1.82	23.06	20.23	0.45	2.32	24.05
1324	10.92	0.952	-39.1	240.7491	18.1289	19.92	0.399	1.65	22.67	19.97	0.40	1.47	22.81
1325	18.21	0.611	-7.8	240.7493	18.2161	20.01	0.306	2.26	22.56	19.99	0.30	2.41	23.53
1326	14.11	0.872	-9.6	240.7495	18.2356	19.46	0.332	1.38	21.94	19.46	0.33	1.03	21.52
1327	12.01	0.647	11.6	240.7499	18.0965	20.27	0.338	1.95	22.01	20.26	0.33	3.11	24.52
1328	14.40	0.639	69.5	240.7502	17.9368	20.31	0.349	2.06	22.78	20.30	0.33	2.32	23.77
1329	13.36	0.525	24.9	240.7503	17.9043	20.10	0.319	1.94	22.96	20.09	0.31	2.62	23.86
1330	13.70	0.762	-7.2	240.7505	17.9924	20.09	0.426	1.91	23.11	20.09	0.42	3.33	24.69
1331	14.41	0.891	39.9	240.7509	17.8265	20.03	0.416	1.94	22.98	19.97	0.40	2.81	24.20
1332	11.02	0.653	36.5	240.7510	18.0224	20.05	0.419	1.65	22.88	20.05	0.42	2.62	24.13
1333	15.47	0.688	-70.9	240.7511	17.5605	20.48	0.494	1.61	23.31	20.78	0.55	2.25	24.53
1334	27.70	0.806	-87.2	240.7511	17.4300	18.95	0.205	3.29	23.00	19.08	0.21	3.60	23.58
1335	9.34	0.907	-74.4	240.7512	17.8556	20.40	0.479	1.53	22.83	20.60	0.51	1.06	22.71
1336	17.51	0.776	3.6	240.7524	18.1414	19.84	0.388	2.05	22.86	20.00	0.41	1.63	23.05
1337	17.63	0.944	-22.8	240.7525	18.2278	19.10	0.287	1.65	21.89	19.22	0.30	0.99	21.20
1338	13.30	0.924	-32.5	240.7535	17.7695	19.26	0.232	2.21	21.79	19.47	0.25	1.53	21.68
1339	21.88	0.621	57.3	240.7539	18.2613	19.53	0.341	1.43	22.06	19.53	0.34	0.94	21.39
1340	16.80	0.781	-25.9	240.7542	17.3889	20.64	0.524	1.62	23.56	20.64	0.52	2.38	24.52
1341	26.30	0.844	-34.6	240.7542	18.1554	19.06	0.284	2.90	22.94	19.06	0.28	2.77	23.27
1342	16.52	0.500	14.6	240.7544	18.3038	20.11	0.314	2.17	21.95	20.10	0.31	3.45	24.62
1343	15.15	0.838	71.2	240.7549	17.4197	20.15	0.322	2.17	22.36	20.14	0.31	3.19	24.46
1344	11.97	0.786	7.1	240.7555	17.6575	19.57	0.259	1.86	22.84	19.54	0.25	1.84	22.27
1345	14.83	0.984	-24.0	240.7556	18.1260	19.63	0.356	2.08	22.97	19.62	0.35	3.38	24.27
1346	15.16	0.634	46.3	240.7563	17.3554	20.58	0.375	2.03	20.68	20.56	0.37	2.92	24.70
1347	12.48	0.915	-68.0	240.7568	17.7414	20.27	0.458	1.80	22.96	20.34	0.46	1.41	23.08
1348	16.31	0.765	-73.6	240.7569	18.1993	19.83	0.287	2.35	20.47	19.82	0.28	4.04	24.74
1349	15.54	0.756	-32.5	240.7579	17.6398	19.78	0.377	2.04	23.13	19.78	0.37	2.61	23.85
1350	12.53	0.920	-4.3	240.7583	17.8578	19.92	0.400	1.78	22.76	19.92	0.40	2.52	23.92

1351	16.58	0.773	49.3	240.7588	18.2215	20.84	0.567	1.86	23.29	20.98	0.59	2.00	24.48
1352	12.77	0.875	-38.2	240.7592	17.8240	20.21	0.448	1.86	22.93	20.21	0.44	1.73	23.40
1353	21.79	0.669	55.2	240.7594	18.0923	19.59	0.351	2.08	22.80	19.57	0.35	2.41	23.47
1354	15.69	0.862	-46.7	240.7597	17.4781	19.50	0.253	2.14	22.57	19.51	0.25	1.57	21.80
1355	17.41	0.669	-35.0	240.7599	17.6445	20.14	0.436	1.92	23.10	20.14	0.43	2.87	24.43
1356	9.51	0.652	5.9	240.7605	17.9815	20.00	0.411	1.10	21.86	20.01	0.41	0.60	20.90
1357	22.53	0.904	-30.9	240.7614	17.4180	19.63	0.355	2.35	23.48	19.62	0.35	3.32	24.22
1358	11.53	0.880	-75.4	240.7615	17.4381	20.22	0.329	1.97	22.65	20.29	0.33	1.89	23.19
1359	20.46	0.922	-48.2	240.7621	17.6773	18.77	0.252	1.87	21.88	18.79	0.25	1.22	21.21
1360	16.39	0.771	-49.5	240.7630	17.9016	19.44	0.249	2.32	23.32	19.41	0.24	2.69	23.16
1361	19.98	0.817	62.2	240.7636	18.2561	19.07	0.284	1.86	22.24	19.07	0.28	1.47	21.90
1362	13.65	0.682	-76.5	240.7637	18.0068	20.27	0.340	2.00	22.62	20.25	0.33	3.06	24.47
1363	17.19	0.939	-14.2	240.7641	17.4083	19.93	0.399	1.12	21.96	19.91	0.40	0.71	21.17
1364	9.85	0.937	45.3	240.7650	18.3064	20.81	0.404	1.83	21.28	20.77	0.39	2.12	24.06
1365	25.14	0.650	0.8	240.7678	17.7881	19.28	0.311	2.55	22.82	19.50	0.34	2.26	23.27
1366	21.58	0.626	65.8	240.7681	17.7844	19.10	0.220	2.70	22.04	19.09	0.21	3.08	23.16
1367	13.92	0.986	-18.6	240.7682	18.0297	20.16	0.440	1.98	23.10	20.16	0.44	1.97	23.63
1368	13.22	0.926	41.3	240.7685	18.0265	19.96	0.406	1.58	22.48	19.96	0.40	0.92	21.78
1369	17.34	0.620	10.1	240.7686	17.6131	19.71	0.276	2.30	22.42	19.70	0.27	3.99	24.56
1370	34.45	0.791	21.4	240.7704	17.5761	18.05	0.145	4.11	22.47	18.05	0.14	5.84	23.72
1371	14.65	0.675	79.3	240.7714	18.3046	20.30	0.336	2.02	22.82	20.28	0.33	2.17	23.57
1372	9.61	0.805	82.9	240.7715	17.4319	19.60	0.351	0.77	20.93	19.64	0.36	0.50	20.11
1373	14.45	0.771	-3.3	240.7719	17.9256	19.26	0.230	2.14	23.32	19.25	0.23	1.83	21.92
1374	18.17	0.800	40.6	240.7723	18.0029	19.15	0.293	1.77	22.12	19.15	0.29	1.21	21.56
1375	9.00	0.939	-32.5	240.7726	17.3946	19.57	0.346	0.79	20.95	19.57	0.35	0.54	20.23
1376	38.83	0.814	23.7	240.7728	18.0772	18.37	0.214	3.95	23.08	18.37	0.21	6.19	24.32
1377	12.77	0.886	13.2	240.7741	17.5833	19.60	0.263	2.07	20.45	19.59	0.26	1.49	21.75
1378	39.89	0.521	20.6	240.7742	17.5357	18.98	0.274	3.06	23.31	18.98	0.27	4.02	24.00
1379	10.88	0.686	-69.4	240.7761	17.7967	20.21	0.447	1.48	22.68	20.21	0.44	1.99	23.70
1380	34.43	0.967	85.7	240.7779	17.5268	18.34	0.210	3.46	22.99	18.34	0.21	4.18	23.44
1381	11.76	0.838	-41.6	240.7784	17.5504	20.11	0.428	1.08	22.02	20.12	0.43	0.67	21.24
1382	15.01	0.904	86.6	240.7799	18.2221	19.71	0.368	1.52	22.25	19.77	0.37	0.78	21.22
1383	25.85	0.750	50.6	240.7801	17.4638	17.85	0.171	2.88	22.10	17.84	0.17	2.75	22.04

1384	12.20	0.956	-57.1	240.7803	17.6158	20.35	0.352	2.04	23.57	20.34	0.34	1.91	23.28
1385	26.91	0.748	62.5	240.7818	17.4036	18.87	0.262	2.23	22.51	18.88	0.26	1.96	22.34
1386	11.84	0.744	-9.1	240.7824	18.0254	19.66	0.360	1.29	21.94	19.68	0.36	0.73	20.98
1387	17.42	0.839	-2.2	240.7828	17.5497	19.03	0.212	1.85	22.62	19.08	0.21	0.89	19.75
1388	29.46	0.925	-1.4	240.7835	18.2357	18.56	0.231	3.30	22.98	18.56	0.23	4.27	23.71
1389	13.96	0.695	-83.3	240.7843	18.0073	20.31	0.346	1.98	22.43	20.58	0.37	1.40	22.70
1390	16.23	0.882	42.3	240.7844	17.3018	19.95	0.297	2.37	23.14	19.94	0.29	2.81	23.89
1391	17.22	0.625	40.2	240.7847	18.0156	19.31	0.237	2.32	21.50	19.31	0.23	3.42	23.69
1392	34.36	0.492	-28.6	240.7856	18.2647	17.88	0.173	3.71	22.62	17.87	0.17	4.27	23.02
1393	11.14	0.829	-87.4	240.7868	17.6085	20.45	0.366	1.89	23.30	20.64	0.38	1.46	22.89
1394	40.71	0.739	75.3	240.7873	18.0770	17.22	0.131	3.31	21.71	17.22	0.13	3.27	21.79
1395	16.90	0.849	-52.7	240.7879	17.3798	20.17	0.439	1.73	23.40	20.17	0.44	2.34	24.02
1396	13.13	0.761	56.5	240.7887	17.7302	19.80	0.380	1.65	22.52	19.80	0.38	1.41	22.53
1397	27.31	0.772	-54.8	240.7891	18.2629	17.96	0.179	3.59	22.64	17.96	0.18	3.99	22.96
1398	22.03	0.924	16.5	240.7893	18.1297	18.50	0.225	2.77	22.51	18.50	0.22	2.46	22.45
1399	27.39	0.597	6.0	240.7896	18.1485	18.06	0.187	2.07	21.49	18.06	0.19	1.92	21.47
1400	10.50	0.886	-31.8	240.7900	17.7426	20.25	0.454	1.71	23.02	20.25	0.45	2.61	24.33
1401	11.27	0.784	26.3	240.7900	18.0201	19.91	0.398	1.41	22.35	20.28	0.45	0.59	21.13
1402	13.59	0.920	37.0	240.7901	18.0044	19.52	0.341	1.43	21.90	19.50	0.34	0.72	20.77
1403	16.30	0.888	-55.7	240.7907	17.7014	19.20	0.300	1.81	22.18	19.25	0.30	1.24	21.72
1404	12.83	0.807	-72.1	240.7915	17.5400	20.46	0.489	1.33	22.68	20.59	0.51	0.65	21.64
1405	30.25	0.887	31.2	240.7924	17.4720	18.97	0.273	2.99	23.31	18.97	0.27	3.71	23.81
1406	10.50	0.852	87.5	240.7936	18.1236	20.02	0.305	1.98	23.12	20.01	0.30	2.26	23.36
1407	14.37	0.808	-10.4	240.7943	17.3889	20.55	0.506	1.49	23.25	20.55	0.50	1.99	24.03
1408	14.51	0.911	-6.8	240.7945	17.8152	19.37	0.242	1.94	22.46	19.40	0.24	1.43	21.41
1409	18.06	0.862	-86.9	240.7949	17.6885	19.90	0.397	2.15	23.07	19.90	0.39	2.10	23.50
1410	14.47	0.684	76.2	240.7963	17.5895	19.76	0.278	2.19	22.37	19.75	0.27	3.11	23.94
1411	41.17	0.745	-26.7	240.7967	17.5646	18.23	0.201	3.80	23.00	18.23	0.20	4.51	23.50
1412	12.97	0.839	-2.8	240.7981	17.4701	20.27	0.454	1.41	22.83	20.27	0.45	1.10	22.47
1413	13.56	0.785	42.4	240.7999	17.5308	20.48	0.493	1.61	23.14	20.80	0.55	1.00	22.80
1414	11.30	0.862	87.2	240.8006	18.0151	20.37	0.475	1.73	23.17	20.37	0.47	2.24	24.12
1415	12.90	0.843	-29.0	240.8011	17.5525	19.77	0.277	2.25	22.78	19.75	0.27	3.49	24.26
1416	17.94	0.884	-63.3	240.8027	17.6780	18.29	0.205	1.00	20.13	18.29	0.21	0.65	19.36

1417	36.93	0.773	-80.1	240.8035	18.2171	18.74	0.249	3.24	22.93	18.70	0.24	3.14	23.18
1418	14.77	0.726	-58.2	240.8042	18.0392	20.35	0.471	1.84	23.11	20.33	0.46	2.33	24.16
1419	19.82	0.819	2.3	240.8047	18.2697	19.86	0.390	2.20	23.27	19.86	0.39	2.82	24.10
1420	12.35	0.757	-79.7	240.8051	17.4284	19.51	0.338	0.81	20.93	19.51	0.34	0.55	20.19
1421	13.58	0.812	63.4	240.8054	18.0532	20.35	0.471	1.84	23.13	20.33	0.46	2.64	24.44
1422	14.06	0.727	5.2	240.8055	18.2517	19.75	0.372	1.43	22.28	19.75	0.37	0.98	21.70
1423	11.48	0.986	86.1	240.8065	17.5171	19.91	0.397	1.06	21.72	19.90	0.39	0.62	20.85
1424	30.34	0.466	-22.9	240.8070	17.7673	18.95	0.272	2.18	22.29	18.95	0.27	2.30	22.76
1425	13.58	0.825	67.3	240.8078	17.3889	20.25	0.453	1.04	22.02	20.24	0.45	0.62	21.20
1426	21.04	0.988	28.4	240.8078	17.6658	19.16	0.295	2.70	23.02	19.16	0.29	2.74	23.34
1427	18.62	0.807	81.6	240.8082	17.3028	19.48	0.248	2.55	20.58	19.47	0.25	3.27	23.76
1428	16.92	0.929	-79.0	240.8083	17.5954	18.80	0.254	0.87	20.27	18.85	0.26	0.50	19.32
1429	15.97	0.661	84.1	240.8088	18.0720	20.45	0.364	2.04	22.33	20.67	0.38	1.85	23.57
1430	10.42	0.769	13.8	240.8089	17.9595	20.02	0.307	1.87	22.76	20.00	0.30	2.56	23.69
1431	65.63	0.373	-4.7	240.8090	17.3673	15.99	0.063	2.82	23.20	16.00	0.06	2.47	19.03
1432	17.87	0.933	-78.9	240.8090	17.7479	19.66	0.362	2.20	22.87	19.66	0.36	2.14	23.31
1433	9.61	0.889	39.8	240.8105	17.6897	20.38	0.476	1.47	22.75	20.43	0.48	0.86	22.09
1434	13.39	0.821	49.4	240.8108	18.2274	19.84	0.387	1.52	22.48	19.84	0.38	1.14	22.12
1435	16.47	0.664	-71.7	240.8112	18.3088	19.94	0.294	2.35	23.06	19.93	0.29	3.02	24.06
1436	13.43	0.880	76.1	240.8113	17.8210	20.07	0.424	1.69	22.71	20.05	0.42	1.65	23.14
1437	14.08	0.524	6.1	240.8119	17.4872	20.13	0.318	2.02	21.72	20.12	0.31	3.29	24.52
1438	12.92	0.814	49.3	240.8132	17.4603	20.22	0.446	1.10	22.26	20.22	0.44	0.74	21.57
1439	12.76	0.910	78.7	240.8152	17.8082	19.32	0.315	1.44	21.79	19.32	0.31	0.82	20.88
1440	9.86	0.959	0.5	240.8157	18.0179	20.05	0.419	1.30	22.19	20.13	0.43	0.66	21.21
1441	11.36	0.949	-76.1	240.8159	17.4654	19.56	0.346	0.87	21.14	19.71	0.36	0.51	20.25
1442	12.89	0.951	-70.1	240.8176	18.1099	19.89	0.292	2.16	22.69	19.88	0.29	2.19	23.13
1443	52.23	0.982	3.7	240.8178	17.7963	15.56	0.062	4.93	20.98	15.56	0.06	4.69	20.91
1444	20.66	0.949	10.5	240.8178	17.6320	16.50	0.095	1.37	19.15	16.51	0.10	1.11	18.74
1445	13.77	0.868	76.3	240.8180	17.6589	20.27	0.344	2.05	23.46	20.25	0.33	2.95	24.37
1446	12.37	0.779	-56.5	240.8182	17.6687	20.23	0.339	2.00	22.54	20.21	0.32	3.00	24.38
1447	12.35	0.945	-54.5	240.8184	18.0185	19.81	0.381	1.33	22.00	19.84	0.38	0.63	20.85
1448	11.02	0.930	29.2	240.8187	17.7029	19.68	0.363	1.34	22.04	19.69	0.36	0.84	21.30
1449	14.37	0.632	-80.1	240.8192	18.0095	20.06	0.313	2.05	22.50	20.04	0.30	3.88	24.88

1450	14.43	0.872	26.0	240.8195	17.4773	19.30	0.232	1.98	22.67	19.29	0.23	1.38	21.19
1451	14.12	0.904	-68.0	240.8204	17.5825	19.16	0.222	1.90	22.97	19.15	0.22	1.34	20.97
1452	12.49	0.902	72.1	240.8208	17.7609	20.40	0.480	1.77	23.00	20.41	0.48	1.91	23.81
1453	15.09	0.861	61.5	240.8209	17.6455	19.25	0.230	2.06	20.74	19.24	0.23	1.20	20.75
1454	28.49	0.563	-59.5	240.8218	17.3082	18.96	0.204	2.94	22.85	18.96	0.20	3.51	23.37
1455	10.71	0.854	79.7	240.8227	17.8475	20.19	0.442	1.16	22.08	20.21	0.44	0.60	21.10
1456	16.47	0.758	-25.0	240.8228	17.9485	20.05	0.419	1.69	22.75	19.87	0.39	2.19	23.56
1457	19.02	0.782	-89.9	240.8229	18.1545	20.08	0.426	2.03	23.09	19.96	0.40	2.16	23.63
1458	16.38	0.841	-12.0	240.8236	17.3410	19.47	0.248	2.51	22.67	19.46	0.24	2.26	22.75
1459	11.23	0.848	85.4	240.8241	17.7895	19.80	0.381	1.65	22.55	19.80	0.38	1.25	22.27
1460	23.22	0.797	-5.3	240.8244	17.7145	19.04	0.281	2.49	22.70	19.11	0.29	2.19	22.81
1461	18.60	0.908	21.1	240.8245	18.0772	19.62	0.356	2.17	22.90	19.62	0.35	2.67	23.75
1462	27.06	0.996	9.0	240.8246	17.5319	17.80	0.167	2.00	21.25	17.80	0.17	1.71	20.95
1463	27.14	0.953	34.4	240.8246	17.5319	17.83	0.170	1.95	21.22	17.83	0.17	1.63	20.89
1464	11.81	0.967	-5.6	240.8251	17.7380	19.45	0.331	1.31	21.75	19.45	0.33	0.74	20.80
1465	15.70	0.739	75.0	240.8253	17.9049	20.08	0.426	1.84	22.88	20.08	0.42	2.92	24.40
1466	28.64	0.570	8.9	240.8254	18.2962	19.60	0.352	2.40	23.28	19.60	0.35	3.33	24.20
1467	21.32	0.798	-87.5	240.8256	17.6506	19.62	0.356	2.28	23.08	19.62	0.35	3.37	24.26
1468	24.92	0.941	-16.0	240.8260	17.7321	15.82	0.070	1.85	19.12	15.82	0.07	1.59	18.82
1469	15.27	0.893	20.8	240.8263	18.2563	20.45	0.489	1.77	23.20	20.44	0.48	1.82	23.74
1470	24.62	0.770	-23.3	240.8271	18.3084	19.63	0.356	2.37	23.38	19.63	0.35	3.14	24.10
1471	12.15	0.769	-39.4	240.8281	18.1513	19.56	0.347	1.28	21.83	19.56	0.35	0.71	20.81
1472	9.68	0.971	-30.2	240.8286	17.6730	18.90	0.201	1.40	22.18	18.89	0.20	0.97	19.76
1473	12.31	0.868	54.8	240.8304	17.8186	19.29	0.233	1.96	21.12	19.28	0.23	2.13	22.37
1474	9.00	0.798	-39.9	240.8315	18.0679	19.78	0.378	1.09	21.71	19.78	0.38	0.63	20.79
1475	24.76	0.786	83.4	240.8323	18.0088	19.11	0.221	3.00	22.15	19.11	0.21	4.98	24.49
1476	13.56	0.687	56.6	240.8323	18.2058	20.87	0.419	1.95	21.52	21.02	0.43	1.54	23.48
1477	19.79	0.530	4.2	240.8324	17.4230	20.30	0.460	1.73	23.55	20.30	0.46	3.03	24.70
1478	12.02	0.830	67.5	240.8326	17.6233	19.30	0.312	0.98	21.03	19.41	0.32	0.53	20.01
1479	15.31	0.957	81.4	240.8327	17.9870	19.71	0.276	2.35	23.41	19.69	0.27	2.45	23.23
1480	11.09	0.615	-64.3	240.8337	18.0956	19.55	0.344	0.97	21.26	19.62	0.35	0.55	20.32
1481	14.12	0.522	-72.4	240.8341	17.4097	20.36	0.471	1.69	23.23	20.32	0.46	1.77	23.55
1482	9.66	0.916	76.7	240.8343	17.4536	19.04	0.280	0.76	20.37	19.07	0.28	0.51	19.62

1483	29.64	0.568	-10.0	240.8343	17.4106	18.88	0.263	2.88	23.20	18.88	0.26	3.88	23.82
1484	16.33	0.945	-68.2	240.8344	18.0521	18.80	0.254	1.16	20.86	18.79	0.25	0.66	19.89
1485	23.56	0.978	-87.8	240.8346	18.0741	19.07	0.285	2.89	23.03	19.16	0.29	2.88	23.45
1486	12.78	0.888	40.0	240.8365	17.6205	20.68	0.533	1.73	23.28	20.70	0.53	1.55	23.65
1487	13.10	0.669	-6.1	240.8367	17.6135	20.02	0.308	2.06	22.67	20.01	0.30	2.25	23.36
1488	12.33	0.718	-13.4	240.8371	17.4343	20.06	0.420	1.20	22.42	20.06	0.42	1.06	22.18
1489	30.71	0.586	31.4	240.8375	17.7237	18.03	0.185	2.81	22.11	18.03	0.18	2.90	22.34
1490	18.67	0.779	62.0	240.8380	17.9357	19.60	0.352	2.31	23.05	19.60	0.35	2.63	23.69
1491	13.15	0.938	-20.3	240.8380	18.0597	19.43	0.329	1.23	21.58	19.61	0.35	0.57	20.37
1492	21.44	0.834	7.5	240.8382	17.8451	19.07	0.218	2.92	17.70	19.07	0.21	4.60	24.24
1493	18.04	0.886	-52.6	240.8401	17.6242	18.48	0.223	1.18	20.66	18.48	0.22	0.80	19.99
1494	60.87	0.835	-65.7	240.8429	17.5853	16.89	0.113	5.92	22.73	16.89	0.11	7.44	23.24
1495	17.55	0.848	2.1	240.8431	17.5681	20.20	0.444	1.78	23.00	20.20	0.44	3.35	24.82
1496	15.88	0.821	-22.5	240.8450	17.4143	20.34	0.468	1.69	23.33	20.38	0.47	1.70	23.52
1497	12.33	0.963	-80.9	240.8467	18.0945	18.70	0.244	0.89	20.28	18.77	0.25	0.52	19.37
1498	10.98	0.922	-77.7	240.8471	18.1277	20.21	0.446	1.80	23.18	20.21	0.44	2.79	24.43
1499	36.40	0.502	-74.5	240.8479	17.6363	19.53	0.344	2.45	22.94	19.71	0.37	1.63	22.77
1500	14.33	0.518	8.3	240.8485	17.8815	19.93	0.300	2.01	22.79	19.92	0.29	2.92	23.96
1501	12.51	0.859	-33.3	240.8488	17.9332	19.95	0.301	2.09	22.83	19.93	0.29	2.50	23.55
1502	21.62	0.852	34.9	240.8497	17.8959	19.54	0.345	2.53	23.06	19.54	0.34	3.32	24.14
1503	11.54	0.807	46.1	240.8502	17.8353	19.52	0.255	1.66	22.02	19.50	0.25	0.95	20.42
1504	11.41	0.894	-49.7	240.8502	18.2570	19.99	0.409	1.14	22.06	20.26	0.45	0.52	20.83
1505	12.49	0.769	-81.3	240.8504	18.1690	19.89	0.291	1.83	20.17	19.88	0.29	1.33	21.77
1506	13.42	0.824	-56.2	240.8521	18.3340	19.90	0.395	1.17	22.06	19.92	0.40	0.77	21.34
1507	10.63	0.901	-81.8	240.8530	17.5061	20.65	0.525	1.56	23.51	20.80	0.55	1.80	24.07
1508	13.54	0.857	-79.3	240.8531	17.4436	19.65	0.357	1.26	22.07	19.65	0.36	1.01	21.67
1509	28.30	0.797	83.5	240.8531	17.5059	19.87	0.392	2.42	23.52	19.87	0.39	4.03	24.89
1510	14.28	0.924	-48.6	240.8539	17.4825	20.28	0.458	1.66	23.27	20.28	0.46	2.05	23.84
1511	13.82	0.934	10.1	240.8547	18.2193	20.76	0.549	1.61	23.07	21.04	0.60	0.75	22.40
1512	17.87	0.854	84.1	240.8553	17.9512	19.34	0.317	1.88	22.41	19.33	0.31	1.43	22.10
1513	15.63	0.912	15.4	240.8577	17.7404	20.22	0.341	2.28	22.69	20.15	0.32	1.41	22.24
1514	13.76	0.544	-73.1	240.8601	18.2043	20.02	0.414	1.50	22.55	20.02	0.41	1.15	22.32
1515	19.67	0.909	77.3	240.8609	18.0813	17.89	0.134	1.40	21.12	17.88	0.13	1.01	18.72

1516	19.45	0.926	-78.1	240.8615	17.9877	18.70	0.244	1.78	21.73	18.70	0.24	1.23	21.14
1517	11.00	0.961	-29.8	240.8620	17.4893	18.76	0.250	0.74	20.03	18.79	0.25	0.49	19.22
1518	15.61	0.826	-89.7	240.8638	18.1996	18.42	0.217	0.95	20.15	18.42	0.22	0.62	19.39
1519	10.51	0.862	22.0	240.8642	18.1045	20.67	0.531	1.56	23.05	20.86	0.56	1.11	23.08
1520	16.34	0.828	20.2	240.8643	17.6256	19.47	0.251	2.42	21.04	19.46	0.24	2.60	23.13
1521	23.92	0.730	40.5	240.8643	18.2936	18.54	0.228	1.73	21.61	18.53	0.23	1.44	21.31
1522	18.37	0.809	18.6	240.8650	18.0325	19.92	0.400	2.06	23.01	19.92	0.40	1.91	23.32
1523	32.68	0.819	-12.3	240.8668	17.4332	16.40	0.091	1.50	19.30	16.40	0.09	1.32	18.99
1524	17.61	0.859	47.6	240.8691	17.5499	19.68	0.271	2.52	21.38	19.67	0.26	3.92	24.48
1525	12.40	0.803	43.6	240.8697	18.2360	20.10	0.313	2.10	22.91	20.09	0.31	3.27	24.46
1526	14.72	0.812	50.1	240.8702	18.2134	19.77	0.278	2.31	20.18	19.75	0.27	3.07	23.91
1527	19.93	0.787	-25.6	240.8706	17.6333	20.08	0.426	1.96	22.97	20.16	0.43	1.77	23.39
1528	10.84	0.907	-64.3	240.8712	17.6018	19.51	0.339	0.95	21.22	19.61	0.35	0.55	20.30
1529	10.43	0.845	-27.8	240.8730	18.0911	19.01	0.278	0.81	20.38	19.08	0.28	0.46	19.38
1530	11.14	0.848	-7.7	240.8739	17.7309	19.71	0.273	1.67	22.59	19.68	0.27	1.01	20.78
1531	15.92	0.780	-65.8	240.8739	18.1283	20.33	0.468	1.92	23.15	20.33	0.46	2.45	24.27
1532	10.45	0.834	76.1	240.8750	17.8361	20.57	0.511	1.64	23.07	20.53	0.50	2.10	24.14
1533	31.19	0.688	25.0	240.8751	18.0654	18.94	0.270	3.09	23.13	18.94	0.27	4.43	24.16
1534	16.78	0.711	-13.4	240.8753	17.9470	19.61	0.353	1.79	22.57	19.61	0.35	3.00	23.99
1535	11.82	0.704	-6.2	240.8767	17.9729	20.56	0.376	1.90	20.53	20.55	0.36	2.60	24.37
1536	12.18	0.857	15.8	240.8769	17.4587	19.72	0.272	1.80	22.98	19.70	0.27	2.31	23.08
1537	12.15	0.879	-62.9	240.8772	18.0376	20.44	0.487	1.70	23.08	20.42	0.48	1.79	23.68
1538	14.07	0.692	33.4	240.8772	18.1904	20.27	0.456	1.67	23.06	20.26	0.45	2.50	24.25
1539	10.69	0.863	-76.0	240.8784	17.8578	19.41	0.244	1.43	20.79	19.34	0.23	0.92	20.15
1540	29.92	0.682	56.4	240.8788	18.0421	18.46	0.221	2.48	22.19	18.45	0.22	1.93	21.87
1541	25.28	0.802	-43.0	240.8793	17.3737	18.35	0.161	2.76	22.65	18.35	0.16	2.19	21.38
1542	13.43	0.949	21.3	240.8819	18.0957	20.46	0.492	1.81	23.14	20.51	0.50	1.58	23.49
1543	18.22	0.808	65.1	240.8832	18.2201	19.82	0.383	1.76	22.64	19.82	0.38	1.16	22.14
1544	10.34	0.731	61.4	240.8835	18.1719	19.53	0.342	1.06	21.42	19.63	0.35	0.58	20.45
1545	22.30	0.864	-64.2	240.8848	17.9186	17.98	0.181	1.56	20.84	17.98	0.18	1.19	20.36
1546	18.85	0.867	-70.3	240.8850	17.5145	18.90	0.265	1.41	21.59	18.90	0.26	1.14	21.19
1547	23.38	0.910	11.8	240.8851	17.4941	18.35	0.161	2.63	22.79	18.34	0.16	1.99	21.12
1548	12.82	0.863	38.6	240.8852	18.0803	19.43	0.245	1.88	19.31	19.41	0.24	1.27	21.12

1549	21.03	0.816	-25.3	240.8856	17.9287	18.95	0.271	2.09	22.29	18.95	0.27	1.64	22.02
1550	38.12	0.714	-47.7	240.8857	17.4794	16.05	0.078	3.13	20.55	16.05	0.08	3.19	20.57
1551	20.75	0.881	-75.7	240.8865	17.8957	18.59	0.233	1.74	21.57	18.59	0.23	1.44	21.37
1552	39.23	0.795	-3.7	240.8867	17.4157	17.02	0.096	5.52	22.74	17.03	0.09	5.71	22.50
1553	11.38	0.878	-71.1	240.8878	17.9952	19.07	0.213	1.37	22.84	19.07	0.21	0.86	19.65
1554	9.44	0.821	-37.7	240.8878	18.0362	19.80	0.380	0.97	21.42	19.76	0.37	0.55	20.48
1555	9.28	0.898	-40.5	240.8895	17.4438	19.57	0.347	0.69	20.70	19.60	0.35	0.45	19.84
1556	8.74	0.916	-21.6	240.8896	17.9302	19.56	0.346	1.16	21.68	19.56	0.35	0.72	20.86
1557	13.19	0.842	49.6	240.8897	17.8779	19.91	0.294	1.90	21.81	20.17	0.32	1.03	21.40
1558	40.12	0.733	-72.8	240.8901	18.1254	17.67	0.158	3.99	22.58	17.67	0.16	4.08	22.71
1559	35.13	0.780	-3.0	240.8904	18.1253	18.27	0.204	3.00	22.51	17.87	0.17	3.84	22.79
1560	10.03	0.848	-12.4	240.8905	17.8877	20.44	0.486	1.62	23.11	20.44	0.48	1.79	23.70
1561	12.73	0.834	-28.5	240.8910	17.5744	19.15	0.219	1.53	22.79	19.30	0.23	1.04	20.42
1562	18.53	0.746	-1.1	240.8910	18.0221	20.01	0.413	1.75	22.85	19.82	0.38	2.56	23.86
1563	11.10	0.836	88.8	240.8910	18.0599	19.61	0.353	1.19	21.79	19.63	0.35	0.72	20.92
1564	29.52	0.516	-79.5	240.8930	17.6753	19.34	0.317	1.96	22.38	19.33	0.32	1.14	21.62
1565	27.03	0.751	-1.2	240.8931	17.4716	18.65	0.239	2.71	22.80	18.64	0.24	2.83	22.90
1566	13.59	0.783	90.0	240.8935	17.4935	20.45	0.486	1.54	23.21	20.45	0.48	1.59	23.45
1567	22.07	0.719	-75.6	240.8935	17.4935	20.09	0.426	1.94	23.30	20.09	0.42	2.46	24.04
1568	18.76	0.929	3.4	240.8935	17.8424	18.87	0.199	2.41	21.46	18.86	0.19	1.44	20.82
1569	13.76	0.792	71.4	240.8937	17.9122	19.69	0.365	1.19	21.67	19.74	0.37	0.58	20.55
1570	30.93	0.624	-80.8	240.8939	18.1195	17.67	0.158	2.22	21.26	17.73	0.16	1.83	21.03
1571	18.77	0.736	8.5	240.8946	18.2516	19.86	0.288	2.50	21.97	19.85	0.28	4.14	24.84
1572	30.57	0.692	-8.0	240.8948	17.6054	19.30	0.312	2.85	23.34	19.30	0.31	4.29	24.45
1573	20.12	0.787	79.2	240.8955	18.0357	19.67	0.363	2.19	23.00	19.67	0.36	2.82	23.91
1574	12.68	0.865	-55.1	240.8956	17.6713	20.68	0.533	1.68	23.10	20.70	0.53	1.22	23.13
1575	17.53	0.702	61.9	240.8956	17.9696	20.02	0.416	1.85	22.95	20.01	0.41	2.71	24.17
1576	17.72	0.904	41.1	240.8981	17.9773	19.24	0.229	2.64	20.95	19.23	0.22	2.81	23.08
1577	13.12	0.875	25.7	240.8994	17.4867	20.75	0.402	2.08	20.57	20.81	0.40	1.87	23.76
1578	10.46	0.869	-89.3	240.9007	18.3288	19.03	0.279	0.72	20.25	19.07	0.28	0.46	19.38
1579	21.80	0.842	-36.0	240.9014	18.1403	18.93	0.269	1.89	22.02	18.93	0.27	1.21	21.34
1580	15.10	0.718	-69.9	240.9016	17.6418	20.50	0.499	1.75	23.28	20.85	0.56	1.93	24.27
1581	12.92	0.608	79.0	240.9017	17.5793	18.87	0.197	1.22	22.74	18.87	0.20	1.21	20.36

1582	15.72	0.796	60.7	240.9018	18.2232	19.81	0.383	1.55	22.47	19.81	0.38	1.04	21.89
1583	21.61	0.787	17.5	240.9021	17.9024	19.15	0.294	2.22	22.58	19.15	0.29	2.19	22.85
1584	11.36	0.590	57.4	240.9031	18.1268	20.04	0.417	1.68	22.76	20.01	0.41	2.23	23.75
1585	13.88	0.926	21.8	240.9032	17.7195	19.66	0.361	1.62	22.36	19.68	0.36	1.02	21.70
1586	14.26	0.935	27.7	240.9034	18.0539	19.34	0.317	1.22	21.42	19.33	0.31	0.63	20.32
1587	15.94	0.920	23.1	240.9034	17.7447	19.81	0.383	1.88	22.75	19.81	0.38	1.63	22.87
1588	13.01	0.729	-20.0	240.9036	17.7420	20.44	0.487	1.72	23.20	20.65	0.52	2.30	24.45
1589	14.34	0.921	-35.0	240.9045	17.7306	19.37	0.321	1.40	21.85	19.62	0.35	0.67	20.75
1590	12.31	0.952	-40.7	240.9046	17.4009	19.84	0.385	1.25	22.29	19.83	0.38	1.07	21.98
1591	10.67	0.658	-10.3	240.9071	17.9803	20.04	0.417	1.40	22.57	20.04	0.41	1.19	22.41
1592	9.28	0.853	-46.3	240.9080	18.0802	20.69	0.392	1.71	22.43	20.58	0.37	1.80	23.38
1593	30.70	0.496	-18.8	240.9081	17.5701	19.99	0.410	1.62	22.55	20.17	0.44	0.63	21.18
1594	10.91	0.822	79.9	240.9083	17.8106	20.33	0.344	1.88	21.65	20.32	0.34	2.80	24.30
1595	10.23	0.780	15.6	240.9085	17.9313	19.56	0.345	1.09	21.52	19.62	0.35	0.65	20.68
1596	13.11	0.700	-4.6	240.9086	17.4054	19.71	0.271	1.69	20.47	19.70	0.27	1.08	20.99
1597	21.26	0.529	-79.3	240.9111	17.8152	19.73	0.279	2.44	22.65	19.70	0.27	4.01	24.58
1598	20.14	0.869	-76.7	240.9113	18.0734	19.52	0.341	2.34	23.06	19.52	0.34	2.57	23.56
1599	13.01	0.766	30.7	240.9114	18.1977	19.49	0.337	1.19	21.73	19.49	0.34	0.85	21.12
1600	11.69	0.591	-75.6	240.9140	17.9521	20.02	0.414	1.28	22.34	20.02	0.41	0.92	21.84
1601	12.25	0.839	-87.4	240.9143	17.9124	19.09	0.286	0.99	20.88	19.23	0.30	0.53	19.82
1602	10.20	0.918	50.2	240.9147	17.4708	19.16	0.219	1.27	21.41	19.15	0.22	0.83	19.65
1603	12.91	0.915	46.7	240.9156	18.0416	19.82	0.384	1.63	22.60	19.82	0.38	1.29	22.36
1604	12.83	0.971	70.1	240.9169	17.9056	19.64	0.358	1.35	21.91	19.60	0.35	0.82	21.15
1605	13.26	0.856	-30.4	240.9176	17.7705	19.88	0.292	2.09	22.51	19.99	0.30	1.30	21.83
1606	7.12	0.467	-56.7	240.9184	17.8832	19.48	0.335	1.31	21.77	19.74	0.37	0.56	20.49
1607	18.05	0.629	-89.3	240.9186	18.2129	19.52	0.341	1.66	22.44	19.52	0.34	1.64	22.59
1608	9.46	0.862	-16.7	240.9195	17.7818	19.45	0.331	1.00	21.30	19.46	0.33	0.67	20.58
1609	11.64	0.693	6.7	240.9196	17.8886	20.66	0.528	1.55	23.06	20.65	0.52	1.24	23.11
1610	27.17	0.576	-44.1	240.9200	17.8263	19.10	0.289	2.50	22.73	19.35	0.32	1.74	22.55
1611	12.46	0.847	81.2	240.9201	18.1753	20.19	0.326	2.12	20.77	20.17	0.32	2.48	23.81
1612	10.59	0.809	86.8	240.9205	17.7056	20.14	0.320	1.89	22.43	20.12	0.31	2.83	24.11
1613	11.70	0.728	87.8	240.9210	17.6194	20.39	0.353	1.89	23.25	20.38	0.34	2.08	23.57
1614	8.32	0.816	34.0	240.9213	17.6006	19.58	0.348	0.88	21.22	19.62	0.35	0.59	20.46

1615	13.41	0.857	86.7	240.9214	17.5462	19.94	0.298	1.88	22.67	20.04	0.30	1.01	21.19
1616	12.47	0.958	15.4	240.9220	18.0153	20.30	0.462	1.76	23.15	20.30	0.46	2.12	23.93
1617	15.14	0.840	51.8	240.9225	18.1508	20.31	0.464	1.87	23.18	20.42	0.48	1.90	23.81
1618	18.07	0.744	87.5	240.9225	17.8963	18.96	0.272	1.14	21.02	18.96	0.27	0.69	20.14
1619	19.62	0.887	43.4	240.9234	17.6979	19.69	0.365	2.30	23.19	19.68	0.36	2.77	23.89
1620	18.10	0.601	61.5	240.9238	17.7516	19.58	0.261	2.36	22.81	19.56	0.25	3.90	24.34
1621	12.23	0.851	-45.7	240.9238	17.9099	19.41	0.326	1.11	21.40	19.41	0.32	0.66	20.51
1622	13.97	0.692	5.9	240.9242	17.5321	19.93	0.296	2.07	23.15	19.92	0.29	1.83	22.68
1623	16.27	0.773	24.6	240.9243	17.5970	20.24	0.451	1.88	23.36	20.23	0.45	2.27	24.00
1624	12.94	0.866	15.3	240.9252	17.7296	20.03	0.310	2.19	23.04	20.02	0.30	2.89	24.05
1625	17.46	0.949	47.2	240.9262	18.1369	20.21	0.332	2.44	22.79	20.43	0.35	3.04	24.66
1626	10.28	0.743	-45.7	240.9267	18.1825	19.48	0.336	1.61	22.26	19.50	0.34	1.12	21.74
1627	14.75	0.808	58.2	240.9272	18.1108	20.26	0.455	1.79	23.05	20.64	0.52	1.11	22.86
1628	10.18	0.724	-51.4	240.9286	17.9556	19.25	0.305	0.96	21.07	19.25	0.30	0.67	20.38
1629	22.90	0.914	88.7	240.9294	17.8820	19.18	0.297	2.61	22.98	19.16	0.29	2.88	23.45
1630	15.65	0.931	-43.1	240.9298	17.9367	19.74	0.373	1.89	22.77	19.74	0.37	1.51	22.64
1631	13.85	0.890	-25.4	240.9309	18.2272	20.45	0.488	1.69	23.29	20.44	0.48	2.00	23.94
1632	13.87	0.879	53.8	240.9311	17.5642	20.30	0.461	1.48	22.90	20.29	0.46	1.16	22.61
1633	15.36	0.918	52.8	240.9337	17.6073	19.54	0.343	1.68	22.47	19.58	0.35	1.23	22.02
1634	16.82	0.775	45.9	240.9343	17.7292	19.70	0.366	2.05	22.98	19.70	0.36	1.82	23.00
1635	16.59	0.877	-27.2	240.9354	18.1036	19.60	0.351	1.92	22.72	19.65	0.36	1.44	22.44
1636	17.59	0.703	-61.2	240.9355	17.6026	19.85	0.388	1.85	22.97	19.85	0.39	1.83	23.15
1637	12.63	0.882	85.0	240.9358	17.5370	20.61	0.517	1.59	23.41	20.61	0.51	2.12	24.23
1638	17.03	0.731	-37.9	240.9360	17.4740	18.34	0.161	2.56	22.44	18.34	0.16	2.02	21.14
1639	14.32	0.822	85.5	240.9363	17.5619	20.43	0.484	1.69	23.24	20.31	0.46	1.66	23.41
1640	15.63	0.819	67.4	240.9364	17.7665	19.91	0.397	1.61	22.63	19.58	0.35	3.33	24.19
1641	11.70	0.912	80.3	240.9367	17.9472	19.16	0.294	0.97	20.91	19.16	0.29	0.61	20.07
1642	15.05	0.693	-80.3	240.9371	18.2139	20.45	0.360	2.13	22.67	20.44	0.35	2.74	24.38
1643	12.80	0.858	88.2	240.9372	18.2352	20.00	0.411	1.28	22.30	20.00	0.41	0.83	21.59
1644	12.94	0.565	-48.7	240.9373	17.5991	20.68	0.394	1.90	21.20	20.72	0.39	1.78	23.53
1645	14.33	0.762	85.6	240.9387	17.9109	19.79	0.281	2.16	22.29	19.78	0.28	2.22	23.05
1646	32.34	0.899	-47.1	240.9388	17.9200	17.37	0.139	2.32	21.14	17.38	0.14	1.97	20.84
1647	29.29	0.580	18.2	240.9397	17.7094	18.48	0.223	2.06	21.91	18.48	0.22	1.64	21.55

1648	18.08	0.806	44.0	240.9400	17.8956	19.47	0.334	2.02	22.72	19.47	0.33	1.62	22.51
1649	12.23	0.614	-79.1	240.9407	18.1286	20.51	0.498	1.58	23.12	20.51	0.50	1.36	23.16
1650	19.47	0.791	72.0	240.9410	17.4857	19.90	0.294	2.56	20.91	19.89	0.29	3.19	24.17
1651	10.50	0.948	67.2	240.9424	17.4090	20.01	0.411	1.40	23.08	20.01	0.41	1.63	23.06
1652	11.58	0.703	-4.4	240.9427	18.0646	20.22	0.447	1.24	22.47	20.22	0.44	0.96	22.14
1653	20.47	0.836	-43.0	240.9435	17.9597	19.51	0.339	2.29	23.06	19.51	0.34	2.33	23.34
1654	19.09	0.576	6.5	240.9437	17.4629	19.69	0.270	2.39	20.92	19.68	0.26	3.44	24.13
1655	13.44	0.924	-1.2	240.9439	18.2629	20.54	0.505	1.70	23.44	20.62	0.52	2.41	24.52
1656	9.91	0.889	-17.4	240.9445	17.4780	19.98	0.407	0.77	21.33	19.99	0.41	0.51	20.53
1657	13.65	0.813	-65.4	240.9455	18.0961	20.26	0.455	1.75	22.98	20.26	0.45	2.22	23.98
1658	10.53	0.813	31.0	240.9464	17.9022	20.11	0.429	1.20	22.22	20.18	0.44	0.66	21.27
1659	9.52	0.925	53.8	240.9477	17.7042	19.71	0.366	0.92	21.28	19.76	0.37	0.52	20.35
1660	17.88	0.893	15.6	240.9478	18.1218	19.67	0.361	2.08	22.87	19.86	0.39	1.32	22.46
1661	21.58	0.940	31.8	240.9480	17.7513	16.71	0.104	1.87	20.04	16.71	0.10	1.62	19.75
1662	9.48	0.947	-66.8	240.9482	18.0381	20.66	0.389	1.82	18.68	20.60	0.37	1.94	23.63
1663	15.14	0.936	47.8	240.9483	17.9117	19.85	0.388	1.90	22.88	19.85	0.39	1.53	22.76
1664	22.02	0.790	-27.8	240.9484	18.0954	19.47	0.335	2.55	23.16	19.59	0.35	2.93	23.93
1665	21.39	0.513	31.4	240.9496	17.6831	20.17	0.439	2.07	23.38	20.15	0.43	3.17	24.65
1666	17.98	0.745	12.5	240.9503	17.7461	18.71	0.186	1.97	22.89	18.70	0.18	2.36	21.99
1667	11.50	0.835	-20.5	240.9511	17.9570	20.29	0.460	1.70	23.05	20.48	0.49	1.15	22.78
1668	15.00	0.700	-14.6	240.9512	17.8134	19.93	0.401	1.89	22.93	19.91	0.40	3.34	24.52
1669	18.63	0.820	-60.0	240.9516	17.9269	20.03	0.417	2.13	23.31	20.03	0.41	2.44	23.96
1670	10.22	0.774	-30.1	240.9518	17.5299	20.62	0.380	1.82	20.48	20.60	0.37	2.38	24.18
1671	16.73	0.963	-43.5	240.9525	17.6186	19.89	0.394	2.04	23.17	19.88	0.39	2.36	23.74
1672	10.99	0.790	57.7	240.9547	17.7456	20.01	0.412	1.55	22.67	20.00	0.41	1.30	22.56
1673	10.77	0.777	-71.5	240.9559	18.2612	19.53	0.341	0.86	21.11	19.53	0.34	0.60	20.41
1674	12.31	0.897	-83.5	240.9566	17.5071	20.42	0.481	1.62	23.50	20.42	0.48	2.23	24.16
1675	44.30	0.460	85.0	240.9567	17.5069	20.11	0.430	2.30	23.55	20.43	0.48	2.28	24.21
1676	11.93	0.829	-39.0	240.9569	17.5143	20.33	0.464	0.74	21.55	19.95	0.40	0.74	21.28
1677	19.65	0.828	76.6	240.9570	17.9103	19.27	0.309	2.26	22.85	19.27	0.31	2.40	23.17
1678	31.85	0.747	86.3	240.9573	17.5070	20.68	0.533	1.85	23.53	20.96	0.58	1.49	23.82
1679	37.95	0.656	-5.9	240.9591	17.5608	18.02	0.143	4.17	22.21	18.02	0.14	5.53	23.54
1680	15.33	0.670	-64.8	240.9592	17.5506	20.47	0.492	1.36	22.98	20.47	0.49	2.34	24.32

1681	19.07	0.856	-7.0	240.9599	18.1012	19.26	0.308	1.78	22.29	19.26	0.31	1.49	22.12
1682	11.50	0.904	-9.2	240.9608	18.2492	19.59	0.349	0.84	21.06	19.64	0.36	0.51	20.16
1683	14.65	0.924	65.9	240.9609	17.7161	19.77	0.376	1.17	21.77	19.86	0.39	0.56	20.62
1684	21.87	0.615	-59.6	240.9611	18.2367	20.71	0.540	1.90	23.49	20.69	0.53	2.58	24.74
1685	30.00	0.750	67.0	240.9632	18.2954	17.91	0.175	2.27	21.66	17.91	0.18	2.09	21.51
1686	19.96	0.817	30.4	240.9640	17.9037	18.85	0.260	1.40	21.34	18.85	0.26	0.90	20.61
1687	21.10	0.931	16.6	240.9643	17.6795	20.07	0.423	2.28	23.35	20.25	0.45	1.90	23.64
1688	8.80	0.828	70.8	240.9675	17.5198	18.95	0.270	0.68	20.03	18.98	0.27	0.43	19.11
1689	12.63	0.774	70.1	240.9680	18.1277	20.24	0.334	1.96	22.53	20.19	0.32	2.09	23.35
1690	14.46	0.917	11.1	240.9680	18.1439	19.69	0.271	2.20	20.17	19.68	0.27	1.91	22.52
1691	12.76	0.720	35.9	240.9691	17.6767	19.74	0.276	2.06	22.94	19.73	0.27	2.99	23.81
1692	14.64	0.475	-1.2	240.9695	17.6246	20.01	0.306	2.02	22.63	20.00	0.30	2.53	23.67
1693	13.59	0.925	-43.4	240.9708	17.5599	19.02	0.278	0.84	20.50	19.05	0.28	0.55	19.73
1694	10.79	0.928	55.5	240.9714	17.5571	19.93	0.400	0.97	21.76	19.97	0.40	0.67	21.08
1695	13.76	0.783	-50.0	240.9714	18.1070	19.58	0.260	2.09	21.18	19.57	0.25	2.40	23.03
1696	10.51	0.744	89.4	240.9715	18.1677	19.90	0.395	1.18	22.09	19.96	0.40	0.72	21.25
1697	25.88	0.664	66.3	240.9718	17.5688	20.52	0.503	2.05	23.50	20.61	0.51	2.77	24.82
1698	11.36	0.605	-35.4	240.9729	18.2286	19.86	0.389	0.95	21.66	19.86	0.39	0.66	20.97
1699	15.76	0.860	-12.8	240.9733	17.8878	19.27	0.232	2.01	22.48	19.40	0.24	1.03	20.50
1700	29.79	0.710	-11.7	240.9766	17.8967	19.12	0.291	3.01	23.23	19.12	0.29	4.23	24.25
1701	12.12	0.818	-60.4	240.9767	17.7562	20.35	0.471	1.25	22.33	20.42	0.48	0.53	21.04
1702	44.09	0.745	-0.3	240.9777	18.2689	17.95	0.178	4.40	23.21	17.95	0.18	5.55	23.66
1703	18.58	0.835	-7.8	240.9780	18.1058	19.22	0.228	2.55	23.19	19.21	0.22	3.07	23.30
1704	10.22	0.861	-7.5	240.9784	18.0523	20.49	0.367	1.88	20.96	20.48	0.36	2.33	23.98
1705	30.05	0.527	1.4	240.9785	17.6947	19.78	0.379	2.42	23.37	19.78	0.38	4.03	24.80
1706	13.74	0.795	-74.5	240.9789	18.1564	20.63	0.522	1.71	23.26	20.57	0.51	2.68	24.71
1707	13.16	0.742	46.5	240.9791	17.9604	20.01	0.413	1.28	22.25	20.01	0.41	0.77	21.45
1708	31.24	0.634	-18.0	240.9798	17.7283	18.95	0.271	2.52	22.64	18.95	0.27	2.12	22.57
1709	13.61	0.861	25.3	240.9803	17.8138	20.13	0.433	1.83	22.97	20.13	0.43	1.71	23.29
1710	10.21	0.897	87.5	240.9823	17.6900	19.45	0.331	0.87	20.95	19.45	0.33	0.55	20.14
1711	54.30	0.378	-42.7	240.9826	18.2945	17.87	0.172	2.82	22.11	17.87	0.17	3.30	22.46
1712	14.39	0.836	20.4	240.9826	17.8393	20.22	0.449	1.91	23.16	20.22	0.45	2.59	24.29
1713	17.44	0.586	-55.1	240.9831	17.7320	20.56	0.511	1.82	23.33	20.56	0.51	3.76	25.43

1714	11.15	0.851	-37.9	240.9845	17.8068	20.65	0.528	1.65	23.08	20.54	0.50	2.01	24.05
1715	13.77	0.925	-80.1	240.9845	17.7260	19.93	0.401	1.47	22.39	19.98	0.41	0.75	21.36
1716	14.96	0.864	82.1	240.9850	17.6624	20.08	0.424	1.27	22.12	20.11	0.43	0.59	20.95
1717	25.65	0.627	-70.0	240.9850	17.6855	19.65	0.360	2.26	23.14	19.65	0.36	2.94	23.99
1718	9.86	0.866	-5.9	240.9856	17.5011	19.95	0.402	0.93	21.67	19.95	0.40	0.63	20.95
1719	21.88	0.772	-33.6	240.9857	17.7476	19.47	0.334	2.25	22.96	19.47	0.33	2.40	23.36
1720	24.61	0.595	19.0	240.9859	18.1530	19.56	0.262	2.71	21.07	19.60	0.26	2.21	22.84
1721	13.18	0.909	-2.9	240.9861	17.9939	19.54	0.343	1.04	21.39	19.59	0.35	0.59	20.43
1722	10.15	0.813	-20.8	240.9884	17.9855	19.83	0.383	0.96	21.53	19.82	0.38	0.62	20.77
1723	15.10	0.895	-42.4	240.9895	17.8700	20.24	0.452	1.89	23.17	20.25	0.45	2.04	23.80
1724	17.55	0.761	84.6	240.9901	17.6817	20.23	0.450	1.88	23.23	20.22	0.44	1.92	23.63
1725	19.46	0.936	30.6	240.9912	17.6488	19.43	0.329	2.08	22.85	19.43	0.33	1.95	22.88
1726	10.87	0.617	4.8	240.9922	18.0192	19.69	0.363	0.88	21.24	19.69	0.36	0.56	20.44
1727	9.95	0.912	-12.4	240.9926	17.8962	20.29	0.339	1.86	22.17	20.19	0.32	1.79	22.94
1728	14.15	0.817	-67.7	240.9945	17.6429	20.60	0.517	1.73	23.38	20.60	0.51	2.22	24.33
1729	37.67	0.679	-9.9	240.9948	17.6101	17.94	0.139	4.23	22.49	17.94	0.14	5.21	23.28
1730	18.28	0.767	30.9	240.9949	17.7167	18.77	0.251	0.95	20.49	18.77	0.25	0.62	19.73
1731	14.53	0.849	61.9	240.9958	17.8921	19.58	0.261	2.04	20.47	19.56	0.25	1.30	21.35
1732	18.77	0.774	-56.4	240.9966	17.8162	19.08	0.285	1.68	21.94	19.18	0.30	1.05	21.28
1733	20.83	0.908	34.0	240.9968	17.5359	19.07	0.284	1.66	22.13	19.07	0.28	1.46	21.89
1734	26.38	0.811	52.1	240.9981	17.8264	18.41	0.217	2.76	22.45	18.41	0.22	2.53	22.42
1735	18.34	0.836	39.6	240.9982	17.7167	19.42	0.328	1.64	22.19	19.42	0.33	1.04	21.50
1736	17.47	0.732	53.0	240.9984	17.8936	19.90	0.396	2.12	23.21	19.90	0.39	3.11	24.36
1737	16.95	0.828	36.3	240.9991	17.4978	19.28	0.309	1.30	21.78	19.27	0.31	1.06	21.39
1738	15.47	0.606	-7.0	240.9995	17.6712	20.00	0.306	2.12	23.31	20.06	0.31	2.76	23.97
1739	19.23	0.859	62.4	241.0007	17.5209	18.71	0.245	0.96	20.58	18.71	0.24	6.28	24.69
1740	15.97	0.698	-49.8	241.0007	18.2278	20.51	0.498	1.69	23.49	20.51	0.49	2.69	24.65
1741	23.63	0.762	10.0	241.0007	17.5177	16.67	0.083	1.41	22.10	16.68	0.08	8.18	23.07
1742	42.40	0.680	87.9	241.0013	17.5548	18.08	0.188	3.16	22.58	18.08	0.19	3.77	22.95
1743	16.20	0.615	37.4	241.0023	18.0763	19.96	0.310	2.46	22.47	19.82	0.28	2.10	22.95
1744	21.51	0.729	78.8	241.0031	17.8413	19.25	0.306	2.23	22.76	19.25	0.30	2.19	22.94
1745	11.06	0.748	-35.0	241.0042	18.1575	20.53	0.502	1.25	22.60	20.50	0.49	0.71	21.74
1746	21.33	0.728	19.1	241.0051	18.1603	18.38	0.214	0.95	20.14	18.38	0.21	0.66	19.46

1747	25.17	0.682	24.0	241.0052	17.4773	18.92	0.202	2.92	23.08	19.10	0.21	2.20	22.25
1748	11.47	0.835	-6.4	241.0054	17.6861	20.64	0.394	1.86	21.95	20.42	0.35	1.53	22.77
1749	13.36	0.369	53.7	241.0059	17.7755	20.22	0.448	1.79	23.00	20.20	0.44	3.22	24.73
1750	26.88	0.736	-46.3	241.0064	17.6202	18.46	0.221	2.06	21.96	18.46	0.22	1.74	21.66
1751	18.63	0.973	18.0	241.0065	17.6055	19.55	0.345	2.03	22.91	19.55	0.34	1.80	22.82
1752	21.98	0.828	-89.3	241.0067	18.1290	18.00	0.182	1.82	21.25	18.00	0.18	1.58	20.99
1753	13.63	0.672	87.8	241.0069	18.0829	19.95	0.301	1.92	21.78	19.94	0.29	2.57	23.63
1754	10.49	0.678	-28.8	241.0071	17.9084	19.82	0.284	1.65	21.90	19.92	0.29	1.04	21.14
1755	14.92	0.726	-41.0	241.0072	17.7457	20.03	0.312	2.18	22.71	20.00	0.30	3.32	24.40
1756	14.82	0.700	-72.2	241.0074	18.0931	20.19	0.331	2.06	21.71	20.17	0.32	2.91	24.24
1757	25.12	0.577	-66.2	241.0075	18.1064	19.30	0.238	2.66	21.06	19.29	0.23	3.94	24.07
1758	19.25	0.387	9.1	241.0079	17.7700	19.97	0.306	2.21	21.83	19.96	0.30	3.21	24.27
1759	13.32	0.486	-1.7	241.0082	17.5022	20.07	0.310	1.92	20.62	20.05	0.30	2.68	23.89
1760	11.54	0.710	-73.8	241.0083	18.0041	20.17	0.327	1.93	21.06	20.16	0.32	2.91	24.23
1761	16.67	0.444	28.2	241.0084	18.0758	20.12	0.323	2.06	22.70	20.11	0.31	3.04	24.30
1762	18.85	0.742	68.1	241.0086	17.6810	19.62	0.355	1.99	22.94	19.62	0.35	2.01	23.13
1763	17.41	0.944	1.1	241.0088	17.7865	19.48	0.254	2.60	19.91	19.46	0.25	4.08	24.36
1764	13.61	0.868	-54.0	241.0089	17.7016	20.27	0.456	1.79	23.20	20.38	0.47	1.82	23.68
1765	10.79	0.903	-39.9	241.0090	18.0727	20.16	0.325	1.91	23.36	20.14	0.31	2.92	24.22
1766	5.95	0.803	88.2	241.0095	18.2271	18.78	0.252	0.72	19.95	18.81	0.25	0.45	19.06
1767	14.88	0.838	22.9	241.0099	17.6250	19.57	0.259	2.40	19.84	19.55	0.25	3.38	23.95
1768	27.58	0.783	47.4	241.0099	17.8140	18.75	0.193	3.30	22.45	18.75	0.19	5.75	24.47
1769	21.25	0.940	57.9	241.0106	17.8700	18.97	0.273	2.53	22.79	18.97	0.27	2.40	22.86
1770	15.19	0.770	-48.0	241.0116	17.6449	20.03	0.313	2.28	21.88	19.99	0.30	2.99	24.11
1771	15.88	0.885	-27.9	241.0124	17.6899	20.01	0.414	1.57	22.61	20.00	0.41	0.99	21.98
1772	14.75	0.841	-81.8	241.0127	18.0845	19.77	0.283	2.30	22.87	19.99	0.30	1.87	22.82
1773	26.29	0.620	-36.7	241.0129	17.9922	18.93	0.269	2.20	22.47	18.93	0.27	2.13	22.56
1774	7.44	0.950	-19.8	241.0131	17.6157	19.41	0.325	0.78	20.78	19.41	0.32	0.53	20.01
1775	15.77	0.989	-31.9	241.0144	17.8473	19.91	0.397	2.06	23.09	19.99	0.41	2.23	23.72
1776	16.10	0.865	21.7	241.0149	17.7814	19.55	0.345	1.74	22.39	19.61	0.35	1.05	21.71
1777	15.24	0.931	37.9	241.0151	17.8994	19.91	0.299	2.22	20.81	19.97	0.29	1.47	22.15
1778	12.10	0.755	-46.5	241.0159	18.2488	19.74	0.370	1.00	21.62	19.74	0.37	0.69	20.92
1779	13.60	0.855	39.4	241.0162	17.8302	19.68	0.362	1.23	21.77	19.71	0.37	0.62	20.65

1780	12.76	0.925	48.5	241.0166	18.1342	20.04	0.313	2.08	22.67	20.03	0.30	2.62	23.79
1781	20.80	0.802	-38.2	241.0167	17.8930	19.10	0.219	2.59	22.95	19.13	0.22	2.05	22.09
1782	12.76	0.691	31.8	241.0168	17.9127	20.36	0.351	1.99	21.81	20.34	0.34	3.42	24.88
1783	14.19	0.817	86.8	241.0168	17.9188	19.70	0.366	1.45	22.30	19.70	0.36	1.09	21.88
1784	15.38	0.789	39.1	241.0171	17.7742	19.73	0.278	2.29	23.25	19.71	0.27	3.63	24.33
1785	14.70	0.836	11.8	241.0178	17.7302	20.20	0.445	1.59	22.76	20.32	0.46	0.80	21.83
1786	19.45	0.836	-18.0	241.0191	17.6613	20.07	0.423	2.10	23.31	20.06	0.42	2.62	24.14
1787	34.62	0.660	-2.9	241.0197	17.8239	18.65	0.240	3.40	23.13	18.65	0.24	5.30	24.27
1788	13.24	0.791	-39.5	241.0200	17.6348	19.94	0.401	1.06	21.89	20.19	0.44	0.50	20.66
1789	7.18	0.883	-33.0	241.0235	18.2577	19.19	0.297	0.72	20.45	19.19	0.30	0.50	19.69
1790	29.53	0.982	-49.5	241.0238	17.6918	19.00	0.277	3.19	23.30	18.99	0.27	4.03	24.01
1791	12.82	0.883	37.7	241.0242	17.7693	18.60	0.234	0.84	20.05	18.60	0.23	0.52	19.19
1792	16.53	0.893	69.2	241.0247	17.6742	20.19	0.443	1.95	23.30	20.18	0.44	2.43	24.10
1793	16.94	0.864	86.9	241.0251	17.8943	20.21	0.447	1.97	23.27	20.40	0.48	1.95	23.84
1794	10.32	0.848	-73.5	241.0277	17.6587	20.73	0.541	1.44	23.19	20.77	0.55	1.13	23.03
1795	13.24	0.928	50.6	241.0284	17.9349	19.63	0.355	1.66	22.55	19.63	0.35	1.34	22.25
1796	8.46	0.942	-23.6	241.0288	17.5924	20.02	0.414	1.27	22.51	20.02	0.41	1.13	22.28
1797	18.28	0.906	-80.2	241.0290	17.5518	19.57	0.347	0.90	21.15	19.70	0.36	0.50	20.21
1798	41.10	0.385	-39.2	241.0305	17.5822	16.66	0.102	1.56	19.61	16.66	0.10	1.38	19.35
1799	10.58	0.733	-15.5	241.0326	17.9109	20.47	0.489	1.04	22.30	20.53	0.50	0.61	21.44
1800	29.41	0.698	54.7	241.0331	17.8307	17.11	0.124	2.41	20.96	17.11	0.12	2.24	20.86
1801	21.76	0.867	31.8	241.0343	17.5141	19.30	0.312	1.64	22.28	19.30	0.31	1.39	22.00
1802	19.61	0.610	-80.4	241.0358	17.6370	20.10	0.427	1.37	22.57	19.97	0.40	1.32	22.57
1803	12.03	0.675	-5.0	241.0369	18.2021	19.92	0.399	1.06	21.87	19.92	0.40	0.67	21.05
1804	26.11	0.677	-60.4	241.0396	17.9771	18.89	0.265	2.04	22.24	18.90	0.26	1.57	21.87
1805	15.08	0.856	-52.3	241.0398	17.6202	20.39	0.477	1.77	23.44	20.38	0.47	2.99	24.76
1806	14.65	0.901	-31.2	241.0411	17.7568	18.71	0.245	1.74	21.72	18.70	0.24	1.23	21.15
1807	11.93	0.941	29.3	241.0423	17.9256	19.81	0.382	1.74	22.71	19.88	0.39	1.44	22.66
1808	25.68	0.550	-44.8	241.0426	17.7535	19.30	0.312	2.66	23.05	19.39	0.32	2.43	23.31
1809	33.24	0.734	-29.3	241.0428	17.9807	16.45	0.093	1.72	19.59	16.45	0.09	1.46	19.26
1810	11.98	0.925	-31.7	241.0431	17.7382	19.70	0.365	1.28	22.00	19.70	0.36	0.81	21.24
1811	10.43	0.761	-15.4	241.0451	17.6733	20.12	0.429	1.21	22.27	20.19	0.44	0.74	21.54
1812	13.67	0.858	-40.3	241.0454	17.8399	20.06	0.422	1.91	23.06	20.05	0.42	2.59	24.12

1813	12.97	0.905	55.8	241.0482	17.7136	20.20	0.444	1.76	23.16	20.20	0.44	2.09	23.79
1814	15.99	0.875	-2.5	241.0484	17.6149	20.41	0.481	1.84	23.48	20.47	0.49	2.52	24.47
1815	17.06	0.376	-13.7	241.0488	17.6652	19.87	0.391	1.28	22.12	19.86	0.39	0.84	21.47
1816	11.10	0.825	88.8	241.0499	18.0629	20.75	0.544	1.57	23.35	21.05	0.60	1.23	23.48
1817	10.44	0.837	-21.9	241.0507	17.9652	19.90	0.395	1.17	21.93	19.90	0.39	0.66	21.00
1818	16.74	0.884	20.8	241.0512	17.6789	20.80	0.558	1.83	23.35	20.74	0.54	1.77	23.97
1819	14.77	0.687	55.6	241.0514	17.8248	20.01	0.414	1.81	22.88	20.01	0.41	2.45	23.95
1820	8.36	0.873	-59.0	241.0527	17.5987	19.91	0.396	0.89	21.55	19.94	0.40	0.60	20.83
1821	10.28	0.756	73.0	241.0549	17.7037	19.89	0.393	1.01	21.70	20.04	0.41	0.54	20.69
1822	8.26	0.932	-71.4	241.0550	17.9857	19.42	0.327	0.83	20.83	19.42	0.33	0.52	20.01
1823	13.92	0.723	-27.2	241.0555	17.6781	19.83	0.386	2.05	22.99	19.95	0.40	1.50	22.82
1824	24.63	0.997	-78.6	241.0575	17.5630	17.22	0.130	1.55	20.16	17.22	0.13	1.31	19.80
1825	10.44	0.902	17.0	241.0586	17.7782	20.33	0.467	1.75	23.27	20.33	0.46	2.61	24.41
1826	12.14	0.754	-44.5	241.0596	18.0516	19.46	0.332	0.90	21.05	19.46	0.33	0.57	20.23
1827	39.95	0.929	-75.0	241.0623	18.1291	17.62	0.155	3.76	22.39	17.61	0.15	3.77	22.49
1828	11.72	0.930	-80.1	241.0624	17.7119	19.37	0.320	0.86	20.77	19.33	0.31	0.51	19.86
1829	8.39	0.899	-65.1	241.0631	18.2091	19.18	0.296	0.73	20.40	19.18	0.30	0.49	19.63
1830	14.90	0.923	-22.5	241.0633	18.1862	20.20	0.443	1.85	23.27	20.30	0.46	2.06	23.87
1831	16.54	0.767	67.8	241.0652	18.0855	20.50	0.498	1.68	23.23	20.48	0.49	1.94	23.91
1832	22.27	0.943	80.5	241.0657	17.9576	18.66	0.240	2.98	22.87	18.66	0.24	4.07	23.70
1833	12.09	0.761	-64.3	241.0670	17.8120	19.00	0.277	1.89	22.07	19.00	0.28	1.51	21.89
1834	10.56	0.486	-73.5	241.0676	17.8102	20.58	0.514	1.70	22.89	20.75	0.54	0.95	22.64
1835	11.77	0.882	67.2	241.0748	17.6724	20.27	0.455	1.70	23.26	20.27	0.45	2.41	24.17
1836	16.87	0.828	22.7	241.0754	17.9011	19.08	0.286	2.07	22.37	19.08	0.28	1.77	22.32
1837	23.42	0.895	-63.9	241.0760	18.1031	17.69	0.159	1.33	20.25	17.69	0.16	1.06	19.80
1838	15.70	0.785	-7.7	241.0770	17.7229	20.05	0.418	1.98	23.43	20.05	0.42	2.81	24.28
1839	29.12	0.752	54.4	241.0780	18.0066	18.63	0.238	3.11	22.82	18.63	0.24	3.76	23.50
1840	9.10	0.987	73.7	241.0781	17.5222	18.78	0.252	0.80	20.32	18.79	0.25	0.57	19.57
1841	26.45	0.774	-28.8	241.0785	17.7541	19.21	0.302	2.78	23.18	19.23	0.30	3.30	23.82
1842	14.91	0.915	-54.0	241.0796	18.2091	19.94	0.401	1.71	22.88	20.00	0.41	1.39	22.71
1843	11.90	0.832	0.1	241.0808	18.0013	19.99	0.410	1.87	23.08	19.99	0.41	2.79	24.21
1844	14.27	0.775	67.9	241.0816	18.0161	19.53	0.342	1.41	21.91	19.53	0.34	0.76	20.91
1845	28.04	0.644	4.3	241.0841	17.6649	19.01	0.277	2.57	22.99	19.01	0.28	3.15	23.50

1846	23.41	0.828	-62.6	241.0851	17.7976	18.50	0.224	2.83	22.61	18.50	0.22	2.97	22.85
1847	18.13	0.868	84.5	241.0880	17.6810	18.87	0.262	2.03	22.39	18.87	0.26	2.00	22.37
1848	22.05	0.808	83.4	241.0909	17.7620	18.62	0.236	1.85	21.71	18.61	0.23	1.29	21.16
1849	63.42	0.306	-71.9	241.0912	18.1387	16.92	0.114	4.05	21.90	16.92	0.11	5.83	22.74
1850	27.16	0.929	-14.9	241.0929	18.0259	17.84	0.171	3.18	22.17	17.84	0.17	2.97	22.20
1851	19.41	0.947	28.2	241.0950	17.8298	18.95	0.273	1.95	21.95	18.95	0.27	1.02	21.00
1852	35.43	0.821	84.8	241.0961	17.8785	15.90	0.073	3.35	20.50	15.90	0.07	3.26	20.46

Table: v16full-part2

Seq	RB_90	SBB_90	C	RA_2000	DEC_2000	SDSS_like_NAME	RB_25	B_25	eB_25
1	4.20	24.17	1.791	15:59:53.52	+17:47:05.64	J155953+174705	3.67	20.34	0.32
2	7.32	24.27	1.657	15:59:54.24	+17:46:36.12	J155954+174636	7.65	18.80	0.18
3	4.91	23.76	1.728	15:59:54.48	+17:44:37.32	J155954+174437	5.64	19.22	0.21
4	4.98	23.94	2.375	15:59:54.96	+17:29:21.48	J155954+172921	4.99	19.45	0.23
5	6.92	25.67	1.620	15:59:56.40	+17:40:34.32	J155956+174034	3.43	21.24	0.43
6	4.05	24.31	2.101	15:59:56.40	+17:34:05.52	J155956+173405	4.08	20.32	0.32
7	5.35	23.77	3.500	15:59:57.12	+17:39:56.52	J155957+173956	4.64	19.23	0.21
8	8.01	23.53	2.238	15:59:57.12	+17:32:18.96	J155957+173218	8.65	17.83	0.13
9	6.65	23.28	4.262	15:59:57.60	+17:46:46.56	J155957+174646	4.97	18.14	0.14
10	5.40	24.92	1.672	15:59:58.32	+17:44:40.92	J155958+174440	5.63	20.18	0.30
11	8.79	24.30	1.581	15:59:58.32	+17:42:20.88	J155958+174220	9.63	18.32	0.15
12	4.18	22.92	6.029	15:59:59.52	+17:40:28.92	J155959+174028	3.65	18.92	0.19
13	3.93	24.68	1.545	16:00:00.48	+18:01:44.04	J160000+180144	4.34	20.66	0.36
14	6.46	25.03	1.525	16:00:00.72	+17:49:27.48	J160000+174927	4.63	20.52	0.34
15	4.35	24.52	4.377	16:00:00.96	+17:40:39.36	J160000+174039	2.46	20.54	0.34
16	4.48	24.07	5.451	16:00:00.72	+17:39:51.48	J160000+173951	2.27	19.98	0.28
17	4.90	24.38	2.760	16:00:00.96	+18:07:38.28	J160000+180738	2.60	20.50	0.34
18	6.83	25.05	1.652	16:00:01.20	+17:45:16.56	J160001+174516	6.28	19.80	0.26
19	5.37	24.66	3.027	16:00:01.20	+17:42:38.88	J160001+174238	3.87	20.20	0.30
20	5.71	25.46	2.044	16:00:01.20	+17:26:13.92	J160001+172613	3.78	20.89	0.38
21	4.96	24.95	1.600	16:00:01.20	+18:05:32.64	J160001+180532	5.13	20.42	0.33
22	6.05	24.81	1.514	16:00:01.20	+17:31:03.72	J160001+173103	3.36	20.69	0.36

23	4.64	24.65	1.623	16:00:01.44	+17:46:17.40	J160001+174617	3.11	21.02	0.40
24	2.32	21.38	3.219	16:00:01.44	+17:31:21.36	J160001+173121	2.95	18.78	0.18
25	4.44	24.05	2.615	16:00:01.92	+18:01:37.56	J160001+180137	5.23	19.72	0.26
26	4.88	25.10	1.740	16:00:02.16	+17:45:50.76	J160002+174550	3.45	21.04	0.40
27	3.85	23.28	5.215	16:00:02.40	+17:57:41.76	J160002+175741	3.23	19.45	0.23
28	4.03	23.22	3.641	16:00:02.40	+17:59:15.36	J160002+175915	2.53	19.41	0.23
29	4.62	24.37	1.408	16:00:02.40	+17:57:31.68	J160002+175731	5.16	19.97	0.28
30	4.93	24.33	2.613	16:00:03.36	+18:07:17.76	J160003+180717	3.68	19.97	0.28
31	3.40	23.96	3.852	16:00:03.36	+17:48:29.52	J160003+174829	2.87	20.45	0.33
32	7.93	23.27	2.607	16:00:03.84	+17:46:57.72	J160003+174657	8.19	17.62	0.12
33	4.65	25.27	1.844	16:00:04.80	+17:40:06.60	J160004+174006	3.14	21.43	0.46
34	6.40	25.07	1.987	16:00:04.80	+17:39:52.92	J160004+173952	2.55	20.74	0.37
35	2.06	21.62	2.439	16:00:04.80	+17:41:45.24	J160004+174145	2.60	19.31	0.22
36	4.78	24.72	1.459	16:00:05.04	+17:36:05.04	J160005+173605	2.81	21.08	0.41
37	4.49	23.42	4.945	16:00:05.04	+17:49:29.28	J160005+174929	4.93	19.15	0.21
38	3.74	22.37	4.524	16:00:05.52	+17:32:42.72	J160005+173242	3.08	18.64	0.17
39	4.52	24.40	1.966	16:00:05.52	+18:06:12.96	J160005+180612	5.07	20.03	0.29
40	6.21	25.54	1.511	16:00:06.00	+17:29:08.88	J160006+172908	4.45	21.09	0.41
41	3.63	24.45	2.439	16:00:06.00	+17:58:53.04	J160006+175853	3.61	20.75	0.37
42	5.75	24.46	3.480	16:00:06.96	+18:03:19.80	J160006+180319	2.14	20.27	0.31
43	5.38	24.41	4.900	16:00:07.44	+17:57:11.52	J160007+175711	2.67	20.01	0.28
44	3.08	23.09	4.319	16:00:07.44	+18:05:16.08	J160007+180516	2.39	19.83	0.27
45	3.35	22.94	3.859	16:00:07.44	+17:34:57.00	J160007+173457	2.94	19.47	0.23
46	3.33	22.53	4.253	16:00:07.68	+17:31:27.84	J160007+173127	3.92	19.00	0.20
47	3.90	24.17	1.753	16:00:08.16	+18:00:49.68	J160008+180049	4.45	20.17	0.30

48	4.26	24.21	3.315	16:00:08.16	+17:39:39.96	J160008+173939	3.69	20.19	0.30
49	5.54	24.45	4.445	16:00:08.40	+18:06:18.72	J160008+180618	2.53	20.06	0.29
50	6.99	24.80	1.809	16:00:08.88	+17:36:33.48	J160008+173633	5.29	19.71	0.25
51	4.49	24.65	2.081	16:00:09.12	+17:26:32.28	J160009+172632	3.77	20.55	0.34
52	7.89	24.03	2.297	16:00:09.12	+17:34:02.28	J160009+173402	8.51	18.22	0.20
53	4.59	24.44	1.971	16:00:10.08	+17:42:05.04	J160010+174205	4.45	20.16	0.30
54	2.21	23.29	*	16:00:11.28	+18:07:40.08	J160011+180740	2.66	20.23	0.45
55	4.90	23.09	1.945	16:00:11.52	+18:06:00.72	J160011+180600	5.90	18.55	0.17
56	4.08	24.56	2.623	16:00:11.76	+18:03:20.52	J160011+180320	2.06	20.67	0.53
57	4.39	25.06	3.110	16:00:11.76	+18:01:32.52	J160011+180132	2.31	20.88	0.57
58	4.51	24.27	6.760	16:00:12.00	+17:32:53.16	J160012+173253	2.02	19.88	0.39
59	5.22	25.24	2.067	16:00:12.00	+17:53:20.76	J160012+175320	2.32	21.06	0.60
60	2.66	22.29	3.566	16:00:12.24	+17:48:37.08	J160012+174837	3.68	19.24	0.21
61	7.37	25.06	1.660	16:00:12.48	+17:49:23.52	J160012+174923	3.12	20.54	0.50
62	3.26	23.48	4.412	16:00:12.48	+17:31:13.08	J160012+173113	2.39	20.14	0.30
63	6.23	24.99	1.894	16:00:12.48	+17:48:02.88	J160012+174802	4.34	20.33	0.32
64	2.94	23.96	1.758	16:00:12.48	+17:31:24.96	J160012+173124	3.39	20.64	0.35
65	6.03	24.40	2.828	16:00:12.72	+18:05:11.04	J160012+180511	3.84	19.47	0.33
66	5.97	25.09	1.873	16:00:12.72	+17:47:31.20	J160012+174731	3.91	20.30	0.46
67	4.58	24.78	1.640	16:00:12.72	+18:02:13.20	J160012+180213	4.99	20.38	0.32
68	6.89	24.20	3.048	16:00:12.72	+17:28:39.72	J160012+172839	6.20	18.96	0.19
69	5.24	25.27	1.909	16:00:12.96	+18:00:31.68	J160012+180031	3.31	20.75	0.54
70	4.95	25.19	1.783	16:00:13.20	+17:57:21.24	J160013+175721	2.10	21.31	0.66
71	3.90	24.28	3.278	16:00:13.20	+17:32:57.12	J160013+173257	2.56	20.61	0.35
72	1.78	21.50	2.885	16:00:13.20	+17:53:12.48	J160013+175312	3.13	19.48	0.23

73	5.64	25.22	1.522	16:00:13.20	+17:24:18.36	J160013+172418	5.14	20.53	0.34
74	5.29	24.20	2.922	16:00:13.44	+17:34:04.44	J160013+173404	4.84	19.60	0.24
75	5.56	25.16	1.535	16:00:13.44	+17:24:56.52	J160013+172456	5.94	20.29	0.31
76	3.60	24.84	1.815	16:00:13.68	+17:24:29.52	J160013+172429	2.71	21.50	0.47
77	5.66	25.07	2.317	16:00:13.68	+17:49:36.12	J160013+174936	3.96	20.38	0.32
78	5.39	25.15	1.902	16:00:13.68	+17:35:10.32	J160013+173510	3.91	20.79	0.37
79	8.65	24.57	2.213	16:00:13.68	+17:48:03.24	J160013+174803	5.13	19.01	0.28
80	5.41	21.37	3.110	16:00:13.68	+17:50:54.60	J160013+175054	7.91	16.38	0.09
81	8.44	23.82	2.805	16:00:13.92	+17:46:59.16	J160013+174659	6.84	18.03	0.18
82	6.57	24.45	2.204	16:00:14.16	+18:13:15.96	J160014+181315	4.56	19.29	0.31
83	4.04	24.54	1.552	16:00:14.40	+17:57:14.04	J160014+175714	4.38	20.47	0.33
84	6.30	23.69	2.950	16:00:14.64	+18:04:00.12	J160014+180400	4.70	18.58	0.23
85	5.89	24.46	2.686	16:00:14.88	+17:27:15.48	J160014+172715	4.89	19.59	0.24
86	6.60	25.17	2.006	16:00:14.88	+17:47:58.92	J160014+174758	3.05	20.54	0.50
87	5.33	25.52	2.759	16:00:15.12	+17:59:47.04	J160015+175947	2.18	21.01	0.59
88	5.71	25.50	2.289	16:00:15.36	+18:00:25.92	J160015+180025	2.11	21.48	0.47
89	3.66	24.24	3.406	16:00:15.36	+18:09:14.76	J160015+180914	1.82	20.43	0.48
90	8.62	24.91	1.815	16:00:15.84	+17:58:51.24	J160015+175851	8.48	19.06	0.20
91	11.06	24.71	1.986	16:00:16.08	+17:29:09.96	J160016+172909	7.99	18.42	0.16
92	5.98	25.06	1.847	16:00:15.84	+18:06:45.00	J160015+180645	2.69	20.91	0.57
93	4.13	25.05	1.546	16:00:16.08	+17:30:21.96	J160016+173021	4.36	20.94	0.39
94	5.93	25.40	1.607	16:00:16.08	+17:35:48.12	J160016+173548	5.39	20.52	0.34
95	5.21	25.14	1.766	16:00:16.32	+17:51:56.16	J160016+175156	2.32	20.94	0.58
96	6.75	23.99	2.080	16:00:17.52	+17:50:13.56	J160017+175013	5.95	18.67	0.24
97	7.24	25.04	5.044	16:00:17.52	+18:12:57.24	J160017+181257	2.55	19.75	0.37

#									
98	5.46	25.27	2.502	16:00:18.00	+17:47:00.24	J160018+174700	3.03	20.70	0.53
99	4.92	24.31	4.260	16:00:18.48	+17:43:09.48	J160018+174309	2.92	20.05	0.29
100	5.21	23.86	5.990	16:00:18.72	+17:22:17.76	J160018+172217	2.40	19.43	0.23
101	2.35	22.20	2.426	16:00:18.72	+18:01:49.08	J160018+180149	2.62	19.58	0.24
102	3.71	23.32	3.427	16:00:18.96	+17:59:33.72	J160018+175933	2.79	19.59	0.24
103	5.36	25.06	3.045	16:00:18.96	+18:11:06.36	J160018+181106	2.76	20.49	0.49
104	10.83	26.41	1.824	16:00:18.96	+18:00:01.44	J160018+180001	2.62	21.05	0.60
105	5.59	25.12	2.207	16:00:19.20	+18:07:23.88	J160019+180723	2.98	20.67	0.52
106	3.86	24.38	1.498	16:00:19.20	+17:46:50.88	J160019+174650	4.27	20.43	0.33
107	5.24	24.40	3.009	16:00:19.20	+17:56:14.28	J160019+175614	3.38	19.80	0.38
108	5.05	25.35	2.284	16:00:19.20	+17:54:43.92	J160019+175443	2.47	21.14	0.62
109	3.94	23.79	3.662	16:00:19.44	+18:03:07.92	J160019+180307	3.11	19.67	0.36
110	6.07	25.32	2.037	16:00:19.68	+17:55:16.68	J160019+175516	1.71	20.84	0.56
111	4.34	25.07	1.670	16:00:19.68	+18:08:57.12	J160019+180857	2.34	21.55	0.71
112	5.43	24.82	3.213	16:00:19.92	+18:10:35.04	J160019+181035	2.66	20.26	0.45
113	6.49	25.85	1.989	16:00:19.92	+17:45:39.24	J160019+174539	2.30	21.43	0.69
114	4.50	24.95	2.806	16:00:20.16	+17:43:07.68	J160020+174307	2.38	20.82	0.56
115	5.86	25.72	2.312	16:00:20.16	+18:01:42.24	J160020+180142	1.57	21.64	0.74
116	4.30	24.56	1.829	16:00:20.16	+17:22:18.48	J160020+172218	4.09	20.47	0.33
117	6.78	24.17	1.765	16:00:20.16	+17:32:51.36	J160020+173251	7.09	18.89	0.19
118	4.38	23.87	2.804	16:00:20.40	+17:59:32.64	J160020+175932	2.28	19.60	0.35
119	3.97	24.49	2.910	16:00:20.88	+18:04:42.60	J160020+180442	2.83	20.42	0.48
120	5.42	24.55	2.164	16:00:20.88	+17:27:19.44	J160020+172719	4.74	19.92	0.27
121	1.33	21.05	2.119	16:00:20.88	+17:48:27.36	J160020+174827	2.24	19.10	0.29
122	3.52	23.81	2.857	16:00:21.12	+17:53:24.00	J160021+175324	3.24	20.20	0.30

123	3.35	24.26	5.770	16:00:21.36	+17:57:41.76	J160021+175741	1.85	20.51	0.50
124	5.75	25.69	2.256	16:00:21.36	+17:54:18.36	J160021+175418	2.41	21.38	0.68
125	3.33	24.25	3.512	16:00:21.36	+17:50:13.20	J160021+175013	1.72	20.63	0.52
126	4.94	24.76	1.806	16:00:21.36	+18:02:18.96	J160021+180218	5.39	20.18	0.30
127	3.17	24.40	2.031	16:00:21.36	+17:55:54.12	J160021+175554	2.72	21.18	0.42
128	5.05	24.15	4.459	16:00:21.60	+17:37:18.48	J160021+173718	2.44	19.93	0.28
129	5.51	24.36	4.533	16:00:21.84	+17:44:15.00	J160021+174415	2.90	19.62	0.35
130	5.08	24.82	3.451	16:00:22.08	+17:44:54.96	J160022+174454	2.56	20.31	0.46
131	4.21	23.07	3.786	16:00:22.32	+17:34:18.12	J160022+173418	3.41	19.05	0.20
132	3.48	23.92	2.522	16:00:23.04	+17:53:26.16	J160023+175326	3.57	19.95	0.40
133	3.05	25.11	*	16:00:23.04	+17:57:43.56	J160023+175743	1.12	22.46	0.96
134	5.07	24.61	4.444	16:00:23.52	+17:32:56.04	J160023+173256	2.09	20.50	0.34
135	5.35	25.66	2.031	16:00:23.52	+17:51:11.88	J160023+175111	2.53	21.25	0.65
136	3.66	25.26	1.765	16:00:23.52	+17:57:42.48	J160023+175742	2.12	21.46	0.69
137	5.37	25.04	4.251	16:00:23.76	+18:04:53.76	J160023+180453	1.88	20.37	0.47
138	2.64	23.20	2.571	16:00:24.00	+17:46:03.00	J160024+174603	2.81	19.82	0.38
139	5.82	24.65	4.479	16:00:24.24	+17:50:52.80	J160024+175052	2.62	19.79	0.38
140	3.08	24.49	2.877	16:00:24.24	+17:59:28.68	J160024+175928	1.81	20.98	0.59
141	5.42	25.46	1.789	16:00:25.20	+17:57:57.24	J160025+175757	1.64	21.23	0.64
142	5.93	25.21	1.926	16:00:25.20	+18:12:41.40	J160025+181241	3.08	20.80	0.55
143	4.31	24.47	1.782	16:00:25.44	+17:40:03.36	J160025+174003	4.80	20.23	0.31
144	5.31	24.71	1.621	16:00:25.92	+17:44:25.44	J160025+174425	5.61	20.01	0.28
145	5.44	24.69	1.715	16:00:26.16	+18:02:51.72	J160026+180251	4.54	20.14	0.30
146	5.13	24.15	2.486	16:00:26.40	+17:21:33.12	J160026+172133	5.51	19.53	0.24
147	4.63	23.80	2.895	16:00:26.40	+18:01:17.76	J160026+180117	5.47	19.39	0.23

148	6.07	24.28	5.074	16:00:26.40	+18:05:52.44	J160026+180552	2.90	19.35	0.32
149	3.64	23.96	2.188	16:00:26.40	+17:45:09.36	J160026+174509	3.96	20.19	0.30
150	13.32	24.70	1.801	16:00:26.40	+17:47:52.08	J160026+174752	8.67	18.23	0.20
151	10.79	26.02	1.637	16:00:26.64	+18:07:11.64	J160026+180711	2.96	20.59	0.51
152	4.08	25.25	1.467	16:00:26.64	+17:29:11.04	J160026+172911	2.54	22.07	0.57
153	1.73	21.15	3.390	16:00:26.64	+17:53:38.04	J160026+175338	2.51	18.67	0.24
154	9.72	22.74	2.743	16:00:26.64	+18:02:08.16	J160026+180208	11.26	16.50	0.09
155	4.12	25.14	2.229	16:00:26.88	+18:05:04.92	J160026+180504	1.64	21.57	0.72
156	2.07	21.93	4.400	16:00:26.88	+17:56:36.96	J160026+175636	2.26	19.10	0.29
157	4.07	24.72	1.883	16:00:26.88	+17:44:50.64	J160026+174450	4.44	20.63	0.35
158	1.55	22.08	5.352	16:00:27.12	+18:07:57.00	J160027+180757	2.02	19.81	0.38
159	4.62	24.47	4.985	16:00:27.12	+18:03:06.12	J160027+180306	2.00	20.18	0.44
160	4.78	24.44	2.457	16:00:27.36	+17:50:51.00	J160027+175051	3.30	20.38	0.32
161	5.21	24.20	4.395	16:00:27.36	+17:43:41.16	J160027+174341	2.65	19.62	0.35
162	4.10	25.13	2.802	16:00:27.36	+17:42:57.96	J160027+174257	2.19	21.15	0.62
163	4.68	24.84	3.421	16:00:27.84	+17:40:22.08	J160027+174022	1.74	20.44	0.48
164	3.99	23.71	1.753	16:00:27.84	+17:39:35.64	J160027+173935	4.32	19.74	0.26
165	2.05	22.41	2.375	16:00:27.84	+18:13:33.60	J160027+181333	2.12	19.61	0.35
166	12.64	23.28	3.806	16:00:27.84	+18:15:49.68	J160027+181549	10.77	16.58	0.10
167	2.15	21.90	3.021	16:00:27.84	+17:41:49.56	J160027+174149	2.18	19.51	0.24
168	3.45	23.69	2.775	16:00:28.08	+17:45:38.16	J160028+174538	4.16	19.99	0.28
169	6.96	25.37	1.880	16:00:28.08	+17:45:14.76	J160028+174514	3.35	20.58	0.51
170	4.56	25.22	2.138	16:00:28.08	+18:15:16.20	J160028+181516	1.88	21.37	0.67
171	3.30	24.18	3.239	16:00:28.80	+18:15:25.56	J160028+181525	2.02	20.42	0.48
172	3.20	24.10	3.631	16:00:28.80	+18:00:51.84	J160028+180051	1.71	20.51	0.50

173	22.10	24.60	1.461	16:00:29.04	+17:52:58.80	J160029+175258	20.50	16.74	0.11
174	6.53	24.58	1.637	16:00:29.04	+18:07:06.60	J160029+180706	5.12	19.59	0.35
175	3.99	24.39	1.553	16:00:29.04	+18:04:30.36	J160029+180430	4.47	20.34	0.32
176	5.15	25.08	2.142	16:00:29.28	+17:54:08.28	J160029+175408	2.76	20.81	0.55
177	4.88	24.82	2.421	16:00:29.52	+17:48:02.16	J160029+174802	3.90	20.51	0.34
178	6.07	25.12	2.252	16:00:29.52	+17:49:16.68	J160029+174916	2.92	20.81	0.37
179	3.75	24.79	2.080	16:00:29.76	+17:33:45.00	J160029+173345	2.22	21.10	0.61
180	8.01	24.20	2.493	16:00:29.76	+17:38:15.00	J160029+173815	6.09	18.58	0.23
181	4.07	23.74	3.742	16:00:30.00	+17:26:12.48	J160030+172612	2.83	19.85	0.27
182	4.94	24.99	2.106	16:00:30.00	+17:34:40.44	J160030+173440	2.41	21.03	0.60
183	2.83	23.94	1.702	16:00:30.24	+17:51:00.00	J160030+175100	3.20	20.78	0.37
184	4.66	23.61	5.088	16:00:30.24	+18:02:52.80	J160030+180252	3.35	19.34	0.22
185	1.34	21.01	1.431	16:00:30.48	+18:16:36.84	J160030+181636	2.08	19.06	0.28
186	3.79	24.76	1.693	16:00:30.48	+17:29:03.48	J160030+172903	2.91	20.90	0.57
187	5.83	25.35	2.921	16:00:30.48	+17:58:00.84	J160030+175800	2.54	20.63	0.52
188	5.76	24.86	1.535	16:00:30.96	+17:58:51.24	J160030+175851	5.70	20.01	0.28
189	4.44	23.16	4.245	16:00:31.20	+17:44:01.32	J160031+174401	5.32	18.89	0.19
190	4.89	25.07	1.669	16:00:31.20	+18:01:27.48	J160031+180127	4.23	20.77	0.37
191	6.39	24.58	1.704	16:00:31.20	+17:36:27.72	J160031+173627	5.72	19.56	0.24
192	4.76	23.39	3.992	16:00:31.20	+17:44:12.84	J160031+174412	6.24	18.89	0.19
193	3.98	23.45	3.960	16:00:31.44	+17:50:06.72	J160031+175006	2.37	19.25	0.30
194	4.28	24.77	1.668	16:00:31.44	+17:50:46.68	J160031+175046	3.65	20.88	0.38
195	5.11	25.23	1.434	16:00:31.44	+18:03:56.88	J160031+180356	5.30	20.61	0.35
196	3.38	24.52	1.767	16:00:31.44	+18:07:07.32	J160031+180707	3.80	20.87	0.38
197	3.04	24.21	1.513	16:00:31.92	+17:42:47.16	J160031+174247	3.46	20.82	0.37

198	5.39	25.04	2.146	16:00:31.92	+17:28:32.88	J160031+172832	3.62	20.55	0.34
199	4.01	24.26	2.247	16:00:32.16	+17:27:15.84	J160032+172715	4.55	20.20	0.30
200	4.11	24.91	1.454	16:00:32.16	+17:33:33.48	J160032+173333	4.09	20.89	0.38
201	4.67	25.23	1.925	16:00:32.40	+17:34:48.72	J160032+173448	3.21	21.30	0.44
202	4.70	24.10	2.662	16:00:32.40	+18:17:08.16	J160032+181708	5.28	19.67	0.25
203	2.05	22.86	1.749	16:00:32.64	+17:31:35.40	J160032+173135	1.93	20.06	0.42
204	5.19	22.93	2.114	16:00:32.64	+17:34:17.76	J160032+173417	6.09	18.30	0.15
205	4.90	24.82	5.601	16:00:32.88	+17:59:41.64	J160032+175941	1.92	20.35	0.47
206	3.90	24.39	3.366	16:00:32.88	+18:09:18.00	J160032+180918	2.00	20.54	0.50
207	4.83	24.33	2.785	16:00:33.60	+17:53:45.96	J160033+175345	3.62	20.13	0.30
208	5.38	24.95	2.077	16:00:33.60	+18:05:22.20	J160033+180522	3.89	20.15	0.43
209	5.27	25.45	2.375	16:00:33.84	+17:28:17.76	J160033+172817	2.50	21.11	0.61
210	5.99	24.47	2.331	16:00:34.32	+17:42:33.48	J160034+174233	4.89	19.59	0.24
211	5.57	24.48	1.972	16:00:34.56	+17:38:31.92	J160034+173831	6.32	19.58	0.24
212	5.39	24.92	1.606	16:00:34.80	+17:48:24.84	J160034+174824	2.78	21.03	0.40
213	1.59	21.93	1.850	16:00:34.80	+18:13:27.12	J160034+181327	2.05	19.63	0.35
214	5.08	24.22	4.710	16:00:35.04	+17:40:50.16	J160035+174050	4.66	19.71	0.25
215	4.67	24.04	4.217	16:00:35.04	+17:40:49.80	J160035+174049	3.64	19.85	0.27
216	3.66	23.39	1.809	16:00:35.28	+17:27:26.28	J160035+172726	4.41	19.56	0.24
217	5.62	25.14	3.336	16:00:35.28	+17:56:18.96	J160035+175618	2.38	20.39	0.47
218	2.31	22.84	5.906	16:00:35.52	+17:49:36.12	J160035+174936	2.01	19.80	0.38
219	5.12	24.93	1.633	16:00:36.24	+17:29:05.64	J160036+172905	4.61	20.55	0.34
220	3.97	24.73	1.929	16:00:36.24	+17:56:40.56	J160036+175640	3.05	21.01	0.40
221	2.73	22.23	4.022	16:00:36.48	+18:09:46.80	J160036+180946	2.56	18.81	0.25
222	12.16	24.56	1.913	16:00:36.72	+17:49:18.12	J160036+174918	7.72	18.29	0.20

223	6.07	25.14	1.338	16:00:37.20	+17:53:19.32	J160037+175319	2.42	20.49	0.49
224	3.39	24.21	3.259	16:00:37.20	+17:43:32.52	J160037+174332	2.05	20.57	0.51
225	3.06	23.95	1.832	16:00:37.68	+17:23:33.72	J160037+172333	3.53	20.56	0.34
226	5.27	24.02	1.848	16:00:37.92	+17:50:54.96	J160037+175054	5.16	19.41	0.23
227	5.74	24.56	1.854	16:00:38.16	+17:38:57.48	J160038+173857	5.74	19.72	0.26
228	5.10	25.43	1.814	16:00:38.40	+18:09:59.76	J160038+180959	1.89	21.35	0.67
229	5.31	24.08	6.295	16:00:38.64	+17:40:45.12	J160038+174045	2.96	19.53	0.24
230	4.63	24.74	1.760	16:00:38.64	+17:23:54.60	J160038+172354	5.19	20.30	0.31
231	5.86	25.15	1.572	16:00:38.64	+18:00:29.52	J160038+180029	3.70	20.99	0.40
232	4.65	25.11	1.725	16:00:38.64	+18:08:15.72	J160038+180815	3.13	21.36	0.45
233	1.57	21.17	2.242	16:00:39.12	+17:25:47.28	J160039+172547	2.33	19.49	0.23
234	3.92	24.94	2.756	16:00:39.36	+18:13:37.20	J160039+181337	2.14	21.06	0.60
235	2.34	23.24	2.289	16:00:39.60	+17:43:43.32	J160039+174343	2.01	20.20	0.44
236	6.21	24.42	1.859	16:00:39.60	+18:11:39.12	J160039+181139	6.47	19.35	0.22
237	4.35	23.72	2.756	16:00:39.84	+17:44:04.92	J160039+174404	4.78	19.52	0.24
238	6.00	25.07	1.742	16:00:40.32	+17:45:37.08	J160040+174537	2.88	20.92	0.39
239	5.02	24.79	3.790	16:00:40.56	+18:08:31.92	J160040+180831	1.87	20.46	0.49
240	5.28	25.33	1.811	16:00:40.56	+17:55:26.40	J160040+175526	2.18	21.44	0.69
241	5.97	25.09	3.760	16:00:40.56	+18:02:46.32	J160040+180246	2.29	20.39	0.47
242	4.22	24.06	3.374	16:00:40.56	+17:50:06.72	J160040+175006	2.84	19.83	0.38
243	2.77	23.39	3.897	16:00:40.80	+18:09:01.80	J160040+180901	2.88	19.92	0.40
244	4.39	25.05	2.918	16:00:40.80	+18:09:24.84	J160040+180924	1.84	21.03	0.60
245	3.88	21.58	4.754	16:00:41.04	+18:01:21.00	J160041+180121	4.64	17.37	0.14
246	4.12	21.70	2.495	16:00:41.04	+18:01:21.00	J160041+180121	4.66	17.37	0.14
247	5.10	25.19	1.897	16:00:41.04	+18:04:09.84	J160041+180409	2.03	21.40	0.68

248	3.03	23.72	6.691	16:00:41.28	+17:55:37.92	J160041+175537	1.97	20.12	0.43
249	1.52	22.01	2.700	16:00:41.28	+17:42:10.80	J160041+174210	2.10	19.77	0.37
250	5.33	25.58	2.236	16:00:41.28	+18:18:00.00	J160041+181800	2.04	21.41	0.68
251	7.96	23.69	2.675	16:00:41.52	+18:07:34.32	J160041+180734	6.70	18.01	0.18
252	5.32	25.19	1.828	16:00:41.52	+17:44:30.12	J160041+174430	2.48	21.14	0.62
253	6.34	24.47	3.185	16:00:41.76	+17:22:43.32	J160041+172243	3.98	19.66	0.25
254	7.34	25.49	2.520	16:00:41.76	+17:49:00.12	J160041+174900	2.90	20.52	0.50
255	8.18	25.83	1.894	16:00:41.76	+17:25:34.68	J160041+172534	3.07	20.69	0.53
256	3.64	22.84	2.648	16:00:42.00	+17:43:55.20	J160042+174355	4.43	19.01	0.20
257	2.24	21.96	2.989	16:00:42.24	+17:49:21.72	J160042+174921	2.95	19.36	0.22
258	4.73	24.91	1.630	16:00:42.24	+17:23:23.64	J160042+172323	4.64	20.56	0.34
259	2.94	23.37	4.033	16:00:42.24	+17:42:54.36	J160042+174254	3.07	19.77	0.37
260	3.68	24.39	3.039	16:00:42.24	+17:46:21.36	J160042+174621	2.17	20.43	0.48
261	3.31	23.72	2.567	16:00:42.48	+17:24:25.56	J160042+172425	2.66	20.38	0.32
262	5.02	25.40	3.322	16:00:42.72	+18:05:36.24	J160042+180536	2.05	21.02	0.60
263	6.47	23.30	2.000	16:00:42.96	+18:04:14.88	J160042+180414	6.89	17.97	0.18
264	3.04	23.68	3.227	16:00:42.96	+18:05:43.80	J160042+180543	2.51	20.12	0.43
265	6.08	24.98	1.671	16:00:43.20	+18:12:19.44	J160043+181219	5.86	20.02	0.28
266	4.72	24.28	1.929	16:00:43.44	+17:21:27.36	J160043+172127	4.49	19.93	0.28
267	5.14	25.74	2.043	16:00:43.44	+18:08:09.96	J160043+180809	3.26	21.52	0.47
268	4.61	23.73	4.764	16:00:43.44	+18:08:41.28	J160043+180841	5.47	19.33	0.22
269	1.39	20.87	1.924	16:00:43.68	+17:41:41.28	J160043+174141	2.22	19.45	0.23
270	4.54	25.18	1.798	16:00:43.68	+17:44:47.04	J160043+174447	2.47	21.33	0.66
271	6.35	25.32	1.299	16:00:44.16	+17:41:46.68	J160044+174146	2.32	20.30	0.46
272	6.06	25.35	3.102	16:00:44.40	+17:29:08.52	J160044+172908	2.65	20.58	0.51

273	5.51	24.72	2.742	16:00:44.64	+17:45:21.60	J160044+174521	2.89	20.12	0.43
274	4.98	25.47	1.782	16:00:44.88	+18:12:03.96	J160044+181203	3.86	21.15	0.42
275	3.23	24.53	3.207	16:00:44.88	+17:32:05.64	J160044+173205	2.09	21.06	0.60
276	4.89	24.71	1.650	16:00:44.88	+17:18:38.16	J160044+171838	5.32	20.17	0.30
277	4.45	24.50	1.524	16:00:44.88	+17:27:14.04	J160044+172714	4.95	20.17	0.30
278	4.82	24.51	1.422	16:00:45.12	+17:42:14.40	J160045+174214	5.24	20.02	0.28
279	7.02	25.02	1.726	16:00:45.12	+17:41:59.28	J160045+174159	3.70	20.50	0.34
280	5.88	23.45	4.862	16:00:45.12	+18:04:23.16	J160045+180423	4.47	18.70	0.18
281	7.54	25.64	2.038	16:00:45.36	+18:09:22.68	J160045+180922	3.07	20.76	0.54
282	4.62	24.17	4.564	16:00:45.84	+17:32:45.96	J160045+173245	2.03	19.64	0.36
283	6.67	24.58	1.745	16:00:46.08	+17:41:47.76	J160046+174147	7.41	19.24	0.21
284	6.05	24.30	3.853	16:00:46.56	+17:34:30.36	J160046+173430	2.35	19.90	0.27
285	6.58	25.48	1.909	16:00:47.04	+17:54:57.24	J160047+175457	3.22	20.77	0.54
286	4.04	23.76	3.405	16:00:47.04	+18:06:58.32	J160047+180658	2.93	19.59	0.35
287	5.35	24.61	2.011	16:00:47.28	+17:37:47.64	J160047+173747	3.55	20.39	0.32
288	6.53	24.63	5.425	16:00:47.28	+18:10:06.60	J160047+181006	2.40	19.93	0.27
289	12.63	22.56	2.053	16:00:47.28	+18:04:42.24	J160047+180442	15.02	15.75	0.07
290	2.14	23.02	4.747	16:00:47.52	+18:13:50.16	J160047+181350	1.96	20.13	0.43
291	2.56	20.35	3.047	16:00:47.28	+17:45:09.00	J160047+174509	4.41	17.49	0.11
292	6.49	24.76	1.696	16:00:47.52	+17:42:11.88	J160047+174211	6.99	19.51	0.24
293	5.59	24.95	1.767	16:00:47.52	+17:38:15.72	J160047+173815	1.91	21.02	0.40
294	2.09	23.40	4.114	16:00:47.76	+17:57:26.28	J160047+175726	2.06	20.56	0.50
295	1.84	22.67	2.175	16:00:48.00	+17:37:39.72	J160048+173739	2.40	20.51	0.34
296	4.80	25.14	1.674	16:00:47.76	+17:52:00.84	J160047+175200	4.38	20.78	0.37
297	3.19	24.61	1.543	16:00:48.00	+17:44:33.72	J160048+174433	3.56	21.12	0.42

298	3.71	25.29	1.613	16:00:48.00	+17:28:05.88	J160048+172805	2.95	21.62	0.49
299	5.12	25.13	1.713	16:00:48.00	+18:00:34.92	J160048+180034	3.65	21.06	0.41
300	6.20	25.47	1.701	16:00:48.00	+18:13:23.88	J160048+181323	3.92	21.06	0.41
301	4.35	24.90	1.585	16:00:48.48	+17:53:05.64	J160048+175305	3.52	20.94	0.39
302	3.64	24.07	5.552	16:00:48.96	+18:12:13.68	J160048+181213	2.13	20.15	0.43
303	3.65	24.14	3.182	16:00:48.96	+18:08:19.32	J160048+180819	2.54	20.33	0.46
304	7.38	25.06	2.014	16:00:48.96	+17:53:24.00	J160048+175324	3.97	20.06	0.42
305	5.26	24.52	4.157	16:00:48.96	+18:07:08.04	J160048+180708	2.79	19.83	0.38
306	2.44	22.94	2.394	16:00:49.20	+18:04:42.60	J160049+180442	2.02	19.80	0.38
307	5.94	24.45	2.654	16:00:49.20	+17:58:46.56	J160049+175846	4.01	19.79	0.26
308	2.15	21.44	2.905	16:00:49.44	+17:34:38.64	J160049+173438	3.84	18.94	0.19
309	6.04	25.06	2.185	16:00:49.44	+17:45:20.52	J160049+174520	3.08	20.46	0.49
310	9.54	23.33	1.820	16:00:49.44	+18:03:02.16	J160049+180302	9.60	17.18	0.13
311	4.39	24.38	1.937	16:00:49.68	+17:32:54.24	J160049+173254	4.12	20.25	0.31
312	6.34	25.55	1.951	16:00:49.68	+18:05:09.24	J160049+180509	1.54	21.12	0.62
313	5.42	25.36	2.158	16:00:49.68	+17:44:35.52	J160049+174435	1.91	21.10	0.61
314	6.59	26.09	2.407	16:00:49.68	+17:54:08.28	J160049+175408	1.70	21.62	0.73
315	5.10	24.36	2.388	16:00:49.92	+18:02:57.12	J160049+180257	4.24	19.91	0.27
316	3.09	24.09	2.394	16:00:49.92	+17:19:01.20	J160049+171901	2.43	20.89	0.38
317	3.80	23.61	3.008	16:00:49.92	+17:35:36.60	J160049+173536	4.72	19.67	0.25
318	4.96	23.96	4.341	16:00:49.92	+17:57:15.84	J160049+175715	2.61	19.74	0.26
319	2.92	22.30	3.410	16:00:50.64	+17:54:28.44	J160050+175428	4.34	19.03	0.20
320	5.49	24.80	2.207	16:00:50.88	+18:05:51.36	J160050+180551	2.54	20.44	0.48
321	3.74	23.40	3.282	16:00:50.88	+18:01:29.64	J160050+180129	3.46	19.32	0.31
322	5.54	24.13	4.043	16:00:50.88	+18:01:29.64	J160050+180129	3.78	19.28	0.31

323	4.55	23.91	5.941	16:00:51.12	+17:34:13.08	J160051+173413	2.20	19.53	0.34
324	5.32	24.66	3.016	16:00:51.36	+18:04:22.80	J160051+180422	2.54	20.08	0.42
325	6.00	24.69	3.025	16:00:51.36	+18:04:22.80	J160051+180422	2.86	19.95	0.40
326	5.31	24.43	2.295	16:00:51.36	+17:34:00.84	J160051+173400	3.58	20.04	0.29
327	4.06	24.96	1.812	16:00:51.60	+18:05:35.52	J160051+180535	2.24	21.26	0.65
328	3.24	25.01	1.789	16:00:51.60	+17:25:12.72	J160051+172512	3.03	21.62	0.49
329	1.46	22.00	3.692	16:00:51.84	+18:07:58.08	J160051+180758	1.88	19.87	0.39
330	6.90	25.17	1.730	16:00:51.84	+17:17:59.64	J160051+171759	5.84	19.98	0.28
331	4.67	25.00	1.783	16:00:51.84	+18:13:57.00	J160051+181357	4.47	20.69	0.36
332	4.35	25.04	2.334	16:00:51.84	+17:25:03.36	J160051+172503	2.52	21.03	0.60
333	4.27	24.78	2.639	16:00:52.08	+18:12:13.32	J160052+181213	2.15	21.25	0.43
334	10.50	21.87	3.587	16:00:52.32	+17:32:44.52	J160052+173244	13.81	15.46	0.06
335	5.06	25.19	2.096	16:00:52.56	+17:44:43.08	J160052+174443	2.90	20.78	0.55
336	8.12	23.89	3.232	16:00:52.80	+18:06:20.88	J160052+180620	5.89	18.24	0.20
337	5.65	25.72	1.922	16:00:53.04	+18:17:06.72	J160053+181706	2.07	21.57	0.72
338	3.74	24.21	1.989	16:00:53.04	+17:48:24.84	J160053+174824	4.10	20.37	0.32
339	2.65	22.08	3.147	16:00:53.04	+17:51:16.20	J160053+175116	3.90	19.05	0.20
340	4.48	25.04	1.930	16:00:53.28	+18:14:13.20	J160053+181413	3.66	20.91	0.39
341	4.56	24.82	1.661	16:00:53.52	+17:25:11.28	J160053+172511	4.96	20.44	0.33
342	7.10	24.74	2.756	16:00:53.52	+18:05:49.92	J160053+180549	3.55	19.65	0.36
343	2.82	24.16	2.061	16:00:54.24	+18:01:08.40	J160054+180108	3.01	20.61	0.51
344	3.62	24.47	1.967	16:00:54.48	+18:03:03.60	J160054+180303	3.11	20.89	0.38
345	5.52	25.41	2.988	16:00:54.48	+18:06:33.84	J160054+180633	2.13	20.87	0.56
346	4.33	24.17	2.350	16:00:54.72	+17:50:23.64	J160054+175023	3.31	19.90	0.39
347	6.44	24.71	1.423	16:00:54.72	+17:46:31.80	J160054+174631	4.48	20.32	0.32

348	5.12	24.65	1.984	16:00:54.72	+18:12:12.96	J160054+181212	3.68	20.46	0.33
349	1.61	21.01	2.148	16:00:54.72	+17:52:18.48	J160054+175218	2.52	19.21	0.21
350	3.11	23.11	3.541	16:00:54.96	+18:07:21.00	J160054+180721	3.24	19.38	0.32
351	4.74	24.82	2.094	16:00:55.20	+18:01:11.28	J160055+180111	3.29	20.53	0.50
352	5.44	24.66	2.892	16:00:55.44	+17:18:22.32	J160055+171822	3.57	20.18	0.30
353	4.59	24.75	1.918	16:00:55.68	+17:46:33.60	J160055+174633	3.97	20.63	0.35
354	4.65	24.90	2.403	16:00:55.92	+18:23:13.56	J160055+182313	2.73	20.71	0.53
355	4.71	24.89	2.561	16:00:56.16	+18:07:28.20	J160056+180728	2.53	20.67	0.52
356	4.14	23.88	6.260	16:00:56.40	+17:33:12.60	J160056+173312	2.08	19.64	0.36
357	4.29	23.57	3.470	16:00:56.64	+18:07:58.44	J160056+180758	5.11	19.35	0.22
358	4.20	23.81	2.616	16:00:56.64	+17:44:52.08	J160056+174452	4.19	19.75	0.26
359	5.01	23.56	4.859	16:00:56.88	+18:07:37.92	J160056+180737	5.64	19.00	0.20
360	5.60	24.51	3.063	16:00:57.12	+17:55:10.20	J160057+175510	3.01	19.82	0.38
361	7.31	24.53	2.391	16:00:57.36	+17:55:49.08	J160057+175549	4.80	19.38	0.23
362	7.51	24.34	2.484	16:00:57.84	+17:39:26.64	J160057+173926	5.06	18.95	0.27
363	6.32	24.27	2.304	16:00:58.08	+17:40:47.64	J160058+174047	6.43	19.18	0.21
364	3.44	23.20	2.654	16:00:58.56	+17:45:43.56	J160058+174543	4.01	19.57	0.24
365	5.30	24.27	3.486	16:00:58.56	+18:03:10.08	J160058+180310	4.43	19.66	0.25
366	5.30	24.53	1.729	16:00:58.80	+17:36:46.44	J160058+173646	5.62	19.83	0.27
367	3.99	23.52	3.933	16:00:58.80	+18:05:09.96	J160058+180509	2.38	19.83	0.27
368	2.29	21.64	2.664	16:00:58.80	+17:57:58.32	J160058+175758	3.19	19.04	0.20
369	2.24	23.83	2.396	16:00:58.80	+18:02:18.96	J160058+180218	2.47	20.77	0.55
370	5.53	25.24	2.020	16:00:58.80	+18:05:49.92	J160058+180549	2.00	21.12	0.62
371	6.63	25.59	1.951	16:00:58.80	+17:51:32.04	J160058+175132	1.67	21.30	0.66
372	3.79	23.12	3.634	16:00:59.28	+17:32:21.84	J160059+173221	3.35	19.33	0.22

373	5.96	25.40	2.437	16:00:59.28	+17:37:04.08	J160059+173704	3.26	20.60	0.51
374	6.10	24.13	2.295	16:00:59.52	+17:45:02.16	J160059+174502	5.16	19.05	0.28
375	2.85	23.81	3.270	16:00:59.76	+18:10:02.28	J160059+181002	2.01	20.36	0.47
376	4.20	24.09	*	16:00:59.76	+17:44:59.28	J160059+174459	3.91	19.74	0.37
377	10.79	23.78	2.621	16:00:60.00	+18:18:21.96	J160060+181821	9.34	17.44	0.14
378	3.71	24.30	1.691	16:01:00.24	+18:03:39.24	J160100+180339	4.24	20.42	0.33
379	3.87	23.06	4.247	16:01:00.72	+17:37:27.12	J160100+173727	3.30	19.23	0.21
380	10.46	22.82	2.493	16:01:00.72	+18:09:16.56	J160100+180916	11.40	16.45	0.09
381	5.04	25.02	1.708	16:01:00.72	+17:21:11.88	J160100+172111	3.70	20.92	0.39
382	3.59	24.63	2.500	16:01:01.20	+17:37:45.12	J160101+173745	1.87	20.92	0.58
383	5.38	24.59	1.688	16:01:01.20	+17:41:29.40	J160101+174129	5.93	19.80	0.26
384	5.22	24.26	2.029	16:01:01.20	+18:20:09.96	J160101+182009	4.62	19.49	0.33
385	5.58	25.23	1.840	16:01:01.68	+18:11:46.32	J160101+181146	2.01	21.30	0.66
386	2.99	24.34	3.296	16:01:01.92	+18:19:47.28	J160101+181947	2.04	20.85	0.56
387	5.68	24.25	3.205	16:01:02.16	+18:00:46.08	J160102+180046	3.88	19.33	0.31
388	4.12	24.53	1.902	16:01:02.40	+18:02:18.60	J160102+180218	3.64	20.61	0.35
389	6.09	24.86	2.099	16:01:02.40	+17:19:35.76	J160102+171935	5.14	19.94	0.28
390	5.38	24.66	2.364	16:01:02.64	+17:49:47.64	J160102+174947	4.82	20.00	0.28
391	4.16	23.36	3.742	16:01:02.88	+17:45:33.48	J160102+174533	4.57	19.28	0.22
392	4.79	25.17	1.607	16:01:03.12	+17:21:11.52	J160103+172111	4.10	20.96	0.39
393	4.18	23.63	2.247	16:01:03.12	+17:28:03.72	J160103+172803	4.27	19.27	0.31
394	6.51	24.57	3.260	16:01:03.36	+17:42:32.04	J160103+174232	4.41	19.73	0.26
395	2.72	23.24	3.544	16:01:03.36	+17:50:58.20	J160103+175058	2.97	19.79	0.38
396	6.20	24.85	1.908	16:01:03.60	+18:07:41.88	J160103+180741	3.13	20.56	0.34
397	6.12	25.06	2.281	16:01:03.60	+17:34:55.20	J160103+173455	4.22	20.41	0.33

398	5.43	24.93	2.423	16:01:03.60	+17:53:56.40	J160103+175356	2.73	20.46	0.49
399	1.75	22.22	2.193	16:01:03.60	+17:24:51.48	J160103+172451	1.88	19.76	0.37
400	8.65	25.87	1.977	16:01:03.60	+17:52:05.88	J160103+175205	1.85	20.67	0.53
401	6.73	25.52	2.549	16:01:03.60	+17:38:06.36	J160103+173806	2.49	20.78	0.55
402	3.19	23.97	4.224	16:01:04.08	+18:10:47.64	J160104+181047	2.14	20.33	0.46
403	5.55	22.29	4.696	16:01:04.32	+17:41:31.92	J160104+174131	6.54	17.28	0.13
404	7.70	24.81	1.805	16:01:04.32	+17:44:30.84	J160104+174430	6.43	19.34	0.22
405	1.98	22.57	2.308	16:01:04.56	+18:05:52.08	J160104+180552	1.94	19.84	0.38
406	6.10	25.03	1.934	16:01:04.80	+17:47:04.92	J160104+174704	4.13	20.50	0.34
407	5.17	24.64	2.167	16:01:04.80	+17:43:04.08	J160104+174304	4.02	20.30	0.31
408	5.44	24.99	3.656	16:01:04.80	+17:59:29.40	J160104+175929	2.04	20.53	0.50
409	4.41	24.75	1.661	16:01:05.04	+17:38:47.40	J160105+173847	4.02	20.59	0.35
410	4.89	25.38	2.937	16:01:05.28	+18:08:51.00	J160105+180851	1.90	21.29	0.66
411	4.16	24.66	3.030	16:01:05.28	+18:13:40.80	J160105+181340	2.95	20.48	0.49
412	1.94	23.13	2.042	16:01:05.52	+17:52:55.20	J160105+175255	1.91	20.44	0.48
413	4.72	25.35	1.729	16:01:05.76	+18:14:11.04	J160105+181411	2.00	21.60	0.73
414	3.79	22.99	6.075	16:01:06.00	+17:43:30.72	J160106+174330	2.51	18.93	0.27
415	3.95	23.87	2.017	16:01:06.00	+17:42:11.52	J160106+174211	3.50	20.02	0.28
416	4.66	25.18	4.152	16:01:06.00	+17:28:13.80	J160106+172813	1.97	20.72	0.54
417	5.74	26.03	*	16:01:06.24	+17:33:59.76	J160106+173359	1.73	21.91	0.81
418	6.91	26.24	1.743	16:01:06.24	+18:05:13.92	J160106+180513	1.52	21.82	0.78
419	6.02	23.31	2.015	16:01:06.48	+17:54:03.60	J160106+175403	6.28	18.15	0.19
420	4.05	24.87	1.977	16:01:06.72	+17:42:00.72	J160106+174200	1.95	21.14	0.62
421	3.43	23.72	*	16:01:06.96	+18:16:55.56	J160106+181655	2.02	19.87	0.39
422	5.23	24.46	1.883	16:01:06.96	+17:30:47.88	J160106+173047	4.00	20.14	0.30

423	7.03	24.50	1.717	16:01:06.96	+17:52:14.88	J160106+175214	5.89	19.28	0.22
424	6.74	25.05	2.456	16:01:07.44	+17:37:43.32	J160107+173743	2.68	20.18	0.44
425	2.62	22.76	3.774	16:01:07.68	+17:32:29.40	J160107+173229	3.46	19.75	0.26
426	1.73	21.38	2.091	16:01:07.68	+17:51:47.88	J160107+175147	2.17	18.92	0.27
427	5.37	22.99	3.949	16:01:07.92	+17:56:43.08	J160107+175643	5.47	18.09	0.19
428	4.94	24.21	5.019	16:01:08.16	+17:44:45.96	J160108+174445	2.27	19.73	0.37
429	5.87	24.79	2.275	16:01:08.64	+18:02:40.92	J160108+180240	3.89	19.93	0.40
430	2.80	21.83	2.579	16:01:08.88	+17:31:09.84	J160108+173109	4.15	18.72	0.18
431	3.15	23.54	3.327	16:01:09.12	+18:11:55.68	J160109+181155	2.02	19.91	0.39
432	1.99	21.69	2.417	16:01:09.12	+17:40:39.36	J160109+174039	2.77	18.90	0.26
433	2.42	22.23	3.446	16:01:09.12	+18:09:51.12	J160109+180951	2.60	19.53	0.24
434	4.91	24.32	4.357	16:01:09.60	+17:51:40.32	J160109+175140	2.81	19.84	0.38
435	4.75	22.06	3.871	16:01:09.60	+17:45:37.44	J160109+174537	5.66	17.39	0.14
436	8.00	25.07	3.112	16:01:09.84	+18:04:02.28	J160109+180402	3.48	19.71	0.37
437	6.20	24.14	1.676	16:01:10.08	+17:46:34.68	J160110+174634	6.97	18.98	0.20
438	5.95	24.42	3.126	16:01:10.32	+17:36:34.92	J160110+173634	3.99	19.76	0.26
439	4.25	24.54	1.693	16:01:10.32	+17:40:48.72	J160110+174048	4.49	20.40	0.33
440	5.55	24.80	1.744	16:01:10.32	+18:15:01.80	J160110+181501	4.98	20.14	0.30
441	4.84	24.30	1.956	16:01:10.80	+17:32:45.24	J160110+173245	4.18	20.01	0.28
442	5.13	25.00	3.175	16:01:10.80	+17:58:28.20	J160110+175828	2.50	20.49	0.49
443	5.58	24.53	2.066	16:01:11.04	+17:40:35.04	J160111+174035	4.38	19.71	0.37
444	4.14	23.76	4.214	16:01:11.04	+17:23:13.20	J160111+172313	3.12	19.81	0.26
445	5.81	23.85	4.715	16:01:11.28	+17:59:21.48	J160111+175921	4.10	19.17	0.21
446	6.16	25.79	2.756	16:01:11.28	+17:28:53.40	J160111+172853	2.16	21.16	0.63
447	2.73	23.14	3.035	16:01:11.52	+17:27:36.36	J160111+172736	2.02	19.75	0.37

448	4.70	24.62	2.150	16:01:11.52	+17:38:44.52	J160111+173844	3.11	20.38	0.47
449	1.30	20.88	1.825	16:01:11.52	+17:38:21.84	J160111+173821	2.19	18.97	0.27
450	2.43	23.17	3.019	16:01:11.76	+18:18:03.24	J160111+181803	2.02	20.04	0.42
451	4.80	23.52	4.950	16:01:12.00	+17:56:18.60	J160112+175618	5.93	19.02	0.20
452	4.40	24.79	1.588	16:01:12.24	+18:00:20.88	J160112+180020	4.09	20.69	0.36
453	5.78	24.75	2.666	16:01:12.48	+17:42:48.60	J160112+174248	3.17	20.04	0.42
454	5.98	25.10	3.292	16:01:12.48	+18:01:54.84	J160112+180154	2.47	20.30	0.46
455	5.18	25.40	2.167	16:01:12.48	+18:18:55.08	J160112+181855	2.29	21.21	0.64
456	4.71	24.64	2.502	16:01:12.48	+17:51:03.60	J160112+175103	2.62	20.39	0.47
457	6.04	25.03	*	16:01:12.72	+17:24:38.16	J160112+172438	2.62	20.57	0.51
458	5.70	25.37	2.684	16:01:13.20	+17:43:26.76	J160113+174326	1.85	20.96	0.58
459	5.87	23.78	5.461	16:01:13.20	+17:55:52.68	J160113+175552	3.81	19.04	0.20
460	4.51	24.41	2.589	16:01:13.44	+18:08:25.08	J160113+180825	3.07	20.36	0.32
461	5.43	23.93	5.070	16:01:13.68	+17:39:15.12	J160113+173915	3.27	19.41	0.23
462	3.98	23.86	1.791	16:01:13.68	+17:32:08.52	J160113+173208	4.81	19.81	0.26
463	6.15	24.30	3.097	16:01:14.16	+17:45:00.72	J160114+174500	4.07	19.25	0.30
464	4.33	24.04	2.219	16:01:14.16	+18:17:17.52	J160114+181717	4.93	19.81	0.26
465	5.85	25.07	2.831	16:01:14.16	+17:58:32.88	J160114+175832	2.40	20.48	0.49
466	6.20	25.00	1.929	16:01:14.16	+18:02:01.68	J160114+180201	3.84	20.24	0.45
467	5.54	23.64	*	16:01:14.16	+17:51:55.44	J160114+175155	5.36	18.69	0.24
468	3.94	21.64	4.187	16:01:14.16	+17:19:06.24	J160114+171906	5.44	17.68	0.12
469	5.91	24.57	2.383	16:01:14.40	+18:00:42.48	J160114+180042	4.87	19.76	0.26
470	6.14	23.86	2.635	16:01:14.40	+17:52:01.20	J160114+175201	6.11	18.68	0.24
471	4.35	24.05	1.870	16:01:14.40	+17:34:34.68	J160114+173434	4.85	19.80	0.26
472	7.27	24.36	1.840	16:01:14.64	+17:46:54.48	J160114+174654	5.41	19.09	0.29

473	2.51	23.69	3.980	16:01:14.88	+17:55:48.36	J160114+175548	1.79	20.53	0.50
474	6.06	25.10	2.097	16:01:15.36	+18:06:24.12	J160115+180624	3.46	20.28	0.45
475	3.69	22.67	3.658	16:01:15.36	+17:41:13.56	J160115+174113	3.67	18.94	0.19
476	5.01	23.69	1.988	16:01:15.60	+17:47:31.92	J160115+174731	5.26	18.92	0.27
477	4.60	24.96	2.282	16:01:15.84	+17:58:15.60	J160115+175815	2.19	20.77	0.55
478	1.59	22.96	2.559	16:01:15.84	+18:05:22.92	J160115+180522	1.95	20.61	0.51
479	1.23	22.50	2.431	16:01:16.32	+18:05:43.08	J160116+180543	1.59	20.74	0.54
480	5.29	23.15	2.216	16:01:16.32	+18:04:33.60	J160116+180433	5.57	18.50	0.16
481	3.54	23.25	2.882	16:01:16.32	+17:37:36.12	J160116+173736	3.67	19.60	0.24
482	3.46	22.99	3.295	16:01:16.32	+17:22:30.36	J160116+172230	3.52	19.41	0.23
483	13.81	22.08	2.160	16:01:16.32	+17:40:41.16	J160116+174041	17.77	15.05	0.05
484	5.93	24.58	3.466	16:01:16.32	+17:39:39.96	J160116+173939	4.03	19.86	0.27
485	8.66	21.19	2.223	16:01:16.56	+17:46:03.72	J160116+174603	12.51	15.17	0.05
486	5.94	24.93	2.124	16:01:16.56	+18:06:43.92	J160116+180643	2.32	20.54	0.50
487	5.09	24.02	4.149	16:01:16.56	+17:42:07.20	J160116+174207	3.01	19.73	0.26
488	5.68	25.70	2.356	16:01:16.56	+18:09:20.52	J160116+180920	1.93	21.54	0.71
489	5.56	25.24	2.040	16:01:16.80	+17:38:55.68	J160116+173855	1.64	21.35	0.67
490	4.66	24.84	2.349	16:01:16.80	+17:42:54.72	J160116+174254	1.64	21.03	0.60
491	5.10	24.13	6.878	16:01:17.04	+17:57:38.88	J160117+175738	2.89	19.65	0.25
492	1.72	22.50	2.517	16:01:17.28	+17:58:23.16	J160117+175823	2.12	20.02	0.41
493	4.40	23.78	3.772	16:01:17.52	+17:26:48.84	J160117+172648	5.13	19.48	0.23
494	4.06	24.74	1.847	16:01:17.76	+17:52:09.12	J160117+175209	2.11	21.22	0.64
495	1.43	21.35	1.498	16:01:18.00	+17:24:38.52	J160118+172438	2.10	19.25	0.30
496	1.28	21.28	1.465	16:01:18.00	+17:23:58.56	J160118+172358	2.01	19.41	0.32
497	4.12	24.36	2.287	16:01:18.24	+17:51:30.96	J160118+175130	2.88	20.32	0.46

498	5.36	25.02	2.586	16:01:18.24	+17:42:11.88	J160118+174211	2.87	20.40	0.48
499	4.11	24.08	2.329	16:01:18.48	+17:34:31.08	J160118+173431	3.98	20.07	0.29
500	5.18	25.34	4.224	16:01:18.72	+18:17:15.36	J160118+181715	1.70	20.86	0.56
501	4.43	24.52	2.741	16:01:18.72	+17:30:29.52	J160118+173029	3.78	20.34	0.32
502	3.94	24.69	3.055	16:01:19.20	+18:06:55.08	J160119+180655	2.29	20.73	0.54
503	7.75	24.26	1.593	16:01:19.20	+17:25:58.08	J160119+172558	8.05	18.65	0.17
504	4.62	24.36	3.885	16:01:19.20	+18:10:18.48	J160119+181018	1.96	20.06	0.42
505	3.24	23.53	3.429	16:01:19.20	+17:25:02.64	J160119+172502	2.02	19.81	0.38
506	7.37	23.06	3.636	16:01:19.44	+17:33:23.40	J160119+173323	8.02	17.45	0.14
507	3.79	22.73	3.827	16:01:19.68	+17:27:55.44	J160119+172755	4.76	18.84	0.19
508	4.63	23.92	2.157	16:01:19.92	+17:19:19.20	J160119+171919	5.07	19.56	0.24
509	5.00	24.75	1.566	16:01:20.16	+17:58:45.48	J160120+175845	4.51	20.36	0.32
510	5.07	24.29	4.291	16:01:20.16	+17:18:24.48	J160120+171824	3.46	19.96	0.28
511	6.35	24.18	2.308	16:01:20.40	+17:38:25.80	J160120+173825	5.75	19.14	0.21
512	12.48	26.39	*	16:01:20.40	+18:10:47.64	J160120+181047	3.14	20.68	0.53
513	4.66	24.59	1.615	16:01:20.40	+17:26:56.76	J160120+172656	4.83	20.23	0.31
514	7.47	25.26	1.750	16:01:20.64	+17:58:17.76	J160120+175817	5.55	20.03	0.29
515	6.03	24.98	1.669	16:01:20.88	+17:43:04.80	J160120+174304	4.63	20.34	0.32
516	6.48	23.96	6.918	16:01:20.88	+17:43:23.16	J160120+174323	2.42	19.02	0.20
517	4.83	25.30	1.795	16:01:21.12	+18:08:12.12	J160121+180812	1.62	21.36	0.67
518	5.65	25.39	2.106	16:01:21.12	+18:00:01.08	J160121+180001	3.59	21.03	0.40
519	4.38	23.97	3.367	16:01:21.36	+17:39:28.44	J160121+173928	3.26	19.99	0.28
520	4.52	24.97	2.110	16:01:21.36	+17:22:45.84	J160121+172245	3.46	20.85	0.38
521	6.04	25.30	*	16:01:21.36	+17:42:50.40	J160121+174250	2.36	20.65	0.52
522	2.63	23.69	2.840	16:01:21.60	+18:09:01.08	J160121+180901	2.78	20.31	0.46

523	5.42	24.82	1.849	16:01:21.60	+18:13:52.32	J160121+181352	3.08	20.82	0.38
524	3.58	24.81	1.284	16:01:21.84	+17:22:59.16	J160121+172259	3.93	21.01	0.40
525	4.76	24.87	2.113	16:01:21.84	+18:08:09.24	J160121+180809	2.88	20.67	0.53
526	5.14	24.05	4.642	16:01:21.84	+17:20:37.68	J160121+172037	3.07	19.70	0.25
527	4.50	25.10	1.957	16:01:22.08	+18:11:15.36	J160122+181115	3.04	20.84	0.56
528	3.21	22.96	1.723	16:01:22.08	+17:28:46.20	J160122+172846	4.04	19.45	0.23
529	7.04	24.81	1.914	16:01:22.08	+17:53:17.52	J160122+175317	4.25	19.79	0.38
530	4.76	24.43	1.731	16:01:22.56	+17:48:51.48	J160122+174851	5.29	19.94	0.28
531	5.81	23.78	2.191	16:01:22.56	+17:27:41.40	J160122+172741	5.34	18.75	0.25
532	5.23	25.22	1.947	16:01:23.04	+18:11:09.96	J160123+181109	2.55	21.07	0.61
533	5.51	25.00	4.006	16:01:23.04	+18:02:01.32	J160123+180201	2.35	20.37	0.47
534	5.04	24.28	1.639	16:01:23.28	+17:53:40.20	J160123+175340	5.61	19.66	0.25
535	5.51	24.12	3.648	16:01:23.52	+18:03:39.60	J160123+180339	5.06	19.42	0.23
536	3.51	23.85	2.875	16:01:24.00	+17:47:44.16	J160124+174744	2.84	19.91	0.40
537	4.94	22.62	3.277	16:01:24.24	+17:53:24.72	J160124+175324	5.02	17.90	0.17
538	4.89	25.22	1.995	16:01:24.48	+17:36:58.32	J160124+173658	3.88	20.86	0.38
539	5.30	24.50	2.358	16:01:24.48	+17:32:15.36	J160124+173215	5.86	19.74	0.26
540	4.41	24.66	1.509	16:01:24.48	+17:28:59.88	J160124+172859	4.70	20.40	0.33
541	3.08	23.73	2.000	16:01:24.48	+17:19:20.28	J160124+171920	3.28	20.40	0.32
542	3.42	24.35	1.782	16:01:24.72	+17:55:22.08	J160124+175522	2.76	20.50	0.49
543	2.77	22.71	3.470	16:01:24.96	+17:38:46.68	J160124+173846	3.66	19.56	0.24
544	3.13	24.12	2.141	16:01:25.44	+17:53:31.92	J160125+175331	3.01	20.42	0.48
545	1.69	22.17	5.722	16:01:25.44	+17:27:25.20	J160125+172725	2.01	19.75	0.37
546	17.89	23.33	2.997	16:01:25.92	+18:01:29.28	J160125+180129	16.37	15.85	0.07
547	12.92	25.77	1.756	16:01:26.40	+17:30:07.56	J160126+173007	3.62	19.64	0.35

548	6.25	24.70	2.713	16:01:26.40	+17:30:07.92	J160126+173007	3.46	19.75	0.37
549	2.67	22.38	2.263	16:01:26.40	+17:51:09.72	J160126+175109	3.41	19.39	0.23
550	2.91	23.16	2.434	16:01:26.64	+18:13:50.88	J160126+181350	3.61	19.91	0.27
551	5.46	23.42	4.345	16:01:26.64	+17:36:57.24	J160126+173657	3.47	18.81	0.18
552	4.64	23.05	3.735	16:01:26.64	+17:36:56.88	J160126+173656	3.46	18.83	0.18
553	3.19	24.78	1.489	16:01:26.64	+18:12:08.28	J160126+181208	3.54	21.29	0.44
554	6.25	25.33	2.127	16:01:26.88	+17:41:01.68	J160126+174101	2.48	20.73	0.54
555	3.80	24.63	3.165	16:01:26.88	+17:34:10.56	J160126+173410	1.96	20.71	0.53
556	6.88	25.21	1.714	16:01:26.88	+17:18:11.52	J160126+171811	5.39	20.21	0.30
557	5.22	24.48	2.640	16:01:26.88	+17:44:02.40	J160126+174402	2.71	20.08	0.42
558	4.46	24.29	1.566	16:01:27.12	+17:40:27.84	J160127+174027	5.05	19.96	0.28
559	4.93	25.07	2.075	16:01:27.12	+17:25:00.84	J160127+172500	3.68	20.73	0.36
560	5.07	24.59	1.715	16:01:27.36	+17:26:25.44	J160127+172625	5.49	19.98	0.28
561	5.97	24.38	1.859	16:01:27.36	+17:51:47.88	J160127+175147	6.72	19.31	0.22
562	4.25	24.89	1.787	16:01:27.84	+17:34:53.76	J160127+173453	2.48	21.20	0.64
563	5.68	25.18	1.741	16:01:27.84	+18:04:20.64	J160127+180420	4.02	20.81	0.37
564	4.49	24.17	3.594	16:01:27.84	+18:10:09.12	J160127+181009	5.12	19.84	0.27
565	15.90	24.44	2.225	16:01:27.84	+17:54:50.04	J160127+175450	11.61	17.35	0.11
566	8.91	22.03	3.755	16:01:27.84	+17:54:05.40	J160127+175405	10.85	15.98	0.08
567	6.66	24.42	3.196	16:01:27.84	+17:49:08.40	J160127+174908	5.39	19.31	0.22
568	6.00	24.10	2.255	16:01:27.84	+17:53:18.24	J160127+175318	5.30	19.22	0.21
569	4.00	24.70	2.127	16:01:28.08	+18:07:08.04	J160128+180708	2.88	20.70	0.53
570	4.82	24.14	4.066	16:01:28.32	+17:37:35.40	J160128+173735	3.65	19.83	0.27
571	3.42	24.56	1.882	16:01:28.80	+17:34:42.24	J160128+173442	2.64	20.90	0.57
572	5.79	24.72	2.114	16:01:28.80	+17:46:39.36	J160128+174639	1.67	20.24	0.45

573	6.22	23.62	4.910	16:01:29.04	+17:50:06.36	J160129+175006	3.84	18.61	0.23
574	7.33	25.16	1.766	16:01:29.04	+17:40:00.84	J160129+174000	4.23	20.15	0.43
575	2.20	23.27	3.340	16:01:29.04	+18:15:14.04	J160129+181514	1.87	20.36	0.47
576	5.09	24.86	*	16:01:29.28	+17:39:54.00	J160129+173954	3.10	20.61	0.51
577	4.71	24.43	3.368	16:01:29.52	+17:25:00.48	J160129+172500	2.58	20.13	0.43
578	1.39	21.62	*	16:01:29.76	+18:00:52.20	J160129+180052	2.03	19.56	0.34
579	5.24	24.16	3.002	16:01:29.76	+17:59:49.92	J160129+175949	5.36	19.53	0.24
580	1.53	21.78	1.586	16:01:29.76	+17:56:49.56	J160129+175649	1.99	19.56	0.34
581	4.94	23.43	4.931	16:01:29.76	+18:00:46.80	J160129+180046	3.58	19.13	0.21
582	6.12	24.99	1.927	16:01:30.00	+18:02:55.32	J160130+180255	2.55	20.65	0.52
583	6.22	24.42	2.055	16:01:30.00	+17:51:14.04	J160130+175114	4.95	19.61	0.25
584	6.31	24.37	2.582	16:01:30.24	+17:42:32.40	J160130+174232	5.50	19.38	0.23
585	1.79	22.17	2.068	16:01:30.24	+17:31:35.04	J160130+173135	2.26	19.61	0.35
586	5.06	24.40	4.229	16:01:30.72	+17:55:35.40	J160130+175535	1.95	19.98	0.41
587	2.42	23.51	4.654	16:01:30.96	+18:04:42.24	J160130+180442	2.18	20.41	0.48
588	13.01	23.71	2.799	16:01:31.20	+18:01:43.68	J160131+180143	10.57	16.99	0.12
589	2.28	20.80	2.435	16:01:31.20	+17:40:44.40	J160131+174044	3.24	17.72	0.16
590	6.76	24.97	1.555	16:01:31.44	+17:18:02.88	J160131+171802	6.92	19.69	0.25
591	6.78	23.14	2.415	16:01:31.44	+18:00:05.04	J160131+180005	6.78	17.75	0.16
592	4.32	25.18	1.631	16:01:31.68	+18:08:12.84	J160131+180812	2.43	21.78	0.52
593	4.99	25.05	2.457	16:01:31.68	+17:37:01.20	J160131+173701	1.98	20.91	0.57
594	5.49	24.26	1.807	16:01:31.92	+17:36:31.32	J160131+173631	5.82	19.48	0.23
595	4.53	25.00	2.108	16:01:31.92	+18:08:25.44	J160131+180825	2.85	20.95	0.58
596	3.71	24.92	2.164	16:01:31.92	+17:33:14.40	J160131+173314	2.31	21.29	0.66
597	4.27	24.04	3.319	16:01:32.16	+17:37:21.36	J160132+173721	3.44	20.02	0.28

598	4.22	24.51	2.369	16:01:32.16	+18:02:50.28	J160132+180250	2.10	20.64	0.52
599	5.68	24.36	3.393	16:01:32.16	+18:07:22.08	J160132+180722	3.35	19.53	0.34
600	4.70	22.95	3.232	16:01:32.40	+17:33:50.76	J160132+173350	3.13	18.73	0.18
601	8.43	24.27	2.201	16:01:32.40	+17:25:51.96	J160132+172551	6.82	18.51	0.23
602	7.00	24.80	1.854	16:01:32.40	+17:52:48.72	J160132+175248	6.48	19.52	0.24
603	4.08	24.31	2.805	16:01:32.88	+17:57:44.28	J160132+175744	1.92	20.44	0.48
604	4.95	25.10	1.933	16:01:32.88	+17:47:50.64	J160132+174750	2.08	21.13	0.62
605	8.11	25.42	2.912	16:01:32.88	+17:43:35.76	J160132+174335	1.88	20.39	0.47
606	6.33	22.44	3.420	16:01:33.12	+17:41:36.24	J160133+174136	6.88	17.17	0.13
607	8.39	25.36	2.499	16:01:33.12	+17:45:34.56	J160133+174534	3.34	20.00	0.41
608	2.90	24.27	2.495	16:01:33.84	+18:11:01.32	J160133+181101	1.68	20.98	0.59
609	5.11	24.82	2.213	16:01:34.08	+17:54:27.00	J160134+175427	2.84	20.49	0.49
610	4.05	23.35	6.167	16:01:34.08	+18:01:05.52	J160134+180105	2.24	19.14	0.29
611	4.55	23.47	4.543	16:01:34.32	+17:34:03.00	J160134+173403	2.20	19.48	0.23
612	4.43	24.84	1.887	16:01:34.56	+17:32:34.44	J160134+173234	3.26	20.74	0.54
613	4.96	24.96	1.999	16:01:34.56	+18:06:14.04	J160134+180614	3.40	20.71	0.36
614	5.79	25.12	2.344	16:01:34.56	+17:57:31.68	J160134+175731	2.00	20.79	0.55
615	6.03	25.05	1.577	16:01:34.80	+17:28:56.64	J160134+172856	4.64	20.52	0.34
616	5.68	24.65	3.152	16:01:35.04	+17:59:23.28	J160135+175923	1.97	19.99	0.41
617	5.20	24.24	3.839	16:01:35.04	+17:52:30.36	J160135+175230	2.61	19.68	0.36
618	4.03	24.25	2.481	16:01:35.28	+17:25:44.04	J160135+172544	4.01	20.28	0.31
619	7.05	24.63	2.426	16:01:35.28	+17:52:48.36	J160135+175248	4.95	19.40	0.32
620	6.50	24.36	2.692	16:01:35.28	+17:54:38.88	J160135+175438	3.02	19.57	0.35
621	5.51	25.42	2.171	16:01:35.28	+18:19:23.16	J160135+181923	1.44	21.44	0.69
622	6.87	23.43	2.841	16:01:35.28	+17:32:54.96	J160135+173254	3.13	18.11	0.19

623	5.20	24.58	1.796	16:01:35.52	+17:20:01.68	J160135+172001	5.41	19.94	0.28
624	5.10	24.53	3.950	16:01:35.76	+18:00:28.08	J160135+180028	2.71	19.92	0.40
625	1.36	22.32	*	16:01:35.76	+17:32:58.56	J160135+173258	1.85	20.30	0.46
626	5.22	24.05	2.383	16:01:36.24	+17:23:42.00	J160136+172342	4.06	19.41	0.32
627	4.85	25.11	3.472	16:01:36.48	+18:14:05.64	J160136+181405	1.92	20.82	0.56
628	1.49	21.33	1.483	16:01:36.48	+18:11:44.16	J160136+181144	2.34	19.12	0.29
629	6.26	24.58	2.551	16:01:36.72	+17:40:31.80	J160136+174031	3.22	19.83	0.38
630	6.90	24.65	5.781	16:01:36.72	+17:18:18.36	J160136+171818	2.14	19.88	0.27
631	3.57	23.21	2.101	16:01:36.96	+17:58:18.84	J160136+175818	4.20	19.11	0.29
632	3.73	23.42	3.143	16:01:37.20	+17:24:46.44	J160137+172446	4.49	19.55	0.24
633	4.64	23.17	3.752	16:01:37.44	+17:49:32.52	J160137+174932	4.61	18.60	0.23
634	3.89	24.10	2.622	16:01:37.68	+17:40:58.44	J160137+174058	3.46	19.99	0.41
635	3.92	23.00	*	16:01:37.68	+17:49:30.36	J160137+174930	4.14	18.77	0.25
636	2.03	21.51	2.562	16:01:37.92	+17:52:59.88	J160137+175259	2.90	19.20	0.21
637	3.24	24.35	3.682	16:01:38.16	+17:41:15.72	J160138+174115	2.34	20.73	0.54
638	4.84	24.66	3.531	16:01:38.16	+18:03:13.68	J160138+180313	2.06	20.43	0.48
639	5.18	25.34	2.238	16:01:38.16	+17:40:45.84	J160138+174045	2.00	21.30	0.66
640	5.24	25.44	2.449	16:01:38.64	+17:57:28.44	J160138+175728	1.92	21.14	0.62
641	5.16	25.47	2.403	16:01:38.64	+17:37:26.76	J160138+173726	2.47	21.13	0.62
642	4.64	24.84	1.808	16:01:38.64	+17:38:52.08	J160138+173852	3.53	20.73	0.37
643	4.59	23.92	5.259	16:01:38.88	+17:25:43.32	J160138+172543	1.93	19.89	0.27
644	7.12	24.84	1.645	16:01:38.88	+17:19:10.92	J160138+171910	7.78	19.34	0.22
645	4.44	24.14	2.411	16:01:38.88	+17:29:35.88	J160138+172935	4.91	19.85	0.27
646	5.13	24.52	2.980	16:01:38.88	+18:03:19.80	J160138+180319	3.41	20.22	0.30
647	3.77	24.95	1.897	16:01:39.12	+17:44:59.28	J160139+174459	2.24	21.28	0.65

648	6.27	25.24	1.954	16:01:39.36	+18:03:51.48	J160139+180351	3.55	20.46	0.49
649	4.21	24.85	2.572	16:01:39.36	+18:09:55.08	J160139+180955	1.74	21.16	0.63
650	4.93	24.88	3.276	16:01:39.36	+18:00:08.28	J160139+180008	2.58	20.43	0.48
651	6.54	23.58	1.642	16:01:39.36	+17:55:51.96	J160139+175551	2.95	19.25	0.22
652	2.81	23.91	4.741	16:01:39.36	+17:35:52.08	J160139+173552	1.84	20.51	0.50
653	2.77	23.49	5.629	16:01:39.60	+18:11:34.08	J160139+181134	2.26	20.07	0.42
654	5.62	24.97	2.434	16:01:39.84	+17:42:56.52	J160139+174256	2.00	20.57	0.51
655	4.84	25.94	1.638	16:01:40.08	+18:16:57.72	J160140+181657	1.73	22.03	0.84
656	4.74	24.59	3.924	16:01:40.08	+17:41:36.24	J160140+174136	1.89	20.21	0.44
657	5.22	25.62	1.948	16:01:40.32	+17:31:51.24	J160140+173151	1.75	21.52	0.71
658	3.79	23.29	4.261	16:01:40.80	+17:38:10.32	J160140+173810	4.13	19.46	0.23
659	4.33	24.07	5.561	16:01:40.80	+17:45:14.04	J160140+174514	1.91	19.80	0.38
660	9.62	24.55	1.845	16:01:41.04	+17:22:36.12	J160141+172236	10.50	18.34	0.15
661	6.27	25.68	1.872	16:01:41.04	+17:34:46.92	J160141+173446	2.52	21.43	0.69
662	4.17	24.83	1.626	16:01:41.28	+17:44:20.40	J160141+174420	1.68	20.92	0.57
663	8.90	21.77	3.332	16:01:41.52	+17:57:03.60	J160141+175703	11.53	15.73	0.07
664	5.41	25.57	1.609	16:01:41.52	+18:08:09.60	J160141+180809	3.88	21.35	0.45
665	3.35	24.34	2.724	16:01:42.00	+17:23:36.24	J160142+172336	2.78	20.58	0.51
666	3.73	24.28	2.348	16:01:42.00	+17:18:20.88	J160142+171820	2.59	20.85	0.38
667	4.86	24.75	1.520	16:01:42.00	+18:12:11.16	J160142+181211	4.80	20.32	0.32
668	9.77	22.12	1.426	16:01:42.48	+17:27:22.68	J160142+172722	11.55	15.90	0.06
669	1.61	22.55	3.232	16:01:42.48	+18:14:22.92	J160142+181422	2.01	20.19	0.44
670	4.41	24.73	3.543	16:01:42.72	+17:40:26.76	J160142+174026	2.20	20.53	0.50
671	5.81	25.43	2.280	16:01:42.72	+17:31:31.80	J160142+173131	2.23	21.06	0.60
672	5.43	25.06	2.532	16:01:42.72	+17:36:46.08	J160142+173646	3.39	20.67	0.36

673	3.66	23.57	2.533	16:01:42.96	+18:07:42.96	J160142+180742	4.02	19.80	0.26
674	5.07	25.00	2.329	16:01:43.20	+17:55:12.72	J160143+175512	1.85	20.84	0.56
675	3.22	24.43	2.291	16:01:43.20	+18:03:07.92	J160143+180307	2.77	20.78	0.55
676	5.05	24.93	3.064	16:01:43.44	+18:13:35.04	J160143+181335	3.24	20.29	0.46
677	5.42	24.39	4.511	16:01:43.68	+17:45:33.84	J160143+174533	2.43	19.73	0.37
678	3.68	23.36	3.841	16:01:43.68	+17:28:14.16	J160143+172814	3.23	19.31	0.31
679	5.18	25.09	1.752	16:01:43.92	+17:56:29.76	J160143+175629	3.88	20.79	0.37
680	4.27	23.69	3.498	16:01:44.16	+17:40:32.16	J160144+174032	4.89	19.50	0.24
681	5.80	25.24	2.118	16:01:44.40	+17:59:27.60	J160144+175927	3.38	20.48	0.49
682	5.52	24.93	2.172	16:01:44.64	+17:59:48.12	J160144+175948	2.96	20.79	0.37
683	5.29	25.07	2.273	16:01:44.64	+17:39:48.24	J160144+173948	2.57	20.75	0.54
684	5.64	23.61	4.698	16:01:44.88	+17:53:42.00	J160144+175342	4.95	18.86	0.19
685	5.83	25.78	2.069	16:01:44.88	+18:02:38.04	J160144+180238	1.88	21.64	0.74
686	4.32	25.23	1.996	16:01:44.88	+17:27:23.40	J160144+172723	1.77	21.40	0.68
687	4.96	24.26	2.457	16:01:44.88	+17:33:12.96	J160144+173312	3.56	19.89	0.27
688	5.18	24.73	1.815	16:01:45.12	+18:08:13.92	J160145+180813	5.52	20.08	0.29
689	5.84	23.25	3.190	16:01:45.36	+17:43:17.76	J160145+174317	6.41	18.33	0.15
690	2.94	23.26	2.517	16:01:45.36	+18:08:34.08	J160145+180834	3.62	19.97	0.28
691	4.58	23.81	3.917	16:01:45.36	+18:06:01.44	J160145+180601	3.26	19.66	0.25
692	5.96	22.74	5.242	16:01:45.36	+18:13:30.00	J160145+181330	5.50	17.64	0.16
693	8.33	22.68	2.991	16:01:45.36	+18:01:09.84	J160145+180109	9.48	16.77	0.11
694	4.51	24.20	1.715	16:01:45.84	+17:36:46.80	J160145+173646	4.24	19.99	0.28
695	2.20	22.01	3.030	16:01:45.84	+17:58:00.48	J160145+175800	2.46	19.04	0.28
696	4.41	24.81	2.345	16:01:45.84	+18:14:41.64	J160145+181441	2.60	20.72	0.53
697	5.49	25.26	1.598	16:01:46.08	+18:08:16.44	J160146+180816	4.52	20.72	0.36

698	3.29	23.57	5.691	16:01:46.32	+18:03:50.76	J160146+180350	2.26	19.79	0.38
699	6.71	24.62	2.409	16:01:46.80	+18:16:40.44	J160146+181640	4.78	19.46	0.33
700	5.18	25.22	1.472	16:01:46.80	+17:33:05.76	J160146+173305	4.64	20.76	0.37
701	6.01	25.28	2.474	16:01:47.04	+17:24:00.36	J160147+172400	2.19	20.81	0.55
702	3.09	23.14	3.119	16:01:47.04	+17:20:49.20	J160147+172049	2.37	19.88	0.27
703	7.81	24.48	1.703	16:01:47.04	+17:18:41.76	J160147+171841	8.59	18.78	0.18
704	2.28	23.93	*	16:01:47.28	+17:49:35.04	J160147+174935	2.17	20.93	0.58
705	7.46	23.29	1.272	16:01:47.28	+17:38:18.24	J160147+173818	8.31	17.57	0.15
706	7.05	24.37	2.060	16:01:47.52	+17:49:41.88	J160147+174941	4.93	19.07	0.28
707	1.63	21.43	2.095	16:01:47.76	+17:20:18.60	J160147+172018	2.52	19.61	0.25
708	4.51	22.69	2.567	16:01:47.76	+17:28:34.68	J160147+172834	4.80	18.16	0.19
709	4.76	22.29	3.695	16:01:47.76	+17:38:12.84	J160147+173812	5.96	17.80	0.13
710	4.21	23.32	4.607	16:01:48.00	+17:45:00.72	J160148+174500	3.35	19.32	0.22
711	5.66	24.88	2.307	16:01:48.48	+18:00:21.24	J160148+180021	2.94	20.35	0.47
712	6.38	25.23	1.932	16:01:48.48	+18:04:54.48	J160148+180454	2.68	20.73	0.54
713	4.77	24.70	1.609	16:01:48.72	+17:45:30.96	J160148+174530	4.02	20.21	0.44
714	4.50	24.76	2.572	16:01:48.96	+17:39:29.16	J160148+173929	1.96	20.66	0.52
715	2.20	22.11	2.494	16:01:48.96	+18:02:45.24	J160148+180245	3.46	19.54	0.24
716	3.84	24.61	3.057	16:01:48.96	+18:17:51.36	J160148+181751	2.36	20.67	0.52
717	5.58	25.15	1.857	16:01:49.20	+17:28:58.44	J160149+172858	4.41	20.58	0.35
718	7.01	24.62	1.749	16:01:49.44	+17:52:04.08	J160149+175204	7.31	19.23	0.21
719	5.40	25.33	1.628	16:01:49.44	+17:45:14.76	J160149+174514	1.71	21.47	0.70
720	15.23	23.48	1.839	16:01:49.44	+17:38:26.16	J160149+173826	15.53	16.31	0.09
721	4.96	25.55	2.148	16:01:49.44	+18:17:15.00	J160149+181715	1.56	21.75	0.76
722	7.70	23.26	2.827	16:01:49.44	+18:01:46.20	J160149+180146	7.00	17.61	0.15

723	5.24	25.05	1.992	16:01:49.68	+18:14:52.44	J160149+181452	2.94	20.75	0.54
724	4.92	24.69	3.754	16:01:49.68	+17:40:12.36	J160149+174012	2.77	20.52	0.34
725	5.13	23.59	5.250	16:01:49.92	+17:55:23.52	J160149+175523	3.41	19.18	0.21
726	6.33	24.99	1.883	16:01:49.92	+18:12:15.48	J160149+181215	5.01	20.01	0.28
727	3.26	23.86	2.169	16:01:49.92	+17:53:41.64	J160149+175341	3.51	20.01	0.41
728	7.39	24.72	1.961	16:01:50.16	+17:59:30.12	J160150+175930	6.43	19.37	0.23
729	4.99	23.03	4.521	16:01:50.16	+17:49:02.28	J160150+174902	4.47	18.31	0.21
730	5.08	24.32	3.195	16:01:50.16	+17:28:30.36	J160150+172830	3.51	20.08	0.29
731	3.74	24.84	2.108	16:01:50.64	+18:14:39.12	J160150+181439	2.15	21.29	0.65
732	4.14	23.39	3.809	16:01:50.64	+18:07:37.92	J160150+180737	3.56	19.41	0.23
733	12.18	22.59	5.339	16:01:50.88	+17:59:44.52	J160150+175944	11.08	15.94	0.07
734	1.43	21.29	1.415	16:01:50.88	+18:20:24.72	J160150+182024	2.09	19.21	0.30
735	1.45	21.92	2.593	16:01:50.88	+17:25:33.60	J160150+172533	1.98	19.80	0.38
736	1.46	20.76	2.041	16:01:51.12	+17:52:47.28	J160151+175247	2.42	19.22	0.21
737	5.64	25.61	1.939	16:01:51.12	+17:33:57.96	J160151+173357	1.66	21.15	0.62
738	4.46	24.55	1.532	16:01:51.12	+17:24:50.40	J160151+172450	4.88	20.24	0.31
739	16.45	20.85	2.984	16:01:51.36	+17:57:26.64	J160151+175726	25.43	13.43	0.02
740	6.01	25.62	2.200	16:01:51.60	+18:04:16.68	J160151+180416	2.17	21.25	0.65
741	4.02	24.92	2.789	16:01:51.60	+18:10:03.72	J160151+181003	2.29	20.93	0.58
742	5.39	25.39	*	16:01:51.60	+18:14:14.64	J160151+181414	1.88	20.89	0.57
743	4.03	24.74	1.999	16:01:51.60	+17:34:49.80	J160151+173449	2.22	21.19	0.63
744	5.98	24.24	3.438	16:01:51.60	+17:50:52.08	J160151+175052	5.32	19.36	0.22
745	5.69	21.74	2.908	16:01:51.84	+17:55:41.16	J160151+175541	6.53	16.69	0.10
746	6.75	23.34	2.389	16:01:51.84	+18:03:55.44	J160151+180355	6.03	17.99	0.18
747	3.36	23.53	2.790	16:01:51.84	+17:48:51.12	J160151+174851	4.07	19.90	0.27

748	4.94	25.51	2.274	16:01:51.84	+17:26:09.60	J160151+172609	1.61	21.67	0.74
749	5.91	25.15	*	16:01:51.84	+18:14:08.52	J160151+181408	2.02	20.53	0.50
750	6.67	25.61	*	16:01:51.84	+18:03:44.64	J160151+180344	1.48	21.32	0.66
751	5.69	24.27	1.777	16:01:51.84	+17:23:56.04	J160151+172356	5.43	19.28	0.31
752	5.01	24.50	2.418	16:01:52.08	+17:18:37.80	J160152+171837	4.07	20.19	0.30
753	3.51	24.52	4.313	16:01:52.08	+17:23:27.96	J160152+172327	1.63	20.74	0.54
754	6.94	25.41	1.923	16:01:52.08	+18:04:26.04	J160152+180426	2.85	20.87	0.56
755	4.17	24.53	2.537	16:01:52.56	+17:18:16.20	J160152+171816	3.41	20.60	0.35
756	3.60	24.38	1.694	16:01:52.56	+17:18:09.36	J160152+171809	3.62	20.69	0.36
757	2.33	23.01	2.542	16:01:53.28	+17:51:37.80	J160153+175137	3.12	20.31	0.31
758	4.75	25.36	2.865	16:01:53.04	+17:28:23.88	J160153+172823	2.31	21.04	0.60
759	5.68	24.60	1.572	16:01:53.04	+17:45:51.48	J160153+174551	6.28	19.67	0.25
760	5.43	24.33	2.721	16:01:53.28	+17:34:51.96	J160153+173451	3.61	20.00	0.28
761	5.44	25.71	2.593	16:01:53.28	+18:19:18.84	J160153+181918	1.89	21.37	0.67
762	5.34	24.41	2.552	16:01:53.28	+17:58:19.92	J160153+175819	3.35	19.84	0.38
763	4.57	23.69	4.680	16:01:53.28	+17:50:02.76	J160153+175002	2.85	19.26	0.31
764	4.04	24.56	1.518	16:01:53.52	+18:04:00.12	J160153+180400	4.11	20.57	0.34
765	4.12	23.08	4.784	16:01:53.52	+18:12:50.04	J160153+181250	3.51	18.81	0.25
766	1.63	21.45	2.478	16:01:53.76	+17:31:01.20	J160153+173101	2.51	19.62	0.25
767	4.23	24.75	1.551	16:01:53.76	+18:06:50.40	J160153+180650	4.73	20.53	0.34
768	5.08	25.07	1.964	16:01:54.00	+18:02:04.92	J160154+180204	3.22	20.68	0.53
769	1.63	23.09	4.861	16:01:54.00	+18:16:57.00	J160154+181657	1.87	20.72	0.54
770	3.51	24.09	3.521	16:01:54.24	+17:51:35.64	J160154+175135	2.27	20.31	0.46
771	5.88	25.06	2.159	16:01:54.24	+17:18:04.32	J160154+171804	4.60	20.33	0.32
772	2.24	23.28	2.685	16:01:54.48	+17:43:07.68	J160154+174307	2.44	20.26	0.45

773	3.16	24.18	1.532	16:01:54.48	+17:28:57.36	J160154+172857	3.67	20.70	0.36
774	4.98	24.46	1.768	16:01:54.48	+17:42:14.40	J160154+174214	5.43	19.85	0.27
775	5.08	24.46	1.939	16:01:54.48	+17:29:42.00	J160154+172942	3.53	20.29	0.31
776	4.44	24.55	2.568	16:01:54.72	+17:35:15.72	J160154+173515	2.70	20.85	0.38
777	2.25	23.29	5.087	16:01:54.48	+17:35:32.28	J160154+173532	1.93	20.31	0.46
778	5.00	24.57	2.328	16:01:54.96	+17:33:45.36	J160154+173345	5.00	20.06	0.29
779	3.67	24.36	3.919	16:01:54.96	+18:12:20.16	J160154+181220	2.02	20.53	0.50
780	7.38	22.09	5.326	16:01:54.96	+18:18:28.44	J160154+181828	8.69	16.47	0.09
781	7.52	25.03	2.703	16:01:55.20	+17:29:54.96	J160155+172954	4.40	19.92	0.27
782	4.47	23.84	2.989	16:01:55.20	+17:55:59.52	J160155+175559	5.16	19.53	0.24
783	2.88	23.85	1.850	16:01:55.44	+18:02:58.92	J160155+180258	3.19	20.23	0.45
784	5.70	24.99	2.820	16:01:55.44	+18:02:59.28	J160155+180259	3.13	20.20	0.44
785	5.02	24.32	1.585	16:01:55.44	+17:49:51.96	J160155+174951	5.55	19.71	0.25
786	6.45	24.44	2.280	16:01:55.68	+18:11:55.32	J160155+181155	4.86	19.25	0.30
787	5.33	25.49	2.146	16:01:55.68	+18:09:35.28	J160155+180935	1.49	21.47	0.70
788	5.37	24.91	3.167	16:01:55.92	+18:12:27.00	J160155+181227	2.67	20.32	0.46
789	4.87	24.58	1.573	16:01:55.92	+17:48:43.92	J160155+174843	4.68	20.19	0.30
790	5.54	24.47	2.566	16:01:56.16	+17:46:13.08	J160156+174613	3.78	19.67	0.36
791	4.24	24.71	1.927	16:01:56.16	+17:18:43.56	J160156+171843	3.47	20.79	0.37
792	4.74	24.88	2.118	16:01:56.64	+17:18:46.44	J160156+171846	3.10	20.98	0.40
793	4.39	24.88	2.094	16:01:56.88	+17:23:35.88	J160156+172335	3.10	20.78	0.55
794	4.57	24.33	1.600	16:01:57.60	+17:40:49.08	J160157+174049	5.16	19.93	0.28
795	4.04	24.83	1.912	16:01:57.60	+17:45:57.60	J160157+174557	2.03	21.31	0.66
796	4.18	24.30	*	16:01:57.60	+17:41:11.76	J160157+174111	2.09	20.50	0.49
797	1.93	23.02	3.099	16:01:57.60	+18:23:28.32	J160157+182328	2.04	20.32	0.46

798	6.48	24.68	2.135	16:01:57.60	+17:41:16.44	J160157+174116	3.81	19.76	0.37
799	5.65	22.84	5.164	16:01:57.84	+18:13:08.40	J160157+181308	2.58	17.93	0.18
800	3.62	23.97	4.029	16:01:57.84	+17:27:58.32	J160157+172758	2.47	20.08	0.42
801	2.68	24.16	3.951	16:01:57.84	+17:29:12.12	J160157+172912	1.65	20.99	0.59
802	3.99	23.50	4.931	16:01:57.84	+18:18:13.68	J160157+181813	2.49	19.67	0.25
803	5.69	24.69	2.981	16:01:58.08	+17:50:35.16	J160158+175035	2.53	20.12	0.43
804	5.50	25.06	1.817	16:01:58.08	+17:28:55.56	J160158+172855	3.89	20.69	0.36
805	4.08	23.83	1.812	16:01:58.08	+17:48:47.16	J160158+174847	4.55	19.76	0.26
806	2.96	23.25	2.438	16:01:58.08	+17:35:52.80	J160158+173552	2.97	20.06	0.29
807	1.87	21.94	2.567	16:01:58.32	+18:08:21.12	J160158+180821	2.72	19.78	0.26
808	4.73	24.42	2.087	16:01:58.32	+17:54:34.20	J160158+175434	3.43	20.30	0.31
809	6.31	24.93	2.207	16:01:58.32	+17:39:52.56	J160158+173952	2.58	20.38	0.47
810	4.80	24.04	2.547	16:01:58.56	+17:41:12.48	J160158+174112	5.52	19.52	0.24
811	2.51	22.51	3.357	16:01:58.56	+17:37:43.68	J160158+173743	2.09	19.78	0.26
812	3.95	23.88	2.115	16:01:58.56	+17:51:47.88	J160158+175147	4.18	19.94	0.28
813	6.26	25.58	2.474	16:01:58.56	+17:53:28.32	J160158+175328	2.15	21.12	0.62
814	4.17	23.91	2.837	16:01:59.04	+18:18:31.32	J160159+181831	3.68	19.67	0.36
815	3.71	24.93	2.047	16:01:59.04	+17:49:37.92	J160159+174937	2.05	21.13	0.62
816	4.94	24.39	1.920	16:01:58.80	+17:39:50.04	J160158+173950	5.16	19.89	0.27
817	2.59	23.36	3.657	16:01:59.28	+17:41:28.32	J160159+174128	2.57	20.06	0.42
818	4.93	25.07	1.905	16:01:59.28	+17:24:25.20	J160159+172425	2.62	21.02	0.60
819	5.02	24.27	2.199	16:01:59.52	+17:57:17.28	J160159+175717	4.88	19.77	0.26
820	5.31	24.46	2.987	16:01:59.76	+17:39:29.16	J160159+173929	3.16	19.84	0.38
821	5.32	24.17	6.885	16:01:59.76	+17:36:12.96	J160159+173612	2.48	19.64	0.25
822	5.80	24.62	1.762	16:02:00.00	+17:36:54.00	J160200+173654	3.64	20.42	0.33

823	5.51	24.34	2.516	16:02:00.00	+17:41:26.16	J160200+174126	5.95	19.50	0.24
824	5.48	25.30	2.191	16:02:00.00	+18:18:38.88	J160200+181838	2.92	20.83	0.56
825	2.99	22.85	5.022	16:02:00.48	+17:40:07.32	J160200+174007	2.64	19.25	0.30
826	4.97	24.13	4.850	16:02:00.24	+17:29:28.68	J160200+172928	2.53	19.92	0.27
827	6.04	24.25	2.748	16:02:00.48	+17:39:27.00	J160200+173927	3.94	19.56	0.24
828	4.50	24.71	3.299	16:02:00.72	+18:03:15.48	J160200+180315	2.10	20.59	0.51
829	5.45	24.80	1.410	16:02:00.72	+18:04:19.20	J160200+180419	3.64	20.92	0.39
830	3.87	23.86	4.504	16:02:00.96	+17:50:47.04	J160200+175047	2.23	19.87	0.39
831	4.54	25.04	1.865	16:02:00.96	+17:17:58.56	J160200+171758	3.68	20.85	0.38
832	5.40	24.79	1.645	16:02:00.96	+17:25:01.92	J160200+172501	4.62	20.24	0.31
833	8.20	24.38	2.192	16:02:01.20	+18:05:03.12	J160201+180503	9.11	18.56	0.17
834	5.35	23.92	4.380	16:02:01.20	+17:40:05.16	J160201+174005	3.54	19.42	0.23
835	4.47	25.29	2.252	16:02:01.20	+17:32:56.04	J160201+173256	2.61	21.16	0.63
836	5.94	24.65	3.004	16:02:01.44	+17:50:19.68	J160201+175019	2.97	19.92	0.40
837	5.12	25.25	1.734	16:02:01.44	+17:48:44.28	J160201+174844	1.53	21.55	0.71
838	8.17	24.65	2.515	16:02:01.68	+17:37:17.40	J160201+173717	5.08	19.29	0.22
839	6.24	25.26	2.737	16:02:01.68	+17:39:07.92	J160201+173907	3.09	20.32	0.46
840	9.58	24.65	1.806	16:02:01.92	+17:39:54.00	J160201+173954	7.76	18.74	0.18
841	4.36	24.79	2.205	16:02:01.92	+18:04:12.00	J160201+180412	2.51	20.76	0.54
842	3.88	23.56	4.656	16:02:02.16	+17:20:08.88	J160202+172008	3.21	19.76	0.26
843	5.63	24.65	2.446	16:02:02.16	+17:18:00.00	J160202+171800	3.82	20.07	0.29
844	6.50	24.73	1.887	16:02:02.16	+17:54:43.20	J160202+175443	5.74	19.68	0.25
845	2.94	23.42	2.182	16:02:02.16	+18:05:48.84	J160202+180548	3.53	20.12	0.29
846	4.90	24.34	1.518	16:02:02.40	+17:55:59.88	J160202+175559	5.47	19.76	0.26
847	2.74	23.16	1.742	16:02:02.40	+18:16:11.28	J160202+181611	3.48	20.05	0.29

848	3.51	24.33	2.462	16:02:02.40	+17:39:16.56	J160202+173916	3.16	20.43	0.48
849	5.68	23.59	3.652	16:02:02.64	+17:50:59.64	J160202+175059	4.41	18.64	0.24
850	9.63	24.28	1.728	16:02:02.88	+17:37:18.12	J160202+173718	10.66	18.06	0.14
851	5.57	25.24	1.917	16:02:02.88	+17:49:39.72	J160202+174939	3.41	20.62	0.52
852	5.36	24.14	2.121	16:02:02.88	+17:44:38.76	J160202+174438	4.61	19.60	0.24
853	4.59	24.45	2.021	16:02:02.88	+17:32:06.72	J160202+173206	3.79	20.35	0.32
854	4.21	23.91	2.239	16:02:02.88	+17:58:20.64	J160202+175820	4.52	19.80	0.30
855	4.04	24.45	2.719	16:02:03.12	+17:42:44.28	J160203+174244	2.49	20.45	0.48
856	5.00	24.48	1.978	16:02:03.36	+17:26:55.68	J160203+172655	4.01	20.18	0.30
857	1.24	21.28	2.061	16:02:03.36	+18:09:15.84	J160203+180915	1.88	19.47	0.33
858	3.05	25.46	*	16:02:03.36	+17:30:20.88	J160203+173020	1.25	22.35	0.93
859	4.15	24.49	1.531	16:02:03.60	+17:53:29.40	J160203+175329	4.49	20.39	0.32
860	7.77	24.90	2.507	16:02:03.60	+17:40:21.36	J160203+174021	3.90	19.57	0.35
861	5.92	24.86	2.631	16:02:03.84	+17:26:37.32	J160203+172637	2.72	20.05	0.42
862	4.53	24.13	3.974	16:02:03.84	+17:29:50.28	J160203+172950	3.21	20.07	0.29
863	2.69	23.57	2.114	16:02:04.08	+17:42:42.12	J160204+174242	2.93	20.57	0.35
864	8.79	24.43	1.584	16:02:04.32	+17:34:48.00	J160204+173448	8.41	18.54	0.17
865	7.10	23.44	1.713	16:02:04.32	+17:40:19.56	J160204+174019	8.24	17.95	0.13
866	5.28	24.59	1.805	16:02:04.56	+18:14:06.72	J160204+181406	5.68	19.89	0.27
867	4.29	25.40	1.700	16:02:04.80	+17:49:18.48	J160204+174918	1.71	21.31	0.66
868	6.27	23.56	4.385	16:02:04.80	+17:53:40.92	J160204+175340	4.02	18.45	0.22
869	7.15	24.68	1.692	16:02:04.80	+17:28:09.84	J160204+172809	7.82	19.19	0.21
870	1.90	21.57	2.667	16:02:04.80	+17:27:04.68	J160204+172704	2.33	19.48	0.23
871	5.43	25.00	2.313	16:02:05.04	+17:24:34.56	J160205+172434	2.66	20.59	0.51
872	4.21	24.69	3.145	16:02:05.28	+17:27:06.84	J160205+172706	2.50	20.60	0.51

873	3.42	23.99	1.896	16:02:05.52	+17:17:54.96	J160205+171754	3.36	20.44	0.33
874	4.73	24.29	1.683	16:02:05.76	+17:38:47.76	J160205+173847	5.28	19.84	0.27
875	2.93	22.33	2.381	16:02:05.76	+17:32:16.44	J160205+173216	4.11	19.05	0.20
876	4.84	24.30	1.641	16:02:06.00	+17:44:39.84	J160206+174439	5.45	19.75	0.26
877	4.65	24.36	1.571	16:02:06.24	+17:34:00.84	J160206+173400	5.26	19.92	0.27
878	4.94	24.73	3.332	16:02:06.24	+18:12:04.32	J160206+181204	2.00	20.42	0.48
879	8.34	23.77	1.858	16:02:06.48	+17:22:33.24	J160206+172233	8.15	17.93	0.18
880	4.83	23.71	4.159	16:02:06.48	+18:18:23.76	J160206+181823	3.35	19.14	0.29
881	7.28	24.66	1.776	16:02:06.48	+17:50:25.44	J160206+175025	5.28	19.45	0.33
882	3.89	24.71	1.656	16:02:06.72	+17:17:59.64	J160206+171759	3.96	20.80	0.37
883	5.72	24.45	2.196	16:02:06.72	+17:37:35.04	J160206+173735	5.43	19.62	0.25
884	4.47	24.56	3.024	16:02:06.96	+17:23:43.44	J160206+172343	3.85	20.39	0.32
885	1.43	20.78	3.309	16:02:06.96	+18:06:44.28	J160206+180644	2.28	18.68	0.24
886	6.54	23.64	1.955	16:02:06.96	+17:28:03.00	J160206+172803	5.99	18.50	0.16
887	7.33	24.72	2.242	16:02:06.96	+17:18:19.44	J160206+171819	5.59	19.50	0.24
888	5.21	24.35	3.608	16:02:07.20	+17:19:15.24	J160207+171915	3.65	19.84	0.27
889	9.36	24.02	1.953	16:02:07.68	+17:49:40.44	J160207+174940	8.03	18.03	0.14
890	5.10	24.75	1.802	16:02:07.68	+18:05:05.28	J160207+180505	4.39	20.33	0.32
891	7.24	22.98	*	16:02:07.92	+17:49:39.36	J160207+174939	7.68	17.41	0.14
892	3.03	23.58	4.970	16:02:08.16	+18:19:06.24	J160208+181906	2.54	19.95	0.40
893	9.64	22.37	4.855	16:02:08.16	+17:53:48.48	J160208+175348	10.26	16.20	0.08
894	5.72	24.67	3.766	16:02:08.16	+17:27:07.92	J160208+172707	2.92	19.88	0.39
895	3.70	23.79	4.011	16:02:08.40	+17:41:01.32	J160208+174101	1.96	20.32	0.32
896	3.98	24.89	1.866	16:02:08.40	+17:47:29.04	J160208+174729	1.60	21.50	0.70
897	6.35	24.54	3.364	16:02:08.40	+17:49:18.12	J160208+174918	2.65	19.75	0.37

898	4.65	24.53	2.230	16:02:08.64	+18:05:22.92	J160208+180522	2.66	20.74	0.37
899	4.02	23.66	2.449	16:02:08.64	+17:31:26.04	J160208+173126	3.61	19.81	0.26
900	2.02	23.26	4.555	16:02:08.64	+17:41:25.44	J160208+174125	2.10	20.47	0.49
901	5.67	25.13	1.773	16:02:08.88	+17:29:07.44	J160208+172907	2.55	20.40	0.48
902	6.62	24.43	3.053	16:02:08.88	+17:52:39.72	J160208+175239	3.13	19.48	0.33
903	5.02	24.25	1.932	16:02:08.88	+17:34:32.52	J160208+173432	3.07	20.39	0.32
904	5.87	24.78	3.224	16:02:09.12	+17:30:06.48	J160209+173006	3.20	19.94	0.40
905	4.58	23.62	3.815	16:02:09.12	+17:56:06.36	J160209+175606	3.85	19.39	0.23
906	6.08	25.42	2.432	16:02:09.12	+18:18:25.20	J160209+181825	3.03	20.65	0.52
907	2.92	23.57	2.476	16:02:09.36	+18:14:36.96	J160209+181436	3.18	20.38	0.32
908	6.25	25.08	1.672	16:02:09.36	+17:51:00.36	J160209+175100	3.11	20.85	0.38
909	3.37	23.79	2.459	16:02:09.60	+17:54:28.80	J160209+175428	2.94	20.33	0.32
910	5.22	23.84	4.819	16:02:09.60	+18:05:58.20	J160209+180558	3.31	19.13	0.29
911	4.85	24.36	1.726	16:02:09.84	+17:31:31.80	J160209+173131	5.05	19.90	0.27
912	4.91	25.40	1.848	16:02:10.32	+18:11:13.92	J160210+181113	2.84	21.60	0.49
913	5.04	24.68	1.705	16:02:10.32	+18:08:40.92	J160210+180840	5.08	20.14	0.30
914	7.88	25.62	1.574	16:02:10.56	+17:19:34.32	J160210+171934	3.92	20.88	0.38
915	4.68	25.06	1.587	16:02:10.56	+17:26:51.72	J160210+172651	4.59	20.73	0.36
916	5.87	23.60	2.779	16:02:11.04	+17:48:55.80	J160211+174855	5.49	18.55	0.23
917	7.64	24.30	2.798	16:02:11.04	+17:27:07.20	J160211+172707	4.95	18.83	0.26
918	4.25	24.28	1.518	16:02:11.04	+17:55:25.32	J160211+175525	4.59	20.14	0.30
919	3.49	23.64	4.837	16:02:11.04	+17:51:17.64	J160211+175117	2.32	19.79	0.38
920	3.83	24.39	4.138	16:02:11.04	+17:29:35.52	J160211+172935	2.05	20.30	0.46
921	1.95	21.33	2.565	16:02:11.28	+17:32:52.80	J160211+173252	3.17	19.07	0.20
922	6.47	25.24	1.668	16:02:11.28	+18:18:09.72	J160211+181809	4.03	20.79	0.37

923	6.61	25.20	2.208	16:02:11.52	+17:45:54.00	J160211+174554	1.62	20.91	0.57
924	4.50	25.09	1.851	16:02:11.52	+17:46:51.60	J160211+174651	3.42	21.11	0.42
925	3.23	24.72	2.053	16:02:11.76	+17:28:48.00	J160211+172848	2.37	21.12	0.62
926	6.20	24.55	1.725	16:02:11.76	+17:46:41.52	J160211+174641	5.57	19.62	0.25
927	5.46	24.72	3.017	16:02:11.76	+17:43:00.12	J160211+174300	2.49	20.23	0.45
928	5.91	24.98	1.866	16:02:12.00	+17:40:11.64	J160212+174011	4.92	20.16	0.30
929	5.25	24.75	2.831	16:02:12.00	+17:51:03.60	J160212+175103	3.22	20.12	0.43
930	5.88	25.28	2.087	16:02:12.00	+17:34:13.80	J160212+173413	4.39	20.56	0.34
931	4.33	24.69	2.361	16:02:12.00	+18:09:03.96	J160212+180903	2.60	20.56	0.51
932	4.32	24.61	2.334	16:02:12.24	+18:09:03.96	J160212+180903	2.61	20.52	0.50
933	5.59	25.64	2.119	16:02:12.24	+17:33:27.00	J160212+173327	1.85	21.60	0.73
934	5.01	24.92	3.613	16:02:12.24	+17:40:31.80	J160212+174031	2.03	20.56	0.50
935	5.74	24.83	2.461	16:02:12.24	+18:02:15.36	J160212+180215	1.88	20.48	0.49
936	7.27	25.14	2.374	16:02:12.24	+18:02:15.36	J160212+180215	1.94	20.46	0.49
937	4.69	24.86	3.230	16:02:12.48	+17:34:30.36	J160212+173430	2.26	20.65	0.52
938	5.00	24.90	2.667	16:02:12.48	+17:45:52.92	J160212+174552	2.98	20.58	0.35
939	3.91	24.27	1.768	16:02:12.48	+18:17:34.80	J160212+181734	4.45	20.27	0.31
940	3.80	22.50	3.396	16:02:12.48	+17:48:11.52	J160212+174811	4.60	18.29	0.20
941	5.59	22.60	1.688	16:02:12.72	+17:45:37.44	J160212+174537	6.59	17.71	0.12
942	5.91	24.97	2.112	16:02:12.72	+17:48:51.48	J160212+174851	2.59	20.50	0.49
943	5.31	24.28	4.964	16:02:12.72	+17:41:20.76	J160212+174120	3.05	19.85	0.27
944	4.58	24.29	2.031	16:02:12.72	+17:40:31.44	J160212+174031	5.26	19.89	0.27
945	6.04	24.88	2.082	16:02:12.72	+17:56:48.48	J160212+175648	3.47	20.19	0.44
946	5.05	25.16	2.778	16:02:12.96	+17:45:04.68	J160212+174504	2.29	20.90	0.57
947	5.74	24.99	3.152	16:02:12.96	+17:19:44.40	J160212+171944	2.41	20.76	0.37

948	9.47	24.35	1.220	16:02:13.20	+17:40:40.08	J160213+174040	4.99	18.63	0.24
949	5.29	24.22	2.648	16:02:13.44	+17:52:09.48	J160213+175209	4.20	19.49	0.34
950	5.76	25.18	2.540	16:02:13.44	+17:31:39.00	J160213+173139	3.07	20.55	0.50
951	6.36	23.64	2.945	16:02:13.68	+17:48:08.64	J160213+174808	6.22	18.56	0.17
952	5.71	24.78	1.788	16:02:13.44	+17:24:23.04	J160213+172423	5.36	19.98	0.28
953	10.69	24.46	3.162	16:02:13.44	+18:00:16.92	J160213+180016	4.89	18.37	0.21
954	8.03	24.71	3.097	16:02:13.44	+17:20:26.88	J160213+172026	4.63	19.39	0.23
955	3.71	25.02	1.643	16:02:13.68	+18:08:11.40	J160213+180811	3.51	21.29	0.44
956	8.20	24.35	1.851	16:02:13.68	+17:27:51.12	J160213+172751	7.32	18.62	0.24
957	3.74	24.52	2.220	16:02:13.68	+17:49:14.88	J160213+174914	1.58	21.35	0.67
958	4.46	24.08	3.253	16:02:13.92	+17:41:27.96	J160213+174127	3.04	19.77	0.37
959	6.54	24.13	2.860	16:02:13.92	+17:40:39.00	J160213+174039	5.31	19.03	0.20
960	5.49	25.02	2.833	16:02:14.16	+17:45:56.16	J160214+174556	2.30	20.55	0.50
961	5.07	23.99	3.114	16:02:14.16	+17:46:09.84	J160214+174609	3.72	19.30	0.31
962	3.59	25.33	1.879	16:02:14.40	+17:29:07.44	J160214+172907	2.67	21.87	0.53
963	5.52	23.57	4.829	16:02:14.40	+17:32:10.32	J160214+173210	3.35	18.99	0.20
964	12.66	24.57	1.778	16:02:14.64	+17:30:23.76	J160214+173023	8.60	18.15	0.19
965	4.54	24.25	2.947	16:02:14.88	+17:38:31.56	J160214+173831	1.93	20.58	0.35
966	4.14	23.93	2.743	16:02:14.88	+17:31:16.68	J160214+173116	2.13	20.46	0.33
967	6.07	25.11	2.072	16:02:14.88	+17:49:59.52	J160214+174959	2.02	20.95	0.58
968	5.65	25.84	2.126	16:02:15.12	+17:23:10.32	J160215+172310	2.07	21.49	0.70
969	3.77	23.35	2.042	16:02:15.12	+17:46:07.68	J160215+174607	3.59	19.57	0.24
970	4.69	24.50	1.821	16:02:15.36	+18:18:04.32	J160215+181804	4.80	20.14	0.30
971	7.13	23.44	1.968	16:02:15.36	+17:51:40.68	J160215+175140	5.07	18.07	0.19
972	5.33	24.70	2.167	16:02:15.36	+18:08:01.68	J160215+180801	3.64	20.14	0.43

973	5.64	25.23	2.291	16:02:15.36	+18:00:28.44	J160215+180028	1.54	21.17	0.63
974	1.66	21.32	1.886	16:02:15.60	+17:34:54.84	J160215+173454	2.21	18.93	0.27
975	6.12	24.93	2.324	16:02:15.60	+17:57:32.40	J160215+175732	2.90	20.30	0.46
976	10.86	25.54	1.980	16:02:15.60	+17:57:33.12	J160215+175733	3.29	20.20	0.44
977	5.28	23.16	2.813	16:02:15.60	+18:03:42.48	J160215+180342	5.35	18.30	0.21
978	5.96	24.70	2.103	16:02:15.84	+17:56:12.84	J160215+175612	3.70	20.29	0.31
979	5.06	25.09	1.914	16:02:15.84	+17:54:41.40	J160215+175441	1.91	21.21	0.64
980	5.53	25.69	1.943	16:02:16.32	+17:34:03.72	J160216+173403	1.46	21.77	0.77
981	6.22	24.70	2.025	16:02:16.56	+17:49:41.16	J160216+174941	2.83	20.19	0.44
982	5.64	24.80	1.697	16:02:16.80	+17:50:10.32	J160216+175010	5.72	19.98	0.28
983	6.83	25.68	2.705	16:02:16.80	+17:57:33.84	J160216+175733	2.01	21.08	0.61
984	4.29	23.80	2.669	16:02:16.80	+18:12:23.04	J160216+181223	3.62	19.47	0.33
985	8.10	24.63	2.204	16:02:16.80	+17:47:35.88	J160216+174735	2.96	19.53	0.34
986	4.93	24.38	1.651	16:02:17.28	+17:51:00.36	J160217+175100	5.64	19.79	0.26
987	6.73	24.65	1.855	16:02:17.52	+18:18:36.36	J160217+181836	5.55	19.59	0.24
988	3.66	24.74	2.336	16:02:17.52	+17:59:35.52	J160217+175935	2.47	20.92	0.58
989	6.04	24.31	2.189	16:02:17.76	+17:47:33.36	J160217+174733	4.66	19.65	0.25
990	5.22	23.41	4.042	16:02:18.00	+18:01:24.96	J160218+180124	3.90	18.64	0.24
991	5.64	22.20	2.520	16:02:18.24	+18:06:09.72	J160218+180609	7.41	17.13	0.12
992	2.25	21.90	3.000	16:02:18.48	+17:19:44.76	J160218+171944	2.72	19.38	0.23
993	5.11	24.54	4.032	16:02:18.72	+17:26:51.36	J160218+172651	3.81	20.12	0.29
994	3.67	24.09	1.559	16:02:18.72	+17:18:23.04	J160218+171823	4.18	20.26	0.31
995	7.14	24.15	3.067	16:02:18.72	+17:47:40.92	J160218+174740	4.36	18.86	0.26
996	7.27	23.87	4.382	16:02:18.96	+17:41:29.04	J160218+174129	4.50	18.44	0.22
997	5.46	25.30	2.142	16:02:18.96	+17:29:36.24	J160218+172936	3.34	20.62	0.52

998	7.63	24.61	2.909	16:02:18.96	+17:58:54.12	J160218+175854	4.34	19.24	0.30
999	4.35	25.09	2.828	16:02:18.96	+17:23:27.24	J160218+172327	1.62	21.08	0.61
1000	5.29	24.69	4.613	16:02:19.20	+18:15:42.12	J160219+181542	2.17	20.06	0.42
1001	5.11	24.61	2.400	16:02:19.44	+17:33:26.28	J160219+173326	2.93	20.21	0.44
1002	7.96	24.00	3.195	16:02:19.44	+17:41:26.88	J160219+174126	7.72	18.36	0.16
1003	6.49	24.05	2.136	16:02:19.44	+17:47:39.48	J160219+174739	6.27	18.92	0.19
1004	5.88	24.76	2.306	16:02:19.68	+18:04:37.20	J160219+180437	3.76	19.93	0.40
1005	3.49	22.91	3.844	16:02:19.68	+18:00:52.56	J160219+180052	2.27	18.98	0.27
1006	4.44	24.57	2.648	16:02:19.92	+18:14:08.88	J160219+181408	3.08	20.33	0.46
1007	4.82	24.19	3.412	16:02:19.92	+17:40:21.72	J160219+174021	2.54	20.22	0.30
1008	5.46	24.50	1.960	16:02:20.16	+17:42:56.16	J160220+174256	4.89	19.82	0.27
1009	4.67	24.15	3.799	16:02:20.16	+18:08:24.36	J160220+180824	2.83	19.75	0.37
1010	6.77	24.69	1.797	16:02:20.40	+18:12:09.36	J160220+181209	3.49	19.71	0.37
1011	7.30	24.62	2.052	16:02:20.40	+17:36:07.92	J160220+173607	5.41	19.33	0.22
1012	7.50	23.30	2.609	16:02:20.64	+18:01:36.84	J160220+180136	6.91	17.71	0.16
1013	4.18	24.68	3.435	16:02:20.64	+17:32:56.76	J160220+173256	1.99	20.67	0.53
1014	6.14	24.30	3.627	16:02:20.88	+17:52:51.60	J160220+175251	3.89	19.30	0.31
1015	5.18	24.00	4.919	16:02:20.88	+17:54:16.92	J160220+175416	3.58	19.53	0.24
1016	5.84	24.86	2.359	16:02:21.12	+17:38:26.16	J160221+173826	3.60	20.07	0.42
1017	4.70	24.14	7.175	16:02:21.12	+17:34:50.88	J160221+173450	2.23	19.69	0.36
1018	4.75	24.17	4.473	16:02:21.12	+17:51:45.72	J160221+175145	1.98	19.88	0.39
1019	6.20	24.53	2.892	16:02:21.36	+17:46:24.96	J160221+174624	3.50	19.60	0.35
1020	4.22	24.89	2.192	16:02:21.36	+17:49:17.40	J160221+174917	2.07	20.95	0.58
1021	5.53	23.78	3.180	16:02:21.60	+17:46:48.72	J160221+174648	3.88	18.91	0.27
1022	2.69	22.96	1.699	16:02:21.60	+18:02:48.48	J160221+180248	3.44	19.91	0.27

1023	5.03	23.65	3.578	16:02:21.60	+17:52:23.88	J160221+175223	3.12	19.11	0.29
1024	4.78	24.78	3.233	16:02:21.84	+18:12:25.92	J160221+181225	2.11	20.54	0.50
1025	5.73	24.39	3.603	16:02:21.84	+17:53:56.04	J160221+175356	2.75	19.72	0.37
1026	3.04	23.69	2.277	16:02:21.84	+18:13:05.16	J160221+181305	3.36	20.38	0.32
1027	4.46	24.31	1.661	16:02:22.08	+17:43:55.92	J160222+174355	4.96	19.95	0.28
1028	5.17	24.16	2.379	16:02:22.08	+17:46:22.80	J160222+174622	5.09	19.57	0.24
1029	3.06	23.85	2.999	16:02:22.08	+17:58:33.24	J160222+175833	2.85	20.21	0.44
1030	5.62	24.07	5.406	16:02:22.08	+17:50:04.20	J160222+175004	4.16	19.42	0.23
1031	5.34	24.58	3.395	16:02:22.08	+17:46:14.16	J160222+174614	2.76	19.99	0.41
1032	4.80	23.80	2.681	16:02:22.08	+17:47:58.92	J160222+174758	5.45	19.31	0.22
1033	4.33	23.07	1.946	16:02:22.32	+17:46:47.64	J160222+174647	5.43	18.83	0.18
1034	6.09	24.75	2.150	16:02:22.32	+18:01:03.36	J160222+180103	2.74	20.32	0.46
1035	3.86	23.98	1.612	16:02:22.32	+17:42:05.76	J160222+174205	4.47	20.00	0.28
1036	2.37	23.07	3.747	16:02:22.32	+17:49:05.52	J160222+174905	2.70	19.90	0.39
1037	16.13	23.22	1.973	16:02:22.80	+18:07:41.52	J160222+180741	17.34	15.90	0.07
1038	3.75	23.84	2.170	16:02:22.80	+17:46:11.64	J160222+174611	4.07	20.02	0.28
1039	5.52	24.78	1.602	16:02:23.04	+17:50:03.48	J160223+175003	3.88	20.31	0.46
1040	5.34	23.65	2.926	16:02:23.28	+17:58:22.44	J160223+175822	4.23	19.18	0.21
1041	7.54	24.30	2.864	16:02:23.28	+18:11:12.84	J160223+181112	3.77	19.09	0.29
1042	5.06	25.16	2.112	16:02:23.28	+17:31:09.84	J160223+173109	3.16	20.72	0.53
1043	5.27	24.81	2.527	16:02:23.28	+17:42:57.60	J160223+174257	3.88	20.48	0.33
1044	5.41	24.75	2.655	16:02:23.28	+17:53:46.32	J160223+175346	2.54	20.31	0.46
1045	3.63	24.19	3.067	16:02:23.52	+17:47:20.40	J160223+174720	2.44	20.31	0.46
1046	3.86	23.63	8.159	16:02:23.52	+17:36:23.76	J160223+173623	2.43	19.52	0.34
1047	4.45	24.17	3.643	16:02:23.76	+17:49:36.48	J160223+174936	3.42	20.08	0.29

1048	5.47	24.41	2.715	16:02:24.24	+17:37:48.36	J160224+173748	1.99	20.42	0.33
1049	6.38	23.71	4.298	16:02:24.00	+18:09:57.96	J160224+180957	4.26	18.53	0.23
1050	4.52	24.61	3.159	16:02:24.24	+17:47:19.32	J160224+174719	2.81	20.48	0.33
1051	5.12	25.27	1.646	16:02:24.24	+17:53:07.80	J160224+175307	2.40	20.95	0.58
1052	4.24	24.11	1.689	16:02:24.48	+17:44:36.24	J160224+174436	4.64	19.97	0.28
1053	10.43	22.07	4.656	16:02:24.48	+18:15:58.32	J160224+181558	13.10	15.68	0.07
1054	4.60	23.85	2.459	16:02:24.72	+17:34:39.36	J160224+173439	4.53	19.30	0.31
1055	5.45	24.58	1.817	16:02:24.72	+18:17:52.08	J160224+181752	5.83	19.79	0.26
1056	5.16	24.98	2.800	16:02:24.96	+17:38:42.00	J160224+173842	2.59	20.54	0.50
1057	8.30	23.89	2.806	16:02:24.96	+17:57:50.04	J160224+175750	6.47	18.12	0.19
1058	5.80	24.94	1.971	16:02:24.96	+17:40:46.56	J160224+174046	2.63	20.60	0.51
1059	5.00	24.70	2.200	16:02:25.20	+17:46:27.84	J160224+174627	3.58	20.14	0.43
1060	5.11	24.84	3.530	16:02:25.44	+17:48:45.00	J160225+174845	2.24	20.35	0.47
1061	5.36	24.75	1.926	16:02:25.44	+17:40:46.56	J160225+174046	3.68	20.43	0.33
1062	5.29	23.36	4.161	16:02:25.92	+17:27:54.72	J160225+172754	4.84	18.74	0.18
1063	4.84	24.36	4.371	16:02:25.92	+17:50:33.00	J160225+175033	2.42	19.92	0.40
1064	5.17	24.73	3.314	16:02:25.92	+17:56:08.88	J160225+175608	2.39	20.32	0.46
1065	4.47	24.47	2.740	16:02:26.40	+17:47:27.24	J160226+174727	2.60	20.32	0.46
1066	5.60	25.23	2.443	16:02:26.40	+17:51:02.16	J160226+175102	2.00	20.97	0.58
1067	8.24	24.46	2.425	16:02:26.64	+17:52:14.16	J160226+175214	5.05	18.92	0.27
1068	5.55	25.27	2.855	16:02:26.88	+18:10:27.48	J160226+181027	2.27	20.81	0.55
1069	5.41	24.78	1.789	16:02:26.88	+17:46:18.12	J160226+174618	3.09	20.48	0.49
1070	5.03	25.12	1.650	16:02:27.12	+17:32:19.32	J160227+173219	4.29	20.66	0.36
1071	4.09	24.01	2.572	16:02:27.36	+17:22:31.80	J160227+172231	3.39	19.76	0.37
1072	11.65	23.73	1.778	16:02:27.60	+17:51:06.12	J160227+175106	12.73	17.07	0.09

1073	5.37	25.10	1.777	16:02:27.60	+18:03:01.08	J160227+180301	4.18	20.69	0.36
1074	4.70	24.69	1.678	16:02:27.60	+17:36:55.44	J160227+173655	3.94	20.49	0.34
1075	2.52	23.74	2.877	16:02:27.60	+18:13:49.80	J160227+181349	2.01	20.59	0.51
1076	5.13	25.22	1.988	16:02:27.84	+17:31:51.24	J160227+173151	1.50	21.25	0.64
1077	4.26	24.15	5.454	16:02:27.84	+18:15:43.56	J160227+181543	2.32	19.91	0.39
1078	3.60	24.15	1.923	16:02:27.84	+17:42:53.64	J160227+174253	2.72	20.70	0.36
1079	12.79	22.85	1.339	16:02:27.84	+17:20:19.32	J160227+172019	15.37	15.92	0.06
1080	5.39	24.67	2.508	16:02:28.08	+17:38:12.48	J160228+173812	3.08	20.07	0.42
1081	7.85	24.77	2.361	16:02:28.08	+17:34:12.00	J160228+173412	4.94	19.45	0.23
1082	3.45	24.21	1.717	16:02:28.08	+17:45:32.76	J160228+174532	3.83	20.55	0.34
1083	1.70	22.76	3.518	16:02:28.08	+18:03:41.04	J160228+180341	2.23	20.26	0.45
1084	3.77	23.39	4.478	16:02:28.32	+17:53:31.56	J160228+175331	3.63	19.61	0.25
1085	6.10	25.50	1.785	16:02:28.56	+17:25:36.12	J160228+172536	2.52	21.35	0.67
1086	5.46	25.50	2.170	16:02:28.56	+17:58:41.52	J160228+175841	2.26	21.20	0.63
1087	5.39	25.27	2.397	16:02:28.56	+17:49:40.44	J160228+174940	1.86	20.95	0.58
1088	4.02	24.62	1.791	16:02:28.56	+17:56:36.96	J160228+175636	4.23	20.61	0.35
1089	4.93	23.98	5.147	16:02:28.56	+17:26:42.72	J160228+172642	2.70	19.54	0.34
1090	5.99	25.54	2.250	16:02:28.80	+18:04:09.84	J160228+180409	2.05	21.10	0.61
1091	5.56	25.61	1.958	16:02:28.80	+17:30:55.80	J160228+173055	1.89	21.57	0.72
1092	4.31	24.50	1.909	16:02:28.80	+17:48:47.88	J160228+174847	2.62	20.66	0.52
1093	7.55	23.23	2.495	16:02:29.04	+18:05:55.32	J160229+180555	8.65	17.49	0.15
1094	7.02	25.38	2.223	16:02:29.04	+17:54:26.64	J160229+175426	2.37	20.74	0.54
1095	5.58	24.30	1.944	16:02:29.28	+17:48:09.36	J160229+174809	4.80	19.62	0.25
1096	4.95	24.51	1.515	16:02:29.28	+17:55:44.76	J160229+175544	5.57	19.92	0.27
1097	6.21	24.19	4.536	16:02:29.28	+18:04:28.92	J160229+180428	3.30	19.19	0.30

1098	10.08	24.31	2.018	16:02:29.52	+17:55:55.20	J160229+175555	7.64	18.22	0.20
1099	4.86	24.46	3.481	16:02:29.52	+17:27:00.36	J160229+172700	2.96	19.99	0.41
1100	5.78	25.12	2.406	16:02:29.76	+17:56:48.84	J160229+175648	2.42	20.65	0.52
1101	2.64	23.33	3.567	16:02:29.76	+18:15:52.92	J160229+181552	2.92	19.93	0.40
1102	10.30	23.26	1.794	16:02:29.76	+18:05:58.56	J160229+180558	6.94	17.13	0.12
1103	1.79	22.04	2.196	16:02:29.76	+17:47:52.08	J160229+174752	2.30	19.48	0.33
1104	5.64	24.87	2.779	16:02:30.00	+17:52:45.48	J160230+175245	2.73	20.33	0.46
1105	3.77	24.20	2.641	16:02:30.00	+18:08:25.08	J160230+180825	2.85	20.16	0.43
1106	4.93	24.49	4.387	16:02:30.00	+17:46:32.16	J160230+174632	2.14	20.30	0.31
1107	4.12	23.99	1.548	16:02:30.00	+17:19:49.44	J160230+171949	4.50	19.90	0.27
1108	4.84	24.30	2.445	16:02:30.00	+17:53:16.44	J160230+175316	3.02	20.00	0.41
1109	5.60	24.41	5.404	16:02:30.24	+17:36:49.68	J160230+173649	3.81	19.75	0.26
1110	5.98	23.65	2.064	16:02:30.24	+17:25:20.28	J160230+172520	5.45	18.76	0.18
1111	1.74	22.17	6.281	16:02:30.24	+17:47:24.36	J160230+174724	2.30	19.65	0.36
1112	5.18	25.09	*	16:02:30.48	+17:47:48.48	J160230+174748	2.45	20.81	0.55
1113	5.50	25.46	1.497	16:02:31.20	+17:21:24.48	J160231+172124	5.28	20.77	0.37
1114	4.34	25.08	2.238	16:02:31.20	+17:32:38.76	J160231+173238	2.10	21.26	0.65
1115	7.14	23.71	2.471	16:02:31.20	+17:39:06.12	J160231+173906	6.61	18.24	0.20
1116	4.67	25.12	1.761	16:02:31.44	+17:37:10.20	J160231+173710	2.77	21.13	0.62
1117	7.27	25.28	1.678	16:02:31.44	+17:55:13.44	J160231+175513	3.16	20.67	0.53
1118	7.89	23.94	2.449	16:02:31.68	+17:39:06.12	J160231+173906	8.50	18.26	0.15
1119	4.56	23.15	4.181	16:02:31.68	+17:49:19.56	J160231+174919	2.41	18.70	0.24
1120	2.35	23.08	2.267	16:02:31.92	+17:18:21.24	J160231+171821	3.05	20.35	0.32
1121	5.05	24.44	3.092	16:02:32.16	+18:10:06.60	J160232+181006	3.21	20.09	0.29
1122	3.47	24.27	2.449	16:02:32.16	+17:51:50.04	J160232+175150	1.77	20.81	0.55

1123	3.46	24.13	1.898	16:02:32.16	+18:12:19.80	J160232+181219	3.88	20.40	0.32
1124	6.85	24.07	3.638	16:02:32.64	+17:52:27.48	J160232+175227	4.72	18.80	0.25
1125	2.52	24.03	3.647	16:02:32.64	+17:45:47.16	J160232+174547	1.82	20.85	0.56
1126	4.69	24.76	2.370	16:02:32.88	+18:09:24.12	J160232+180924	2.36	20.59	0.51
1127	6.31	25.33	2.175	16:02:32.88	+17:22:44.04	J160232+172244	3.18	20.91	0.39
1128	5.86	25.38	2.979	16:02:32.88	+17:49:07.68	J160232+174907	1.75	20.87	0.56
1129	5.77	24.72	1.792	16:02:33.12	+18:05:36.96	J160233+180536	2.18	20.59	0.51
1130	6.06	25.28	1.978	16:02:33.36	+18:08:22.56	J160233+180822	3.26	20.97	0.40
1131	2.64	22.80	2.714	16:02:33.60	+17:54:21.96	J160233+175421	3.61	19.77	0.26
1132	5.24	24.51	2.110	16:02:33.84	+17:50:32.64	J160233+175032	2.53	20.29	0.46
1133	4.98	22.99	3.519	16:02:33.84	+18:03:17.28	J160233+180317	4.52	18.28	0.20
1134	5.99	25.33	2.694	16:02:33.84	+17:36:37.08	J160233+173637	2.87	20.61	0.51
1135	7.56	24.86	2.118	16:02:34.08	+18:07:39.00	J160234+180739	3.27	19.86	0.39
1136	4.79	25.07	2.272	16:02:34.08	+17:32:11.76	J160234+173211	2.03	21.11	0.61
1137	4.93	24.64	1.860	16:02:34.08	+18:11:44.88	J160234+181144	4.56	20.24	0.31
1138	2.54	19.41	2.004	16:02:34.08	+17:47:13.92	J160234+174713	4.66	16.51	0.08
1139	8.19	24.29	1.905	16:02:34.32	+17:58:15.96	J160234+175815	9.08	18.45	0.16
1140	2.21	23.50	4.295	16:02:34.32	+17:46:21.72	J160234+174621	1.94	20.60	0.51
1141	6.02	25.26	1.599	16:02:34.56	+18:18:29.88	J160234+181829	4.35	20.84	0.38
1142	6.06	23.50	4.299	16:02:34.80	+17:50:38.04	J160234+175038	3.60	18.79	0.18
1143	6.20	24.48	1.736	16:02:34.80	+17:53:05.28	J160234+175305	4.61	19.87	0.27
1144	4.07	23.73	2.437	16:02:35.04	+17:37:39.36	J160235+173739	4.27	19.41	0.32
1145	5.98	25.29	1.899	16:02:35.28	+17:55:39.72	J160235+175539	2.23	20.94	0.58
1146	4.10	24.30	2.478	16:02:35.76	+18:08:33.00	J160235+180833	2.86	20.15	0.43
1147	4.50	25.22	1.619	16:02:36.00	+17:18:01.08	J160236+171801	2.97	21.65	0.49

1148	3.06	24.64	1.757	16:02:36.00	+17:52:37.20	J160236+175237	3.19	21.31	0.44
1149	6.01	25.02	2.104	16:02:36.00	+17:45:45.36	J160236+174545	3.34	20.36	0.47
1150	8.47	24.54	2.214	16:02:36.00	+18:17:31.56	J160236+181731	6.05	18.85	0.26
1151	5.85	24.75	4.690	16:02:36.00	+18:21:22.68	J160236+182122	2.32	19.91	0.39
1152	4.91	24.13	4.746	16:02:36.24	+17:19:15.24	J160236+171915	2.97	19.80	0.26
1153	3.22	22.84	3.523	16:02:36.24	+17:40:51.24	J160236+174051	3.95	19.35	0.22
1154	7.40	24.78	2.243	16:02:36.48	+17:47:26.52	J160236+174726	4.59	19.51	0.34
1155	5.52	24.93	1.752	16:02:36.96	+17:40:33.60	J160236+174033	5.18	20.22	0.31
1156	7.02	24.92	1.934	16:02:36.96	+17:32:05.28	J160236+173205	4.80	19.73	0.37
1157	2.77	21.91	2.925	16:02:36.96	+17:57:03.60	J160236+175703	3.00	18.89	0.19
1158	5.55	24.32	1.695	16:02:37.20	+17:55:52.32	J160237+175552	6.34	19.44	0.23
1159	7.05	24.54	1.684	16:02:37.20	+17:47:24.72	J160237+174724	7.86	19.07	0.20
1160	4.51	24.11	3.119	16:02:37.20	+17:54:19.44	J160237+175419	3.38	19.80	0.38
1161	5.71	24.48	3.113	16:02:37.68	+18:10:31.44	J160237+181031	2.49	20.26	0.31
1162	4.81	24.94	1.724	16:02:37.68	+17:48:57.96	J160237+174857	3.06	20.78	0.55
1163	4.10	24.46	3.284	16:02:37.92	+18:20:22.56	J160237+182022	2.37	20.41	0.48
1164	3.97	24.25	3.078	16:02:37.92	+18:21:55.80	J160237+182155	2.79	20.18	0.44
1165	4.54	24.02	1.749	16:02:37.92	+17:53:34.44	J160237+175334	4.65	19.47	0.33
1166	5.15	24.12	2.429	16:02:38.40	+17:45:20.52	J160238+174520	3.51	19.73	0.26
1167	2.75	24.21	1.385	16:02:38.40	+18:04:21.36	J160238+180421	3.12	21.12	0.41
1168	6.19	23.80	5.134	16:02:38.40	+17:48:40.32	J160238+174840	3.97	19.00	0.20
1169	4.21	24.44	1.827	16:02:38.40	+18:09:59.40	J160238+180959	3.14	20.77	0.37
1170	1.24	21.29	*	16:02:38.40	+18:23:19.32	J160238+182319	2.01	19.49	0.33
1171	5.28	24.81	4.439	16:02:38.88	+17:37:55.92	J160238+173755	2.03	20.32	0.46
1172	6.26	24.65	1.648	16:02:38.88	+17:39:16.92	J160238+173916	5.49	19.70	0.25

1173	6.54	24.36	5.453	16:02:38.88	+17:18:21.24	J160238+171821	3.86	19.39	0.23
1174	4.01	24.07	1.988	16:02:39.36	+17:44:51.72	J160239+174451	3.69	20.17	0.30
1175	4.62	23.83	4.164	16:02:39.60	+17:45:44.64	J160239+174544	3.39	19.65	0.25
1176	5.18	24.31	1.835	16:02:40.08	+17:35:26.16	J160240+173526	4.62	19.60	0.35
1177	6.82	24.32	1.929	16:02:40.32	+17:31:35.04	J160240+173135	6.34	19.07	0.20
1178	7.64	23.37	2.377	16:02:40.32	+18:00:25.56	J160240+180025	8.43	17.66	0.16
1179	4.72	24.27	2.943	16:02:40.32	+18:10:44.76	J160240+181044	4.49	19.95	0.28
1180	4.61	24.73	2.126	16:02:40.56	+18:08:17.16	J160240+180817	3.39	20.31	0.46
1181	4.92	24.91	3.179	16:02:40.80	+17:57:05.76	J160240+175705	2.50	20.53	0.50
1182	2.48	23.13	3.104	16:02:41.04	+17:34:46.56	J160241+173446	2.08	19.94	0.40
1183	3.40	23.47	2.192	16:02:41.04	+17:41:05.28	J160241+174105	4.11	19.81	0.26
1184	4.89	24.89	1.696	16:02:41.28	+17:57:06.48	J160241+175706	3.45	20.78	0.37
1185	2.43	23.65	3.158	16:02:41.52	+17:25:16.68	J160241+172516	2.38	20.48	0.49
1186	7.28	24.00	4.614	16:02:41.76	+17:45:32.76	J160241+174532	3.45	19.09	0.29
1187	4.68	25.01	2.582	16:02:41.76	+17:46:09.12	J160241+174609	2.84	20.62	0.52
1188	3.03	22.42	3.511	16:02:42.00	+17:49:03.36	J160242+174903	4.16	19.05	0.20
1189	8.63	24.17	2.136	16:02:42.24	+17:45:32.04	J160242+174532	8.12	18.35	0.15
1190	6.08	25.39	2.306	16:02:42.48	+18:19:42.60	J160242+181942	2.29	20.93	0.58
1191	4.53	24.56	1.748	16:02:42.48	+17:49:32.88	J160242+174932	5.03	20.20	0.30
1192	3.20	23.66	2.719	16:02:42.48	+17:41:47.04	J160242+174147	3.38	20.25	0.31
1193	4.61	23.83	1.892	16:02:42.72	+18:07:51.96	J160242+180751	5.32	19.43	0.23
1194	5.74	25.79	1.778	16:02:43.44	+18:13:14.52	J160243+181314	1.56	21.71	0.75
1195	3.69	24.53	1.558	16:02:43.68	+17:36:54.36	J160243+173654	3.73	20.77	0.37
1196	5.20	24.61	2.351	16:02:43.68	+17:18:25.56	J160243+171825	3.56	20.31	0.31
1197	5.69	23.30	2.239	16:02:43.68	+17:41:03.48	J160243+174103	6.31	18.22	0.20

1198	6.88	23.54	2.071	16:02:44.16	+17:41:02.40	J160244+174102	8.35	18.13	0.14
1199	6.58	24.49	1.986	16:02:44.16	+17:56:43.44	J160244+175643	7.23	19.21	0.21
1200	5.68	24.74	2.557	16:02:44.40	+17:28:49.44	J160244+172849	3.60	20.37	0.32
1201	4.54	25.10	1.908	16:02:44.64	+17:48:33.48	J160244+174833	2.72	20.99	0.59
1202	5.55	25.00	2.285	16:02:44.64	+17:23:53.16	J160244+172353	2.77	20.40	0.48
1203	7.39	24.33	1.923	16:02:44.88	+17:22:00.48	J160244+172200	7.30	18.86	0.19
1204	12.67	23.76	2.059	16:02:45.12	+17:18:15.84	J160245+171815	14.33	16.88	0.09
1205	10.59	24.50	1.666	16:02:45.12	+17:36:40.68	J160245+173640	9.93	18.17	0.14
1206	6.29	24.58	2.061	16:02:45.12	+17:40:07.32	J160245+174007	4.23	19.95	0.28
1207	4.05	25.04	1.420	16:02:45.12	+18:04:22.80	J160245+180422	4.40	20.92	0.39
1208	5.08	24.42	1.466	16:02:45.36	+17:56:43.44	J160245+175643	5.61	19.78	0.26
1209	5.11	24.82	2.251	16:02:45.36	+18:18:16.20	J160245+181816	3.36	20.34	0.47
1210	6.30	24.30	3.709	16:02:45.36	+17:47:37.32	J160245+174737	3.13	19.59	0.24
1211	4.65	25.31	1.924	16:02:45.60	+18:03:51.12	J160245+180351	1.51	21.19	0.63
1212	6.38	24.38	1.961	16:02:45.84	+18:13:15.24	J160245+181315	6.81	19.21	0.21
1213	4.59	24.86	1.502	16:02:45.84	+17:23:03.84	J160245+172303	4.95	20.47	0.33
1214	3.70	23.78	4.601	16:02:46.08	+17:23:47.04	J160246+172347	2.20	20.14	0.30
1215	7.04	24.40	3.081	16:02:46.08	+17:58:03.36	J160246+175803	3.85	19.22	0.30
1216	3.29	23.78	1.578	16:02:46.08	+17:46:17.76	J160246+174617	3.85	20.18	0.30
1217	4.20	23.44	4.776	16:02:46.32	+17:30:05.04	J160246+173005	4.68	19.33	0.22
1218	5.35	24.38	1.649	16:02:46.56	+18:07:35.04	J160246+180735	5.76	19.65	0.25
1219	6.50	24.71	2.044	16:02:47.04	+17:45:22.68	J160247+174522	4.62	19.91	0.27
1220	3.96	23.92	3.891	16:02:47.28	+18:08:24.72	J160247+180824	2.57	19.87	0.39
1221	4.97	24.33	2.262	16:02:47.28	+17:37:47.28	J160247+173747	4.32	19.72	0.37
1222	5.79	25.29	2.723	16:02:47.28	+18:16:30.36	J160247+181630	1.98	20.80	0.55

ID				RA	Dec	Name			
1223	5.02	23.95	5.437	16:02:47.52	+17:26:14.64	J160247+172614	2.66	19.61	0.24
1224	1.33	20.79	2.080	16:02:47.28	+17:31:37.20	J160247+173137	2.13	19.48	0.23
1225	6.29	24.85	1.522	16:02:47.52	+17:28:00.48	J160247+172800	3.34	20.72	0.36
1226	4.70	24.75	1.984	16:02:47.52	+18:07:22.80	J160247+180722	1.63	20.99	0.59
1227	2.85	23.93	2.314	16:02:47.52	+17:33:57.96	J160247+173357	1.64	20.53	0.50
1228	5.74	25.49	1.883	16:02:47.52	+17:33:14.40	J160247+173314	2.37	21.31	0.66
1229	4.57	24.83	1.800	16:02:47.76	+18:00:59.40	J160247+180059	2.20	21.03	0.60
1230	8.38	24.43	1.684	16:02:47.76	+17:51:34.56	J160247+175134	9.31	18.55	0.17
1231	4.07	23.18	4.138	16:02:48.24	+17:50:19.68	J160248+175019	2.10	18.95	0.27
1232	13.01	24.87	1.713	16:02:48.24	+17:18:11.88	J160248+171811	12.31	18.02	0.14
1233	2.59	22.64	2.875	16:02:48.96	+17:59:27.24	J160248+175927	3.24	19.72	0.26
1234	4.09	24.50	3.156	16:02:48.96	+17:54:27.72	J160248+175427	1.87	20.56	0.50
1235	4.79	23.03	3.827	16:02:49.20	+18:07:52.68	J160249+180752	3.61	18.46	0.22
1236	7.58	24.26	2.181	16:02:49.20	+17:22:31.08	J160249+172231	8.03	18.68	0.17
1237	5.44	24.47	3.419	16:02:49.44	+18:18:18.72	J160249+181818	3.26	19.77	0.37
1238	4.23	24.60	1.692	16:02:49.44	+18:17:12.84	J160249+181712	3.62	20.71	0.36
1239	5.47	24.76	3.643	16:02:49.44	+17:44:34.80	J160249+174434	1.87	20.27	0.45
1240	6.11	24.90	2.300	16:02:49.44	+17:50:40.56	J160249+175040	2.41	20.40	0.47
1241	2.34	21.89	2.295	16:02:49.44	+18:03:18.72	J160249+180318	2.88	18.76	0.25
1242	1.85	21.38	2.199	16:02:49.68	+17:33:42.48	J160249+173342	2.90	19.25	0.22
1243	4.57	24.71	3.930	16:02:49.68	+17:56:36.96	J160249+175636	2.11	20.50	0.49
1244	5.75	24.57	3.839	16:02:49.68	+18:14:32.64	J160249+181432	2.70	19.83	0.38
1245	5.51	25.00	2.030	16:02:49.68	+17:53:43.80	J160249+175343	2.74	20.68	0.53
1246	3.03	19.98	2.787	16:02:49.68	+17:42:54.36	J160249+174254	7.53	16.65	0.08
1247	4.92	23.82	4.562	16:02:50.16	+17:46:41.88	J160250+174641	2.74	19.51	0.24

1248	9.78	25.02	1.698	16:02:50.16	+17:18:24.48	J160250+171824	7.05	19.30	0.22
1249	4.53	24.64	2.072	16:02:50.16	+17:19:17.40	J160250+171917	3.18	20.73	0.36
1250	3.49	21.46	4.034	16:02:50.40	+17:47:14.64	J160250+174714	4.47	17.47	0.14
1251	3.67	24.36	2.289	16:02:50.64	+18:10:49.08	J160250+181049	2.59	20.49	0.49
1252	5.09	24.25	2.023	16:02:50.64	+17:58:14.88	J160250+175814	4.30	19.77	0.26
1253	11.98	24.90	1.654	16:02:50.64	+17:56:31.56	J160250+175631	11.99	18.22	0.15
1254	6.04	24.40	1.669	16:02:51.36	+17:55:26.40	J160251+175526	6.84	19.30	0.22
1255	3.98	24.57	2.364	16:02:51.36	+18:00:14.76	J160251+180014	1.58	20.75	0.54
1256	8.12	25.01	2.600	16:02:51.84	+17:51:20.88	J160251+175120	3.91	19.62	0.35
1257	7.34	24.06	3.615	16:02:51.84	+18:11:53.52	J160251+181153	4.92	18.67	0.24
1258	6.09	25.57	2.373	16:02:51.84	+17:30:55.08	J160251+173055	2.12	21.03	0.60
1259	5.99	25.17	1.904	16:02:51.84	+17:57:18.72	J160251+175718	1.32	21.06	0.61
1260	7.40	24.87	1.920	16:02:51.84	+17:53:15.00	J160251+175315	5.58	19.44	0.33
1261	5.82	25.07	2.133	16:02:51.84	+18:01:17.04	J160251+180117	3.50	20.35	0.47
1262	11.36	24.06	2.543	16:02:52.08	+17:58:19.20	J160252+175819	8.99	17.67	0.16
1263	8.84	24.47	1.688	16:02:52.08	+18:03:23.76	J160252+180323	9.34	18.50	0.16
1264	4.74	24.40	2.222	16:02:52.08	+18:11:08.16	J160252+181108	3.68	20.02	0.41
1265	1.67	21.74	2.047	16:02:52.08	+18:05:38.04	J160252+180538	2.12	19.93	0.28
1266	3.17	23.07	3.080	16:02:52.32	+17:50:46.32	J160252+175046	3.62	19.67	0.25
1267	5.39	23.43	2.885	16:02:52.56	+18:10:55.20	J160252+181055	4.89	18.56	0.23
1268	3.95	25.25	1.744	16:02:52.80	+18:12:13.32	J160252+181213	3.01	21.61	0.49
1269	2.66	23.81	2.298	16:02:52.80	+17:27:42.48	J160252+172742	3.17	20.76	0.37
1270	4.93	24.59	2.249	16:02:52.80	+18:03:04.32	J160252+180304	3.94	20.24	0.31
1271	5.31	24.82	3.010	16:02:53.04	+17:28:52.32	J160253+172852	3.39	20.41	0.33
1272	5.06	24.82	1.537	16:02:53.76	+18:16:11.64	J160253+181611	5.53	20.17	0.30

1273	6.53	25.02	2.554	16:02:53.76	+17:50:25.44	J160253+175025	3.38	20.11	0.43
1274	5.68	24.35	1.692	16:02:54.24	+17:46:14.88	J160254+174614	5.78	19.52	0.24
1275	6.72	24.37	3.586	16:02:54.24	+18:14:40.56	J160254+181440	3.61	19.19	0.30
1276	5.56	25.22	2.010	16:02:54.24	+18:10:12.00	J160254+181012	2.49	20.98	0.59
1277	7.19	23.83	1.882	16:02:54.48	+17:53:35.16	J160254+175335	7.20	18.43	0.16
1278	4.93	22.83	2.393	16:02:54.48	+17:22:48.36	J160254+172248	5.51	18.09	0.19
1279	6.54	24.23	1.384	16:02:54.72	+17:42:29.16	J160254+174229	6.91	19.01	0.20
1280	8.97	23.98	2.340	16:02:54.72	+17:44:03.48	J160254+174403	7.03	18.13	0.19
1281	5.50	25.64	*	16:02:54.72	+18:14:17.16	J160254+181417	1.90	21.45	0.69
1282	6.15	24.66	2.335	16:02:54.72	+18:14:11.04	J160254+181411	4.00	20.03	0.29
1283	7.13	23.80	3.983	16:02:54.96	+18:09:41.40	J160254+180941	4.56	18.46	0.22
1284	7.00	24.09	3.955	16:02:54.96	+17:31:06.96	J160254+173106	4.24	18.81	0.25
1285	9.41	24.19	2.284	16:02:54.96	+18:07:13.44	J160254+180713	6.58	18.30	0.21
1286	4.72	24.34	1.629	16:02:54.96	+17:42:43.92	J160254+174243	5.02	19.94	0.28
1287	2.24	21.68	1.555	16:02:55.20	+17:17:47.76	J160255+171747	3.58	19.07	0.20
1288	6.36	25.01	2.969	16:02:55.20	+18:07:39.72	J160255+180739	3.01	20.05	0.42
1289	6.33	25.12	1.524	16:02:55.68	+18:18:29.52	J160255+181829	5.84	20.09	0.29
1290	1.59	22.26	*	16:02:55.68	+17:32:06.72	J160255+173206	1.94	19.96	0.40
1291	2.57	22.09	3.253	16:02:55.92	+18:01:02.28	J160255+180102	2.97	18.76	0.25
1292	4.38	25.34	2.876	16:02:55.92	+17:23:57.12	J160255+172357	2.27	21.18	0.63
1293	4.38	24.48	1.608	16:02:56.16	+17:23:15.72	J160256+172315	4.89	20.19	0.30
1294	5.11	24.82	2.832	16:02:56.40	+18:06:08.28	J160256+180608	2.82	20.33	0.46
1295	4.52	25.28	3.019	16:02:56.40	+17:58:10.20	J160256+175810	2.23	20.98	0.59
1296	7.53	23.27	2.978	16:02:56.64	+17:36:27.36	J160256+173627	7.09	17.78	0.12
1297	9.47	24.80	1.716	16:02:56.88	+17:25:59.88	J160256+172559	7.82	18.82	0.26

1298	5.48	24.78	1.818	16:02:57.12	+17:18:36.72	J160257+171836	5.80	19.98	0.28
1299	5.44	24.73	2.328	16:02:57.12	+17:46:48.72	J160257+174648	3.72	20.25	0.31
1300	1.57	21.28	1.457	16:02:57.36	+18:02:23.64	J160257+180223	2.17	19.01	0.28
1301	4.02	23.92	4.718	16:02:57.36	+17:57:09.72	J160257+175709	2.04	19.82	0.38
1302	5.39	24.32	4.925	16:02:57.36	+17:33:08.28	J160257+173308	2.72	19.61	0.35
1303	6.65	24.39	2.644	16:02:57.36	+18:15:15.84	J160257+181515	4.38	19.27	0.31
1304	7.20	24.56	1.985	16:02:57.36	+17:42:29.88	J160257+174229	8.00	19.04	0.20
1305	5.41	24.75	3.076	16:02:57.36	+18:13:50.52	J160257+181350	2.43	20.27	0.45
1306	5.53	25.54	2.441	16:02:57.60	+17:25:15.60	J160257+172515	2.33	21.13	0.62
1307	7.24	23.85	1.651	16:02:57.60	+18:12:27.00	J160257+181227	3.68	18.71	0.24
1308	3.74	23.71	2.393	16:02:57.60	+18:12:52.92	J160257+181252	2.37	19.71	0.37
1309	1.55	21.06	1.612	16:02:57.60	+18:00:24.12	J160257+180024	2.18	18.82	0.26
1310	7.37	25.55	1.984	16:02:57.84	+17:54:55.08	J160257+175455	2.27	21.00	0.59
1311	3.80	24.37	1.581	16:02:57.84	+18:07:18.48	J160257+180718	3.99	20.52	0.34
1312	5.02	24.93	1.946	16:02:58.32	+18:13:16.68	J160258+181316	3.94	20.60	0.35
1313	4.76	25.02	1.812	16:02:58.56	+18:05:42.36	J160258+180542	2.64	20.69	0.53
1314	4.37	23.95	2.215	16:02:58.80	+17:32:56.04	J160258+173256	4.47	19.49	0.33
1315	3.55	24.03	1.708	16:02:59.04	+17:48:25.56	J160259+174825	2.72	20.83	0.38
1316	2.75	23.83	2.774	16:02:59.04	+17:24:37.08	J160259+172437	2.16	20.51	0.50
1317	4.53	23.75	3.138	16:02:59.04	+18:00:12.60	J160259+180012	5.39	19.37	0.23
1318	4.82	24.63	2.585	16:02:59.04	+17:32:11.40	J160259+173211	4.13	20.24	0.31
1319	6.93	25.25	2.100	16:02:59.28	+17:52:52.32	J160259+175252	3.17	20.45	0.49
1320	5.09	23.53	4.244	16:02:59.28	+17:32:28.68	J160259+173228	3.46	19.16	0.21
1321	4.44	24.89	2.770	16:02:59.52	+17:24:24.12	J160259+172424	3.02	20.50	0.49
1322	5.27	24.01	2.032	16:02:59.52	+18:00:31.32	J160259+180031	5.95	19.29	0.22

1323	5.42	25.25	2.413	16:02:59.76	+18:08:20.04	J160259+180820	2.62	20.86	0.56
1324	4.38	24.53	2.498	16:02:59.76	+18:07:44.04	J160259+180744	2.38	20.47	0.49
1325	5.58	25.07	2.314	16:02:59.76	+18:12:57.96	J160259+181257	2.99	20.86	0.38
1326	5.53	24.53	4.510	16:02:59.76	+18:14:08.16	J160259+181408	2.23	19.90	0.39
1327	4.94	25.03	1.589	16:03:00.00	+18:05:47.40	J160300+180547	4.37	20.66	0.36
1328	4.70	24.95	2.024	16:03:00.00	+17:56:12.48	J160300+175612	3.10	21.01	0.40
1329	5.02	24.90	1.918	16:03:00.00	+17:54:15.48	J160300+175415	4.01	20.63	0.35
1330	6.30	25.44	1.492	16:03:00.00	+17:59:32.64	J160300+175932	2.90	21.01	0.59
1331	5.20	24.90	1.850	16:03:00.24	+17:49:35.40	J160300+174935	2.70	20.76	0.54
1332	5.78	25.22	1.909	16:03:00.24	+18:01:20.64	J160300+180120	2.28	20.92	0.58
1333	3.21	24.67	2.129	16:03:00.24	+17:33:37.80	J160300+173337	3.16	20.91	0.57
1334	5.66	24.14	1.573	16:03:00.24	+17:25:48.00	J160300+172548	5.57	19.34	0.22
1335	2.59	24.02	2.469	16:03:00.24	+17:51:20.16	J160300+175120	2.79	20.64	0.52
1336	3.51	24.08	3.089	16:03:00.48	+18:08:29.04	J160300+180829	2.90	20.28	0.45
1337	2.35	22.44	5.014	16:03:00.48	+18:13:40.08	J160300+181340	2.97	19.27	0.31
1338	3.74	23.51	2.445	16:03:00.72	+17:46:09.12	J160300+174609	4.57	19.62	0.25
1339	5.40	24.55	1.563	16:03:00.96	+18:15:40.68	J160300+181540	2.65	19.83	0.38
1340	5.81	25.82	2.340	16:03:00.96	+17:23:20.04	J160300+172320	2.58	21.28	0.65
1341	6.50	24.48	2.224	16:03:00.96	+18:09:19.44	J160300+180919	4.03	19.47	0.33
1342	5.30	25.04	1.535	16:03:00.96	+18:18:13.68	J160300+181813	5.43	20.36	0.32
1343	5.98	25.39	1.872	16:03:01.20	+17:25:10.92	J160301+172510	3.73	21.00	0.40
1344	4.05	23.79	2.198	16:03:01.44	+17:39:26.64	J160301+173926	4.86	19.69	0.25
1345	5.55	24.70	1.724	16:03:01.44	+18:07:33.60	J160301+180733	2.89	20.48	0.49
1346	5.85	25.78	2.004	16:03:01.44	+17:21:19.44	J160301+172119	3.43	21.40	0.46
1347	4.56	24.99	3.369	16:03:01.68	+17:44:29.04	J160301+174429	2.27	20.66	0.52

1348	6.04	25.08	1.494	16:03:01.68	+18:11:57.48	J160301+181157	3.53	20.97	0.40
1349	5.40	24.80	2.082	16:03:01.92	+17:38:23.28	J160301+173823	2.99	20.41	0.48
1350	5.56	25.00	2.510	16:03:01.92	+17:51:28.08	J160301+175128	1.72	20.88	0.57
1351	4.19	25.45	2.435	16:03:02.16	+18:13:17.40	J160302+181317	1.64	21.93	0.81
1352	4.59	24.88	2.549	16:03:02.16	+17:49:26.40	J160302+174926	2.34	20.71	0.53
1353	5.59	24.66	2.396	16:03:02.16	+18:05:32.28	J160302+180532	3.33	20.05	0.42
1354	4.40	23.96	2.806	16:03:02.40	+17:28:41.16	J160302+172841	5.05	19.69	0.25
1355	6.92	25.70	2.075	16:03:02.40	+17:38:40.20	J160302+173840	2.51	21.01	0.59
1356	2.10	22.98	3.200	16:03:02.40	+17:58:53.40	J160302+175853	2.29	20.09	0.42
1357	6.09	24.90	1.902	16:03:02.64	+17:25:04.80	J160302+172504	4.28	20.00	0.41
1358	3.43	24.15	1.815	16:03:02.88	+17:26:17.16	J160302+172617	3.85	20.50	0.34
1359	4.69	23.50	4.355	16:03:02.88	+17:40:38.28	J160302+174038	3.61	18.99	0.27
1360	5.73	24.52	2.132	16:03:03.12	+17:54:05.76	J160303+175405	4.91	19.84	0.27
1361	5.47	24.12	3.926	16:03:03.36	+18:15:21.96	J160303+181521	3.78	19.35	0.32
1362	4.60	24.85	1.506	16:03:03.36	+18:00:24.48	J160303+180024	4.39	20.58	0.35
1363	5.23	24.86	2.119	16:03:03.36	+17:24:29.88	J160303+172429	1.86	20.25	0.45
1364	4.06	25.08	1.912	16:03:03.60	+18:18:23.04	J160303+181823	3.33	21.18	0.42
1365	4.22	23.98	2.602	16:03:04.32	+17:47:17.16	J160304+174717	4.39	19.58	0.35
1366	5.78	24.21	1.880	16:03:04.32	+17:47:03.84	J160304+174703	6.06	19.32	0.22
1367	5.13	25.07	2.643	16:03:04.32	+18:01:46.92	J160304+180146	2.41	20.75	0.54
1368	4.33	24.50	4.778	16:03:04.56	+18:01:35.40	J160304+180135	2.08	20.28	0.45
1369	5.84	24.87	1.463	16:03:04.56	+17:36:47.16	J160304+173647	5.46	20.02	0.28
1370	9.06	24.24	1.551	16:03:04.80	+17:34:33.96	J160304+173433	9.93	18.16	0.14
1371	4.55	24.86	2.094	16:03:05.04	+18:18:16.56	J160305+181816	3.66	20.76	0.37
1372	1.49	21.86	2.429	16:03:05.28	+17:25:54.84	J160305+172554	1.82	19.72	0.37

1373	5.32	24.17	2.912	16:03:05.28	+17:55:32.16	J160305+175532	3.98	19.68	0.25
1374	6.27	24.49	4.839	16:03:05.28	+18:00:10.44	J160305+180010	2.03	19.74	0.37
1375	1.75	22.13	1.986	16:03:05.52	+17:23:40.56	J160305+172340	1.98	19.66	0.36
1376	10.42	24.81	1.687	16:03:05.52	+18:04:37.92	J160305+180437	6.93	18.97	0.27
1377	5.34	24.53	3.582	16:03:05.76	+17:34:59.88	J160305+173459	3.82	19.97	0.28
1378	8.69	25.03	1.451	16:03:05.76	+17:32:08.52	J160305+173208	5.58	19.30	0.31
1379	5.37	25.22	1.969	16:03:06.24	+17:47:48.12	J160306+174748	1.65	21.14	0.62
1380	9.45	24.57	2.200	16:03:06.72	+17:31:36.48	J160306+173136	5.41	18.89	0.26
1381	3.29	24.06	5.226	16:03:06.72	+17:33:01.44	J160306+173301	1.63	20.42	0.48
1382	4.00	24.14	5.315	16:03:07.20	+18:13:19.56	J160307+181319	2.06	20.07	0.42
1383	6.55	23.28	1.909	16:03:07.20	+17:27:49.68	J160307+172749	6.68	17.95	0.18
1384	3.96	24.56	2.072	16:03:07.20	+17:36:56.88	J160307+173656	3.38	20.69	0.36
1385	5.97	24.12	2.435	16:03:07.68	+17:24:12.96	J160307+172412	4.05	19.11	0.29
1386	3.69	23.87	5.827	16:03:07.68	+18:01:31.44	J160307+180131	2.16	19.94	0.40
1387	4.06	23.31	4.574	16:03:07.92	+17:32:57.48	J160307+173257	3.55	19.38	0.23
1388	8.89	24.67	1.943	16:03:07.92	+18:14:08.52	J160307+181408	5.78	19.00	0.28
1389	2.13	23.26	1.522	16:03:08.16	+18:00:26.28	J160308+180026	2.61	20.76	0.37
1390	5.62	25.02	1.997	16:03:08.16	+17:18:06.48	J160308+171806	4.16	20.50	0.34
1391	5.91	24.49	1.729	16:03:08.40	+18:00:56.16	J160308+180056	6.41	19.49	0.24
1392	8.99	24.00	1.717	16:03:08.64	+18:15:52.92	J160308+181552	8.48	18.03	0.18
1393	2.68	23.90	1.829	16:03:08.88	+17:36:30.60	J160308+173630	3.18	20.83	0.38
1394	8.49	23.22	2.590	16:03:08.88	+18:04:37.20	J160308+180437	9.31	17.29	0.13
1395	6.19	25.49	2.321	16:03:09.12	+17:22:47.28	J160309+172247	2.18	20.96	0.58
1396	4.75	24.54	3.166	16:03:09.36	+17:43:48.72	J160309+174348	1.82	20.46	0.49
1397	7.61	23.72	*	16:03:09.36	+18:15:46.44	J160309+181546	7.58	18.07	0.19

1398	5.95	23.73	2.504	16:03:09.36	+18:07:46.92	J160309+180746	4.97	18.66	0.24
1399	6.85	23.60	3.811	16:03:09.60	+18:08:54.60	J160309+180854	4.49	18.34	0.21
1400	5.47	25.30	1.832	16:03:09.60	+17:44:33.36	J160309+174433	2.39	21.09	0.61
1401	1.65	22.72	2.129	16:03:09.60	+18:01:12.36	J160309+180112	2.03	20.32	0.46
1402	4.05	23.90	6.252	16:03:09.60	+18:00:15.84	J160309+180015	2.17	19.80	0.38
1403	2.70	22.76	2.703	16:03:09.84	+17:42:05.04	J160309+174205	3.33	19.28	0.31
1404	1.90	23.33	3.914	16:03:09.84	+17:32:24.00	J160309+173224	1.80	20.71	0.53
1405	7.77	24.78	2.189	16:03:10.08	+17:28:19.20	J160310+172819	4.99	19.41	0.32
1406	4.28	24.41	1.896	16:03:10.56	+18:07:24.96	J160310+180724	4.36	20.28	0.31
1407	5.19	25.48	2.317	16:03:10.56	+17:23:20.04	J160310+172320	1.65	21.35	0.67
1408	4.60	23.96	3.224	16:03:10.56	+17:48:54.72	J160310+174854	2.95	19.77	0.26
1409	4.56	24.55	2.329	16:03:10.80	+17:41:18.60	J160310+174118	3.42	20.17	0.44
1410	5.26	24.66	1.692	16:03:11.04	+17:35:22.20	J160311+173522	4.97	20.06	0.29
1411	9.64	24.51	2.085	16:03:11.28	+17:33:52.56	J160311+173352	6.99	18.58	0.23
1412	3.99	24.63	4.148	16:03:11.52	+17:28:12.36	J160311+172812	1.98	20.60	0.51
1413	2.14	23.81	3.443	16:03:12.00	+17:31:50.88	J160312+173150	2.33	20.86	0.56
1414	4.66	25.07	1.899	16:03:12.24	+18:00:54.36	J160312+180054	2.63	20.95	0.58
1415	5.29	24.68	1.516	16:03:12.24	+17:33:09.00	J160312+173309	5.69	19.96	0.28
1416	2.73	21.83	4.334	16:03:12.72	+17:40:40.80	J160312+174040	2.90	18.40	0.21
1417	8.75	24.77	2.823	16:03:12.96	+18:13:01.56	J160312+181301	5.09	19.03	0.28
1418	5.10	25.23	2.331	16:03:12.96	+18:02:21.12	J160312+180221	1.98	21.19	0.63
1419	6.26	25.20	2.082	16:03:13.20	+18:16:10.92	J160313+181610	2.84	20.60	0.51
1420	2.21	22.59	3.806	16:03:13.20	+17:25:42.24	J160313+172542	2.17	19.62	0.35
1421	4.63	25.02	1.784	16:03:13.20	+18:03:11.52	J160313+180311	2.38	21.17	0.63
1422	4.98	24.59	4.645	16:03:13.20	+18:15:06.12	J160313+181506	1.88	20.22	0.44

1423	3.06	23.69	3.179	16:03:13.68	+17:31:01.56	J160313+173101	1.89	20.06	0.42
1424	8.64	24.99	2.672	16:03:13.68	+17:46:02.28	J160313+174602	2.11	19.73	0.37
1425	3.80	24.50	4.100	16:03:13.92	+17:23:20.04	J160313+172320	1.85	20.40	0.48
1426	7.37	24.85	2.632	16:03:13.92	+17:39:56.88	J160313+173956	4.12	19.58	0.35
1427	5.84	24.63	1.785	16:03:13.92	+17:18:10.08	J160313+171810	4.20	20.18	0.30
1428	1.26	20.71	*	16:03:13.92	+17:35:43.44	J160313+173543	2.29	18.86	0.26
1429	3.65	24.71	1.977	16:03:14.16	+18:04:19.20	J160314+180419	3.92	20.91	0.39
1430	4.21	24.36	1.647	16:03:14.16	+17:57:34.20	J160314+175734	4.80	20.16	0.30
1431	10.60	22.49	4.293	16:03:14.16	+17:22:03.72	J160314+172203	13.87	16.06	0.06
1432	6.56	25.10	2.494	16:03:14.16	+17:44:52.44	J160314+174452	2.61	20.29	0.46
1433	3.23	24.34	3.284	16:03:14.40	+17:41:22.92	J160314+174122	1.76	20.76	0.54
1434	5.53	24.91	3.412	16:03:14.64	+18:13:38.64	J160314+181338	1.78	20.42	0.48
1435	5.38	24.90	1.783	16:03:14.64	+18:18:31.68	J160314+181831	4.51	20.35	0.32
1436	3.76	24.28	2.371	16:03:14.64	+17:49:15.60	J160314+174915	1.62	20.81	0.55
1437	5.15	24.99	1.567	16:03:14.88	+17:29:13.92	J160314+172913	5.05	20.43	0.33
1438	4.55	24.86	5.642	16:03:15.12	+17:27:37.08	J160315+172737	1.62	20.62	0.52
1439	5.30	24.30	4.989	16:03:15.60	+17:48:29.52	J160315+174829	2.33	19.62	0.35
1440	1.85	22.82	4.965	16:03:15.84	+18:01:04.44	J160315+180104	2.22	20.17	0.44
1441	1.44	21.86	6.342	16:03:15.84	+17:27:55.44	J160315+172755	2.05	19.73	0.37
1442	5.03	24.68	2.297	16:03:16.32	+18:06:35.64	J160316+180635	3.36	20.51	0.34
1443	11.70	22.26	2.513	16:03:16.32	+17:47:46.68	J160316+174746	14.97	15.59	0.06
1444	3.62	20.66	3.868	16:03:16.32	+17:37:55.20	J160316+173755	6.61	16.52	0.10
1445	5.36	25.23	1.819	16:03:16.32	+17:39:32.04	J160316+173932	2.46	21.46	0.47
1446	4.83	24.93	1.609	16:03:16.32	+17:40:07.32	J160316+174007	3.51	21.04	0.40
1447	2.15	22.87	3.409	16:03:16.32	+18:01:06.60	J160316+180106	2.12	19.96	0.40

1448	3.65	23.85	3.754	16:03:16.56	+17:42:10.44	J160316+174210	2.55	19.93	0.40
1449	5.18	24.93	1.337	16:03:16.56	+18:00:34.20	J160316+180034	3.46	21.21	0.43
1450	5.87	24.45	4.262	16:03:16.80	+17:28:37.20	J160316+172837	2.61	19.98	0.28
1451	3.96	23.33	2.946	16:03:16.80	+17:34:57.00	J160316+173457	4.61	19.32	0.22
1452	4.16	24.86	2.406	16:03:17.04	+17:45:39.24	J160317+174539	2.30	20.99	0.59
1453	4.78	23.89	4.000	16:03:17.04	+17:38:43.80	J160317+173843	3.45	19.63	0.25
1454	8.13	24.92	2.315	16:03:17.28	+17:18:29.16	J160317+171829	5.55	19.42	0.23
1455	1.55	22.51	*	16:03:17.52	+17:50:51.00	J160317+175051	1.92	20.24	0.45
1456	5.94	25.09	2.521	16:03:17.52	+17:56:54.60	J160317+175654	2.12	20.63	0.52
1457	4.86	24.75	2.245	16:03:17.52	+18:09:16.20	J160317+180916	2.70	20.52	0.50
1458	6.43	24.86	2.840	16:03:17.76	+17:20:27.60	J160317+172027	3.53	20.07	0.29
1459	4.99	24.65	2.883	16:03:17.76	+17:47:22.20	J160317+174722	2.39	20.23	0.45
1460	5.07	23.99	2.657	16:03:17.76	+17:42:52.20	J160317+174252	4.19	19.39	0.32
1461	7.41	25.33	2.135	16:03:17.76	+18:04:37.92	J160317+180437	2.45	20.41	0.48
1462	6.89	23.35	4.020	16:03:18.00	+17:31:54.84	J160318+173154	5.69	17.95	0.18
1463	6.17	23.14	4.118	16:03:18.00	+17:31:54.84	J160318+173154	5.57	17.97	0.18
1464	5.28	24.41	4.703	16:03:18.00	+17:44:16.80	J160318+174416	2.15	19.80	0.38
1465	6.12	25.37	1.933	16:03:18.00	+17:54:17.64	J160318+175417	3.44	20.60	0.51
1466	7.82	25.42	2.399	16:03:18.00	+18:17:46.32	J160318+181746	3.54	20.29	0.46
1467	7.83	25.45	1.777	16:03:18.24	+17:39:02.16	J160318+173902	3.49	20.34	0.46
1468	5.41	20.84	3.799	16:03:18.24	+17:43:55.56	J160318+174355	9.59	15.83	0.07
1469	5.30	25.42	2.837	16:03:18.24	+18:15:22.68	J160318+181522	2.00	21.13	0.62
1470	6.99	25.20	2.366	16:03:18.48	+18:18:30.24	J160318+181830	4.36	19.97	0.40
1471	4.12	23.99	6.483	16:03:18.72	+18:09:04.68	J160318+180904	2.30	19.81	0.38
1472	4.12	23.15	4.263	16:03:18.96	+17:40:23.16	J160318+174023	4.59	19.10	0.20

1473	4.65	23.87	2.187	16:03:19.20	+17:49:05.52	J160319+174905	5.42	19.44	0.23
1474	2.60	23.22	4.341	16:03:19.44	+18:04:04.44	J160319+180404	2.18	19.94	0.40
1475	7.51	24.88	1.508	16:03:19.68	+18:00:31.68	J160319+180031	6.91	19.42	0.23
1476	2.61	24.23	1.690	16:03:19.68	+18:12:20.88	J160319+181220	3.00	21.22	0.43
1477	6.05	25.56	2.056	16:03:19.68	+17:25:22.80	J160319+172522	2.45	21.29	0.66
1478	1.69	21.90	4.556	16:03:19.92	+17:37:23.88	J160319+173723	2.09	19.49	0.33
1479	5.51	24.72	2.248	16:03:19.92	+17:59:13.20	J160319+175913	4.51	20.13	0.30
1480	1.93	22.41	2.817	16:03:20.16	+18:05:44.16	J160320+180544	2.21	19.70	0.36
1481	3.44	24.35	*	16:03:20.16	+17:24:34.92	J160320+172434	2.82	20.55	0.50
1482	1.29	20.98	1.514	16:03:20.16	+17:27:12.96	J160320+172712	2.08	19.10	0.29
1483	8.27	24.82	1.968	16:03:20.16	+17:24:38.16	J160320+172438	5.43	19.24	0.30
1484	2.88	22.45	3.356	16:03:20.16	+18:03:07.56	J160320+180307	3.08	18.89	0.26
1485	5.00	24.01	2.062	16:03:20.40	+18:04:26.76	J160320+180426	5.24	19.23	0.30
1486	3.98	25.06	2.840	16:03:20.64	+17:37:13.80	J160320+173713	1.91	21.28	0.65
1487	4.40	24.49	1.956	16:03:20.88	+17:36:48.60	J160320+173648	4.84	20.20	0.30
1488	5.35	25.06	3.049	16:03:20.88	+17:26:03.48	J160320+172603	1.73	20.60	0.51
1489	8.48	24.03	3.034	16:03:20.88	+17:43:25.32	J160320+174325	6.50	18.28	0.20
1490	6.48	25.01	2.080	16:03:21.12	+17:56:08.52	J160321+175608	3.03	20.23	0.45
1491	1.69	22.11	5.425	16:03:21.12	+18:03:34.92	J160321+180334	2.17	19.66	0.36
1492	6.95	24.64	1.511	16:03:21.12	+17:50:42.36	J160321+175042	7.68	19.20	0.21
1493	3.20	22.36	5.243	16:03:21.60	+17:37:27.12	J160321+173727	2.96	18.60	0.23
1494	14.31	24.02	1.912	16:03:22.32	+17:35:07.08	J160322+173507	13.93	17.02	0.12
1495	6.97	25.77	1.911	16:03:22.32	+17:34:05.16	J160322+173405	1.43	21.42	0.68
1496	4.41	24.95	2.574	16:03:22.80	+17:24:51.48	J160322+172451	2.48	20.79	0.55
1497	1.57	21.11	3.145	16:03:23.28	+18:05:40.20	J160323+180540	2.22	18.84	0.26

1498	5.17	25.13	1.835	16:03:23.28	+18:07:39.72	J160323+180739	1.98	21.37	0.67
1499	5.06	24.59	3.477	16:03:23.52	+17:38:10.68	J160323+173810	2.78	20.18	0.44
1500	4.95	24.69	1.699	16:03:23.52	+17:52:53.40	J160323+175253	5.41	20.10	0.29
1501	4.53	24.47	1.810	16:03:23.76	+17:55:59.52	J160323+175559	3.37	20.62	0.35
1502	6.45	24.95	1.983	16:03:24.00	+17:53:45.24	J160324+175345	3.49	20.25	0.45
1503	4.61	24.07	4.845	16:03:24.00	+17:50:07.80	J160324+175007	2.20	20.08	0.29
1504	1.59	22.63	2.856	16:03:24.00	+18:15:25.20	J160324+181525	1.77	20.34	0.47
1505	4.66	24.50	3.503	16:03:24.00	+18:10:08.40	J160324+181008	2.38	20.51	0.34
1506	2.76	23.49	3.692	16:03:24.48	+18:20:02.40	J160324+182002	2.44	20.07	0.42
1507	3.19	24.68	2.289	16:03:24.72	+17:30:21.96	J160324+173021	2.54	21.10	0.61
1508	4.89	24.45	5.004	16:03:24.72	+17:26:36.96	J160324+172636	2.42	19.89	0.39
1509	8.09	25.76	2.027	16:03:24.72	+17:30:21.24	J160324+173021	2.62	20.99	0.59
1510	4.79	25.04	2.540	16:03:24.96	+17:28:57.00	J160324+172857	2.80	20.71	0.53
1511	2.18	24.08	3.963	16:03:25.20	+18:13:09.48	J160325+181309	1.55	21.35	0.67
1512	4.72	24.05	3.457	16:03:25.20	+17:57:04.32	J160325+175704	2.74	19.74	0.37
1513	2.74	23.45	1.946	16:03:25.92	+17:44:25.44	J160325+174425	2.80	20.44	0.33
1514	4.95	24.85	3.777	16:03:26.40	+18:12:15.48	J160326+181215	1.88	20.56	0.51
1515	3.28	21.52	3.255	16:03:26.64	+18:04:52.68	J160326+180452	4.01	18.06	0.14
1516	4.69	23.41	3.796	16:03:26.88	+17:59:15.72	J160326+175915	4.39	18.83	0.26
1517	1.36	20.81	2.753	16:03:26.88	+17:29:21.48	J160326+172921	2.12	18.83	0.26
1518	3.55	22.53	5.347	16:03:27.36	+18:11:58.56	J160327+181158	2.84	18.57	0.23
1519	2.36	24.08	2.169	16:03:27.36	+18:06:16.20	J160327+180616	2.07	21.07	0.61
1520	5.11	24.29	1.966	16:03:27.36	+17:37:32.16	J160327+173732	5.64	19.63	0.25
1521	5.55	23.61	4.155	16:03:27.36	+18:17:36.96	J160327+181736	4.09	18.72	0.25
1522	5.61	25.02	2.780	16:03:27.60	+18:01:57.00	J160327+180157	2.74	20.37	0.47

1523	6.91	21.95	1.778	16:03:28.08	+17:25:59.52	J160328+172559	9.53	16.44	0.09
1524	6.03	24.92	1.539	16:03:28.56	+17:32:59.64	J160328+173259	3.93	20.67	0.36
1525	4.86	24.82	1.488	16:03:28.80	+18:14:09.60	J160328+181409	5.30	20.28	0.31
1526	5.63	24.83	1.832	16:03:28.80	+18:12:48.24	J160328+181248	5.06	20.17	0.30
1527	5.31	25.15	2.134	16:03:29.04	+17:37:59.88	J160329+173759	1.75	20.92	0.57
1528	1.58	21.96	4.950	16:03:29.04	+17:36:06.48	J160329+173606	2.03	19.67	0.36
1529	1.28	20.98	2.581	16:03:29.52	+18:05:27.96	J160329+180527	2.10	19.11	0.29
1530	4.46	24.17	4.430	16:03:29.76	+17:43:51.24	J160329+174351	2.21	20.18	0.30
1531	5.88	25.53	2.402	16:03:29.76	+18:07:41.88	J160329+180741	2.86	20.84	0.56
1532	4.21	25.01	1.831	16:03:30.00	+17:50:09.96	J160330+175009	2.13	21.27	0.65
1533	8.70	24.99	1.880	16:03:30.00	+18:03:55.44	J160330+180355	4.91	19.57	0.35
1534	6.01	24.86	1.838	16:03:30.00	+17:56:49.20	J160330+175649	2.65	20.42	0.48
1535	4.35	25.02	1.672	16:03:30.48	+17:58:22.44	J160330+175822	3.39	21.15	0.42
1536	5.09	24.53	2.198	16:03:30.48	+17:27:30.96	J160330+172730	2.18	20.74	0.37
1537	4.48	25.03	2.390	16:03:30.48	+18:02:15.36	J160330+180215	2.61	20.82	0.55
1538	4.61	24.94	2.039	16:03:30.48	+18:11:25.44	J160330+181125	2.48	21.02	0.60
1539	2.54	22.41	2.760	16:03:30.72	+17:51:28.08	J160330+175128	3.52	19.47	0.23
1540	6.78	23.97	3.738	16:03:30.96	+18:02:31.56	J160330+180231	4.97	18.67	0.24
1541	6.77	23.82	3.087	16:03:30.96	+17:22:25.32	J160330+172225	6.61	18.58	0.17
1542	4.33	25.05	3.407	16:03:31.68	+18:05:44.52	J160331+180544	2.31	20.92	0.57
1543	6.11	25.10	4.317	16:03:31.92	+18:13:12.36	J160331+181312	1.98	20.35	0.47
1544	1.58	21.99	3.575	16:03:31.92	+18:10:18.84	J160331+181018	2.20	19.66	0.36
1545	6.39	23.37	5.421	16:03:32.40	+17:55:06.96	J160332+175506	4.01	18.23	0.20
1546	4.55	23.55	4.712	16:03:32.40	+17:30:52.20	J160332+173052	3.62	19.08	0.28
1547	5.73	23.40	2.875	16:03:32.40	+17:29:38.76	J160332+172938	6.26	18.53	0.17

1548	5.33	24.34	4.183	16:03:32.40	+18:04:48.36	J160332+180448	4.00	19.76	0.26
1549	6.05	24.21	3.553	16:03:32.64	+17:55:43.32	J160332+175543	3.17	19.32	0.31
1550	9.60	22.32	3.160	16:03:32.64	+17:28:45.84	J160332+172845	11.73	16.10	0.08
1551	6.42	23.98	4.130	16:03:32.64	+17:53:44.52	J160332+175344	2.89	18.99	0.27
1552	10.22	23.48	1.790	16:03:32.64	+17:24:57.60	J160332+172457	11.73	17.13	0.10
1553	4.35	23.47	5.049	16:03:33.12	+17:59:42.00	J160333+175942	2.70	19.44	0.23
1554	1.95	22.57	2.462	16:03:33.12	+18:02:10.32	J160333+180210	2.11	19.86	0.39
1555	1.20	21.35	1.696	16:03:33.60	+17:26:37.68	J160333+172637	1.93	19.62	0.35
1556	4.01	23.94	3.763	16:03:33.60	+17:55:48.72	J160333+175548	1.63	20.00	0.41
1557	2.13	22.84	2.069	16:03:33.60	+17:52:40.44	J160333+175240	2.71	20.37	0.32
1558	9.10	23.82	2.292	16:03:33.60	+18:07:31.44	J160333+180731	8.11	17.84	0.17
1559	9.32	24.08	2.198	16:03:33.60	+18:07:31.08	J160333+180731	7.70	18.07	0.19
1560	3.54	24.54	2.214	16:03:33.84	+17:53:15.72	J160333+175315	2.63	20.73	0.54
1561	2.09	21.88	2.018	16:03:33.84	+17:34:27.84	J160333+173427	2.99	19.44	0.23
1562	6.00	25.07	2.288	16:03:33.84	+18:01:19.56	J160333+180119	1.97	20.68	0.53
1563	3.91	23.94	3.223	16:03:33.84	+18:03:35.64	J160333+180335	1.97	19.98	0.41
1564	7.14	24.96	2.970	16:03:34.32	+17:40:31.08	J160334+174031	2.27	19.84	0.39
1565	6.51	24.07	2.386	16:03:34.32	+17:28:17.76	J160334+172817	5.06	18.90	0.26
1566	4.25	24.94	2.941	16:03:34.32	+17:29:36.60	J160334+172936	1.91	21.08	0.61
1567	7.04	25.68	2.703	16:03:34.32	+17:29:36.60	J160334+172936	1.97	21.03	0.60
1568	4.21	23.16	2.920	16:03:34.56	+17:50:32.64	J160334+175032	4.76	19.06	0.20
1569	1.66	22.19	2.573	16:03:34.56	+17:54:43.92	J160334+175443	2.04	19.80	0.38
1570	4.10	22.15	2.661	16:03:34.56	+18:07:10.20	J160334+180710	5.47	17.73	0.16
1571	6.25	25.19	1.508	16:03:34.80	+18:15:05.76	J160334+181505	5.48	20.35	0.32
1572	8.47	25.29	1.857	16:03:34.80	+17:36:19.44	J160334+173619	4.63	19.95	0.40

1573	6.16	24.98	2.250	16:03:34.80	+18:02:08.52	J160334+180208	2.50	20.51	0.50
1574	2.60	24.14	3.770	16:03:35.04	+17:40:16.68	J160335+174016	2.24	20.91	0.57
1575	6.61	25.47	2.282	16:03:35.04	+17:58:10.56	J160335+175810	1.80	20.97	0.58
1576	6.27	24.56	2.229	16:03:35.52	+17:58:38.28	J160335+175838	5.88	19.52	0.24
1577	3.83	24.97	2.049	16:03:35.76	+17:29:12.12	J160335+172912	3.02	21.31	0.44
1578	1.29	20.98	1.625	16:03:36.24	+18:19:43.68	J160336+181943	2.10	19.10	0.29
1579	6.10	24.21	4.909	16:03:36.24	+18:08:25.08	J160336+180825	2.99	19.27	0.31
1580	3.12	24.67	1.993	16:03:36.48	+17:38:30.48	J160336+173830	1.57	21.80	0.78
1581	4.02	23.06	3.309	16:03:36.48	+17:34:45.48	J160336+173445	4.24	19.10	0.20
1582	4.43	24.41	4.576	16:03:36.48	+18:13:23.52	J160336+181323	2.48	20.07	0.42
1583	6.17	24.45	2.821	16:03:36.48	+17:54:08.64	J160336+175408	3.51	19.62	0.35
1584	4.13	24.45	2.666	16:03:36.72	+18:07:36.48	J160336+180736	1.58	20.85	0.56
1585	5.02	24.54	4.252	16:03:36.72	+17:43:10.20	J160336+174310	1.95	20.16	0.43
1586	5.26	24.30	4.682	16:03:36.72	+18:03:14.04	J160336+180314	2.12	19.56	0.34
1587	6.70	25.30	2.976	16:03:36.72	+17:44:40.92	J160336+174440	2.09	20.46	0.49
1588	3.63	24.81	1.929	16:03:36.96	+17:44:31.20	J160336+174431	2.53	21.28	0.65
1589	1.94	22.42	5.602	16:03:37.20	+17:43:50.16	J160337+174350	2.38	19.68	0.36
1590	3.61	23.97	3.819	16:03:37.20	+17:24:03.24	J160337+172403	2.53	20.00	0.41
1591	5.37	25.04	2.398	16:03:37.68	+17:58:49.08	J160337+175849	1.58	20.70	0.53
1592	3.66	24.62	2.039	16:03:37.92	+18:04:48.72	J160337+180448	2.46	21.21	0.43
1593	2.99	23.91	2.294	16:03:37.92	+17:34:12.36	J160337+173412	1.81	20.36	0.47
1594	4.22	24.70	1.507	16:03:37.92	+17:48:38.16	J160337+174838	4.36	20.59	0.35
1595	2.26	22.75	3.285	16:03:38.16	+17:55:52.68	J160338+175552	2.32	19.73	0.37
1596	4.46	24.20	4.144	16:03:38.16	+17:24:19.44	J160338+172419	2.32	20.27	0.31
1597	6.62	25.18	1.651	16:03:38.64	+17:48:54.72	J160338+174854	6.15	20.02	0.28

1598	6.52	24.95	2.489	16:03:38.64	+18:04:24.24	J160338+180424	3.44	20.02	0.41
1599	5.57	24.58	2.586	16:03:38.64	+18:11:51.72	J160338+181151	1.92	19.88	0.39
1600	3.93	24.35	4.570	16:03:39.36	+17:57:07.56	J160339+175707	2.02	20.36	0.47
1601	1.57	21.56	3.808	16:03:39.36	+17:54:44.64	J160339+175444	2.36	19.25	0.30
1602	4.12	23.42	4.948	16:03:39.60	+17:28:15.24	J160339+172815	2.61	19.54	0.24
1603	4.64	24.51	3.505	16:03:39.84	+18:02:29.76	J160339+180229	1.93	20.41	0.48
1604	2.24	22.71	2.712	16:03:40.08	+17:54:20.16	J160340+175420	2.52	19.68	0.36
1605	2.50	23.06	1.929	16:03:40.32	+17:46:13.80	J160340+174613	3.23	20.15	0.30
1606	1.55	22.06	4.363	16:03:40.32	+17:52:59.52	J160340+175259	2.05	19.79	0.38
1607	6.09	24.80	3.035	16:03:40.56	+18:12:46.44	J160340+181246	2.02	20.21	0.44
1608	3.61	23.61	3.092	16:03:40.80	+17:46:54.48	J160340+174654	1.99	19.73	0.37
1609	5.41	25.68	2.310	16:03:40.80	+17:53:18.96	J160340+175318	1.79	21.16	0.63
1610	3.93	23.68	3.348	16:03:40.80	+17:49:34.68	J160340+174934	3.56	19.50	0.34
1611	4.65	24.80	1.874	16:03:40.80	+18:10:31.08	J160340+181031	3.66	20.72	0.36
1612	4.26	24.53	1.506	16:03:41.04	+17:42:20.16	J160341+174220	4.79	20.30	0.31
1613	4.26	24.79	2.045	16:03:41.04	+17:37:09.84	J160341+173709	3.49	20.89	0.38
1614	2.76	23.18	5.489	16:03:41.04	+17:36:02.16	J160341+173602	1.98	19.77	0.37
1615	2.79	23.38	2.774	16:03:41.04	+17:32:46.32	J160341+173246	2.45	20.35	0.32
1616	4.53	24.94	2.548	16:03:41.28	+18:00:55.08	J160341+180055	2.04	21.08	0.61
1617	4.74	25.16	2.548	16:03:41.52	+18:09:02.88	J160341+180902	2.22	21.04	0.60
1618	5.76	24.12	7.569	16:03:41.52	+17:53:46.68	J160341+175346	2.13	19.27	0.31
1619	6.93	25.25	2.336	16:03:41.52	+17:41:52.44	J160341+174152	3.04	20.36	0.47
1620	5.90	24.75	1.513	16:03:41.76	+17:45:05.76	J160341+174505	6.45	19.72	0.26
1621	4.39	23.98	4.776	16:03:41.76	+17:54:35.64	J160341+175435	2.63	19.56	0.34
1622	5.04	24.73	2.756	16:03:41.76	+17:31:55.56	J160341+173155	2.94	20.63	0.35

1623	5.31	25.22	2.377	16:03:41.76	+17:35:49.20	J160341+173549	2.28	20.98	0.59
1624	4.74	24.68	1.642	16:03:42.00	+17:43:46.56	J160342+174346	4.57	20.33	0.32
1625	4.20	24.80	1.379	16:03:42.24	+18:08:12.84	J160342+180812	4.45	20.67	0.36
1626	3.55	23.60	2.494	16:03:42.48	+18:10:57.00	J160342+181057	2.85	19.67	0.36
1627	2.72	24.17	2.683	16:03:42.48	+18:06:38.88	J160342+180638	2.12	20.89	0.57
1628	4.37	23.81	3.790	16:03:42.96	+17:57:20.16	J160342+175720	2.12	19.53	0.34
1629	7.14	24.79	2.534	16:03:42.96	+17:52:55.20	J160342+175255	3.57	19.77	0.37
1630	5.64	24.86	3.882	16:03:43.20	+17:56:12.12	J160343+175612	2.60	20.13	0.43
1631	4.32	24.97	2.322	16:03:43.44	+18:13:37.92	J160343+181337	2.49	20.96	0.58
1632	4.93	25.11	3.891	16:03:43.44	+17:33:51.12	J160343+173351	1.66	20.89	0.57
1633	3.95	23.92	3.476	16:03:44.16	+17:36:26.28	J160344+173626	2.70	19.90	0.39
1634	5.96	24.93	2.722	16:03:44.16	+17:43:45.12	J160344+174345	2.33	20.33	0.46
1635	4.52	24.29	3.569	16:03:44.40	+18:06:12.96	J160344+180612	2.66	19.99	0.41
1636	4.85	24.64	2.752	16:03:44.64	+17:36:09.36	J160344+173609	3.10	20.15	0.43
1637	5.48	25.66	2.158	16:03:44.64	+17:32:13.20	J160344+173213	2.18	21.32	0.66
1638	5.62	23.35	2.790	16:03:44.64	+17:28:24.96	J160344+172824	6.44	18.50	0.16
1639	3.45	24.36	2.461	16:03:44.64	+17:33:42.84	J160344+173342	2.54	20.60	0.51
1640	6.91	25.14	2.322	16:03:44.64	+17:45:59.40	J160344+174559	1.78	20.58	0.51
1641	3.64	23.32	3.907	16:03:44.88	+17:56:49.92	J160344+175649	2.69	19.32	0.31
1642	5.33	25.41	1.944	16:03:44.88	+18:12:50.04	J160344+181250	2.77	21.46	0.47
1643	5.47	25.05	4.331	16:03:44.88	+18:14:06.72	J160344+181406	1.95	20.37	0.47
1644	2.68	23.99	1.505	16:03:44.88	+17:35:56.76	J160344+173556	3.16	20.92	0.39
1645	5.09	24.60	2.289	16:03:45.36	+17:54:39.24	J160345+175439	3.97	20.19	0.30
1646	7.82	23.20	3.782	16:03:45.36	+17:55:12.00	J160345+175512	7.09	17.52	0.15
1647	8.51	24.48	3.783	16:03:45.60	+17:42:33.84	J160345+174233	4.83	18.67	0.24

1648	5.77	24.63	3.734	16:03:45.60	+17:53:44.16	J160345+175344	2.64	19.94	0.40
1649	4.39	25.08	2.650	16:03:45.84	+18:07:42.96	J160345+180742	1.83	21.08	0.61
1650	6.58	25.37	2.066	16:03:45.84	+17:29:08.52	J160345+172908	4.45	20.51	0.34
1651	3.34	23.98	2.293	16:03:46.08	+17:24:32.40	J160346+172432	3.12	20.16	0.43
1652	3.95	24.56	2.529	16:03:46.32	+18:03:52.56	J160346+180352	1.68	20.73	0.54
1653	6.78	25.02	2.906	16:03:46.32	+17:57:34.92	J160346+175734	3.40	19.91	0.40
1654	5.93	24.88	1.724	16:03:46.56	+17:27:46.44	J160346+172746	5.61	20.01	0.28
1655	3.76	24.85	1.859	16:03:46.56	+18:15:46.44	J160346+181546	2.11	21.57	0.72
1656	1.64	22.43	2.392	16:03:46.56	+17:28:40.80	J160346+172840	1.85	20.08	0.42
1657	6.14	25.56	*	16:03:47.04	+18:05:45.96	J160347+180545	2.44	20.93	0.58
1658	2.89	23.84	4.536	16:03:47.04	+17:54:07.92	J160347+175407	1.86	20.41	0.48
1659	1.52	22.03	2.241	16:03:47.52	+17:42:15.12	J160347+174215	2.00	19.81	0.38
1660	2.97	23.58	3.666	16:03:47.52	+18:07:18.48	J160347+180718	2.90	19.98	0.41
1661	7.55	22.46	5.259	16:03:47.52	+17:45:04.68	J160347+174504	9.78	16.71	0.10
1662	3.96	24.84	2.039	16:03:47.52	+18:02:17.16	J160347+180217	2.09	21.62	0.49
1663	3.41	23.87	3.276	16:03:47.52	+17:54:42.12	J160347+175442	3.17	19.99	0.41
1664	4.78	24.35	1.870	16:03:47.52	+18:05:43.44	J160347+180543	5.16	19.62	0.35
1665	6.32	25.51	2.022	16:03:48.00	+17:40:59.16	J160348+174059	2.81	21.01	0.59
1666	6.26	24.00	2.654	16:03:48.00	+17:44:45.96	J160348+174445	4.58	19.28	0.22
1667	2.43	23.77	3.278	16:03:48.24	+17:57:25.20	J160348+175725	2.55	20.56	0.50
1668	6.27	25.26	1.517	16:03:48.24	+17:48:48.24	J160348+174848	1.83	20.95	0.58
1669	5.67	25.16	2.240	16:03:48.48	+17:55:36.84	J160348+175536	2.61	20.72	0.54
1670	3.66	24.64	1.537	16:03:48.48	+17:31:47.64	J160348+173147	3.93	20.84	0.38
1671	5.73	25.03	2.275	16:03:48.72	+17:37:06.96	J160348+173706	2.62	20.56	0.50
1672	4.05	24.40	2.776	16:03:49.20	+17:44:44.16	J160349+174444	2.56	20.26	0.45

1673	3.30	23.48	3.414	16:03:49.44	+18:15:40.32	J160349+181540	1.95	19.70	0.36
1674	4.22	24.90	2.002	16:03:49.68	+17:30:25.56	J160349+173025	2.56	21.03	0.60
1675	4.23	24.92	1.816	16:03:49.68	+17:30:24.84	J160349+173024	2.96	20.83	0.56
1676	2.28	23.09	7.899	16:03:49.68	+17:30:51.48	J160349+173051	2.29	20.06	0.42
1677	6.49	24.69	2.729	16:03:49.68	+17:54:37.08	J160349+175437	3.91	19.60	0.35
1678	2.80	24.55	2.392	16:03:49.68	+17:30:25.20	J160349+173025	2.22	21.27	0.65
1679	9.13	24.23	1.650	16:03:50.16	+17:33:38.88	J160350+173338	10.25	18.14	0.14
1680	5.49	25.53	2.236	16:03:50.16	+17:33:02.16	J160350+173302	1.32	21.37	0.67
1681	6.04	24.52	3.657	16:03:50.40	+18:06:04.32	J160350+180604	3.42	19.65	0.36
1682	1.63	22.06	2.477	16:03:50.64	+18:14:57.12	J160350+181457	2.22	19.68	0.36
1683	1.96	22.69	6.325	16:03:50.64	+17:42:57.96	J160350+174257	1.90	19.98	0.41
1684	7.74	26.50	2.268	16:03:50.64	+18:14:12.12	J160350+181412	1.98	21.72	0.76
1685	5.19	22.85	2.811	16:03:51.12	+18:17:43.44	J160351+181743	5.49	18.01	0.18
1686	3.62	23.00	5.391	16:03:51.36	+17:54:13.32	J160351+175413	3.05	18.98	0.27
1687	3.78	24.49	2.785	16:03:51.36	+17:40:46.20	J160351+174046	2.59	20.69	0.53
1688	1.20	20.72	2.252	16:03:52.08	+17:31:11.28	J160352+173111	2.05	18.99	0.27
1689	3.73	24.25	1.783	16:03:52.32	+18:07:39.72	J160352+180739	4.22	20.39	0.32
1690	5.44	24.67	2.847	16:03:52.32	+18:08:38.04	J160352+180838	3.11	20.33	0.32
1691	5.50	24.75	1.838	16:03:52.56	+17:40:35.76	J160352+174035	5.39	20.01	0.28
1692	5.06	24.82	1.997	16:03:52.80	+17:37:28.56	J160352+173728	3.45	20.61	0.35
1693	1.87	21.76	2.663	16:03:53.04	+17:33:35.64	J160353+173335	2.45	19.11	0.29
1694	3.15	23.82	4.627	16:03:53.04	+17:33:25.56	J160353+173325	1.91	20.17	0.44
1695	4.87	24.27	2.025	16:03:53.04	+18:06:25.20	J160353+180625	5.49	19.72	0.26
1696	3.15	23.81	4.408	16:03:53.04	+18:10:03.72	J160353+181003	2.08	20.21	0.44
1697	5.06	25.49	2.194	16:03:53.28	+17:34:07.68	J160353+173407	1.73	21.79	0.78

1698	3.91	24.18	4.016	16:03:53.52	+18:13:42.96	J160353+181342	1.86	20.16	0.43
1699	3.36	23.16	3.274	16:03:53.52	+17:53:15.00	J160353+175315	3.01	19.67	0.25
1700	7.74	24.92	1.873	16:03:54.48	+17:53:48.12	J160354+175348	4.97	19.64	0.36
1701	1.54	22.71	2.456	16:03:54.48	+17:45:22.32	J160354+174522	1.83	20.48	0.49
1702	10.06	24.31	1.870	16:03:54.72	+18:16:08.04	J160354+181608	8.64	18.16	0.19
1703	5.75	24.32	1.871	16:03:54.72	+18:06:20.88	J160354+180620	6.41	19.38	0.23
1704	4.33	24.93	1.860	16:03:54.72	+18:03:08.28	J160354+180308	3.32	20.96	0.39
1705	8.33	25.74	2.013	16:03:54.72	+17:41:40.92	J160354+174140	3.19	20.83	0.56
1706	4.12	25.01	1.585	16:03:54.96	+18:09:23.04	J160354+180923	2.52	21.40	0.68
1707	4.85	24.80	5.242	16:03:54.96	+17:57:37.44	J160354+175737	1.83	20.36	0.47
1708	6.97	24.52	3.004	16:03:55.20	+17:43:41.88	J160355+174341	3.53	19.38	0.32
1709	5.00	24.98	2.915	16:03:55.20	+17:48:49.68	J160355+174849	2.63	20.55	0.50
1710	1.69	21.95	2.157	16:03:55.68	+17:41:24.00	J160355+174124	1.99	19.54	0.34
1711	10.19	24.27	3.157	16:03:55.92	+18:17:40.20	J160355+181740	6.07	18.24	0.20
1712	5.37	25.23	2.107	16:03:55.92	+17:50:21.48	J160355+175021	1.99	21.34	0.67
1713	5.76	25.72	1.703	16:03:55.92	+17:43:55.20	J160355+174355	1.78	21.73	0.76
1714	3.55	24.65	1.904	16:03:56.16	+17:48:24.48	J160356+174824	2.01	21.29	0.65
1715	2.54	23.37	3.877	16:03:56.40	+17:43:33.60	J160356+174333	2.52	20.09	0.42
1716	1.97	22.94	4.990	16:03:56.40	+17:39:44.64	J160356+173944	1.90	20.23	0.45
1717	7.24	25.31	2.345	16:03:56.40	+17:41:07.80	J160356+174107	2.58	20.50	0.49
1718	4.02	24.33	4.033	16:03:56.64	+17:30:03.96	J160356+173003	1.96	20.16	0.43
1719	6.84	25.00	2.638	16:03:56.64	+17:44:51.36	J160356+174451	2.97	20.07	0.42
1720	4.64	24.19	2.097	16:03:56.64	+18:09:10.80	J160356+180910	4.50	19.88	0.27
1721	2.36	22.81	3.712	16:03:56.64	+17:59:38.04	J160356+175938	2.26	19.71	0.37
1722	2.74	23.37	2.974	16:03:57.12	+17:59:07.80	J160357+175907	1.93	20.02	0.41

1723	4.39	24.82	2.343	16:03:57.36	+17:52:12.00	J160357+175212	2.44	20.83	0.56
1724	5.90	25.43	2.974	16:03:57.60	+17:40:54.12	J160357+174054	2.30	20.83	0.56
1725	6.41	24.83	3.200	16:03:57.84	+17:38:55.68	J160357+173855	3.18	19.88	0.39
1726	2.08	22.64	2.752	16:03:58.08	+18:01:09.12	J160358+180109	1.90	19.81	0.38
1727	2.91	23.64	1.623	16:03:58.32	+17:53:46.32	J160358+175346	3.48	20.38	0.32
1728	5.19	25.54	2.340	16:03:58.56	+17:38:34.44	J160358+173834	2.26	21.34	0.67
1729	8.72	24.03	1.674	16:03:58.80	+17:36:36.36	J160358+173636	8.88	18.14	0.14
1730	4.48	23.39	4.689	16:03:58.80	+17:43:00.12	J160358+174300	2.50	18.95	0.27
1731	5.03	24.35	3.867	16:03:59.04	+17:53:31.56	J160359+175331	2.05	20.35	0.32
1732	3.76	23.42	4.872	16:03:59.28	+17:48:58.32	J160359+174858	2.86	19.36	0.32
1733	5.86	24.26	4.062	16:03:59.28	+17:32:09.24	J160359+173209	2.91	19.46	0.33
1734	6.57	23.85	2.586	16:03:59.52	+17:49:35.04	J160359+174935	4.76	18.65	0.24
1735	6.79	24.94	4.357	16:03:59.52	+17:43:00.12	J160359+174300	2.08	19.94	0.40
1736	6.47	25.31	1.399	16:03:59.52	+17:53:36.96	J160359+175336	3.12	20.65	0.52
1737	3.62	23.42	3.788	16:03:59.76	+17:29:52.08	J160359+172952	3.12	19.43	0.33
1738	4.59	24.64	1.659	16:03:59.76	+17:40:16.32	J160359+174016	4.51	20.35	0.32
1739	7.54	24.45	1.263	16:04:00.24	+17:31:15.24	J160400+173115	2.55	19.73	0.37
1740	6.16	25.81	1.986	16:04:00.24	+18:13:40.08	J160400+181340	2.74	21.22	0.64
1741	9.56	22.94	1.169	16:04:00.24	+17:31:06.96	J160400+173106	10.69	16.71	0.08
1742	9.02	24.21	2.407	16:04:00.24	+17:33:17.28	J160400+173317	6.57	18.37	0.21
1743	5.26	24.74	2.505	16:04:00.72	+18:04:35.04	J160400+180435	4.16	20.28	0.31
1744	6.25	24.58	2.793	16:04:00.72	+17:50:28.68	J160400+175028	3.29	19.74	0.37
1745	3.11	24.33	4.755	16:04:00.96	+18:09:27.00	J160400+180927	1.82	20.73	0.54
1746	4.53	23.02	2.652	16:04:01.20	+18:09:37.08	J160401+180937	2.77	18.58	0.23
1747	4.05	23.32	1.841	16:04:01.20	+17:28:38.28	J160401+172838	4.83	19.22	0.21

1748	3.22	24.13	2.098	16:04:01.20	+17:41:09.96	J160401+174109	2.55	20.96	0.39
1749	6.18	25.51	2.135	16:04:01.44	+17:46:31.80	J160401+174631	1.70	21.08	0.61
1750	6.23	23.79	3.992	16:04:01.44	+17:37:12.72	J160401+173712	4.74	18.66	0.24
1751	5.82	24.73	3.314	16:04:01.44	+17:36:19.80	J160401+173619	2.92	19.94	0.40
1752	6.25	23.33	4.331	16:04:01.68	+18:07:44.40	J160401+180744	5.33	18.16	0.19
1753	5.24	24.85	2.040	16:04:01.68	+18:04:58.44	J160401+180458	4.70	20.28	0.31
1754	2.38	22.85	2.288	16:04:01.68	+17:54:30.24	J160401+175430	3.07	20.07	0.29
1755	5.15	24.87	1.555	16:04:01.68	+17:44:44.52	J160401+174444	4.49	20.49	0.33
1756	5.40	25.17	1.859	16:04:01.68	+18:05:35.16	J160401+180535	4.14	20.65	0.35
1757	6.54	24.73	1.660	16:04:01.92	+18:06:23.04	J160401+180623	5.96	19.66	0.25
1758	6.43	25.38	2.000	16:04:01.92	+17:46:12.00	J160401+174612	3.01	20.98	0.40
1759	5.00	24.85	1.862	16:04:01.92	+17:30:07.92	J160401+173007	3.94	20.58	0.35
1760	4.79	24.85	1.646	16:04:01.92	+18:00:14.76	J160401+180014	4.44	20.47	0.33
1761	5.35	25.08	1.758	16:04:01.92	+18:04:32.88	J160401+180432	4.61	20.52	0.34
1762	6.51	25.05	2.935	16:04:02.16	+17:40:51.60	J160402+174051	2.61	20.21	0.44
1763	6.68	24.96	1.636	16:04:02.16	+17:47:11.40	J160402+174711	5.88	19.88	0.27
1764	3.23	24.29	2.473	16:04:02.16	+17:42:05.76	J160402+174205	2.79	20.61	0.51
1765	4.38	24.61	1.498	16:04:02.16	+18:04:21.72	J160402+180421	4.86	20.32	0.32
1766	1.20	20.55	1.334	16:04:02.40	+18:13:37.56	J160402+181337	2.01	18.83	0.26
1767	5.27	24.46	1.559	16:04:02.40	+17:37:30.00	J160402+173730	5.88	19.70	0.25
1768	7.90	24.63	1.374	16:04:02.40	+17:48:50.40	J160402+174850	8.48	18.91	0.19
1769	6.76	24.47	2.933	16:04:02.64	+17:52:12.00	J160402+175212	3.99	19.34	0.32
1770	4.67	24.61	1.560	16:04:02.88	+17:38:41.64	J160402+173841	5.14	20.17	0.30
1771	4.99	24.85	3.744	16:04:02.88	+17:41:23.64	J160402+174123	1.76	20.51	0.50
1772	3.25	23.70	1.737	16:04:03.12	+18:05:04.20	J160403+180504	3.65	20.22	0.31

1773	6.00	24.17	2.956	16:04:03.12	+17:59:31.92	J160403+175931	4.35	19.18	0.30
1774	1.66	21.86	1.875	16:04:03.12	+17:36:56.52	J160403+173656	1.96	19.50	0.34
1775	4.24	24.48	2.108	16:04:03.36	+17:50:50.28	J160403+175050	2.65	20.60	0.51
1776	4.05	24.00	4.043	16:04:03.60	+17:46:53.04	J160403+174653	2.43	19.85	0.39
1777	2.84	23.34	1.929	16:04:03.60	+17:53:57.84	J160403+175357	3.55	20.14	0.30
1778	4.24	24.23	8.372	16:04:03.84	+18:14:55.68	J160403+181455	1.90	20.02	0.41
1779	2.74	23.25	5.958	16:04:03.84	+17:49:48.72	J160403+174948	2.05	19.89	0.39
1780	5.05	24.85	1.929	16:04:04.08	+18:08:03.12	J160404+180803	3.65	20.68	0.36
1781	3.79	23.19	1.850	16:04:04.08	+17:53:34.80	J160404+175334	4.51	19.30	0.22
1782	5.10	25.20	1.491	16:04:04.08	+17:54:45.72	J160404+175445	4.70	20.79	0.37
1783	5.47	24.75	3.698	16:04:04.08	+17:55:07.68	J160404+175507	2.00	20.22	0.44
1784	5.46	24.71	1.502	16:04:04.08	+17:46:27.12	J160404+174627	5.24	20.03	0.29
1785	2.46	23.64	5.076	16:04:04.32	+17:43:48.72	J160404+174348	2.13	20.50	0.49
1786	4.91	24.87	1.790	16:04:04.56	+17:39:40.68	J160404+173940	3.23	20.55	0.50
1787	9.07	24.80	1.732	16:04:04.80	+17:49:26.04	J160404+174926	5.45	19.38	0.32
1788	1.50	22.43	4.295	16:04:04.80	+17:38:05.28	J160404+173805	1.75	20.27	0.45
1789	1.69	21.68	4.087	16:04:05.76	+18:15:27.72	J160405+181527	2.13	19.27	0.31
1790	6.16	24.30	1.643	16:04:05.76	+17:41:30.48	J160405+174130	5.88	19.14	0.29
1791	1.59	20.97	1.475	16:04:05.76	+17:46:09.48	J160405+174609	2.55	18.63	0.24
1792	5.81	25.36	2.308	16:04:06.00	+17:40:27.12	J160406+174027	2.61	20.87	0.56
1793	3.88	24.70	2.418	16:04:06.00	+17:53:39.48	J160406+175339	2.60	20.81	0.55
1794	2.78	24.35	2.724	16:04:06.72	+17:39:31.32	J160406+173931	1.92	21.11	0.61
1795	4.45	24.23	3.206	16:04:06.72	+17:56:05.64	J160406+175605	2.78	19.93	0.40
1796	3.88	24.32	3.233	16:04:06.96	+17:35:32.64	J160406+173532	2.22	20.35	0.47
1797	1.37	21.75	4.576	16:04:06.96	+17:33:06.48	J160406+173306	2.04	19.73	0.37

1798	6.66	22.13	5.250	16:04:07.44	+17:34:55.92	J160407+173455	7.72	16.74	0.11
1799	1.93	23.31	1.842	16:04:07.92	+17:54:39.24	J160407+175439	1.67	20.71	0.53
1800	5.04	21.98	2.443	16:04:07.92	+17:49:50.52	J160407+174950	6.57	17.15	0.13
1801	5.70	24.43	4.076	16:04:08.16	+17:30:50.76	J160408+173050	2.99	19.61	0.35
1802	6.31	25.33	4.124	16:04:08.64	+17:38:13.20	J160408+173813	1.84	20.60	0.51
1803	4.73	24.66	6.347	16:04:08.88	+18:12:07.56	J160408+181207	1.93	20.17	0.44
1804	5.25	23.85	2.047	16:04:09.60	+17:58:37.56	J160409+175837	3.87	19.11	0.29
1805	5.51	25.45	1.859	16:04:09.60	+17:37:12.72	J160409+173712	2.35	21.45	0.69
1806	4.74	23.44	1.540	16:04:09.84	+17:45:24.48	J160409+174524	4.36	18.85	0.26
1807	3.44	23.91	2.754	16:04:10.08	+17:55:32.16	J160410+175532	3.48	19.98	0.41
1808	5.49	24.44	*	16:04:10.32	+17:45:12.60	J160410+174512	3.92	19.68	0.36
1809	6.02	21.70	4.524	16:04:10.32	+17:58:50.52	J160410+175850	7.72	16.51	0.10
1810	4.39	24.27	6.348	16:04:10.32	+17:44:17.52	J160410+174417	2.04	20.04	0.42
1811	2.78	23.77	2.938	16:04:10.80	+17:40:23.88	J160410+174023	1.88	20.38	0.47
1812	6.27	25.40	2.100	16:04:10.80	+17:50:23.64	J160410+175023	2.91	20.68	0.53
1813	4.68	24.90	2.246	16:04:11.52	+17:42:48.96	J160411+174248	2.47	20.80	0.55
1814	4.04	24.85	2.009	16:04:11.52	+17:36:53.64	J160411+173653	2.78	21.08	0.61
1815	4.78	24.61	1.282	16:04:11.76	+17:39:54.72	J160411+173954	1.80	20.25	0.45
1816	2.52	24.41	2.638	16:04:12.00	+18:03:46.44	J160412+180346	1.96	21.30	0.66
1817	3.47	23.95	2.995	16:04:12.24	+17:57:54.72	J160412+175754	2.14	20.12	0.43
1818	3.79	24.99	1.921	16:04:12.24	+17:40:44.04	J160412+174044	1.89	21.43	0.69
1819	5.82	25.19	2.125	16:04:12.24	+17:49:29.28	J160412+174929	1.86	20.86	0.56
1820	2.78	23.51	2.840	16:04:12.72	+17:35:55.32	J160412+173555	1.85	20.12	0.43
1821	1.58	22.38	6.235	16:04:13.20	+17:42:13.32	J160413+174213	1.89	20.10	0.43
1822	1.91	22.18	4.199	16:04:13.20	+17:59:08.52	J160413+175908	2.26	19.50	0.34

1823	2.94	23.65	1.865	16:04:13.20	+17:40:41.16	J160413+174041	2.95	20.05	0.42
1824	5.10	22.12	4.411	16:04:13.92	+17:33:46.80	J160413+173346	5.88	17.31	0.14
1825	4.16	24.79	1.716	16:04:14.16	+17:46:41.52	J160414+174641	2.92	20.93	0.58
1826	4.01	23.83	4.081	16:04:14.40	+18:03:05.76	J160414+180305	2.00	19.67	0.36
1827	9.55	23.87	2.482	16:04:14.88	+18:07:44.76	J160414+180744	7.62	17.83	0.17
1828	1.64	21.77	1.760	16:04:14.88	+17:42:42.84	J160414+174242	2.12	19.40	0.32
1829	1.61	21.57	3.185	16:04:15.12	+18:12:32.76	J160415+181232	2.05	19.25	0.30
1830	4.07	24.71	2.106	16:04:15.12	+18:11:10.32	J160415+181110	2.43	20.90	0.57
1831	4.37	25.03	2.340	16:04:15.60	+18:05:07.80	J160415+180507	2.23	21.10	0.61
1832	7.00	24.24	1.779	16:04:15.84	+17:57:27.36	J160415+175727	6.35	18.86	0.26
1833	6.62	24.47	2.627	16:04:16.08	+17:48:43.20	J160416+174843	2.19	19.67	0.36
1834	2.15	23.78	*	16:04:16.32	+17:48:36.72	J160416+174836	1.90	20.88	0.57
1835	5.12	25.17	1.785	16:04:18.00	+17:40:20.64	J160418+174020	2.73	20.88	0.57
1836	5.78	24.25	3.114	16:04:18.00	+17:54:03.96	J160418+175403	3.70	19.42	0.33
1837	4.87	22.48	5.823	16:04:18.24	+18:06:11.16	J160418+180611	4.93	17.80	0.17
1838	5.15	24.96	1.824	16:04:18.48	+17:43:22.44	J160418+174322	3.46	20.50	0.49
1839	8.16	24.54	1.984	16:04:18.72	+18:00:23.76	J160418+180023	5.39	19.03	0.28
1840	1.20	20.54	1.235	16:04:18.72	+17:31:19.92	J160418+173119	2.06	18.80	0.25
1841	6.75	24.73	2.151	16:04:18.72	+17:45:14.76	J160418+174514	4.45	19.60	0.35
1842	3.15	23.85	2.994	16:04:19.20	+18:12:32.76	J160419+181232	2.87	20.17	0.44
1843	5.13	24.90	1.694	16:04:19.44	+18:00:04.68	J160419+180004	3.20	20.58	0.51
1844	5.10	24.42	4.218	16:04:19.68	+18:00:57.96	J160419+180057	2.01	19.82	0.38
1845	5.82	24.19	2.019	16:04:20.16	+17:39:53.64	J160420+173953	5.37	19.17	0.30
1846	6.32	23.85	2.249	16:04:20.40	+17:47:51.36	J160420+174751	5.57	18.67	0.24
1847	5.65	23.99	2.874	16:04:21.12	+17:40:51.60	J160421+174051	4.46	19.11	0.29

1848	4.23	23.10	3.687	16:04:21.84	+17:45:43.20	J160421+174543	3.61	18.78	0.25
1849	14.28	24.05	2.441	16:04:21.84	+18:08:19.32	J160421+180819	11.96	17.14	0.13
1850	8.06	23.73	2.832	16:04:22.32	+18:01:33.24	J160422+180133	7.03	18.05	0.19
1851	5.85	24.15	7.743	16:04:22.80	+17:49:47.28	J160422+174947	2.23	19.41	0.33
1852	9.37	22.11	3.168	16:04:23.04	+17:52:42.60	J160423+175242	11.97	15.91	0.07